ब्रह्मपुत्र क्रेकर और पॉलीमर लिमिटेड

BRAHMAPUTRA CRACKER AND POLYMER LIMITED

(भारत सरकार का उपक्रम) / (A Government of India Enterprise)

प्रशासनिक भवन, पो.ओ. लेपेटकटा / ADMINISTRATIVE BUILDING, PO: LEPETKATA

जिला: डिब्रूगढ़, असम / DISTT.: DIBRUGARH, ASSAM

पिन कोड – 786006 / PIN CODE: 786006

दूरभाष: 0373 2914636 / PHONE NO. 0373 2914636

निविदा संख्या / E-TENDER NO:

BCPL/C&P/CO21S441OR/04578

निविदा दस्तावेज़ / TENDER DOCUMENT FOR CENTRALISED PROCUREMENT OF NON-IBR PIPE FITTINGS FOR ENTIRE BCPL PLANT FOR SHUTDOWN 2022 AND REGULAR O&M

निविदा जमा करने की तिथि व समय **Tender Submission Date & Time**	:	**09.03.2022 at 14:30 Hrs**
निविदा खोलने की तिथि व समय **Tender Opening Date & Time**	:	**10.03.2022 at 15:00 Hrs**
पूर्व बोली बैठक की तिथि व समय **Pre-Bid Meeting Date & Time**	:	**28.02.2022 at 15:00 Hrs**

ईएमडी मूल्य / EMD Amount	:	**Not applicable**
निविदा शुल्क/ **Tender Fee**	:	**Not applicable**

विषय – सूची
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बोली हेतु आमंत्रण (आईएफबी)
INVITATION FOR BIDS (IFB)

SECTION - I

INVITATION FOR BID [IFB]

To, **DATED: 22.02.2022**

PROSPECTIVE BIDDERS

SUB: CENTRALISED PROCUREMENT OF NON-IBR PIPE FITTINGS FOR ENTIRE BCPL PLANT FOR SHUTDOWN 2022 AND REGULAR O&M

E-TENDER NO.: BCPL/C&P/CO21S441OR/04578

Dear Sir/Madam,

1.0 Brahmaputra Cracker and Polymer Limited, Lepetkata (A Government of India Enterprise) invites bids from bidders for the subject supply/job, in complete accordance with the following details and enclosed Tender Documents.

2.0 The brief details of the tender are as under:

(A)	SCOPE OF SUPPLY /PROCUREMENT	**CENTRALISED PROCUREMENT OF NON-IBR PIPE FITTINGS FOR ENTIRE BCPL PLANT FOR SHUTDOWN 2022 AND REGULAR O&M**
(B)	TENDER NO. & DATE	**BCPL/C&P/CO21S441OR/04578 DATED: 22.02.2022**
(C)	TYPE OF BIDDING SYSTEM	SINGLE BID SYSTEM: X TWO BID SYSTEM: ✓
(D)	CONTRACTUAL DELIVERY DATE	50% of the quantities to be delivered within 6 weeks from the date of FOA/PO. Balance 50% to be delivered within 3 months from the date of FOA/PO. The date of LR/GR shall be considered as the date of delivery.
(E)	BID SECURITY / EARNEST MONEY DEPOSIT (EMD) *[Itemized or Lump sum as per site requirement]*	APPLICABLE: X NOT APPLICABLE: ✓
(E1)	DECLARATION FOR BID SECURITY	Bidder is required to submit Declaration for Bid Security in bid as per proforma at Form F-2A
(F)	AVAILABILITY OF TENDER DOCUMENT ON WEBSITE(S)	From …… (….Hrs, IST) to ….. (….Hrs, IST) on following websites: (i) http://www.bcplonline.co.in/ (ii) Govt. CPP Portal / BCPL's e-Procurement

		Portal (e-Portal)- https://etenders.gov.in ~~(iii) Government E-Market (Gem) Portal~~ (iv) ~~PMC, if any:~~
(G)	DATE, TIME & VENUE OF PRE-BID MEETING	**28.02.2022 at 3-00PM through video Conference on prior intimation of participation by interested bidders to the undersigned.** Brahmaputra Cracker and Polymer Limited, C&P Department, Administrative Building, PO: Lepetkata, Distt.:DIBRUGARH, Assam, Pin Code:786006, Phone no. 0373 2914636.
(H)	BID DUE DATE AND TIME (ON OR BEFORE)	**09.03.2022 upto 1430 Hrs**
(I)	DATE, & TIME OF UN-PRICED BID OPENING	**10.03.2022 at 1500 Hrs.**
(J)	CONTACT DETAILS OF TENDER DEALING OFFICER	Name : Olivia Rajkumari Designation: SM (C&P) Phone No. & Extn : Mobile No.: 7399018425 E-mail : olivia.rajkumari@bcplindia.co.in
(K)	DEALING BCPL'S OFFICE ADDRESS	Brahmaputra Cracker and Polymer Limited (A Government of India Enterprise), C&P Department, Administrative Building, PO: Lepetkata, Distt.: DIBRUGARH, Assam, Pin Code:786006,

In case of the days specified above happens to be a holiday in BCPL, the next working day shall be implied.

3.0 Bids must be submitted strictly in accordance with Clause No. 11 of ITB (Section-III). The IFB is an integral and inseparable part of the Tender Document.

4.0 Bid must be submitted only on https://etenders.gov.in. Further, the following documents in addition to uploading in the bid on BCPL's e-Portal shall also be submitted in Original (in physical form) within 7 (seven) days from the Bid Due Date provided the scanned copies of the same have been uploaded in e-Portal by the bidder along with e-bid within the Bid Due Date & Time, to the address mentioned in Bidding Data Sheet (BDS) [Annexure-IV to Section-III]:-

i) ~~EMD/Bid Security~~ / Declaration for Bid Security
ii) Power of Attorney
iii) Integrity Pact

5.0 Bidder(s) are advised to submit their bid strictly as per terms and conditions of the Tender Documents and not to stipulate any deviations/exceptions.

6.0 Any bidder, who meets the Bid Evaluation Criteria (BEC) and wishes to quote against this Tender Document, may download the complete Tender Document alongwith its amendment(s)

if any from websites as mentioned at 2.0 (F) of IFB and submit their Bid complete in all respect as per terms & conditions of Tender Document on or before the Bid Due Date & Time.

7.0 Bid(s) received from bidders to whom tender/information regarding this Tender Document has been issued as well as offers received from the bidder(s) by downloading Tender Document from above mentioned website(s) shall be taken into consideration for evaluation & award provided that the Bid is found responsive subject to provisions contained in Clause No. 2 of ITB (Section-III).

The Tender Document calls for offers on single point "Sole Bidder" responsibility basis (except where Consortium bid is allowed pursuant to clause no. 3.0 of ITB) and in total compliance of Scope of Supply /Specification(s) as specified in Tender Document.

8.0 Any revision, clarification, addendum, corrigendum, time extension, etc. to this Tender Document will be hosted on the above mentioned website(s) only. Bidders are requested to visit the website regularly to keep themselves updated.

9.0 All the bidders including those who are not willing to submit their bid, are required to submit F-6 (Acknowledgement cum Consent letter) duly filled within 7 days from the date of receipt of tender information.

10.0 **Registration of supplier on Government e-Marketplace (GeM):**

Government of India has introduced an online procurement portal – 'Government e-Marketplace (GeM)' with the aim to transform the way in which public procurement of goods and services is done by the Government Ministries/Departments, PSUs, autonomous bodies etc. GeM aims to enhance transparency, efficiency and speed in public procurement.

BCPL is already registered on GeM as Buyer and have started procurement through GeM.

(i) Sellers providing Goods and Services are required to register on GeM and obtain a unique GeM Seller ID, and provide the Seller ID in bid or before placement of Purchase order/ Letter of Acceptance.

(ii) Seller ID is to be incorporated in every Purchase Order/ Letter of Acceptance issued by BCPL.

11.0 SAP generated Request for Quotation (RFQ), if any shall also form an integral part of the Tender Document.

12.0 Bidders if so desires, may seek in writing the reason for rejection of their bid, to which BCPL shall respond quickly.

This is not an Order.

For & on behalf of
For Brahmaputra Cracker & Polymer Limited

(Authorized Signatory)
Name : …….
Designation :……..
E-mail ID :……..……
Contact No. : ……..……

भाग – II

SECTION – II

बोली मूल्यांकन मानदंड) बीईसी)

और

मूल्य बोली मूल्यांकन कार्यप्रणाली

BID EVALUATION CRITERIA (BEC)

&

PRICE BID EVALUATION METHODOLOGY

SECTION-II

BID EVALUATION CRITERIA [BEC]

A) BID EVALUATION CRITERIA (BEC):

A.1 ***BEC- Technical: (as a single bidder)***

A.1.1 Bidder must be a manufacturer or supplier of ***Industrial pipe fittings (Super duplex/Stainless steel/cast steel/forged steel/ Alloy steel pipes and pipes fittings)****.*

A.1.2 Bidder (as a manufacturer or other than manufacturer) must have executed at least one single purchase order for supply of ***Industrial pipe fittings (Super duplex/Stainless steel/cast steel/forged steel/ Alloy steel pipes and pipes fittings)*** *of value not less than* ***Rs.46.79 lakhs*** *in a single order****,*** *in preceding SEVEN years to be reckoned from the due date of bid submission.*

A.1.3 For bidder as a manufacturer of 'Elbow', must have minimum domestic value addition as indicated/shown in the table given below for which bidder to submit/upload the affidavit as per Form-1(ref Annexure-D of ITB):

Sl. No.	***Brief Description***	***Only for offered/quoted Elbow***
1.	***Minimum Domestic Value Addition***	***35%***

A.1.4 The bidder who is other than manufacturer of 'Elbow' shall furnish the affidavit [Form-1(ref Annexure-D of ITB)] issued by the domestic manufacturer declaring that the offered/quoted product(s)/item(s) are domestically manufactured in terms of the domestic value addition as shown in the table given above as mentioned at para A.1.3.

Note to above BEC clause no. A.1

(i) ***Definition of 'Supplied'*** *means: Fully executed and completed as per contract / order.*

(ii) Bidder(s) shall be required to submit / upload the documents in respect of above experience criteria as per details at sl. no. ***A.3*** *below.*

A.1.5 ***Relaxed Norms for Startups (prior experience criteria)****:*

Prior experience for 'Startup' company [whether Micro & Small Enterprises (MSEs) or otherwise] as a bidder shall not be required as mentioned at Sl. No. ***A.1.2****, subject to their meeting the quality and technical specifications specified in tender document.*

***For availing the relaxation**, bidder is required to **submit/upload requisite certificate towards Startup enterprise registration** issued by Department for Promotion of Industry and Internal Trade (DPIIT) [formerly known as Department of Industrial Policy and Promotion(DIPP)], Ministry of Commerce & Industry and the aforesaid **certificate should be certified by the Chartered Accountant** (not being an employee or a Director or not having any interest in the bidder's company/firm) **and notary public with legible stamp**.*

*The relaxation of prior experience to Startup [whether Micro & Small Enterprises (MSEs) or otherwise] is to be given to the **specific goods/job domains** wherein they are registered for and **startups are required to submit/upload the documents for the same(as mentioned in the above 'para') including the application submitted to DPIIT(formerly known as DIPP)**. New startup "Certificate of Recognition" is stipulating the domain of startup, the domain of startup would be considered based on "Certificate of Recognition" issued by DPIIT(formerly known as DIPP). Startups having the "Certificate of Recognition" as per old format, are required to submit documents as mentioned herein above.*

*Further, **above document should also be certified by the Chartered Accountant** (not being an employee or a Director or not having any interest in the bidder's company/firm) **and notary public with legible stamp**.*

In case bidder fails to submit authentication of document, same is acceptable against submission of undertaking (format) as given in Bid/Tender only on demand & discretion of BCPL.

However, BEC Clause No. A.1.1 & A.1.3/A.1.4 shall be applicable for Startup bidders.

If a Startup company [whether Micro & Small Enterprises(MSEs) or otherwise] as a bidder gets qualified without any prior experience as mentioned above and emerges as lowest evaluated bidder(L1), the contract/Order on such Startup shall be placed for entire eligible quantity.

However, in such case of procurement of goods, before supplying the total quantity, the Startup enterprise shall first demonstrate its performance by supplying 10% of total ordered quantity (rounded off to the next higher digit in terms of Unit of Measurement (UoM), wherever required) and only after successful execution of this quantity the balance 90% quantity will be cleared for supply. In case, the demonstration of performance fails, the entire order will be canceled without any financial implication on either side.

A.2 ***BEC- Financial: (as a single bidder):***

A.2.1 ***TURN OVER****: The* ***annual turnover*** *of the bidder must have* ***minimum value of Rs.93.58 lakhs*** *in any of the three (03) previous audited financial years ending on 31st March'2021. i.e.* ***FY: 2020-21, 2019-20 & 2018-19.***

A.2.2 ***NET WORTH:*** *Net Worth of the bidder should be* ***positive*** *as per the* ***last audited financial statement.*** *i.e.* ***FY: 2020-21.***

A.2.3 ***WORKING CAPITAL****: The bidder should have* ***minimum working capital of value Rs.18.72 lakhs as per the last audited financial statement for the year.*** *i.e.* ***FY: 2020-21.***

If the bidder's working capital is negative or inadequate ***as per BEC clause no. A.2.3****, the bidder shall submit/upload a letter from the bidder's bank as per* ***Format, F-15****, having net worth not less than* ***Rs.100 Crores****, confirming the availability of the line of credit for at least* ***value Rs.18.72 lakhs*** *as mentioned above at BEC clause no. A.2.3 (Format specified in tender document).*

Note to A2:

1. *Bidder has to compulsorily submit the audited financial results for the immediate 3 preceding financial years subject to Govt. circular for extension of the last date for finalization of account.*

A.2.4 ***Relaxed Norms for Startups (financial criteria):***

Prior turnover for 'Startup' company [whether Micro & Small Enterprises (MSEs) or otherwise] as a bidder shall not be required as mentioned at Sl. No. ***A.2.1*** *, subject to their meeting the quality and technical specifications specified in tender document.*

For availing the relaxation*, bidder is required to* ***submit/upload requisite certificate towards Startup enterprise registration*** *issued by Department for Promotion of Industry and Internal Trade (DPIIT) [formerly known as Department of Industrial Policy and Promotion(DIPP)], Ministry of Commerce & Industry and the aforesaid* ***certificate should be certified by the Chartered Accountant*** *(not being an employee or a Director or not having any interest in the bidder's company/firm)* ***and notary public with legible stamp****.*

The relaxation of prior turover to Startup [whether Micro & Small Enterprises (MSEs) or otherwise] is to be given to the ***specific goods/job domains*** *wherein they are registered for and* ***startups are required to submit/upload the documents for the same(as mentioned in the above 'para') including the***

application submitted to DPIIT(formerly known as DIPP)*. New startup "Certificate of Recognition" is stipulating the domain of startup, the domain of startup would be considered based on "Certificate of Recognition" issued by DPIIT(formerly known as DIPP). Startups having the "Certificate of Recognition" as per old format, are required to submit documents as mentioned herein above.*

*Further, **above document should also be certified by the Chartered Accountant** (not being an employee or a Director or not having any interest in the bidder's company/firm) **and notary public with legible stamp**.*

In case bidder fails to submit authentication of document, same is acceptable against submission of undertaking (format) as given in Bid/Tender only on demand & discretion of BCPL.

However, BEC Clause No. A.2.2 & A.2.3 shall be applicable for Startup bidders.

A.3 ***Documents/Documentary Evidence required*** *to be uploaded* (*submitted*) ***in e-Portal of BCPL*** *by bidder along with the other bid documents for qualifying the BEC mentioned at* ***sl. no. A.1 & A.2****:*

Sr. No.	***BEC Clause no.***	***Description***	***Documents required along with Unpriced bid for qualifying BEC (Bid Evaluation Criterion) [All documents must be duly authenticated/ attested]***
	A.1	***Technical Experience Criteria – Document*** *[All documents to be submitted must be **Certified/attested by both Chartered Engineer and Notarized by Notary Public** with legible stamp. However incase UPBO is on or before 31.03.2022, bidder can submit **self certified documents alongwith submission of undertaking** (as per proforma attached Annex-1). The authenticated documents will be submitted by bidder, on whom order/ contract is placed, after normalization of situation.]*	
1	*A.1.1*	*Experience against Status of Bidder*	*In case the bidder is a Manufacturer, must upload / submit a copy of valid documentary evidence (on the final bid due date of submission) for being a manufacturer [i.e, valid Industrial License /Annual Report/ISO Certificate / Certificate issued by Statutory Authority/MSME Certificate or equivalent certificate].* *In case the bidder is a supplier, must upload/ submit a copy of PO for any value alongwith proof of supply as stipulated in sl. no.2 of table below.*
2.	*A.1.2*	*Experience against Supply of order*	*1) Bidder must upload / submit copy of Purchase Order alongwith copy of detailed SOR [Schedule of rates].* *2) Proof of its supply/ execution [(i.e. execution / completion certificate issued from purchaser/ end user/ authorized*

Sr. No.	***BEC Clause no.***	***Description***	***Documents required along with Unpriced bid for qualifying BEC (Bid Evaluation Criterion) [All documents must be duly authenticated/ attested]***
		/contract	*consultant of owner)/ Invoice with proof of payment /Inspection Note/Challan duly endorsed by the authorized recipient of the buyer etc.] clearly having the reference no. of P.O, Item Description, Quantity executed/supplied and actual date of execution/supply etc.]*
3	*A.1.3*	*Qualification Criteria for manufacturer to comply A.1.2*	*In case the bidder is a Manufacturer, must upload / submit a copy of valid documentary evidence (on the final bid due date of submission) for being a manufacturer [i.e, valid Industrial License /Annual Report/ISO Certificate / Certificate issued by Statutory Authority/MSME Certificate or equivalent certificate].* *The bidder as a manufacturer has to submit / upload the affidavit as per* ***Form-1*** *of ITB of the tender declaring that the* ***offered/quoted Elbows*** *are domestically manufactured in terms of the minimum domestic value addition* ***as indicated/shown in the table provided in BEC Clause No. A.1.2 above****.*
4	*A.1.5*	*Qualification Criteria for bidder who is other than manufacturer to comply A.1.3*	*The bidder who is* ***other than manufacturer of the offered/quoted product(s)/item(s)*** *shall furnish the affidavit [****as per Form-1 of ITB of the tender****] issued by the domestic manufacturer declaring that the* ***offered/quoted Elbows*** *are domestically manufactured in terms of the domestic value addition* ***as indicated/shown in the table provided in BEC Clause No. A.1.2 above****.*
5	*A.1.5*	*Documents against Startup Company*	*a) Bidder to upload / submit the valid* ***'Certificate of Recognition' issued by Dept. of Industrial Policy and Promotion****, Ministry of Commerce & Industry, Govt. of India duly* ***certified by the Chartered Accountant*** *(not being an employee or a Director or not having any interest in the bidder's company / firm) and* ***notarised by notary public with legible stamp.*** *b) Bidder to upload / submit documents for the specific goods/job domains wherein they are registered for, including the application submitted to DPIIT duly* ***certified by the Chartered Accountant*** *(not being an employee or a Director or not having any interest in the bidder's company / firm) and* ***notarised by notary public with legible stamp.*** *c) Documents stated above (at sl. no.1, 3/4) against being a manufacturer & minimum domestic value addition respectively.*
	A.2	***Financial Experience Criteria- Document***	

Sr. No.	***BEC Clause no.***	***Description***	***Documents required along with Unpriced bid for qualifying BEC (Bid Evaluation Criterion) [All documents must be duly authenticated/ attested]***
		[All audited financial statements/documents (balance sheet and profit & loss account statement under A.2.1, (Not applicable for 'Startup' as mentioned in BEC clause no. A.2.4) A.2.2 & A.2.3 of above BEC) to be uploaded (submitted) must be ***duly Certified/attested by Notary public*** *with legible stamp. However incase UPBO is on or before 31.03.2022, bidder can submit* ***self certified documents alongwith submission of undertaking*** *(as per proforma attached Annex-1). The authenticated documents will be submitted by bidder, on whom order/ contract is placed, after normalization of situation.]]*	
6	*A.2.1*	*Annual Turn-over*	*Bidder(s) shall submit/upload copy of audited financial statement (Balance sheet and Profit & Loss account statement) of the preceding three (3) Financial Year(s) as per BEC clause no. A.2.1.*
7	*A.2.2*	*Net worth*	*Bidder(s) shall submit/upload copy of audited financial statement (Balance sheet and Profit & Loss account statement) of last audited Financial Year as per BEC clause no. A.2.2.*
8	*A.2.3*	*Working capital*	*Bidder(s) shall submit/upload copy of audited financial statement (Balance sheet and Profit & Loss account statement) for the last audited Financial Year as per BEC clause no. A.2.3.*
9		*Format, F-10*	*"Details of financial capability of bidder" shall be uploaded (submitted) in the prescribed* ***Format, F-10*** *(of tender document) duly signed and stamped by a* ***Chartered Accountant only.***

Note to above ***Bid Evaluation Criteria (Serial no. A of BEC)****:*

(i) *A job executed by a bidder for its own plant/projects cannot be considered as experience for the purpose of meeting the requirement of BEC of this tender. However, jobs executed for Subsidiary/Fellow subsidiary/Holding Company will be considered as experience for the purpose of meeting BEC subject to submission of tax paid invoice (s) duly certified by Statutory Auditor of the bidder towards payments of statutory tax in support of the job executed for Subsidiary / Fellow subsidiary / Holding company. Such bidders to submit these documents in addition to the documents specified in the bidding document to meet BEC.*

(ii) *Experience of bidder acquired as a subcontractor is acceptable against submission of certificate from end user by such bidder along with other specified documents.*

(iii) ***Only documents (Work Order, Completion certificate, Execution Certificate etc.) which have been referred/ specified in the bid shall be considered in reply to queries (if any) during evaluation of Bids.***

(iv) *Any shortfall information / documents on the Audited Annual Report / Financial Statement of the Bidder and/or line of credit for working capital issued on or before the final bid due date can only be sought against Commercial queries (CQs). Any*

information/ documents issued post final bid due date shall not be considered for evaluation.

(v) ***The cut-off date for meeting the criteria of BEC of the tender shall be the due date for bid submission.***

(vi) *Eligibility criteria in case bid is submitted on the basis of technical experience of FOREIGN BASED ANOTHER COMPANY (SUPPORTING COMPANY) which holds more than 50% of the paid up share capital of the bidding company or vice versa: Applicable as per ITB, Annexure-A*

(vii) *Procurement from a bidder which shares a land border with India: Applicable as per ITB, Annexure-B*

(viii) *DMI&SP Policy: Applicable as per ITB for Supply of Elbow only. (ref. Annexure-D of ITB)*

(ix) ***Apart from above, Bidder must submit all other relevant documents/ information as specified in the Scope of Work/SCC for Technical Evaluation of bid or specified elsewhere in the Tender Document, towards proof of its responsiveness.***

B) ***<u>Methodology for Evaluation of Bids:</u>***

B.1 *BCPL will evaluate and compare the Price bids of the techno-commercially qualified bidders whose bids are previously determined to be substantially responsive pursuant to "ITB: Clause-29".*

B.2 *Bids determined to be substantially responsive will be checked by the Employer for any arithmetic errors. Errors in Price Schedule/SOR will be corrected by the Employer as per the clause "Correction of Errors" of ITB.*

B.3 *Bid of techno-commercially acceptable bidder will be evaluated on item wise L1 basis and will be considered for award.*

B.4 *In order to arrive at the Itemwise Lowest-Evaluated (L1) Bid / Offer, the evaluation of all Techno-Commercially-Acceptable bids/offers shall be carried out as under:*

B.4.1 *BCPL can avail/take the full input tax credit of GST (CGST & SGST/UTGST or IGST); the input credit of* ***GST (CGST & SGST/UTGST or IGST)*** *shall be considered for evaluation of bids.*

B.4.2 *Total evaluated price inclusive of all charges, P&F, freight, GST & CESS, & less INPUT TAX CREDIT (ITC) under GST, if any, as quoted by the bidder will be considered.*

B.4.3 *The evaluated price of the bidder(s) shall include the following:*

(i) *Ex-works price quoted by the bidder [including packing & forwarding including cost of Inspection by Third Party Agency, mandatory spares etc (wherever applicable)].*

(ii) Inland transportation up-to Delivery location and other costs incidental to delivery of goods.

(iii) GST (CGST & SGST/UTGST or IGST) on the finished goods including inland transportation [i.e. on sl. no. (i) and (ii) above].

(iv) Charges for incidental services like Erection, Installation & Commissioning, Training to the Purchasers' personnel and GST (CGST & SGST/UTGST or IGST) on these services etc. (if any)

(v) Other loading, if any, as specified in Tender Document.

B.4.4 In case any unregistered bidder is submitting their bid, their prices will be loaded with applicable GST (CGST & SGST/UTGST or IGST), if applicable as per Govt. guidelines, during evaluation of bid. Where BCPL is entitled for input credit of GST (CGST &SGST/UTGST or IGST), the same will be considered during evaluation as per evaluation methodology of tender document.

B.4.5 In case any cess on GST is applicable same shall also be considered in evaluation.

B.4.6 In case the bidder is covered under Composition Scheme under GST laws, then bidder should quote the price inclusive of the GST (CGST & SGST/UTGST or IGST). Further, such bidder should mention "Cover under composition system" in column for GST (CGST & SGST/UTGST or IGST) of price schedule.

B.4.7 In case of statutory changes, the rate of Goods & Service Tax considered for evaluation shall be of prevailing rate as on final date of Unpriced Bid opening.

B.4.8 GST, as quoted by the bidder, shall be deemed as final and binding for the purpose of bid evaluation (applicable for tenders where bidder quotes the GST rates). In case a bidder enters "zero/blank" GST or an erroneous GST, the bid evaluation for finalizing the L1 bidder will be done considering the quoted GST rate. No request for change in GST will be entertained after submission of bids.

B.5 In cases where the successful bidder quotes a wrong GST rate, for releasing the order, the following methodology shall be as mentioned below:

B.5.1 In case the actual GST rate applicable is lower than the quoted GST rate, the actual GST rate will be added to the quoted basic prices. The final cash outflow will be based on actual GST rate.

B.5.2 In case the actual GST rate applicable is more than the quoted GST rate, the basic prices quoted will be reduced proportionately, keeping the final cash outflow the same as the overall quoted amount.

Based on the Total Cash Outflow calculated as above, BCPL shall place orders.

B.6 In case, it is observed that any of the bidder(s) has/have offered suo-moto Discount/Rebate after opening of unpriced bid but before opening of price bids such discount /rebate(s) shall not be considered for evaluation. However, in the event of the bidder emerging as the lowest evaluated bidder without considering the

discount/rebate(s), then such discount/rebate(s) offered by the bidder shall be considered for Award of Work and the same will be conclusive and binding on the bidder.

B.7 *In case of a tie at the lowest bid (L1) position between two or more bidders, the order/LoA will be placed on the bidder who has higher/ highest turnover in last audited financial year.*

B.7.1 *Bidder to submit latest Complete Audited Annual Report/ Financial Statements-Balance sheets and Profit and Loss Accounts statements including its all Schedules of the last audited financial year along with the Bid.*

B.8 *In case there is a tie at the lowest bid (L1) position between only startup bidders and none of them has past turnover, the order/LoA will be placed on the startup who is registered earlier with Department for Promotion of Industry and Internal Trade.*

B.9 ***CPS/SD:***

The contract performance security shall be 3% of Annualized Order /Contract value (exclusive of GST) towards faithful performance of the contractual obligations and must be valid for 3 months beyond the contract period/defect liability period/warranty period (whichever is later). For the purpose of Contract Performance Security, Contract/order value shall be exclusive of taxes and duties as per ITB of tender document.

However CPS shall not be applicable in cases wherein the individual order value as specified in PO/FOA is less than INR 5 lakhs (exclusive GST).

B.10 *Preferences:*

i) *Purchase preference under PPLC- Applicable*

ii) *Purchase preference for Micro and Small Enterprises (MSEs) Order, 2012-Applicable. Items are splittable.*

iii) *Purchase Preference to CPSEs-Not Applicable.*

Annexure-1 to Section-II

UNDERTAKING REGARDING SUBMISSION OF AUTHENTICATED DOCUMENTS RELATING TO BEC, AFFIDAVIT I CERTIFIED DOCUMENTS FOR PURCHASE PREFERENCE POLICY(S), ETC.

To,

M/s Brahmaputra Cracker and Polymer Ltd.

SUB:

TENDER NO:

Dear Sir,

We hereby confirm that due to COVID-19 situation, we are unable to submit the Authenticated documents relating to BEC and Affidavit/ Certified Documents for Purchase Preference Policy(s), etc. (wherever applicable) as specified in tender document. Hence, we are submitting the self-certified documents relating to BEC and Affidavit /Certified Documents for Purchase Preference Policy(s), etc (wherever applicable).

We hereby confirm that in case of award of contract/order, we will submit Authenticated documents relating to BEC and Affidavit/Certified Documents for Purchase Preference Policy(s), etc. (wherever applicable) as per tender provisions after normalization of situation.

Place:
Date:

[Signature of Authorized Signatory of Bidder)
Name:
Designation:
Name of Bidder:
Seal:

भाग – III
SECTION – III

बोलीदाताओं के लिए निर्देश (आईटीबी)

INSTRUCTIONS TO BIDDERS (ITB)
[TO BE READ IN CONJUCTION WITH BIDDING DATA SHEET (BDS)]

SECTION-III

INSTRUCTION TO BIDDERS

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INSTRUCTIONS TO BIDDERS [ITB]

[A] – GENERAL

1 SCOPE OF BID:

1.1 The Purchaser as defined in the "General Conditions of Contract-Goods [GCC-Goods]", wishes to receive bids as described in this invitation to offer (the "**Tender Document /Bid Document**") issued by the Purchaser. Purchaser/Owner occurring herein under shall be considered synonymous.

1.2 SCOPE OF BID: The scope of Supply shall be as defined in the Tender Document.

1.3 The successful Bidder (the "**Supplier**") shall complete delivery of goods along with its incidental services (if any) as per Specification, Scope of Supply/Job within the period stated in Special Conditions of Contract.

1.4 Throughout the Tender Documents, the terms 'Bid', 'Tender' & 'Offer' and their derivatives [Bidder/Tenderer, Bid/Tender/Offer etc.] are synonymous. Further, 'Day' means 'Calendar Day' and 'Singular' also means 'Plural'.

2 ELIGIBLE BIDDERS:

2.1 The Bidder shall not be under a declaration of ineligibility by Purchaser for Corrupt/ Fraudulent/ Collusive/ Coercive practices, as defined in ITB, Clause No. 39" (Action in case Corrupt/ Fraudulent/ Collusive/ Coercive Practices).

2.2 The Bidder is not put on 'Holiday' by BCPL/GAIL or Public Sector Project Management Consultant (like EIL, ~~Mecon~~ etc. only due to "poor performance" or "corrupt and fraudulent practices") or banned/blacklisted by Government department/ Public Sector on due date of submission of bid. Further, neither bidder nor their allied agency/(ies) (as defined in the Annexure-I, Procedure for Action in case of Corrupt/ Fraudulent/ Collusive/ Coercive Practices) are on banning list of BCPL/GAIL or the Ministry of Petroleum and Natural Gas.

If the Tender Document is/was issued inadvertently / downloaded from, then Bid submitted by such Bidder, shall not be considered for opening/ evaluation/ award.

In case there is any change in status of the declaration prior to award of Contract, the same has to be promptly informed to BCPL by the Bidder.

It shall be the sole responsibility of the bidder to inform about their status regarding para 1 of clause 2.2 herein above on due date of submission of bid and during the course of finalization of the tender. Concealment of the facts shall tantamount to

misrepresentation of facts and shall lead to action against such Bidders as per clause 39 of ITB.

2.3 Bidder shall not be affiliated with a firm or entity:

(i) that has provided consulting services related to the work to the Purchaser during the preparatory stages of the work or of the project of which the works/services forms a part of or

(ii) that has been hired (proposed to be hired) by the Purchaser as an Engineer/ Consultant for the Contract.

2.4 Neither the firm/entity appointed as the Project Management Consultant (PMC) for a Project (except feasibility report) nor its affiliates shall be allowed to participate in the tendering process unless it is the sole Licensor/Licensor nominated agent/ vendor.

2.5 Pursuant to qualification criteria set forth in the Tender Document, the Bidder shall furnish all necessary supporting documentary evidence to establish Bidder's claim of meeting qualification criteria.

2.6 Power of Attorney:

Power of Attorney (POA) to be issued by the bidder in favour of the authorised employee(s), in respect of the particular tender, for purpose of signing the documents including bid, all subsequent communications, agreements, documents etc. pertaining to the tender and act and take any and all decision on behalf of the bidder. Any consequence resulting due to such signing shall be binding on the Bidder.

The Power of Attorney shall be issued as per the constitution of the bidder as below:

a) **In case of Proprietorship:** by Proprietor

b) **In case of Partnership:** by all Partners or Managing Partner

c) **In case of Limited Liability Partnership:** by any bidder's employee authorized in terms of Deed of LLP

d) **In case of Public / Limited Company:** PoA in favourof authorized employee(s) by Board of Directors through Board Resolution or by the designated officer authorized by Board to do so. Such Board Resolution should be duly countersigned by Company Secretary / MD / CMD / CEO.

The Power of Attorney should be valid till award of contract / order to successful bidder.

2.7 In case of change of constitution of bidder after submission of bid, the same shall be informed by the bidder to BCPL promptly. Failure to same shall be considered as misrepresentation by the bidder.

3 BID FROM "CONSORTIUM"/"JOINT VENTURE - NOT APPLICABLE

4 ONE BID PER BIDDER:

4.1 A Bidder shall submit only 'one [01] Bid' in the same Bidding Process either as single entity or as a member of any consortium (wherever consortium bid is allowed). A Bidder who submits or participates in more than 'one [01] Bid' will cause all the proposals in which the Bidder has participated to be disqualified.

4.2 More than one bid means bid(s) by bidder(s) having same Proprietor/Partners/Limited Liability Partner in any other Bidder (s). Further, more than one bids shall also include two or more bidders having common power of attorney holder.

Failure to comply this clause during tendering process will disqualify all such bidders from process of evaluation of bids.

4.3 Alternative Bids shall not be considered.

4.4 The provision mentioned at sl. no. (4.1) and (4.2) shall not be applicable wherein bidders are quoting for different Items/Sections/Parts/Groups/SOR items of the same tender which specifies evaluation on Items/Sections/Parts/Groups/SOR items basis.

5 COST OF BIDDING:

5.1 The Bidder shall bear all costs associated with the preparation and submission of the Bid including but not limited to Documentation Charges, Bank charges, all courier charges, translation charges, authentication charges and any associated charges including taxes & duties thereon. Further, BCPL will in no case, be responsible or liable for these costs, regardless of the outcome of the bidding process.

6 SITE VISIT:

6.1 The Bidder is advised to visit and examine the site and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the Bid and entering into a Contract for the required supply/job. The costs of visiting the site shall be borne by the Bidder.

6.2 The Bidder or any of its personnel or agents shall be granted permission by the Purchaser to enter upon its premises and land for the purpose of such visits, but only upon the express conditions that the Bidder, its personnel and agents will release and indemnify the Purchaser and its personnel, agents from and against all liabilities in respect thereof, and will be responsible for death or injury, loss or damage to property, and any other loss, damage, costs, and expenses incurred as a result of inspection.

6.3 The Bidder shall not be entitled to hold any claim against BCPL for non-compliance due to lack of any kind of pre-requisite information as it is the sole responsibility of the Bidder to obtain all the necessary information with regard to site, surrounding, working conditions, weather etc. on its own before submission of the Bid.

[B] – TENDER DOCUMENT

7 CONTENTS OF TENDER DOCUMENT:

7.1 The contents of Tender Document are those stated below, and should be read in conjunction with any 'Addendum / Corrigendum and Clarification(s) ' issued in accordance with "ITB: Clause- 8 & 9":

- Section-I : Invitation for Bid [IFB]*
- Section-II : BID EVALUATION CRITERIA [BEC] &Price Evaluation Methodology
- Section-III : Instructions to Bidders [ITB]
  Annexure
  Forms & Format**
- Section-IV : General Conditions of Contract [GCC] – Goods***
- Section-V : Special Conditions of Contract [SCC]
- Section-VI : Technical Specifications , Drawing (wherever applicable) and scope for incidental services (wherever applicable)
- Section-VII : Price Schedule/ Schedule of Rates

*Request for Quotation', wherever applicable, shall also form part of the Bidding Document.

** The subject tender is based on standard formats and applicability of some specific clauses may be seen in Annexure-IV to Section-IV i.e. BDS (Bidding Data Sheet)

*** General Conditions of Contract - Goods is available on BCPL's Tender website (https://www.bcplonline.co.in/UploadFiles/GCC_Goods.pdf).

7.2 The Bidder is expected to examine all instructions, forms, terms & conditions of the Tender Document. The RFQ & IFB together with all its attachments thereto, shall be considered to be read, understood and accepted by the Bidders. Failure to furnish all information required by the Tender Document or submission of a Bid not substantially responsive to the Tender Document in every respect will be at Bidder's risk and may result in the rejection of his Bid.

8 CLARIFICATION OF TENDER DOCUMENT:

8.1 A prospective Bidder requiring any clarification(s) of the Tender Documents may notify BCPL in writing or by email in the format "F-11" at BCPL's mailing address indicated in the **IFB/BDS no later than 02 (two) days prior to pre-bid meeting (in cases where pre-bid meeting is scheduled) or 05 (five) days prior to the bid closing date in cases where pre-bid meeting is not scheduled**. BCPL reserves the right to ignore the bidders request for clarification if received after the aforesaid period. BCPL may respond in writing to the request for clarification. BCPL's response including an explanation of the query, but without identifying the source of the query will be uploaded on Websites as mentioned at clause no. 2.0 (F) of IFB

8.2 Any clarification or information required by the Bidder but same not received by the Purchaser as per instructions at clause 8.1 above is liable to be considered as "no clarification / information required".

9 AMENDMENT OF TENDER DOCUMENT:

9.1 At any time prior to the 'Due Date & Time of Bid Submission', Purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder(s), modify the Tender Document by addenda/ corrigendum.

9.2 Any addendum/ corrigendum thus issued shall be integral part of the Tender Document and shall be hosted on the websites as provided at clause no. 2.0 (F) of IFB. Bidders have to take into account all such addendum/ corrigendum before submitting their bid.

9.3 The Purchaser, if consider necessary, may extend the bid due date in order to allow the Bidders a reasonable time to furnish their most competitive bid taking into account the addenda/ corrigendum issued thereof.

[C] – PREPARATION OF BID

10 LANGUAGE OF BID:

The bid prepared by the Bidder and all correspondence, drawing(s), document(s), certificate(s) etc. relating to the Bid exchanged by Bidder and BCPL shall be written in English language only. In case a document, certificate, printed literature etc. furnished by the Bidder in a language other than English, the same should be accompanied by an English translation duly authenticated by the Indian Chamber of Commerce, in which case, for the purpose of interpretation of the Bid, the English translation shall govern.

11. DOCUMENTS COMPRISING THE BID:

11.1 Bidders are requested to refer instructions for participating in e-Tendering (Annexure-III to Section III), Ready Reckoner for Bidders and FAQs available in e-portal and bids submitted manually shall be rejected. All pages of the Bid must be digitally signed by the "authorized signatory" of the Bidder holding Power of Attorney. The Bid must be submitted on BCPL's e-portal **(https://etenders.gov.in)** as follows**:-:**

11.1.1 **PART-I: "TECHNO-COMMERCIAL / UN-PRICED BID"**

Comprising all the below mentioned documents should be uploaded in the private area earmarked (Tender Document) in the BCPL's e- portal:

(a) 'Covering Letter' on Bidder's 'Letter head' clearly specifying the enclosed contents with index.
(b) 'Bidder's General Information', as per 'Form F-1'.
(c) Copy of Price Schedule/ Schedule of Rate (SOR) with prices blanked out but mentioning "Quoted" / "Not Quoted" (as applicable) written against each item, in support of having submitted prices in the Priced Bid/SOR strictly in the format provided in the Tender Document.
(d) 'Letter of Authority' on the Letter Head, as per 'Form F-3'
(e) 'Agreed Terms and Conditions', as per 'Form F-5'
(f) Duly certified / attested documents in accordance with the "Bid Evaluation Criteria [BEC]", Section II of Tender Document.
(g) Copy of Power of Attorney in favour of the authorized signatory of the Bid, as per clause no.2.6 of ITB.
(h) Any other information/details required as per Tender Document
(i) Copy of EMD / Declaration for Bid Security, as per Clause 16 of ITB
(j) ~~Copy of Integrity Pact as per Form F-13~~
(k) Undertaking as per *Form-1 to Annexure-C* by MSE bidders and Bidders seeking preference under Policy for purchase preference linked with Local Content (PP-LC), if applicable.
(l) Undertaking as per *Form-2 to Annexure-A* and Certification from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of other than companies) as per *Form-3 to Annexure-A* In case a bidder is quoting on behalf of a manufacturer, in addition to *Form-2 and Form-3 to Annexure-A*, the bidder is required to submit *Form-4 and Form-5 to Annexure-A* to be signed by the manufacturer and the statutory auditor /cost auditor/ practicing cost accountant/practicing chartered accountant of that manufacturer respectively.
(m) Undertaking as per *Form-I to Annexure-B* regarding Provisions for Procurement from a Bidder which shares a land border with India
(n) All other forms and Formats including Annexures.
(o) Tender Document, its Corrigendum/Amendment/Clarification(s) digitally signed by the Authorized Signatory holding POA.
(p) Additional document specified in BDS, SCC, Scope of Supply or mentioned elsewhere in the Tender Document.

Further, Bidders must submit the original "Bid Security / EMD", Power of Attorney, Integrity Pact and any other documents specified in the Tender Document to the address mentioned in IFB, in a sealed envelope, superscribing the details of Tender Document (i.e. tender number & tender for) within 7 days from the Bid Due Date.

Bidders are required to submit the EMD in original by Bid Due Date and Time or upload a scanned copy of the same in the Part-I of the Bid. If the Bidder is unable to submit EMD in original by Bid Due Date and Time, the Bidder is required to upload a scanned copy of the EMD in Part-I of Bid, provided the original EMD, copy of which has been uploaded, is

received within 7 days from the Bid Due Date, failing which the Bid will be rejected irrespective of their status/ranking in tendering process and notwithstanding the fact that a copy of EMD was earlier uploaded by the Bidder.

11.1.2 PART-II: Price Bid (Finance Folder)

Part-II of the Bid shall contain Price Bid only. The Prices are to be submitted strictly in the Price Schedule/ Schedule of Rate (SOR) format of the Tender Document as per instructions mentioned hereunder and to be digitally signed and uploaded in SOR attachment in BCPL's e-Portal. BCPL shall not be responsible for any failure on the part of the bidder to follow the instructions given in the Note below.

Note:

i) Bidders are advised NOT to mention Rebate/Discount separately, either in the SOR format or anywhere else in the Bid. In case Bidder(s) intend to offer any Rebate/Discount, they should include the same in the item rate(s) itself under the "Price Schedule/ Schedule of Rates (SOR)" and indicate the discounted unit rate(s) only.

ii) If any unconditional rebate has been offered in the quoted rate the same shall be considered in arriving at evaluated price. However, no cognizance shall be taken for any conditional discount for the purpose of evaluation of the Bid.

iii) In case, it is observed that any of the Bidder(s) has/have offered *suo-moto* Discount/Rebate after opening of unpriced bid but before opening of price bid, such discount /rebate(s) shall not be considered for evaluation. However, in the event of the Bidder emerging as the lowest evaluated Bidder without considering the discount/rebate(s), then such discount/ rebate(s) offered by the Bidder shall be considered for Award and the same will be conclusive and binding on the Bidder.

iv) In the event as a result of techno-commercial discussions or pursuant to seeking clarifications / confirmations from Bidder, while evaluating the un-priced part of the Bid, any of the bidders offers upward revised prices; such Bidder(s) will be requested to withdraw the revised prices failing which the bid will not be considered for further evaluation.

11.2 In case of bids invited under Single Bid System (clause no. 2.0(C) of IFB refers), all the documents as specified at Clause 11.1.1 & 11.1.2 of ITB can be submitted in single envelope /folder, as per instructions of Tender Document.

12 BID PRICES:

12.1 Bidders shall indicate the following in the Price Schedule/SOR format:-

A) Ex-works Price including packing and forwarding charges (such price to include all costs as well as duties and taxes paid or payable on components and raw materials incorporated or to be incorporated in the goods).

B) Inland transportation upto Delivery Location and other costs incidental to delivery

The material is required to be delivered through a registered common carrier as per section 3 of Carriage by the Road Act 2007.

Also, BCPL reserves the right to transport the material with it's own transporter.

C) GST (CGST & SGST/UTGST or IGST) on the finished goods as well as on inland transportation,

D) Charges for incidental services and **GST (CGST & SGST/UTGST or IGST) on these services** as per the Price Schedule/ Schedule of Rates.

12.2 It shall be the endeavour of the Purchaser to arrange transit insurance (refer BDS for details).

12.3 Prices must be filled exactly in the format for "Price Schedule/ Schedule of Rates [SOR]" enclosed as part of Tender Document. If quoted in separate typed sheets and any variation in item description, unit, quantity, any conditions of SOR etc. is noticed, the Bid is liable to be rejected.

As stated elsewhere in tender, bidder is required to quote all components of Price Schedule. In case, it is found that some of components of Price schedule viz. Freight, Ocean/Air Freight Charges, Incidental Services Component, etc. are left blank or quoted "Nil/Zero" in Price Bid, the same shall be considered inclusive in total quoted price for evaluation and ordering. No confirmation from the bidder shall be sought in this regard.

12.4 The delivery basis of the goods is mentioned in BDS. If the Goods are dispatched through dedicated full truck load, date of receipt of Goods by Purchaser at its designated site(s) /Store shall be considered as the date of delivery. Similarly, in case of break-bulk dispatches, the date of LR/GR shall be considered as date of delivery. The delivery terms [other than those mentioned in BDS] shall be interpreted as per INCOTERMS®2020 or its latest version.

12.5 All duties, taxes and other levies (if any) payable by the Seller under the Contract or for any other cause, except GST (CGST & SGST/UTGST or IGST) on finished product & on the incidental services, shall be included in the rates / prices and the total bid-price submitted by the Bidder. The quoted rate of GST (CGST & SGST/UTGST or IGST) on finished product & on the incidental services shall be indicated in Agreed Terms & Conditions and the bid prices. Bidders are required to quote the prices after carefully reading the provisions mentioned in tender document including SCC, GCC, Scope of Work, etc.

12.6 Prices quoted by the Bidder, shall remain firm and fixed and valid till completion of the Contract and will not be subject to variation on any account, whatsoever; unless any price escalation/variation is allowed elsewhere in the Tender Document.

12.7 The Bidder shall quote the rates in 'figures' & 'words', as per Price Schedule /SOR format provided in the Tender Document. There should not be any discrepancy between the prices indicated in figures and in words. In case of any discrepancy, the same shall be dealt as per clause no. 30 of ITB.

12.8 Bidder shall also mention the Harmonized System Nomenclature (HSN) at the designated place in Price Schedule.

13 **TAXES & DUTIES:**

13.1 Within the contractual delivery period, the statutory variation in applicable GST (CGST & SGST/UTGST or IGST) on supply and on incidental services, shall be to BCPL's account.

Beyond the contractual delivery period, in case BCPL is not entitled for input tax credit of GST (CGST & SGST/UTGST or IGST), then any increase in the rate of GST (CGST & SGST/UTGST or IGST) beyond the contractual delivery period shall be to Supplier's account whereas any decrease in the rate GST (CGST & SGST/UTGST or IGST) shall be passed on to the Purchaser.

Beyond the contractual delivery period, in case BCPL is entitled for input tax credit of GST (CGST & SGST/UTGST or IGST), then statutory variation in applicable GST (CGST & SGST/UTGST or IGST) on supply and on incidental services, shall be to BCPL's account.

The base date for the purpose of applying statutory variation shall be the Bid Due Date.

13.2 In case of statutory variation(s) in the taxes & duties mentioned at clause no. 13.1 above, the Supplier shall submit a copy of the 'Government Notification' to evidence the rate as applicable on the Bid Due Date and on the date of revision. Claim for payment of Statutory variation should be raised preferably along with the e-Invoice/Invoice. Any claim for arrears on account of statutory variation shall be submitted to Purchaser within two [02] months from the date of issue of such 'Government Notification', otherwise such claim may not be entertained.

13.3 **New Taxes & duties:** Any new taxes & duties, if imposed by the State/ Central Govt. of India on the finished goods after the due date of bid submission but before the Contractual Delivery/Completion Date, shall be reimbursed to the Supplier on submission of copy of notification(s) issued from State/ Central Govt. Authorities along with documentary evidence for proof of payment of such taxes & duties, but only after ascertaining it's applicability with respect to the Contract.

13.4 Deemed Export benefits are not applicable and Bidder should furnish prices without considering the same.

13.5 **Regarding Reconciliation between GSTR 2A and Input Tax Credit**

Supplier shall ensure timely submission of correct e-invoice /invoice(s), as per GST rules/ regulation, with all required supporting document(s) within a period specified in Contract to

enable BCPL to avail input credit of GST (CGST & SGST/UTGST or IGST). Further, returns and details required to be filled under GST laws & rules should be timely filed by Supplier of Goods / Services with requisite details.

If input tax credit is not available to BCPL for any reason not attributable to BCPL, then BCPL shall not be obligated or liable to pay or reimburse GST (CGST & SGST/UTGST or IGST) claimed in the e-invoice/invoice(s) and shall be entitled to deduct / setoff / recover such GST amount (CGST & SGST/UTGST or IGST) or Input Tax Credit amount together with penalties and interest, if any, against any amounts paid or becomes payable by BCPL in future to the Supplier/Contractor under this contract or under any other contract.

In case CBIC (Central Board of Indirect Taxes and Customs)/ any tax authority / any equivalent government agency brings to the notice of BCPL that the Supplier has not remitted the amount towards GST (CGST & SGST/UTGST or IGST) collected from BCPL to the government exchequer, then, that Supplier shall be put under Holiday list of BCPL for period of six months after following the due procedure. This action will be in addition to the right of recovery of financial implication arising on BCPL.

13.6 The supplier shall mention the particulars of Brahmaputra Cracker and Polymer Ltd., (place specified in BDS) on the e-Invoice/Invoice. Besides, if any other particulars of BCPL are required to be mentioned, under GST rules/ regulations on the date of dispatch, the same shall also be mentioned on the e-Invoice/Invoice.

13.7 BCPL will prefer to deal with registered supplier of goods/ services under GST. Therefore, bidders are requested to get themselves registered under GST, it not registered yet.

However, in case any unregistered bidder is submitting their bid, there prices will be loaded with applicable **GST (CGST & SGST/UTGST or IGST)** during evaluation of bid (if applicable as per Govt. Act/ Law in vogue). Where BCPL is entitled for input credit of **GST (CGST & SGST/UTGST or IGST)**, the same will be considered for evaluation of bid as per evaluation methodology of tender document. Further, an unregistered bidder is required to mention its Income Tax PAN in bid document.

13.8 In case the GST rating of vendor on the GST portal / Govt. official website is negative / black listed, then the bids may be rejected by BCPL. Further, in case rating of bidder is negative / black listed after award of work for supply of goods / services, then BCPL shall not be obligated or liable to pay or reimburse **GST (CGST & SGST/UTGST or IGST)** to such vendor and shall also be entitled to deduct / recover such **GST (CGST & SGST/UTGST or IGST)** along with all penalties / interest, if any, incurred by BCPL.

13.9 **Anti-profiteering clause**

As per Clause 171 of GST Act, it is mandatory to pass on the benefit due to reduction in rate of tax or from input tax credit to the consumer by way of commensurate reduction in prices. The Service Provider may note the above and quote their prices accordingly.

13.10 GST (CGST & SGST/UTGST or IGST) is implemented w.e.f. 01.07.2017 which subsumed various indirect taxes and duties applicable before 01.07.2017. Accordingly, the provisions of

General Condition of Contract relating to taxes and duties which are subsumed in GST are modified to aforesaid provisions mentioned in clause no. 12 and 13 of ITB.

13.11 GST, as quoted by the bidder in Price Schedule, shall be deemed as final and binding for the purpose of bid evaluation (applicable for tenders where bidder quotes the GST rates). In case a bidder enters "zero/blank" GST or an erroneous GST, the bid evaluation for finalizing the L1 bidder will be done considering the quoted GST rate. No request for change in GST will be entertained after submission of bids.

In cases where the successful bidder quotes a wrong GST rate, for releasing the order, the following methodology will be followed:

- In case the actual GST rate applicable is lower than the quoted GST rate, the actual GST rate will be added to the quoted basic prices. The final cash outflow will be based on actual GST rate.
- In case the actual GST rate applicable is more than the quoted GST rate, the basic prices quoted will be reduced proportionately, keeping the final cash outflow the same as the overall quoted amount.

Based on the Total Cash Outflow calculated as above, BCPL shall place orders.

10.12 Wherever TDS under GST Laws has been deducted from the e-Invoices/invoices raised / payments made to the vendors, as per the provisions of the GST law / Rules, Vendors should accept the corresponding GST-TDS amount populated in the relevant screen on GST common portal (www.gst.gov.in). Further, Vendors should also download the GST TDS certificate from GST common portal (reference path: Services > User Services > View/Download Certificates option).

10.13 Provision w.r.t. E- Invoicing requirement as per GST laws:

Supplier who is required to comply with the requirements of E-invoice for B2B transactions as per the requirement of GST Law will ensure the compliance of requirement of E Invoicing under GST law. If the invoice issued without following this process, such invoice can-not be processed for payment by BCPL as no ITC is allowed on such invoices.

Therefore, all the payments to such supplier who is liable to comply with e-invoice as per GST Laws shall be made against the proper e-invoice(s) only. Further, returns and details required to be filled under GST laws & rules against such e-invoices should be timely filed by Supplier of Goods with requisite details.

If input tax credit is not available to BCPL for any reason attributable to supplier (both for E-invoicing cases and non-E-invoicing cases), then BCPL shall not be obligated or liable to pay or reimburse GST (CGST & SGST/UTGST or IGST) claimed in the invoice(s) and shall be entitled to deduct / setoff / recover such GST amount (CGST & SGST/UTGST or IGST) or Input Tax Credit amount together with penalties and interest, if any, by adjusting against any amounts paid or becomes payable in future to the supplier under this contract or under any other contract.

To ensure compliance, undertaking in requisite format is to be submitted by supplier as per format F-15 along with documents for release of payment.

14 BID CURRENCIES:

Bidders must submit Bid in Indian Rupees only.

15 BID VALIDITY:

15.1 Bid shall be kept valid for period specified in BDS from the final 'Bid Due Date'. A Bid valid for a shorter period may be rejected by BCPL as 'non-responsive'.

15.2 In exceptional circumstances, prior to expiry of the original 'Bid Validity Period', the Purchaser may request the Bidder to extend the 'Period of Bid Validity' for a specified additional period. The request and the responses thereto shall be made in writing or by email. A Bidder may refuse the request ~~without forfeiture of his 'EMD/Bid Security'~~ without any actions being invoked as per bid security declaration. A Bidder agreeing to the request will not be required or permitted to modify his Bid, but will be required to extend the validity of its 'EMD' for the period of the extension and in accordance with "ITB: Clause-16" in all respects.

16 EARNEST MONEY DEPOSIT (EMD): Not Applicable in instant tender

16.1 ~~Bid must be accompanied with earnest money **(i.e Earnest Money Deposit (EMD)** also known as **Bid Security)** in the form of **'Demand Draft'** / **'Banker's Cheque' [**in favour of **Brahmaputra Cracker and Polymer Limited** payable at place mentioned in **BDS]** or **'Bank Guarantee'** strictly as per the format given in form F 2B of the **Tender Document**. Bidder shall ensure that EMD submitted in the form of 'Bank **Guarantee'** should have a validity of at least 'two [02] months' beyond the validity of the Bid. EMD submitted in the form of **'Demand Draft'** or **'Banker's Cheque'** should be valid for three months**.**~~

~~Bid not accompanied with EMD, or EMD not in requisite format shall be liable for rejection. The EMD shall be submitted in Indian Rupees only.~~

~~16.2 The bidder can also submit the EMD through online banking transaction i.e. IMPS/NEFT/RTGS etc. For this purpose, the details of BCPL's Bank Account are mentioned under BDS. While remitting, the bidder must indicate EMD and tender/E-tender no. under remarks. Bidders shall be required to submit/ upload the successful transaction details along-with their bid/e-bid in addition to forwarding the details to dealing officer through email/letter with tender reference number immediately after remittance of EMD. In absence of submitting/ uploading the remittance details, the bid is likely to be considered as bid not accompanied with EMD. Further, in case of the online transaction, submission of EMD in original is not applicable.~~

~~16.3 BCPL shall not be liable to pay any documentation charges, Bank charges, commission, interest etc. on the amount of EMD. In case EMD is in the form of a~~

~~'Bank Guarantee', the same shall be from any Indian scheduled Bank or a branch of an International Bank situated in India and registered with 'Reserve Bank of India' as Scheduled Foreign Bank. However, in case of 'Bank Guarantee' from Banks other than the Nationalized Indian Banks, the Bank must be commercial Bank having net worth in excess of Rs. 100 Crores [Rupees One Hundred Crores] and a declaration to this effect should be made by such commercial Bank either in the 'Bank Guarantee' itself or separately on its letterhead.~~

~~16.4 Any Bid not secured in accordance with "ITB: Clause-16.1, 16.2 & Clause-16.3" may be rejected by BCPL as non-responsive.~~

~~16.5 Unsuccessful Bidder's EMD will be discharged/ returned as promptly as possible, but not later than 'thirty [30] days' after finalization of tendering process.~~

~~16.6 The successful Bidder's EMD will be discharged upon the Bidder's acknowledging the 'Award' and signing the 'Agreement' (if applicable) and furnishing the 'Contract Performance Security (CPS)/ Security Deposit' pursuant to clause no. 38 of ITB.~~

~~16.7 Notwithstanding anything contained herein, the EMD may also be forfeited in any of the following cases:~~

~~(a) If a Bidder withdraws his Bid during the 'Bid Validity' period~~

~~(b) If a Bidder has indulged in corrupt/fraudulent /collusive/coercive practice~~

~~(c) If the Bidder modifies Bid during the period of bid validity (after Due Date and Time for Bid Submission).~~

~~(d) Violates any other condition, mentioned elsewhere in the Tender Document, which may lead to forfeiture of EMD.~~

~~(e) In the case of a successful Bidder, if the Bidder fails to:~~

~~(i) acknowledge receipt of the "Notification of Award" / Fax of Acceptance[FOA]",~~

~~(ii) furnish "Contract Performance Security / Security Deposit", in accordance with "ITB: Clause-38"~~

~~(iii) accept 'arithmetical corrections' as per provision of the clause 30 of ITB.~~

~~16.8 In case EMD is in the form of 'Bank Guarantee' the same must indicate the Tender Document No. and the name of Tender Document for which the Bidder is quoting. This is essential to have proper correlation at a later date.~~

~~16.9 MSEs (Micro & Small Enterprises) are exempted from submission of EMD in accordance with the provisions of PPP-2012 and Clause 40 of ITB. However, Traders/Dealers/ Distributors /Stockiest /Wholesaler are not entitled for exemption of EMD. The Government Departments/PSUs/ Startups are exempted from the payment of EMD.~~

~~16.10 In case of forfeiture of EMD/ Bid Security, the forfeited amount will be considered inclusive of tax and tax invoice will be issued by BCPL. The forfeiture amount will be subject to final decision of BCPL based on other terms and conditions of order.~~

~~16.11 EMD/Bid Bond will not be accepted in case the same has reference of 'remitter'/'financer' other than bidder on the aforementioned financial instrument of EMD/ Bid Bond submitted by the bidder and bid of such bidder will be summarily rejected.~~

16A **DECLARATION FOR BID SECURITY**

Earnest Money Deposit/Bid Security is not applicable.

However, all the bidder (including MSEs, Startups) is required to submit Declaration for Bid Security in bid as per proforma at Form F-2A.

17 PRE-BID MEETING:

17.1 The Bidder(s) or his designated representative are invited to attend a "Pre-Bid Meeting" which will be held at Date, Time & Venue as specified in IFB. It is expected that a Bidder shall not depute more than 02 representatives for the meeting.

17.2 Purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage and give hands-on demonstration of e-tendering process. The Bidder must submit their queries / clarifications to BCPL in the format "F-18", as mentioned at clause no. 8.0 of ITB.

17.3 The text of the questions raised and the responses that may become necessary as a result of the Pre-Bid Meeting, will be prepared in the form of Addendum / Corrigendum /Clarification to the Tender Document and will be uploaded on websites of BCPL, Govt. and BCPL's e-Portal (in case of e-tendering) and not through the minutes of the Pre-Bid Meeting.

17.4 Non-attendance of the Pre-Bid Meeting will not be a cause for disqualification of Bidder.

18 FORMAT AND SIGNING OF BID:

18.1 The original and all copies of the Bid shall be typed or written in indelible ink [in the case of copies, photocopies are also acceptable] and shall be signed by a person(s) duly authorized to sign on behalf of the Bidder (as per POA). The name and position held by person signing, must be typed or printed below the signature. All pages of the Bid except for unamendable printed literature where entry(s) or amendment(s) has been made, shall be initialed by the person or persons signing the Bid.

18.2 The Bid shall contain no alterations, omissions, or additions, unless such corrections are initialed by the person(s) signing the Bid.

18.3 ***Digitally signed documents to be uploaded as detailed in addendum to ITB (Annexure-III to Section III).***

19 ZERO DEVIATION AND REJECTION CRITERIA:

19.1 ZERO DEVIATION: Deviation to terms and conditions of Tender Document may lead to rejection of Bid. BCPL will accept Bid based on terms & conditions of Tender Document only. Bidder may note, BCPL will determine the substantial responsiveness of each bid to the Tender Document pursuant to provision contained in clause 29 of ITB. For purpose of this, a substantially responsive bid is one which conforms to all terms and conditions of the Tender Document without deviation(s) or exception n(s). BCPL's determination of a Bid's responsiveness is based on the content of the Bid itself without recourse to extrinsic evidence. BCPL reserves the right to raise technical and/or commercial query (ies) to the Bidder(s), if required. The response(s) to the same shall be in writing, and no change in the price(s) or substance of the Bid shall be sought, offered or permitted. The substance of the Bid includes but not limited to prices, completion/delivery period, scope, technical specifications etc. Bidder is requested not to take any deviation(s)/exception(s) to the terms & conditions of Tender Document, and submit all requisite documents as mentioned in this Tender Document, failing which their Bid will be liable for rejection. If a Bidder does not reply to the queries in the permitted time frame then its Bid shall be evaluated based on the documents available in the Bid.

19.2 **REJECTION CRITERIA:**

Notwithstanding the above, deviation to the following clauses of Tender Document shall lead to summarily rejection of Bid:

(a) Firm Price
(b) Earnest Money Deposit / Bid Bond / Bid Security declaration
(c) Specifications
(d) Schedule of Rates / Price Schedule / Price Basis
(e) Delivery Period / Period of Contract/ Completion schedule
(f) Period of Validity of Bid
(g) Price Reduction Schedule
(h) Contract Performance Security / Security Deposit
(i) Warranty/ Guarantee
(j) Arbitration / Resolution of Dispute/Jurisdiction of Court
(k) Force Majeure & Applicable Laws
(l) Integrity Pact, if Applicable

(m) Any other condition specifically mentioned in the Tender Document elsewhere that non-compliance of the clause lead to rejection of Bid

Note: Further, it is once again reminded not to mention any condition in the Bid which is contradictory to the terms & conditions of Tender Document.

20 E-PAYMENT:

Brahmaputra Cracker and Polymer Limited has initiated payments electronically to Suppliers / Contractors electronically through **'e-banking'**.

[D] – SUBMISSION OF BIDS

21 SUBMISSION, SEALING AND MARKING OF BID:

21.1 Bid shall be submitted through e-tender mode in the manner specified in Tender Document. No Manual/ Hard Copy (Original) Bid shall be acceptable.

21.2 EMD /Physical documents shall be addressed to the owner at address specified in IFB.

21.3 Bids submitted under the name of AGENT/ CONSULTANT/ REPRESENTATIVE /RETAINER/ ASSOCIATE etc. on behalf of a Bidder /Affiliate shall not be accepted.

22 DEADLINE FOR SUBMISSION OF BID:

22.1 The Bid must be uploaded on BCPL's e-Portal not later than the Bid Due Date & Time specified in IFB of the Tender Documents.

22.2 BCPL may, in exceptional circumstances and at its discretion, extend the Due Date & Time for Bid submission through a Corrigendum as per clause no. 8.0 and/or 9.0 of ITB. In that case all rights and obligations of BCPL and the Bidder, previously subject to the original Due Date & Time will thereafter be subject to the Due Date & Time as extended. Such Corrigendum for extension of Due Date & Time of Bid submission will be uploaded on websites of BCPL and Govt. and BCPL's e-Portal.

23 LATE BID:

23.1 Any Bid received after the Due Date & Time of Bid submission of tenders will be treated as late bids.

In case the EMD /physical documents have been received but the Bid is not submitted by the bidder in the e-Portal, such ~~EMD~~/ physical documents shall be returned immediately.

23.2 EMD /physical documents received to address other than one specifically stipulated in the Tender Document will not be considered for evaluation/opening/award if not received to the specified destination within stipulated date & time.

24 MODIFICATION AND WITHDRAWAL OF BID:

24.1 The Bidder may withdraw or modify its Bid after bid submission but before the Bid Due Date & Time. No bid shall be modified/ withdrawn after the Bid Due Date & Time.

24.3 Any withdrawal/ modification/substitution of Bid in the interval between the Bid Due Date & Time and the expiration of the period of bid validity specified by the Bidder in their Bid shall result in the Bidder's forfeiture of EMD pursuant to clause 16 of ITB / invocation of action as per Bid Security declaration and rejection of Bid.

24.4 The latest Bid submitted by the Bidder before Bid Due Date & Time shall be considered for evaluation and all other Bid(s) shall be considered to be unconditionally withdrawn.

[E] BID OPENING AND EVALUATION:

25 PURCHASER'S RIGHT TO ACCEPT ANY BID AND TO REJECT ANY OR ALL BIDS

BCPL reserves the right to accept or reject any Bid, and to annul the Bidding process and reject all Bids, at any time prior to award of Contract, without thereby incurring any liability to the affected Bidder(s) or any obligations to inform the affected Bidder(s) of the ground for BCPL's action. However, Bidder if so desire may seek the reason (in writing) for rejection of their Bid to which BCPL shall respond quickly.

26 BID OPENING

26.1 **Un priced Bid Opening*:***

BCPL will open bids, in the presence of Bidders' designated representatives who choose to attend, at date, time and location stipulated in the BDS. The Bidders' representatives, who are present shall sign a Bid Opening Register evidencing their attendance.

26.2 **Priced Bid Opening**:

26.2.1 BCPL will open the price bids of those Bidders who meet the qualification requirement and whose bid is determined to be technically and commercially responsive. Bidders selected for opening of their price bid shall be informed about the date & time of price

bid opening. Bidders may depute their authorized representative to witness the price bid opening. The Bidders' representatives, who are present shall sign a Price Bid Opening Register evidencing their attendance and may be required to be present on a short notice.

26.2.2 The price bids of those Bidders who were not found to be techno-commercially responsive shall not be opened.

26.3 In case of Bids invited under the Single Bid System, Bid shall be opened on the Due Date & Time of Bid Opening as specified in the Tender Document.

27 CONFIDENTIALITY:

Information relating to the examination, clarification, evaluation and comparison of Bids, and recommendations for the award of a Contract, shall not be disclosed to Bidder(s) or any other persons not officially concerned with such process.

28 CONTACTING THE PURCHASER:

28.1 From the time of Bid opening to the time of placement of order, if any Bidder wishes to contact the Purchaser on any matter related to the Bid, it should do so in writing.

28.2 Any effort by a Bidder to influence the Purchaser in the Purchaser's processing of Bid(s) including 'Bid Evaluation', 'Bid Comparison', or 'Contract Award' decisions may result in the rejection of the Bidder's Bid and action shall be initiated as per the BCPL's procedure for action in case Corrupt / Fraudulent / Collusive / Coercive practices in this regard apart from forfeiture of EMD/ Bid Security, if any.

29 EXAMINATION OF BIDS AND DETERMINATION OF RESPONSIVENESS:

29.1 The purchaser's determination of a bid's responsiveness is based on the content of the bid only. Prior to the detailed evaluation of Bids, the Purchaser will determine whether each Bid:-

(a) meets the "Bid Evaluation Criteria" of the Tender Document;
(b) has been properly signed;
(c) is accompanied by the required ~~EMD / Bid Security/~~ Bid Security Declaration;
(d) is substantially responsive to the requirements of the Tender Document; and
(e) provides any clarification and/or substantiation that the Purchaser may require to determine responsiveness pursuant to "ITB: Clause-29.2"

29.2 A substantially responsive Bid is one which conforms to all the terms & conditions, specifications etc. of the Tender Document without any material deviation or reservation or omission, for this purpose Purchaser defines the foregoing terms below:-

a) "Deviation" is departure from the requirement specified in the Tender Documents.
b) "Reservation" is the setting of limiting condition(s) or withholding from complete acceptance of the requirement in the Tender Documents.
c) "Omission" is the failure to submit part or all of the information or documentation required in the Tender Document for evaluation of bid.

29.3 A material deviation, reservation or omission is one that,
a) If accepted would,
i) affect in any substantial way the scope, quality or performance of the job as specified in Tender Document.
ii) limit, in any substantial way, inconsistent with the Tender Document, the Purchaser's rights or the Bidder's obligation under the proposed Contract.
b) If rectified, would unfairly affect the competitive position of other bidders presenting substantially responsive bids.

29.4 The Purchaser shall examine all aspects of the Bid to confirm that all requirements have been met without any material deviation, reservation or omission.

29.5 If a Bid is not substantially responsive, it may be rejected by the Purchaser and may not subsequently be made responsive by correction or withdrawal of the material deviation, reservation or omission.

30 CORRECTION OF ERRORS:

30.1 Bids determined to be substantially responsive will be checked by the Purchaser for any arithmetic errors. Errors in Price Schedule/SOR will be corrected by the Purchaser as follows:

(i) When there is a difference between the rates in figures and words, the rate which corresponds to the amount worked out by the Bidder (i.e. by multiplying the quantity and rate) shall be taken as correct.

(ii) When the rate quoted by the Bidder in figures and words tallies but the amount is incorrect, the rate quoted by the contractor shall be taken as correct and not the amount and the amount shall be re-calculated/ corrected accordingly.

(iii) When it is not possible to ascertain the correct rate, in the manner prescribed above, the rate as quoted in words shall be adopted and the amount worked out, for comparison purposes

30.2 The amount stated in the Bid will be adjusted by the Purchaser in accordance with the above procedure for the correction of errors. If the Bidder does not accept the corrected

amount of Bid, its Bid will be rejected, and ~~the EMD shall be forfeited /~~ actions shall be invoked as per Declaration for Bid Security.

31 CONVERSION TO SINGLE CURRENCY FOR COMPARISON OF BIDS:

Not Applicable. All bids submitted must be in the currency specified at clause 14 of ITB.

32 EVALUATION AND COMPARISON OF BIDS:

Bid shall be evaluated as per Evaluation Methodology mentioned in Section-II of Tender Document on lowest bid basis.

In case of a tie at the lowest bid (L1) position between two or more bidders, the order/LOA will be placed on the bidder who has higher/ highest turnover in last audited financial year.

In case there is a tie at the lowest bid (L1) position between only startup bidders and none of them has past turnover, the order/LOA will be placed on the startup who is registered earlier with Department for Promotion of Industry and Internal Trade.

33 QUANTITY VARIATION:

33.1 Where nature of items is such that the items cannot be supplied in exact quantity of the Purchase Order as in case of cables/ steel/ chemicals etc., quantity tolerance upto ± 5% may be allowed, if there is no specific quantity variation/ tolerance criteria in SCC. For such tolerance, separate amendment to Purchase Order would not be necessary.

33.2 The Purchaser reserves the right to delete the requirement of any one or more items of Tender Document without assigning any reason.

34 PURCHASE PREFERENCE:

Purchase preference to Central Government Public Sector Undertaking, Micro & Small Enterprises (MSEs) and Domestically Manufactured Electronic Products / Telecom Products etc. shall be allowed as per Government instructions in vogue, as applicable from time to time.

[F] – AWARD OF CONTRACT

35 AWARD:

Subject to "ITB: Clause-29.0", BCPL will place order to the successful Bidder whose Bid has been determined to be substantially responsive and has been determined as the lowest provided that Bidder, is determined to be qualified to satisfactorily perform the Contract.

"BCPL intent to place the order/contract directly on the address from where Goods are produced/dispatched OR Services are rendered. In case, bidder wants order/ contract at some other address or supply of Goods/ Services from multiple locations, bidder is required to provide in their bid, the address on which order is to be placed".

BCPL will place the Purchase Order/Contract directly on the successful bidder from whom the bid has been received & evaluated and will not place order on other entities such as subsidiary, business associate or partner, dealer/distributor etc. of the Bidder.

36 NOTIFICATION OF AWARD / FAX OF ACCEPTANCE [FOA]:

36.1 Prior to the expiry of 'Period of Bid Validity', Notification of Award for acceptance of the Bid will be intimated to the successful Bidder by BCPL either by E - mail /Letter or like means defined as the "Fax of Acceptance (FOA)". The Contract shall enter into force on the date of FOA and the same shall be binding on BCPL and successful Bidder (i.e. Supplier/Seller). The Notification of Award/FOA will constitute the formation of a Contract. The detailed Purchase Order /Contract shall be issued thereafter incorporating terms & conditions of Tender Document, Corrigendum, Clarification(s), Bid and agreed variation(s)/acceptable deviation(s), if any. BCPL may choose to issue Notification of Award in form of detailed Purchase Order without issuing FOA and in such case the Contract shall enter into force on the date of detailed Purchase Order only.

36.2 Contract/ Delivery/Completion Period shall commence from the date of Notification of Award/FOA or as mentioned therein.

36.3 Upon the successful Bidder's / Supplier's furnishing of 'Contract Performance Security / Security Deposit', pursuant to "ITB: Clause-38", BCPL will promptly discharge his EMD, pursuant to "ITB: Clause-16".

36.4 The order value is subject to Price Reduction Schedule (PRS) clause.

37.0 DISPATCH SCHEDULE:

37.1 If Purchase Order issued based on FOT (Free on Truck) / FOR (Free on Rail) project site basis, materials shall be delivered at the destination on freight prepaid & door delivery basis and for the cases where order(s) are finalized on Ex-works basis the transportation will be arranged by supplier(s) / BCPL on 'freight to pay' basis and the freight will be paid at the destination.

Seller shall submit the following details of goods/cargo within 15 days from Notification of Award to the designated authority as per Purchase Order:

(i) Shipments Schedule
(ii) Dimension details of packages
(iii) Detailed technical write-up along with Catalogue (if applicable)
(iv) Any other document/details, if mentioned in Purchase Order

37.2 The consignment should be handed over to transporter with E-way bill, wherever required as per law/act. In case such e-way bill is required to be issued by BCPL, the concerned designated order issuing authority may be contacted in this regard. It will be the responsibility of the supplier to ensure the compliance of the provisions relating to E-Way bill before dispatch of the consignment and any financial implication arising due to non-compliance in this regard will be to the account of the supplier.

37.3 It shall be responsibility of the seller to send intimation immediately on dispatch of the material so that necessary arrangements can be made at site. Delays on account of the same shall solely be attributable to the Supplier.

37.4 Wherever, part shipment is allowed (refer BDS), the Supplier is allowed to make part shipment. However, until specified elsewhere in Tender Document, Payment for such part supplied Goods shall be made after supply of complete quantity of respective item.

38 CONTRACT PERFORMANCE SECURITY / SECURITY DEPOSIT:

38.1 Within 30 days of the receipt of the notification of award/ FOA from BCPL, the successful Bidder shall furnish the Contract Performance Security/Security Deposit (CPS) in accordance with of General Conditions of the Contract. The CPS shall be in the form of either Banker's Cheque or Demand Draft or Bank Guarantee or Letter of Credit and shall be in the currency of the Contract. However, CPS shall not be applicable in cases wherein the individual order value as specified in Notification of Award is less than INR 5 Lakh (exclusive GST).

38.2 The CPS shall be for an amount as specified in BDS towards faithful performance of the contractual obligations and performance of equipment/material. For the purpose of CPS, Contract/Order Value shall be exclusive of **GST (CGST & SGST/UTGST or IGST)**.

Bank Guarantee towards CPS shall be from any Indian scheduled bank or a branch of an International bank situated in India and registered with Reserve bank of India as scheduled foreign bank. However, in case of bank guarantees from banks other than the Nationalized Indian banks, the bank must be a commercial bank having net worth in excess of Rs 100 crores and a declaration to this effect should be made by such commercial bank either in the Bank Guarantee itself or separately on its letterhead.

38.3 Failure of the successful Bidder to comply with the requirements of this article shall constitute sufficient grounds for the annulment of the award and ~~forfeiture of the EMD~~/ action as per declaration for Bid Security.

38.4 Further, Ministry of Finance (MOF) Department of financial service has issued direction for submission of Bank Guarantee through online vide letter ref number F.No.7/112/2011-BOA dated 17th July 2012. The successful bidder can submit CPS

online through issuing bank to BCPL directly as per the above direction including its revisions, if any. In such cases confirmation will not be sought from issuing banker by BCPL.

38.5 The successful bidder can also submit the SD/CP G through online banking transaction i.e. IMPS/NEFT/RTGS/SWIFT etc. For this purpose, the details of BCPL's Bank Account is mentioned in BDS. Further, in case a successful Bidder is willing to furnish SD/CPS through SWIFT, the details may be obtained from Purchase Officer immediately after receipt of FOA.

While remitting such online transaction, the bidder must indicate "Security Deposit/ Contract Performance Guarantee against FOA/DLOA/PO no. _____ (contractor/ vendor to specify the FOA/DLOA/PO No.)" under remarks column of such transaction on respective bank portal. The contractor/vendor shall be required to submit the successful transaction details to the dealing officer immediately through email/letter and necessarily within 30 days from the date of Fax of Acceptance.

38.6 In case of forfeiture of Contract Performance Security/ Security Deposit in terms of GCC, the forfeited amount will be considered inclusive of tax and tax invoice will be issued by BCPL. The forfeiture amount will be subject to final decision of BCPL based on other terms and conditions of order.

38.7 CPS/Security Deposit will not be accepted in case the same has reference of 'remitter'/'financer' other than bidder on the aforementioned financial instrument of CPS/ Security Deposit submitted by the Supplier.

39 PROCEDURE FOR ACTION IN CASE CORRUPT/ FRAUDULENT /COLLUSIVE/ COERCIVE PRACTICES:

39.1 Procedure for action in case Corrupt/ Fraudulent/Collusive/Coercive Practices is enclosed at Annexure-I.

~~39.2 The Fraud Prevision Policy document is available on BCPL's website (www.bcplonline.co.in).~~

~~39.3 Name and contact details of nodal officer- refer BDS:~~

3.94 NON-APPLICABILITY OF ARBITRATION CLAUSE IN CASE OF BANNING OF VENDORS/ SUPPLIERS / CONTRACTORS/ BIDDERS/ CONSULTANTS INDULGED IN FRAUDULENT/ COERCIVE PRACTICES

Notwithstanding anything contained contrary in GCC or elsewhere in the Purchase Order, in case it is found that the Bidder/ Supplier indulged in fraudulent/ coercive practices at the time of bidding, during execution of the Contract and/or on other grounds as mentioned in BCPL's "Procedure for action in case Corrupt/ Fraudulent/ Collusive/Coercive Practices" (Annexure-I), the Bidder/Supplier shall be banned (in

terms of aforesaid procedure) from the date of issuance of such order by BCPL, to such Bidder/Supplier.

The Bidder /Supplier / understands and agrees that in such cases where Bidder /Supplier has been banned (in terms of aforesaid procedure) from the date of issuance of such order by BCPL, such decision of BCPL shall be final and binding on the Bidder /Supplier and the 'Arbitration Clause' mentioned in the GCC or elsewhere in the Purchase Order shall not be applicable for any consequential issue /dispute arising in the matter.

40 PUBLIC PROCUREMENT POLICY FOR MICRO AND SMALL ENTERPRISES (MSE):

40.1 Following provision has been incorporated for Micro and Small Enterprises (MSE), in line with notification of Government of India, vide Gazette of India No. 503 dated 26.03.2012 proclaiming the Public Procurement Policy on procurement of goods and services from MSEs.

i) Issue of tender document to MSEs free of cost.

ii) Exemption to MSEs from payment of EMD.

iii) In Tender participating Micro and Small Enterprises quoting price within the price band of L1 + 15% shall also be allowed to supply a portion of requirement by bringing down their prices to L1 price in a situation where L1 price is from someone other than a micro and small enterprise and such micro and small enterprises shall be allowed to supply upto 25% of the total tendered value. In case of more than one such Micro and Small Enterprises, the supply shall be shared proportionately (to tendered quantity). Further, out of above 25%, 4% shall be reserved for MSEs owned by SC/ST entrepreneurs. Further, 3% shall be reserved for MSEs owned by women within 25% reservation. The respective quota(s) shall be transferred to other MSEs in case of non-availability of MSEs owned by SC/ST entrepreneurs/MSEs owned by Women.

The quoted prices against various items shall remain valid in case of splitting of quantities of the items above.

In case tendered item is non-splitable or non- dividable (specified in Bid Data Sheet) , MSE quoting price within price band L1 (other than MSE) + 15% , may be awarded for full/ complete supply of total tendered value subject to matching of L1 price.

40.2 The MSE(s) owned by SC/ST Entrepreneurs shall mean:-

a) In case of proprietary MSE, Proprietor(s) shall be SC/ST.

b) In case of partnership MSE, the SC/ST partners shall be holding atleast 51% share in the unit

c) In case of private Limited Companies, at least 51% share is held by SC/ST. If the MSE is owned by SC/ST Entrepreneurs, the bidder shall furnish appropriate documentary evidence in this regard.

The MSE(s) owned by Women shall mean:-

a) In case of proprietary MSE, Proprietor(s) shall be Women.
b) In case of partnership MSE, the Women partners shall be holding atleast 51% share in the unit
c) In case of private Limited Companies, at least 51% share is held by Women. If the MSE is owned by Women Entrepreneurs, the bidder shall furnish appropriate documentary evidence in this regard.

40.3 In case Bidder is a Micro or Small Enterprise, the Bidder shall submit the following:

(i) Ministry of MSME vide Gazette notification no. CG-DL-E-26062020-220191 dated 26.06.2020 had notified certain criteria for classifying the enterprises as Micro, Small and Medium Enterprises and specified form and procedure for filing the memorandum (Udyam Registration) w.e.f. 01.07.2020 (for complete details of policy refer website of Ministry of MSME i.e. https://msme.gov.in/).

Accordingly, Micro and Small Enterprises (MSEs) shall be required to submit Udyam Registration Certificate for availing benefit under Public Procurement Policy for MSEs-2012.

(ii) An enterprise registered prior to 30.06.2020 and who is not re-registered with Udyam Registration, shall continue to be valid for a period upto 31.03.2022. Such enterprise shall submit EM Part-II or Udyog Aadhaar Memorandum (UAM) for availing benefits of PPP-2012.

The above document(s) submitted by the Bidder shall be duly certified by the Chartered Accountant (not being an employee or a Director or not having any interest in the bidder's company/firm) and notary public with legible stamp.

If the bidder does not provide the above confirmation or appropriate document or any evidence, then it will be presumed that they do not qualify for any preference admissible in the Public Procurement Policy (PPP) 2012.

The Public Procurement Policy for MSEs is meant for procurement of only goods produced & Services rendered by MSEs. The benefit of policy are not extended to the traders/dealers/ Distributors/Stockiest/Wholesalers.

40.4 If against an order placed by BCPL, successful Bidder(s) (other than Micro/Small Enterprise) is procuring material/services from their sub-vendor who is a Micro or Small Enterprise as per provision mentioned at clause no.40.3 above with prior consent in writing from BCPL, the details like Name, Registration No., Address, Contact No. details of material & value of procurement made, etc. of such Enterprises shall be furnished by the successful Bidder at the time of submission of invoice/Bill.

40.5 Further, MSEs who are availing the benefits of the Public Procurement Policy (PPP) 2012 get themselves registered with MSME Data Bank being operated by NSIC, under SME Division, M/o MSME, in order to create proper data base of MSEs which are making supplies to CPSUs.

40.6 NSIC has initiated a scheme of "Consortia and Tender Marketing Scheme" under which they are assisting the Micro & Small enterprises to market their products and services through tender participation on behalf of the individual unit or through consortia.

Accordingly, if the MSEs or the consortia, on whose behalf the bid is submitted by NSIC, is meeting the BEC and other terms and conditions of tender their bid will be considered for further evaluation.

Further, in such cases a declaration is to be submitted by MSE/ consortia on their letter head (s) that all the terms and conditions of tender document shall be acceptable to them.

40.7 It may be noted that Government of India has implemented Trade Receivable Discounting System (TreDS) to address challenges faced by MSMEs in delayed payments (after receipt/acceptance of Material/Services) from Government buyers leading to shortfall of Working Capital. TreDS is an online electronic institutional mechanism for facilitating the financing of trade receivables of MSMEs through multiple financiers. BCPL is already registered on the following TreDS platform:

- M/s A. TREDS (Invoicemart), Mumbai

MSME Bidders are required to register on the TreDS platform. The MSME vendors can avail the TReDS facility, if they want to.

40.8 Interest payment on delayed payments to MSME is payable in line with Micro, Small and Medium Enterprises Development Act, 2006.

41 PACKING INSTRUCTIONS:

41.1 Packing shall be strong and sturdy such that it can withstand loading/unloading & pushing by mechanical devices. All packaging shall be done in such a manner as to reduce volume and weight as much as possible without jeopardizing the safety of the material. All packing materials shall be new.

41.2 Fragile articles should have special packing materials depending on type of materials.

41.3 All soft and delicate surfaces on equipment/material should be carefully protected / painted with suitable coating and wrapped to prevent rusting and damage. All mechanical and electrical equipment and other heavy articles should be securely fastened to the bottom of the case, to avoid damage.

41.4 Attachments and spare parts of equipment and all small pieces shall be packed separately in wooden cases with adequate protection inside the case and sent along with main equipment.

Each item shall be tagged so as to identify it with the main equipment and part number and reference number shall be indicated.

41.5 All protrusions shall be suitably protected and openings shall be blocked by wooden/steel covers as may be required.

41.6 Detailed case wise packing list in water proof envelope shall be inserted in each package together with equipment/material. One copy of 'Detailed Packing List' shall be fastened outside of the package in waterproof envelope and covered by metal cover.

41.7 Each package shall be marked on three sides with proper paints/indelible waterproof ink as follows:

PURCHASER:

DESTINATION:

Purchase Order No….....

Net Wt.....……..... Kgs,

Gross Wt..... Kgs.

Dimensions.....X.....X.....CM.

Package No. (Sl. No. of total packages).....

Seller's Name.....

41.8 Permits are to be obtained separately for entry/use of vehicles/trailers etc. inside the plant. The following requirements are to be met to obtain vehicle permit:-

a) Vehicle/Equipment etc. should be brought to site in good conditions.

b) Valid Road Tax Certificate, fitness certificate and insurance policy from Competent Authority

c) Valid operating/driving license of driver/operator

d) Any other requirement mentioned elsewhere in Tender Document

42 VENDOR PERFORMANCE EVALUATION:

The procedure for evaluation of performance of Supplier containing provisions for putting a Bidder / Supplier on suspension and/or holiday list (as the case may be) is enclosed as Annexure II to ITB herewith.

43. MENTIONING OF PAN NO. IN INVOICE/BILL:

As per CBDT Notification No. 95/2015 dated 30.12.2015, mentioning of PAN no. is mandatory for transactions related to procurement of goods / services/ exceeding Rs.2Lacs per transaction or as amended from time to time.

Accordingly, Supplier should mention their PAN no. in their invoice/ bill for any transaction exceeding Rs.2 lakhs. As provided in the notification, in case Supplier do

not have PAN no., they have to submit declaration in Form 60 along with invoice/ bill for each transaction.

Payment of Supplier shall be processed only after fulfilment of above requirement.

44. DISPUTE RESOLUTION

1. PRE-LITIGATION GRIEVANCE/DISPUTE REDRESSAL MECHANISM:

i) Any issue should be first referred to EIC (for LOA/contracts)/Dealing C&P Executive (for Purchase Orders).

(ii) In case issue is not resolved by above, Vendor/Supplier/Contractor/Consultant may submit their issue to "Samadhan Committee". The same will be addressed by Samadhan Committee within 15days from the date of issue raised.

(iii) In case, Vendor/Supplier/ Contractor/Consultant is not satisfied with the decision of the Samadhan Committee, there is a provision of escalation of issue to higher authority in BCPL. This option is available two times only, one is at Chief General Manager (O&M) and the other one is Chief Operating Officer.

(iv) However, in case no mutual settlement is arrived at after exercising all pre-litigation grievance/dispute redressal mechanism as above, the matter shall be settled by arbitration in accordance with the provision of arbitration of the Indian Arbitration & Conciliation Act, 1996 and any statutory modification or re-enactment thereof and the Rules made there under and for the time being in force as stated below:

2. ARBITRATION

All issue(s)/dispute(s) excluding the matters that have been specified as excepted matters and listed at clause no. 2.6 and which cannot be resolved through pre-litigation grievance/dispute redressal mechanism, such issue(s)/dispute(s) shall be referred to arbitration for adjudication by Sole Arbitrator.

The party invoking the Arbitration shall have the option to either opt for Ad-hoc Arbitration as provided at Clause 2.1 below or Institutionalized Arbitration as provided at Clause 2.2 below, the remaining clauses from 2.3 to 2.7 shall apply to both Ad-hoc and Institutional Arbitration:-

2.1 On invocation of the Arbitration clause by either party, BCPL shall suggest a panel of three independent and distinguished persons (Retd. Supreme Court & High Court Judges only) to the other party from the Panel of Arbitrators maintained by 'Delhi International Arbitration Centre (DIAC) to select any one among them to act as the Sole Arbitrator. In the event of failure of the other party to select the Sole Arbitrator within 30 days from the receipt of the communication from BCPL suggesting the panel of arbitrators, the right of selection of the sole arbitrator by the other party shall stand forfeited and BCPL shall appoint the Sole Arbitrator from the suggested panel of three Arbitrators for adjudication of dispute(s).

The decision of BCPL on the appointment of the sole arbitrator shall be final and binding on the other party. The fees payable to Sole Arbitrator shall be governed by the fee Schedule of ‘‘Delhi International Arbitration Centre’.

OR

2.2 If a dispute arises out of or in connection with this contract, the party invoking the Arbitration shall submit that dispute to any one of the Arbitral Institutions i.e ICADR/ICA/DIAC/SFCA and that dispute shall be adjudicated in accordance with their respective Arbitration Rules. The matter shall be adjudicated by a Sole Arbitrator who shall necessarily be a Retd. Supreme Court/High Court Judge to be appointed/nominated by the respective institution. The cost/expenses pertaining to the said Arbitration shall also be governed in accordance with the Rules of the respective Arbitral Institution. The decision of the party invoking the Arbitration for reference of dispute to a specific Arbitral institution for adjudication of that dispute shall be final and binding on both the parties and shall not be subject to any change thereafter. The institution once selected at the time of invocation of dispute shall remain unchanged.

2.3 The cost of arbitration proceedings shall be shared equally by the parties.

2.4 The Arbitration proceedings shall be in English language and the seat, venue and place of Arbitration shall be New Delhi, India only.

2.5 Subject to the above, the provisions of Arbitration & Conciliation Act 1996 and any amendment thereof shall be applicable. All matter relating to this Contract and arising out of invocation of Arbitration clause are subject to the exclusive jurisdiction of the Court(s) situated at New Delhi.

2.6 List of Excepted matters:

a) Dispute(s)/issue(s) involving claims below Rs.25 lakhs and above Rs.25 crores.

b) Dispute(s)/issue(s) relating to indulgence of Contractor/Vendor/Bidder in corrupt/fraudulent/ collusive/coercive practices and/or the same is under investigation by CBI or Vigilance or any other investigating agency or Government.

c) Dispute(s)/issue(s) wherein the decision of Engineer-In-Charge/owner/BCPL has been made final and binding in terms of the Contract.

2.7. Disputes involving claims below Rs 25 Lakhs and above Rs. 25 crores:- Parties mutually agree that dispute(s)/issue(s) involving claims below Rs 25 Lakhs and above Rs 25 crores shall not be subject matter of Arbitration and are subject to the exclusive jurisdiction of the Court(s) situated at Dibrugarh.

3. GOVERNING LAW AND JURISDICTION:

The Contract shall be governed by and construed in accordance with the laws in force in India. The Parties hereby submit to the exclusive jurisdiction of the Competent Courts of Dibrugarh having territorial & pecuniary jurisdiction for adjudication of disputes, injunctive reliefs, actions and proceedings, if any, arising out of this Contract other than those covered under the arbitration clause as stated herein above.

45. DISPUTES BETWEEN CPSE'S/ GOVERNMENT DEPARTMENT'S/ ORGANIZATIONS:

Subject to pre litigation grievance/dispute redressal mechanism as provided above, in the event of any dispute or difference relating to the interpretation and application of the provisions of commercial contract(s) between Central Public Sector Enterprises (CPSEs/ Port Trusts inter se and also between CPSEs and Government Departments /Organizations (excluding disputes concerning Railways, Income Tax, Customs & Excise Departments), such dispute or difference shall be taken up by either party for resolution through AMRCD as mentioned in OPE OM No. 4(1)/2013-DPE(GM)/FTS-1835 dated 22-05-2018.

Any party aggrieved with the decision of the Committee at the First level (tier) may prefer an appeal before the Cabinet Secretary at the Second level (tier) within 15 days from the date of receipt of decision of the Committee at First level, through it's administrative Ministry/Department, whose decision will be final and binding on all concerned.

The above provisions shall supersede provisions relating to Conciliation, Arbitration, Governing Law & Jurisdiction and Disputes between CPSE's/ Government Department's/ Organizations mentioned in General Conditions of Contract (GCC) and elsewhere in tender document.

46 **REPEAT ORDER:**

PURCHASER reserves the right, within 6 months of order to place repeat order upto 50% of the original ordered quantity (s) without any change in unit price or other terms and conditions.

47 **PROMOTION OF PAYMENT THROUGH CARDS AND DIGITAL MEANS:**

To promote cashless transactions, the onward payments by Suppliers to their employees, service providers, sub-contractors and suppliers may be made through Cards and Digital means to the extent possible.

48 **PROVISIONS FOR STARTPUS (AS DEFINED IN GAZETTE NOTIFICATION NO. D.L-33004/99 DATED 18.02.2016 AND 23.05.2017 OF MINISTRY OF COMMERCE AND INDUSTRY AND AS AMENDED FROM TIME TO TIME) (FOR APPLICABILITY REFER BDS)**

As mentioned in Section-II, Prior turnover and prior experience shall not be required for all Startups [whether Micro & Small Enterprises (MSEs) or otherwise] subject to their meeting the quality and technical specifications specified in tender document and submission of document specified in Section-II.

Further, the Startups are also exempted from submission of EMDs, if applicable.

If a Startup [whether Micro & Small Enterprises (MSEs) or otherwise] gets qualified without turnover and experience criteria specified in tender and emerges lowest bidder, the order on such Startup shall be placed for entire tendered quantity.

However, before supplying the total quantity, the startup enterprise shall first demonstrate its performance by supplying 10% of total ordered quantity (rounded off to the next higher digit in terms of Unit of Measurement (UoM), wherever required) and only after successful execution of this quantity the balance 90% quantity will be cleared for supply. In case, the demonstration of performance fails, the entire order will be canceled without any financial implication on either side.

49 PROVISION REGARDING INVOICE FOR REDUCED VALUE OR CREDIT NOTE TOWARDS PRS

PRS is the reduction in the consideration / contract value for the goods / services covered under this contract. In case of delay in supply/ execution of contract, supplier should raise invoice for reduced value as per Price Reduction Schedule Clause (PRS clause). If supplier has raised the invoice for full value, then supplier should issue Credit Note towards the applicable PRS amount with applicable taxes.

In such cases if supplier fails to submit the invoice with reduced value or does not issue credit note as mentioned above, BCPL will release the payment to supplier after giving effect of the PRS clause with corresponding reduction of taxes charged on vendor's invoice, to avoid delay in delivery/collection of material.

In case any financial implication arises on BCPL due to issuance of invoice without reduction in price or non-issuance of Credit Note, the same shall be to the account of supplier. BCPL shall be entitled to deduct / setoff / recover such GST amount (CGST & SGST/UTGST or IGST) together with penalties and interest, if any, against any amounts paid or becomes payable by BCPL in future to the Supplier under this contract or under any other contract.

50 UNIQUE DOCUMENT IDENTIFICATION NUMBER BY PRACTICING CHARTERED ACCOUNTANTS

Practicing Chartered Accountants shall generate Unique Document Identification Number (UDIN) for all certificates issued by them as per provisions of Tender Document.

However, UDIN may not be required for documents being attested by Chartered Accountants in terms of provisions of Tender Document.

51 PROVISION W.R.T. TDS ON PURCHASE OF GOODS UNDER SECTION 194Q OF INCOME TAX ACT

51.1 TDS as applicable will be deducted by BCPL under section 194Q of the Income Tax Act, 1961 on Purchases exceeds Rs. 50 Lakhs or limit defined therein from time to time during the financial year.

51.2 Since BCPL is liable to deduct Income Tax TDS under section 194Q, the provision of TCS as per section 206C(1H) of the Income Tax Act, 1961 shall not be applicable.

51.3 **Higher rate of TDS for non-filers of ITR**

As per Section 206AB of Income Tax Act, 1961, in case of any vendor/supplier who does not filed their Income Tax Return for both of the two previous years preceding to current year and aggregate amount of TDS is more than or equal to 50,000/- in each of those previous two years (or limit defined by Govt. from time to time), then TDS will be deducted at the higher of following rates:

(I) Twice the rate mentioned in relevant TDS section.

(II) Twice the rate or rates in force

(III) 5%

.....

Annexure-A

Eligibility criteria in case bid is submitted on the basis of technical experience of FOREIGN BASED ANOTHER COMPANY (SUPPORTING COMPANY) which holds more than 50% of the paid up share capital of the bidding company or vice versa:

(a) Offers of those bidders (not under consortium arrangement) who themselves do not meet the technical experience criteria as stipulated in the BEC and are quoting based on the experience of Foreign based another company (Supporting Company) can also be considered. In such case the supporting company should hold more than 50% of the paid up share capital of the bidding company or vice versa.

(b) However, the supporting company should on its own meet the technical experience as stipulated in the BEC and should not rely on any other company or through any other arrangement like Technical collaboration agreement.

(c) In that case as the bidding company is dependent upon the technical experience of another company with a view to ensure commitment and involvement of the companies involved for successful execution of the contract, the participating bidder should enclose the following Agreements/ Guarantees/ Undertakings along with the techno-commercial bid:

i) An Agreement (as per format enclosed at Appendix-A1) between the bidder and the Supporting Company.

ii) Guarantee (as per format enclosed at Appendix-A2) by the Supporting Company to BCPL for fulfilling the obligation under the Agreement.

iii) Undertaking by Supporting Company to provide a Performance Bank Guarantee (as per format and instructions enclosed at Appendix-A3), equivalent to 50% of the value of the PBG which is to be submitted by the bidding company, in case of being the successful bidder.

In cases where foreign based Supporting Company does not have Permanent Establishment in India as per Indian Income Tax Act, the bidding company can furnish Performance Bank Guarantee for an amount which is sum of PBG amount to be submitted by the bidder and additional PBG amount required to be submitted by the supporting company subject to the condition that supporting company have 100% paid up equity share capital of the bidder either directly or through intermediate subsidiaries or vice versa. In such case bidding company shall furnish an undertaking that their foreign based supporting company is not having any Permanent Establishment in India in terms of Income Tax Act of India.

iv) Undertaking from the Supporting Company to the effect that in addition to invoking the PBG submitted by the bidding company, the PBG provided by Supporting Company shall be invoked by BCPL due to non-performance of the bidding company.

Note:

- In case Supporting Company fails to submit Bank Guarantee as per (iii) above, EMD/SD submitted by the bidder shall be forfeited.

- The Financial BEC of tender is to be met by bidder on their own.

(x) Exchange rate for Conversion of Currency for evaluation of documents submitted by bidders for BEC which are in other currency than specified in BEC shall be as follows:

(a) **BEC (Technical):** Bill Selling (foreign exchange) Rate of State Bank of India as prevailing on the date of award of order/contract submitted by bidder.

In case, the SBI Selling rate is not available as on the date of conversion as specified above for respective cases, the exchange rate for conversion of currency shall be taken from the internet, such as:
https://www.xe.com/currencyconverter
https://economictimes.indiatimes.com/markets/forex/currency-converter
https://www.oanda.com/currency/converter

Appendix-A1 to Annexure-A

FORMAT OF AGREEMENT TO BE EXECUTED BETWEEN BIDDER AND THEIR FOREIGN BASED SUPPORTING COMPANY ON INDIAN STAMP PAPER OF REQUISITE VALUE DULY NOTARIZED

This agreement made this ___ day of ____ month ____ year by and between M/s. _____ (Fill in Bidder's full name, constitution and registered office address) _____ hereinafter referred to as bidder on the first part and M/s. _____ (Fill in full name, constitution and registered office address company which hold more than fifty percent of the paid up share capital of the bidding company or vice versa) hereinafter referred to as "Supporting Company" of the second part.

Whereas

M/s Brahmaputra Cracker and Polymer Ltd. (hereinafter referred to as BCPL) has invited offers vide their tender No. _____ for _____and M/s. _____ (Bidder) intends to bid against the said tender and desires to have technical support of M/s. _____ [Supporting Company]. And whereas Supporting Company represents that they have gone through and understood the requirements of the subject tender and are capable and committed to provide the services as required by the bidder for successful execution of the contract, if awarded to the bidder.

Now, it is hereby agreed to by and between the parties as follows:

a) M/s._____ (Bidder) will submit an offer to BCPL for the full scope of work as envisaged in the tender document as a main bidder and liaise BCPL directly for any clarifications etc. in this context.
b) M/s. _____ [Supporting Company] undertakes to provide technical support and expertise, expert manpower and project management including financial support, if so required, to the bidder to discharge its obligations as per the Scope of Work of the tender / Contract for which offer has been made by the bidder and accepted the BCPL.
c) The Bidder/ Supporting Company holds more than 50% paid up equity capital of the Supporting Company/ Bidder.
d) This agreement will remain valid till validity of bidder's offer to BCPL including extension if any and till satisfactory performance of the contract, the same is awarded by BCPL to the bidder.
e) Supporting Company undertakes that this agreement shall remain enforceable even if their stake in Bidder is diminished during the execution of works under the contract between the Bidder and BCPL.
f) The bidder shall have the overall responsibility of satisfactory execution of the contract awarded by BCPL, however without prejudice to any rights that BCPL might have against the Supporting Company.
g) It is further agreed that, if contract pursuant to Supporting Company shall be jointly and severely responsible to BCPL for the performance of works during contract period and for the satisfactory execution of the contract, and for all the consequences for non-performance thereof.

In witness whereof the parties hereto have executed this agreement on the date mentioned above.

For and on behalf of (Bidder) M/s.	For and on behalf of (Supporting Company) M/s.
Witness:	Witness:
1)	1)
2)	2)

Appendix-A2 to Annexure-A

GUARANTEE BY THE FOREIGN BASED SUPPORTING COMPANY/ GUARANTOR

THIS DEED OF GUARANTEE executed at …….. this …….. day of …… by M/s …… (mention complete name) a company duly established and existing under the laws of ……(insert country), having its Registered Office at …… hereinafter called "the Guarantor and/ or the Supporting Company" which expression shall, unless excluded by or repugnant to the subject or context thereof, be deemed to include its successors and permitted assignees.
FOR

M/s …… (bidder) a company duly established and existing under the laws of ……. (insert country), having its Registered Office at …… hereinafter called the "Bidder" which expression shall, unless excluded by or repugnant to the subject or context thereof, be deemed to include its successors and permitted assignees.

TOWARDS

M/s **Brahmaputra Cracker and Polymer Ltd., Lepetkata**, a company duly registered under the law of India having its Registered Office at 1st Floor, House No 6, Bhuban Road, Uzanbazar, Guwahati Assam, Pin-781001, and having Purchase center at …… hereinafter called "BCPL" which expression shall unless excluded by or repugnant to the context thereof, be deemed to include its successor and assignees

WHEREAS BCPL has invited tender number …… for …….. on …….., and the bidder has submitted it bid number…… in response to the above mentioned tender invited by BCPL. AND WHEREAS the bidder/ Guarantor Company holds more than 50% paid up equity capital of the Supporting Company/ Bidder.

AND WHEREAS one of the condition for acceptance of Bidder's bid against said tender is that in case the bidder is seeking to qualify upon the technical credentials of its Guarantor Company, then the bidder shall arrange a guarantee from its Guarantor Company guaranteeing due and satisfactory performance of the work covered under the said tender including any change therein as may be deemed appropriate by the BCPL at any stage.

The Guarantor represents that they have gone through and understood the requirement of the above said tender and are capable of and committed to provide technical and such other supports as may be required by the Bidder for successful execution of the same.

The Bidder and the Guarantor have entered into an agreement dated …… as per which the Guarantor shall be providing technical, financial and such other supports as may be necessary for performance of the work under the tender, if the contract is awarded to the Bidder.

Accordingly, at the request of the Bidder and in consideration of and as a requirement for the BCPL to enter into agreement(s) with the Bidder, the Guarantor hereby guarantees and undertakes that upon award of Contract to Bidder against bid number ……., made by the Bidder under tender number……:

1. The Guarantor unconditionally agrees that in case of non-performance by the Bidder of any of its obligations in any respect, the Guarantor shall, immediately on receipt of notice of demand by the BCPL, take up the job without any demur or objection, in continuation and without loss of time and

without any cost to the BCPL and duly perform the obligations of the Bidder to the satisfaction of the BCPL.

2. The Guarantor agrees that the Guarantee contained herein shall remain valid till the satisfactory execution and completion of the work (including discharge of the warranty obligations) awarded to the Bidder.

3. The Guarantor shall be jointly and severally responsible to BCPL for satisfactory performance of works during contract period and for the satisfactory execution of the contract, and for all consequences for non-performance thereof.

4. The liability of the Guarantor, under the Guarantee, is limited of the Bidder for non-performance under the contract entered between BCPL and the Bidder. This will, however, be in addition to the forfeiture of the Performance and Advance Guarantees furnished by the Bidder.

5. The Guarantor agrees to execute a Corporate Guarantee in favour of BCPL, guaranteeing the performance of obligations by the Bidder, in case the Contract is awarded to the Bidder by BCPL.

6. The Guarantor represents that this Guarantee has been issued after due observance of the appropriate laws in force in India. The Guarantor hereby undertakes that the Guarantor shall obtain and maintain in full force and effect all the governmental and other approvals and consents that are necessary and do all other acts and things necessary or desirable in connection therewith or for the due performance of the Guarantor's obligations towards BCPL.

7. Any dispute arising out of or in connection with this contract, including any question regarding its existence, validity or termination, shall be referred to and finally resolved by arbitration. It is further agreed that Claims by and against the Guarantor, the Bidder and BCPL under the different contract to be entered pursuant to their relationship can be brought under a single reference and there shall be no bar on the consolidation of such proceedings before the same arbitral tribunal. The governing law shall be the laws of India and seat of arbitration shall be New Delhi, India. The language of arbitration shall be English.

8. The Guarantor hereby declares and represents that this Guarantee has been given without any undue influence or coercion, and that the Guarantor has fully understood the implications of the same.

9. In case of award of contract to the bidder, the Guarantor shall provide Performance Bank Security to BCPL, equivalent to 50% of the value of Performance Bank Security to be submitted by the bidding company, in the prescribed format within 15 days from the date of Fax of Acceptance, as guarantee for performance by the bidder/contractor. The Guarantor hereby expressly agrees that if in the opinion of BCPL, the Bidder / Contractor has failed to perform its obligations under the contract in any manner, BCPL shall have unfettered right to invoke the said Bank guarantee. The guarantor hereby agrees that decision of BCPL about performance of the bidder / contractor shall be final and shall not be questioned by the Guarantor. Guarantor shall have no objection to invocation of the Performance Bank Guarantee submitted by the Guarantor OR (applicable, subject to meeting the conditions stipulated in BEC in respect of additional Performance Bank Security) In case of award of contract to the bidder, the bidder on behalf of the Guarantor shall provide additional Performance Bank Security to BCPL, equivalent to 50% of the value of Performance Bank Security to be submitted by the bidding company, in the prescribed format within 15 days from the date of Fax of Acceptance, as guarantee for performance by the bidder/contractor. The Guarantor hereby expressly agrees that if in the opinion of BCPL, the Bidder / Contractor has failed to perform its obligations under the contract in any manner, BCPL shall have unfettered right to invoke the said Bank guarantee. The Guarantor hereby agrees that decision of BCPL about performance of the bidder / contractor shall

be final and shall not be questioned by the Guarantor. Guarantor shall have no objection to invocation of the Performance Bank Security submitted by the Bidder on behalf The Guarantor represents and confirms that the Guarantor has the legal capacity, power and authority to issue this Guarantee and that giving of this Guarantee and the performance and observations of the obligations hereunder do not contravene any existing laws. (Strike through the clause whichever is not applicable)

10. The Guarantor represents and confirms that the Guarantor has the legal capacity, power and authority to issue this Guarantee and that giving of this Guarantee and the performance and observations of the obligations hereunder do not contravene any existing laws.

For & on behalf of (Supporting Company)
M/s _____
Signature_____
Name_____
Designation _____
official seal_____

Witness:

1.Signature_____
Full Name _____
Address_____

2.Signature_____
Full Name _____
Address_____

INSTRUCTIONS FOR FURNISHING GUARANTEE
1. The official(s) executing the guarantee should affix full signature(s) on each page.
2. Resolution passed by Board of Directors of the guarantor company authorizing the signatory(ies) to execute the guarantee, duly certified by Company Secretary should be furnished along with Guarantee.

Appendix-A2A to Annexure-A

CERTIFICATE ISSUED BY COMPANY SECRETARY OF THE GUARANTOR COMPANY

"Obligations contained in deed of guarantee No. _____ furnished against tender No. _____ are enforceable against the Guarantor Company and the same do not, in any way, contravene any law of the country of which the Guarantor Company is the subject."

The above certificate should be enclosed along with the Guarantee.

Appendix-A3 to Annexure-A

PROFORMA OF "BANK GUARANTEE" TOWARDS PERFORMANCE SECURITY BY FOREIGN BASED SUPPORTING COMPANY OF THE BIDDING COMPANY CONTRACT PERFORMANCE SECURITY / SECURITY DEPOSIT

(ON NON JUDICIAL STAMP PAPER OF APPROPRIATE VALUE)

To,
M/s Brahmaputra Cracker and Polymer Ltd.
_____

Dear Sir(s),

M/s. _____ having registered office at _____ (herein after called the "CONTRACTOR/ SUPPLIER/SERVICE PROVIDER" which expression shall wherever the context so require include its successors and assignees) have been placed/ awarded the job/work of _____ vide PO/LOA/FOA No. _____dated_____ (herein after called CONTRACT/ ORDER) for Brahmaputra Cracker and Polymer Ltd. having registered office at 1st Floor, House No 6, Bhuban Road, Uzanbazar, Guwahati Assam, Pin-781001 & project office at Administrative Building, BCPL, Lepetkata, Dibrugarh, Assam, PIN - 786006 (herein after called the "BCPL" which expression shall wherever the context so require include its successors and assignees).

Further, M/s _____ (Name of the Supporting company) having its registered/head office at _____ based on whose experience/technical strength, the CONTRACTOR/SUPPLIER/SERVICE PROVIDER has qualified for award of contract (hereinafter referred to as the 'SUPPORTING COMPANY') which expression shall, unless repugnant to the context or meaning thereof include all its successors, administrators, executors and assignees) has agreed to provide complete technical and other support to the CONTRACTOR/SUPPLIER/SERVICE PROVIDER for successful completion of the contract/order as mentioned above, entered between BCPL and the CONTRACTOR/SUPPLIER/SERVICE PROVIDER and BCPL having agreed that the 'SUPPORTING COMPANY' shall furnish to BCPL a performance guarantee for Indian Rupees/US$ ..... towards providing complete financial and other support to the CONTRACTOR/SUPPLIER/SERVICE PROVIDER for successful completion of the contract/order as mentioned above,

1. The said M/s._____ (Supporting Company) has approached us and at their request and in consideration of the premises we having our office at _____ have agreed to give such guarantee as hereinafter mentioned.

2. We (name of the bank) _____ registered under the laws of _____ having head/registered office at

_____(hereinafter referred to as "the Bank", which expression shall, unless repugnant to the context or meaning thereof, include all its successors, administrators, executors and permitted assignees) do hereby guarantee and undertake to pay immediately on first demand in writing any/all moneys to the extent of Indian Rs./US$ (in figures) _____ (Indian Rupees/US Dollars (in words)_____) without any demur, reservation, contest or protest and/or without any reference to the 'SUPPORTING COMPANY'. Any such demand made by BCPL on the Bank by serving a written notice shall be conclusive and binding, without any proof, on the bank as regards the amount due and payable, notwithstanding any dispute(s) pending before any Court, Tribunal, Arbitrator or any other authority and/or any other matter or thing whatsoever, as liability under these presents being absolute and unequivocal. We agree that the guarantee herein contained shall be irrevocable and shall continue to be enforceable until it is discharged by BCPL in writing. This guarantee shall not be determined, discharged or affected by the liquidation, winding up, dissolution or insolvency of the 'SUPPORTING COMPANY' and shall remain valid, binding and operative against the bank.

3. The Bank also agrees that BCPL at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor, in the first instance, without proceeding against the 'SUPPORTING COMPANY' and notwithstanding any security or other guarantee that BCPL may have in relation to the 'SUPPORTING COMPANY's liabilities.

4. The Bank further agrees that BCPL shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said CONTRACT/ORDER or to extend time of performance by the said CONTRACTOR/SUPPLIER/SERVICE PROVIDER from time to time or to postpone for any time or from time to time exercise of any of the powers vested in BCPL against the said CONTRACTOR/SUPPLIER/SERVICE PROVIDER and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said CONTRACTOR/SUPPLIER/SERVICE PROVIDER or for any forbearance, act or omission on the part of BCPL or any indulgence by BCPL to the said CONTRACTOR(s) or any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

5. The Bank further agrees that the Guarantee herein contained shall remain in full force during the period that is taken for the performance of the CONTRACT/ORDER and all dues of ONGC under or by virtue of this CONTRACT/ORDER have been fully paid and its claim satisfied or discharged or till BCPL discharges this guarantee in writing, whichever is earlier.

6. This Guarantee shall not be discharged by any change in our constitution, in the constitution of BCPL or that of the 'SUPPORTING COMPANY'.

7. The Bank confirms that this guarantee has been issued with observance of appropriate laws of the country of issue.

8. The Bank also agrees that this guarantee shall be governed and construed in accordance with Indian Laws and subject to the exclusive jurisdiction of Indian Courts of the place from where the purchase CONTRACT/ORDER has been placed.

9. Notwithstanding anything contained hereinabove, our liability under this Guarantee is limited to Indian Rs./US$ (in figures) _____ (Indian Rupees/US Dollars (in words) _____ only) and our guarantee shall remain in force until (indicate the date of expiry of bank guarantee) _____.

8. We have power to issue this guarantee in your favor under Memorandum and Articles of Association and the undersigned has full power to do under the Power of Attorney, dated _____ granted to him by the Bank.

Yours faithfully,

_____
Bank by its Constituted Attorney

Signature of a person duly
Authorized to sign on behalf of the Bank
E-mail :
Telephone/Mobile No. :

INSTRUCTIONS FOR FURNISHING
"CONTRACT PERFORMANCE SECURITY / SECURITY DEPOSIT" BY "BANK GUARANTEE"

1. The Bank Guarantee by successful Bidder(s) will be given on non-judicial stamp paper as per 'stamp duty' applicable. The non-judicial stamp paper should be in name of the issuing bank. In case of foreign bank, the said Bank Guarantee to be issued by its correspondent bank in India on requisite non-judicial stamp paper and place of Bid to be considered as Delhi.
2. The Bank Guarantee by Bidders will be given from bank as specified at clause no. 16.1 of ITB of Tender Document.
3. A letter from the issuing bank of the requisite Bank Guarantee confirming that said Bank Guarantee and all future communication relating to the Bank Guarantee shall be forwarded to Purchaser.
4. If a Bank Guarantee is issued by a commercial bank, then a letter to Purchaser and copy to Consultant (if applicable) confirming its net worth is more than Rs.100,00,00,000.00 [Rupees One Hundred Crores] or its equivalent in foreign currency alongwith documentary evidence or in the Bank Guarantee itself.

Annexure-B

PROCUREMENT FROM A BIDDER WHICH SHARES A LAND BORDER WITH INDIA

1. Order (Public Procurement No. 1) dated 23.07.2020, Order (Public Procurement No. 2) dated 23.07.2020 and Order (Public Procurement No. 3) dated 24.07.2020, Department of Expenditure, Ministry of Finance, Govt. of India refers. The same are available at website https://doe.gov.in/procurement-policy-divisions.

2. Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. For details of competent authority refer to Annexure I of Order (Public Procurement No. 1) dated 23.07.2020.

Further the above will not apply to bidders from those countries (even if sharing a land border with India) to which the Government of India has extended lines of credit or in which the Government of India is engaged in development projects. Updated lists of countries to which lines of credit have been extended or in which development projects are undertaken are given in the website of the Ministry of External Affairs, Govt. of India

3. **"Bidder"** (including the term 'tenderer', 'consultant' 'vendor' or 'service provider' in certain contexts) **for purpose of this provision** means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency, branch or office controlled by such person, participating in a procurement process.

4. **"Bidder from a country which shares a land border with India"** for the purpose of this:

a. An entity incorporated, established or registered in such a country; or
b. A subsidiary of an entity incorporated, established or registered in such a country; or
c. An entity substantially controlled through entities incorporated, established or registered in such a country; or
d. An entity whose beneficial owner is situated in such a country; or
e. An Indian (or other) agent of such an entity; or
f. A natural person who is a citizen of such a country; or
g. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above

5. **"Beneficial owner"** for the purpose of above (4) will be as under:

i. In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person(s), has a controlling ownership interest or who exercises control through other means.

Explanation—

a) "Controlling ownership interest" means ownership of, or entitlement to, more than twenty-five per cent of shares or capital or profits of the company;

b) "Control" shall include the right to appoint the majority of the directors or to control the management or policy decisions, including by virtue of their shareholding or management rights or shareholders agreements or voting agreements;

ii) In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;

iii) In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;

iv) Where no natural person is identified under (i) or (ii) or (iii) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;

v) In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

6. **"Agent"** for the purpose of this Order is a person employed to do any act for another, or to represent another in dealings with third persons

7. **SUBMISSION OF CERTIFICATE IN BIDS:**

Bidder shall submit a certificate in this regard as Form-I to Section-II.
If such certificate given by a bidder whose bid is accepted is found to be false, this would be a ground for immediate rejection of the bid/termination and further action as per "Procedure for Action in case of Corrupt/Fraudulent/ Collusive / Coercive Practices" of tender document.

8. The registration, wherever applicable, should be valid at the time of submission of bids and at the time of acceptance of bids. In respect of supply otherwise than by tender, registration should be valid at the time of placement of order. If the bidder was validly registered at the time of acceptance / placement of order, registration shall not be a relevant consideration during contract execution.

Form-I of Annexure-B

UNDERTAKING ON LETTERHEAD

To,
M/s. BRAHMAPUTRA CRACKER AND POLYMER LIMITED
_____

SUB: "CENTRALISED PROCUREMENT OF NON-IBR PIPE FITTINGS FOR ENTIRE BCPL PLANT FOR SHUTDOWN 2022 AND REGULAR O&M."

e-TENDER No.: BCPL/C&P/CO21S441OR/04578

Dear Sir

We have read the clause regarding Provisions for Procurement from a Bidder which shares a land border with India, we certify that, bidder M/s_____ ***(Name of Bidder)*** is :

(i)	Not from such a country	[ ]
(ii)	If from such a country, has been registered with the Competent Authority. (Evidence of valid registration by the Competent Authority shall be attached)	[ ]

(Bidder is to tick appropriate option (✓or X) above).

We hereby certify that bidder M/s_____ ***(Name of Bidder)*** fulfills all requirements in this regard and is eligible to be considered against the tender.

Place:
Date:

[Signature of Authorized Signatory of Bidder]
Name:
Designation:
Seal:

……

Form-II of Annexure-B

CERTIFICATE FOR TENDERS FOR WORKS INVOLVING POSSIBILITY OF SUB-CONTRACTING

To,
M/s. BRAHMAPUTRA CRACKER AND POLYMER LIMITED
_____

SUB: "CENTRALISED PROCUREMENT OF NON-IBR PIPE FITTINGS FOR ENTIRE BCPL PLANT FOR SHUTDOWN 2022 AND REGULAR O&M."

e-TENDER No.: BCPL/C&P/CO21S441OR/04578

Dear Sir

We have read the clause regarding Provisions for Procurement from a Bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries; we certify that, bidder M/s_____ ***(Name of Bidder)*** is:

(i)	not from such a country	[ ]
(ii)	if from such a country, has been registered with the Competent Authority. (Evidence of valid registration by the Competent Authority shall be attached)	[ ]

(Bidder is to tick appropriate option (✓or X) above).

We further certify that bidder **M/s_____ (Name of Bidder)** will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority.

We hereby certify that bidder **M/s_____ (Name of Bidder)** fulfills all requirements in this regard and is eligible to be considered.

Place:
Date:

[Signature of Authorized Signatory of Bidder]
Name:
Designation:
Seal:

Annexure-C

1. POLICY TO PROVIDE PURCHASE PREFERENCE (LINKED WITH LOCAL CONTENT) (PP-LC)

1.0 Ministry of Petroleum & Natural Gas (MoPNG) vide communication no. FP-2013/2/2017-FP-PNG dated 17.11.2020 has forwarded Policy to provide Purchase Preference (linked with Local Content) in all the Public Sector Undertakings under the Ministry of Petroleum and Natural Gas. A copy of the policy is available on website of MoP&NG (i.e. http://petroleum.nic.in/).

2.0 **DEFINITIONS**

2.1 **Oil and Gas Business Activity** shall comprise of Upstream, Midstream and Downstream business activities.

2.2 **Domestic products** shall be goods and/or service (including design and engineering) produced by companies, investing and producing in India.

2.3 **Local Content** hereinafter abbreviated to LC means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent.

2.4 **Domestic Manufacturer** shall be business entity or individual having business activity established under Indian law and producing products domestically.

2.5 **Supplier of goods and/or provider of service** shall be a business entity having capability of providing goods and/or service in accordance with the business line and qualification thereof and classified as under:

'Class-I local supplier' means a supplier or service provider, whose goods, services or works offered for procurement, has local content equal to or more than 50%, as defined under this Policy.

`Class-II local supplier' means a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%, as defined under this Policy.

`Non-local supplier' means a supplier or service provider, whose goods, services or works offered for procurement, has local content less than or equal to 20%, as defined under this Policy.

2.6 **Steering Committee** means the committee to be constituted by MoPNG to provide effective guidance and to oversee the implementation of the Policy on a regular and continuing basis.

2.7 **Verification** shall be an activity to verify the accomplishment of LC by domestic manufacturers and/or suppliers of goods and/or providers of service with the data obtained or collected from respective business activities.

2.8 **Purchase preference**: Where the quoted price is within the margin of purchase preference of the lowest price, other things being equal, purchase preference may be granted to the bidder concerned, at the lowest valid price bid.

2.9 **Local Content (LC) in Goods** shall be the use of raw materials, design and engineering towards manufacturing, fabrication and finishing of work carried out within the country.

2.10 **Local Content (LC) in Services** shall be the use of services up to the final delivery by utilizing manpower (including specialist), working appliance (including software) and supporting facilities carried out within in the country.

2.11 **Local Content (LC) in EPC contracts** shall be the use of materials, design and engineering comprising of manufacturing, fabrication, assembly and finishing as well as the use of services by utilizing manpower (including specialist), working appliance (including software) and supporting facility up to the final delivery, carried out within the country.

2.12 **Factory overhead cost** shall be indirect costs of Manpower, machine/ working appliance/facility and the whole other fabrication costs needed to produce a unit of product with the cost not chargeable directly to specified product.

2.13 **Company overhead cost** shall be costs related to the marketing, administration and general affairs cost of the company.

2.14 **Indian Company** means a company formed and registered under the Companies Act, 2013.

2.15 **Foreign company** means any company or body corporate incorporated outside India which— (a) has a place of business in India whether by itself or through an agent. physically or through electronic mode: and (b) conducts any business activity in India in any other manner.

3.0 SCOPE

3.1 This PP-LC policy is not applicable for goods/ services falling under the list of items reserved for exclusive purchase from Micro and Small Enterprises (MSEs) or Domestically manufactured Electronic Products (DMEP) under the respective policies.

3.2 In case a bidder is eligible to seek benefit under Policy to Provide Purchase Preference (Linked with Local Content) (PP-LC) as well as Public Procurement Policy for MSE 2012 (PPP-2012), then the bidder should categorically confirm its option to choose benefits against only one of the two policies i.e. either PP-LC and MSE Policy in Form-1. The option once exercised cannot be modified subsequently.

Purchase preference benefits shall be extended to the bidder based on the declared option subject to the bidder meeting the requirements contained in respective Purchase Preference Policy.

In case a MSEs bidder opts for purchase preference based on PP-LC, such bidder shall not be entitled to claim purchase preference benefit available to MSE Bidders under PPP-2012. However, the exemptions from furnishing Bidding Document fee and Bid security/EMD shall continue to be available to such MSE Bidder.

While evaluating a particular bid that bidder's option (to avail any one out of two applicable purchase preference policies, i.e., PP-LC or PPP-2012) will be considered. For price matching and distribution of quantities among bidders, the precedence shall be in the following order:-

(a) Public Procurement Policy for MSE 2012

(b) Policy to Provide Purchase Preference (Linked with Local Content) (PP-LC)

3.3 Further, this policy is not applicable for HP-HT operations for time being. The Charter Hiring of Offshore vessels shall continue to be governed by DG, Shipping Guidelines. Indian Flag Vessels shall be considered as having 100% LC.

3.4 The prescribed local content in the Policy shall be applicable on the date of Notice Inviting Tender/ Issuance of tender.

4.1 **MARGIN OF PURCHASE PREFERENCE:** The margin of purchase preference shall be 20%.

5.0 ELIGIBILITY OF 'CLASS-I LOCAL SUPPLIER'/ 'CLASS-II LOCAL SUPPLIER'/ 'NON-LOCAL SUPPLIERS' FOR DIFFERENT TYPES OF PROCUREMENT

5.1 In respect of all goods, services or works in respect of which the Nodal Ministry/ Department under DPIIT's Public Procurement (Preference to Make in India) Order, 2017 has communicated that there is sufficient local capacity and local competition, only 'Class-I local supplier' shall be eligible to bid. Details of such notified goods, services or works is available on https://dipp.gov.in/public-procurements

5.2 For all other Domestic Competitive tenders, 'Class-I local supplier' and 'Class-II local supplier' shall be eligible to bid irrespective of purchase value, but preference to be given as per PP-LC to the 'Class-I local supplier'.

5.3 Only 'Class-I local supplier' and 'Class-II local supplier' shall be eligible to bid, except when Global tender enquiry/International Competitive Bidding has been issued. In Global tender enquiry/International Competitive Bidding, 'Non-local suppliers' shall also be eligible to bid along with 'Class-I local suppliers' and 'Class-II local suppliers'.

5.4 'Class-II local supplier' and 'Non-local supplier' will not get purchase preference in any tender.

5.5 The producers of goods and/or providers of services shall be obliged to fulfil the requirements of quality and delivery time in accordance with the provisions of the respective contracts of goods and services.

5.6 If the Ministry is satisfied that Indian suppliers of an item are not allowed to participate and/or compete in procurement by any foreign government, it may, if it deems appropriate, restrict or exclude bidders from that country from eligibility for procurement of that item and/or other items relating to the Ministry.

5.7 For the purpose of para 5.6 above, a supplier or bidder shall be considered to be from a country if (i) the entity is incorporated in that country, or (ii) a majority of its shareholding or effective control of the entity is exercised from that country, or (iii) more that 50% of the value of the item being supplied has been added in that country. Indian suppliers shall mean those entities which meets any of these tests with respect to India.

6.0 PURCHASE PREFERENCE- LINKED WITH LOCAL CONTENT (LC)

6.1 In procurement of all items not covered by para 5.1, the following provisions is to be considered for LC linked Purchase Preference:

6.1.1 The manufacturers/ service providers having the capability of meeting/ exceeding the local content targets shall be eligible for purchase preference under the policy, i.e. LC manufacturers/ LC service providers respectively as described below.

6.1.2 Wherever the goods/ services are procured under this policy, eligible (techno-commercially qualified) 'Class I Local supplier' shall be granted a purchase preference where the quoted price is within the margin of purchase preference of the lowest price, other things being equal, purchase preference shall be be granted to the eligible (techno-commercially qualified) Class I Local supplier concerned, at the lowest valid price bid.

6.1.3 **Goods:**

(a) **If the tenders can be split (as specified in BDS)** then the order for 50% ** of the procured quantity would be awarded to the lowest techno-commercially qualified 'Class I Local supplier', subject to matching with L1, if such bidders are available. The remaining will be awarded to L1.

However, if L1 bidder happens to be a 'Class I Local supplier', the entire procurement value shall be awarded to such bidder.

***** If the tendered quantity cannot be divided exactly 50:50, the eligible Class I Local supplier will have right for quantity not less than 50% of tendered quantity.***

(b) **If the tender cannot be split (as specified in BDS)** then the order shall be awarded to the eligible 'Class I Local supplier' for the entire quantity.

6.1.4 Services/EPC Contracts :

(a) **In case tender for services/ EPC cannot be split (as specified in BDS)**, The entire contract would be awarded to the lowest techno-commercially qualified 'Class I Local supplier', subject to matching with L1, if such bidders are available.

(b) **In case tender for services/EPC can be split (as specified in BDS)**, then splitting shall be allowed and specified in tender documents. Such services shall follow the procedure outlined for goods as described in goods above at para at 6.1.3 (a).

6.1.5 For para 6.1.3 and 6.1.4 above, only those 'Class I Local supplier' whose bids are within the margin of purchase preference would be allowed an opportunity to match L1 bid.

6.1.6 The procedure for award of contract/ order under the policy is at Enclosure-I.

7.0 Determination of LC: The following process shall be adopted by the bidder to determine the content of LC:

6.1 LC of Goods

7.1.1 LC of goods shall be computed on the basis of the cost of domestic components in goods, compared to the whole cost of product.

7.1.2 The criteria for determination of the local content cost in the goods shall be as follows:

a) in the case of direct component (material), based on country of origin:
b) in the case of manpower, based on INR component.

7.1.3 The calculation of LC of the combination of several kinds of goods shall be based on the ratio of the sum of the multiplication of LC of each of the goods with the acquisition price of each goods to the acquisition price of the combination of goods.

7.2 LC of service

7.2.1 LC of Service shall be calculated on the basis of the ratio of service cost of domestic component in service to the total cost of service.

7.2.2 The total cost of service shall be constituted of the cost spent for rendering of service, covering:

a) cost of component (material) which is used:
b) manpower and consultant cost: cost of working equipment/ facility; and c) general service cost.

7.2.3 The criteria for determination of cost of local content in the service shall be as follows

a) in the case of material being used to help the provision of service, based on country of origin;
b) in the case of manpower and consultant based on INR component of the services contract;
c) in the case of working equipment/facility, based on country of origin: and
d) in the case of general service cost, based on the criteria as mentioned in clauses a, b, and c above.
e) Indian flag vessels in operation as on date.

7.3 LC of the EPC Contracts:

7.3.1 LC of EPC contracts shall be the ratio of the whole cost of domestic components in the combination of goods and services to the whole combined cost of goods and services.

7.3.2 The whole combined cost of goods and services shall be the cost spent to produce the combination of goods and services, which is incurred on work site. LC of the combination of goods and services shall be counted in every activity of the combination work of goods and services.

7.3.3 The spent cost as mentioned in paragraph 7.3.2 shall include production cost in the calculation of LC of goods as mentioned in clause 7.1.1 and service cost in the calculation of LC of services as mentioned in clause 7.2.2.

7.4 Calculation of LC and Reporting

LC shall be calculated on the basis of verifiable data. In the case of data used in the calculation of LC being not verifiable, the value of LC of the said component shall be treated as nil.

8.0 CERTIFICATION AND VERIFICATION

8.1 Since 'Class I/Class II Local suppliers' are eligible to bid in Domestic Competitive Bidding only if they meet the local content norms, therefore whether or not they want to avail PP-LC benefit, it will still be mandatory for them to give adequate documentation as follows to establish their status as 'Class-I local supplier' or 'Class-II local supplier':

8.1.1 At bidding stage:

a) Price Break-up:

• The bidder shall provide the percentage of local content in the bid.

b) The bidder shall submit an undertaking [Form -2] from the authorised signatory of bidder having the Power of Attorney alongwith the bid stating the bidder meets the mandatory minimum LC requirement and such undertaking shall become a part of the contract.

(c) In cases of procurement for a value in excess of Rs. 10 crores, the Undertaking [Form-3] submitted by the bidder shall be supported by a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practising chartered accountant (in respect of other than companies) giving the percentage of local content.

However, in case of foreign bidder, certificate from the statutory auditor or cost auditor of their own office or subsidiary in India giving the percentage of local content is also acceptable. In case office or subsidiary in India does not exists or Indian office/ subsidiary is not required to appoint statutory Auditors or cost auditor, certificate from practising cost accountant or practicing chartered accountant giving the percentage of local content is also acceptable.

8.1.1 After Contract Award:

- The bidder shall submit an undertaking from the authorised signatory of bidder having the power of Attorney alongwith the bid stating the bidder meets the mandatory minimum LC requirement and such undertaking shall become a part of the contract.

- In cases of procurement for a value in excess of Rs 10 crores, the undertaking submitted by the bidder shall be supported by a certificate from the statutory auditor or cost auditor of the company (in case of companies) or from a practicing cost accountant or practising chartered accountant (in respect of other than companies) giving the percentage of local content.

- However, in case of foreign bidder. certificate from the statutory auditor or cost auditor of their own office or subsidiary in India giving the percentage of local content is also acceptable. In case office or subsidiary in India does not exist or Indian office/ subsidiary is not required to appoint statutory auditor or cost auditor, certificate from practising cost accountant or practising chartered accountant giving the percentage of local content is also acceptable.

8.2 Each supplier shall provide the necessary local-content documentation to the statutory auditor or cost auditor of the company (in case of companies) or from a practicing cost accountant or practising chartered accountant (in respect of other than companies), which shall review and determine that local content requirements have been met, and issue a local content certificate to that effect on behalf of procuring company, stating the percentage of local content in the good or service measured. The statutory auditor or cost auditor of the company (in case of companies) or from a practicing cost accountant or practising chartered accountant (in respect of other than companies) shall keep all necessary information obtained from suppliers for measurement of Local Content confidential.

8.3 The Local Content certificate shall be submitted along with each invoice raised. However, the % of local content may vary with each invoice while maintaining the overall % of local content for the total work/purchase of the pro-rata local content requirement. In case, it is not satisfied cumulatively in the invoices raised up to that

stage, the supplier shall indicate how the local content requirement would be met in the subsequent stages.

8.4 As regards cases where currency quoted by the bidder is other than Indian Rupee, exchange rate prevailing on the date of Notice Inviting Tender (NIT)/ Issuance of Tender shall be considered for the calculation of Local Content.

8.5 BCPL shall also have the authority to audit as well as witness production processes to certify the achievement of the requisite local content.

9.0 Sanctions

9.1 During execution, it shall be the responsibility of the supplier/contractor to ensure fulfillment of the minimum local content specified in the bidding document failing which BCPL shall impose sanction on manufacturers/ service providers. The sanctions shall be in the form of written warning, financial penalty and banning.

9.2 In the event that a manufacturer or supplier of goods and/or provider of services does not fulfill his obligation after the expiration of the period specified in such warning, the BCPL shall initiate action for banning such manufacturer/supplier/service provider as per as per BCPL's extant "Procedure for action in case Corrupt/Fraudulent/Collusive/Coercive Practices"

9.3 A manufacturer and/or supplier of goods and/or provider of services who has been awarded the contract after availing Purchase Preference is found to have violated the LC provisions, in the execution of the procurement contract of goods and/or services shall be subject to financial penalty an amount equal to 10% of the Contract Price. This financial penalty shall be over and above the CPBG value prescribed in the contract.

9.4 In case a manufacturer and/or supplier of goods and/or provider of services desires to change the origin of sourcing of material/services, the same may be allowed with the understanding that in case this results in non compliance to minimum local content, the penal action as above shall be applicable.

A. PROCEDURE FOR AWARD OF CONTRACTS UNDER THIS POLICY SHALL BE AS FOLLOWS (SUBJECT TO QUANTITY DISTRIBUTION APPLICABLE TO MSES AS PER PUBLIC PROCUREMENT POLICY FOR MSE 2012, REFER EXAMPLES GIVEN BELOW):

1.1. In procurement of all items which are divisible in nature, the 'Class I local supplier' shall get purchase preference over 'Class II local supplier' as well as 'Non Local Supplier' as per following procedure:

i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is 'Class I local supplier', the contract for full quantity will be awarded to L1.

ii. If L1 bid is not a 'Class I local supplier', 50% of the order quantity shall be awarded to L1. Thereafter, lowest bidder among the 'Class I Local supplier' will be invited to match the L1 price for the remaining 50% quantity subject to the Class I local supplier's quoted price falling within the margin of purchase preference. and contract for that quantity shall be awarded to such 'Class I local supplier' subject to matching the L1 price.

In case such lowest eligible 'Class I local supplier' fails to match the L1 price or accepts less than the offered quantity, the next higher 'Class I local supplier' within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on Class I local suppliers, then such balance quantity may also be ordered on the L1 bidder.

1.2. In the procurement of all items which are not divisible in nature and in procurement of services where the bid is evaluated on price alone, the 'Class-I local supplier' shall get purchase preference over 'Class-II local supplier' as well as 'Non-local supplier', as per following procedure:

i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is 'Class-I local supplier', the contract will be awarded to L1.
ii. If L1 is not 'Class-I local supplier', the lowest bidder among the 'Class-I local supplier', will be invited to match the L1 price subject to Class-I local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such 'Class-I local supplier' subject to matching the L1 price.
iii. In case such lowest eligible 'Class-I local supplier' fails to match the L1 price, the 'Class-I local supplier' with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the 'Class-I local supplier' within the margin of purchase preference matches the L1 price, the contract may be awarded to the L1 bidder.

B. Example to deal Various situations in case a bidder is eligible to seek benefit under Policy for Provide Purchase Preference (linked with local content (PP-LC) as well as Public Procurement Policy for MSE 2012 (PPP for MSE 2012):

(I) Non divisible item

L1 bidder is non MSE, non Local supplier/Class-II local supplier as per PP-LC

L2 bidder is Class-I Local supplier as per PP-LC (prices within 20%)
L3 bidder is MSE bidder (prices within 15%)
MSE bidder shall be given preference to match the L1 price. If bidder matches the L1 price, order shall be placed on him, otherwise, option for matching the L1 price shall be given to L2 bidder (PP-LC).

(II) Divisible item-Case 1

L1 bidder is non MSE, non Local supplier/ Class-II local supplier as per PP-LC
L2 bidder is Class-I Local supplier as per PP-LC (within 20%)
L3 bidder is MSE bidder (within 15%)
MSE bidder shall be given preference to match the L1 price. If bidder matches the L1 price, order shall be placed on him for the quantity specified in the bidding document for MSEs (i.e. 25% of the tendered quantity). For 50% of tendered quantity option for matching the L1 price shall be given to L2 bidder (Class-I Local supplier as per PP-LC). Balance quantity (i.e. 25% of the tendered quantity) shall be awarded to original L1 bidder.

(III) Divisible item-Case 2

L1 bidder is non MSE, Non Local supplier/ Class-II as per PP-LC
L2 bidder is Class-I Local supplier as per PP-LC (within 20%)
L3 bidder is MSE bidder (within 15%)
L4 bidder is MSE bidder (within 15%))
MSE bidders shall be given preference to match the L1 price. If bidders matched the L1 price, order shall be placed on each of them for 12.5% of the tendered quantity. In case L3 or L4 bidder refuses, the order shall be placed on remaining MSE bidder who matches the L1 prices for 25% of the quantity. For 50% of tendered quantity option for matching the L1 price shall be given to L2 bidder (Class-I Local supplier as per PP-LC). Balance quantity (i.e. 25% of the tendered quantity) shall be awarded to original L1 bidder.

(IV) In case L1 bidder is a MSE bidder, the entire goods/ jobs shall be awarded to him without resorting to purchase preference to Class-I Local supplier as per PP-LC.

(V) In case L1 bidder is a Class 1 Local supplier as per PP-LC, purchase preference shall only be resorted to MSE bidder as per PPP 2012.

FORM-1 of Annexure-C

UNDERTAKING FOR APPLICABILITY OF POLICY (APPLICABLE FOR CLASS-I LOCAL SUPPLIER ONLY)

To,

M/s. BRAHMAPUTRA CRACKER AND POLYMER LIMITED
_____

SUB:
TENDER NO:

Dear Sir

We, M/s_____ ***(Name of Bidder)*** hereby confirm that following purchase preference to be considered:-

Description	Preference
Purchase Preference under Public Procurement Policy for MSE	
Policy to Provide Purchase Preference (linked with local content)	

Note:
(i) Please indicate your preference against only one policy.
(ii) The above preference shall be extended only after submission of requisite documents (as mentioned in the tender documents).
(iii) In case a bidder is eligible to seek benefit under PP-LC policy as well as PPP for MSE 2012, then the bidder should categorically seek benefits against only one of the two policies i.e. either PP-LC and MSE policy.
(iv) In case a MSEs bidder opts for purchase preference based on PP-LC, he shall not be entitled to claim purchase preference benefit available to MSE Bidders under PPP for MSE 2012. However, the exemptions from furnishing Bidding Document fee and Bid security/EMD shall continue to be available to MSE Bidders
(v) The option once exercised cannot be modified subsequently.

Place:
Date:

[Signature of Authorized Signatory of Bidder]
Name:
Designation:
Seal:

FORM-2 of Annexure-C

SELF CERTIFICATION BY BIDDER WHO CLASS-I /CLASS-II LOCAL SUPPLIER TOWARDS MANDATORY MINIMUM LOCAL CONTENT

To,

M/s. BRAHMAPUTRA CRACKER AND POLYMER LIMITED
_____

SUB:
TENDER NO:

Dear Sir

We, M/s_____ ***(Name of Bidder)*** confirm that as per the definition of mentioned in PP-LC Policy we are:

Class-I Local supplier [ ]

Class-II Local Supplier [ ]

(Bidder is to tick appropriate option (✓or X) above).

It is to further confirm that M/s _____ ***(Name of Bidder)/ M/s ……..*** **(Name of Manufacturer, in case bidder is a supplier quoting on behalf of manufacturer)** *(strikethrough which is not applicable)* meet the mandatory minimum Local content requirement of ……% specified for Class-I Local supplier/ Class-II Local supplier *(strikethrough which is not applicable)* under Policy to Provide Purchase Preference (linked with local content).

We further confirm that in case we fail to meet the minimum local content, the same shall be treated false information and BCPL will take action as per provision of tender document.

Place:
Date:

[Signature of Authorized Signatory of Bidder]
Name:
Designation:
Seal:

FORM-3 of Annexure-C

CERTIFICATE BY STATUTORY AUDITOR/COST AUDITOR/ CHARTERED ACCOUNTANT OF BIDDER WHO CLASS-I /CLASS-II LOCAL SUPPLIER TOWARDS MANDATORY MINIMUM LOCAL CONTENT – NOT APPLICABLE

To,

M/s. BRAHMAPUTRA CRACKER AND POLYMER LIMITED
_____

SUB:
TENDER NO:

Dear Sir

1. We _____ the statutory auditor/ cost auditor/chartered accountant (not an employee of the company) of M/s._____ (***Name of the bidder***) hereby certify that as per definition specified in PP-LC policy, M/s._____ (***Name of the bidder***) is

   Class-I Local supplier [ ]

   Class-II Local Supplier [ ]

   (Bidder is to tick appropriate option (✓or X) above).

2. It is to further confirm that **M/s**_____ ***(Name of Bidder)/ M/s ……..*** **(Name of Manufacturer, in case bidder is a supplier quoting on behalf of manufacturer)** *(strikethrough which is not applicable)* meet the mandatory minimum Local content requirement of ……% specified for Class-I Local supplier/ Class-II Local supplier *(strikethrough which is not applicable)* under Policy to Provide Purchase Preference (linked with local content) quoted vide offer No. _____ dated _____ against tender No._____ by M/s _____ (***Name of the bidder***).”

Name of Audit Firm:

Date:

[Signature of Authorized Signatory]
Name:
Designation:
Seal:
Membership no.

Note:

(i) This certificate it to be furnished by the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies)

(ii) The above format is indicative, the statutory auditor/ cost auditor/ cost accountant can modify the format without changing the intent of certification.

ANNEXURE-D

PROVISION REGARDING POLICY TO PROVIDE PREFERENCE TO DOMESTICALLY MANUFACTURED IRON & STEEL PRODUCTS (DMI&SP)

1.0 BACK GROUND

Ministry of Steel (MoS) vide Gazette notification dated 29.05.2019 has circulated revised Policy for Providing Preference to Domestically Manufactured Iron Steel Products in Government Procurement. Further, vide Gazette notification dated 31.12.2020, amendment/ addition to the Policy has been circulated. A copy of the policy, clarification (s) and amendment/ additions issues are available on website of Ministry of Steel (i.e. http://steel.gov.in/) for reference.

2.0 DEFINITIONS

i. **Bidder** may be a domestic/foreign manufacturer of steel or their selling agents/ authorized distributors/authorized dealers/authorized supply houses or any other company engaged in the bidding of projects funded by Government agencies.

ii. **"Domestically Manufactured Iron & Steel Products (DMI&SP)"** are those iron and steel products which are manufactured by entities that are registered and established in India, including in Special Economic Zones (SEZs). In addition, products shall meet the criteria of domestic minimum value – addition as mentioned in Appendix-A.

iii. **Domestic Manufacturer** is a manufacturer of iron & steel products conforming to guidelines in section 7 and confirming to the definition of 'manufacturer' as per Central Excise Act.

iv. **Government** for the purpose of the Policy means Government of India.

v. **Government agencies** include Government PSUs, Societies, Trusts and Statutory bodies set up by the Government

vi. **MoS** Shall mean Ministry of Steel, Govt. of India.

vii. **Net Selling Price** shall be the invoiced price excluding net domestic taxes and duties

viii. **Semi- Finished Steel** shall mean Ingots, billet, blooms and slabs, which can be subsequently processed to finished steel.

ix. **Finished Steel** shall mean Flat and Long products, which can be subsequently processed into manufactured items.

x. **L1** means the lowest tender or the lowest bid or the lowest quotation received in a tender, bidding process or other procurement solicitation as adjudged in the evaluation process as per the tender or other procurement solicitation.

xi. **Margin of purchase preference** means the maximum extent to which the price quoted by a domestic supplier may be above L1 for the purpose of purchase preference. In case of DMI&SP policy, the margin of purchase preference shall be 20% for items in Appendix B.

xii. **Iron & Steel Product (s)** shall mean such iron and steel product (s) which are mentioned in Appendix A.

xiii. **Domestic value addition means**- amount of value added in India which shall be the total value of the item to be procured / sold (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value of the item to be procured / sold, in percent. The 'domestic value addition' definition shall be in line with the Department for Promotion of Industry and Internal Trade (DPIIT) (formerly DIPP) guidelines, and shall be suitably amended in case of any changes by DPIIT in the future. For the purpose of this policy document, domestic value addition and local content have been used interchangeably.

3.0 IRON & STEEL PRODUCTS

3.1 The policy is applicable to iron & steel products as provided in Appendix A and to capital goods for manufacturing iron & steel products in Appendix B of the policy:

3.2 Appendix A contains list of iron & steel products which are to be exclusively domestically manufactured and cannot be imported without the approval of the Ministry of Steel

3.3 Appendix B contains a list (non-exhaustive) of capital goods for which purchase preference shall be provided to domestically manufactured capital goods, if their quoted price falls within 20% of the price quoted for corresponding imported capital good.

Annexure- B is the Indicative list of capital goods(non-exhaustive) for manufacturing iron & steel products. Since presently manufacturing iron & steel products is not being done by BCPL, the provision regarding Annexure-B of policy will not be applicable.

4.0 TENDER PROCEDURE

4.1 For iron and steel products in Appendix A, the tender is open only to the manufacturers / suppliers having the capability of meeting / exceeding the domestic value addition targets. Manufacturers / suppliers not meeting the domestic value addition targets are not eligible to participate in the bidding.

4.2 The bidders who are sole selling agents / authorized distributors/ authorized dealers/authorized supply houses of the domestic manufacturers of iron & steel products are eligible to bid on behalf of the domestic manufacturers under the policy. However, this shall be subject to the following conditions:

a) The bidder shall furnish the authorization certificate issued by the domestic manufacturer for selling domestically manufactured iron & Steel products.

b) In case the procurement is covered under Appendix A of the DMI&SP policy, the bidder shall furnish the Affidavit of self-certification issued by the domestic manufacturer BCPL declaring that the iron & steel products is domestically manufactured in terms of the domestic value addition prescribed.

c) It shall be the responsibility of the bidder to furnish other requisite documents required to be issued by the domestic manufacturer to the BCPL as per the policy.

4.3.1 If Ministry of Steel is satisfied that Indian suppliers of iron and steel products are not allowed to participate and/ or compete in procurement by any foreign government due to restrictive tender conditions which have direct or indirect effect of barring Indian companies such as registration in the procuring country, execution of project of specific value in the procuring country etc., it may, if deemed appropriate, restrict or exclude bidders from that country from eligibility for procurement of that item and/ or other items relating to Ministry of Steel.

4.3.2 For the purpose of sub-paragraph 4.3.1 above, a supplier or bidder shall be considered to be from a country if (i) the entity is incorporated in that country, or (ii) a majority of its shareholding or effective control of the entity is exercised from that country; or (iii) more than 50% of the value of the item being supplied has been added in that country. Indian suppliers shall mean those entities which meet any of these tests with respect to India. The term 'entity' of a country shall have the same meaning as under the FDI Policy of DPIIT as amended from time to time.

5.0 DOMESTIC VALUE ADDITION REQUIREMENT

5.1 Minimum domestic value addition requirement to qualify the product as a domestically manufactured iron & steel product mentioned in Appendix A.

5.2 Domestic value addition means - amount of value added in India which shall be the total value of the item to be procured / sold (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value of the item to be procured / sold, in percent.

5.2.1 In case the iron & steel products are made using domestic input steel (semi-finished/ finished steel), invoices of purchases from the actual domestic producers along with quantities purchased and the other related documents must be furnished to BCPL.

5.2.2 In case the iron & steel products have imported input steel, the invoices of purchases from the actual producers along with quantities purchased and the other related documents must be furnished separately. To derive the extent of domestic value addition, the weighted average of both (imported & domestic) input steel shall be considered to ensure that the minimum stipulated domestic value addition requirement of the policy is complied with.

5.3 It is recommended that procuring Government agency / bidder participating in the tender process should calculate the domestic value addition using the below formula so as to ensure that the domestic value addition claimed is consistent with the minimum stipulated domestic value addition requirement of the policy.

For iron and steel products & capital goods

% domestic value addition:

Total value of the item to be procured / sold (excluding net domestic indirect taxes) - the value of imported content in the item (including all customs duties)

X 100 %

Total value of the item to be procured / sold.

6.0 CERTIFICATION AND AUDIT

6.1 For products in Appendix A, each domestic manufacturer shall furnish the Affidavit of self-certification to BCPL declaring that the iron & steel products are domestically manufactured in terms of the domestic value addition prescribed. The bidders who are sole selling agents / authorized distributors / authorized dealers / authorized supply houses of the domestic manufacturers of iron & steel products are eligible to bid on behalf of domestic manufacturers under the policy. The bidder shall furnish the Affidavits of self-certification issued by the domestic manufacturers to BCPL declaring that the iron & steel products are domestically manufactured in terms of the domestic value addition prescribed. The Affidavit of self-certification shall be furnished in **Form 1** attached.

6.2 It shall be the responsibility of the domestic manufacturer to ensure that the products so claimed are domestically manufactured in terms of the domestic value addition prescribed for the product. The bidder shall also be required to provide a domestic value addition certificate on half-yearly basis (Sep 30 and Mar 31), duly certified by the Statutory Auditors of the domestic manufacturer, that the claims of domestic value addition made for the product during the preceding 6 months are in accordance with the Policy. Such certificate shall be filed within 60 days of commencement of each half year, to BCPL and shall continue to be filed till the completion of supply of the said products.

6.3 BCPL shall accept the Affidavit of self-certification regarding domestic value addition in a steel product submitted by a bidder. It shall not normally be the responsibility of BCPL to verify the correctness of the claim. The onus of demonstrating the correctness of the same shall be on the bidder when asked to do so.

6.4 In case a complaint is received by BCPL against the claim of a bidder regarding domestic value addition in iron & steel products, BCPL shall have full rights to inspect and examine all the related documents and take a decision. In case any clarification is needed, matter may be referred to MoS with a request for technical assistance.

However, there would be a complaint fee of Rs. 10 Lakh or 0.2 % of the value of the DMI&SP being procured (subject to a maximum of Rs. 20 Lakh), whichever is higher, to be paid by Demand Draft payable in favour of 'BCPL (India) Limited' along with the complaint by the complainant. In case, the complaint is found to be incorrect, the BCPL reserves the right to forfeit the said amount. In case, the complaint is found to be substantially correct, deposited fee of the complainant would be refunded without any interest. Further, no cognizance will be taken to any complain received without the compliant fee mentioned above.

6.5 Any complaint referred to BCPL shall be disposed off within 4 weeks of the reference along with submission of all necessary documents. The bidder shall be required to furnish the necessary documentation in support of the domestic value addition claimed in iron & steel products to BCPL within 2 weeks of filing the complaint.

6.6 In case, the matter is referred to the Ministry of Steel, the grievance redressal committee setup under the MoS shall dispose of the complaint within 4 weeks of its reference and receipt of all documents from the bidder after taking in consideration, the view of BCPL. The bidder shall be required to furnish the necessary documentation in support of domestic value addition claimed in iron & steel products to the grievance redressal committee under MoS within 2 weeks of the reference of the matter. If no information is furnished by the bidder, the grievance redressal committee may take further necessary action, in consultation BCPL to establish bonafides of claim.

6.7 The cost of assessing the prescribed extent of domestic value addition shall be borne BCPL if the domestic value addition is found to be correct as per the certificate. However, if it is found that the domestic value addition as claimed is incorrect, Rs. 10 Lakh or 0.2 % of the value of the DMI&SP being procured (subject to a maximum of Rs. 20 Lakh), whichever is higher, will be payable by the bidder (who has furnished an incorrect certificate) toward pre-determined cost of assessment.

6.8 In case of misdeclaration by the bidder of the prescribed domestic value addition, in the tender document, BCPL will impose also penalties including forfeiting of the EMD/CPBG and putting such bidder on banning list as per BCPL's extant "Procedure for action in case Corrupt/Fraudulent/Collusive/Coercive Practices"

6.9 In case of reference of any complaint to MoS by the concerned bidder, there would be a complaint fee of Rs. 10 Lakh or 0.2 % of the value of the DMI&SP being procured (subject to a maximum of Rs. 20 Lakh), whichever is higher, to be paid by Demand Draft deposited with the grievance redressal committee under MoS along with the complaint by the complainant. In case, the complaint is found to be incorrect, BCPL reserves the right to forfeit the said amount. In case, the complaint is found to be substantially correct, deposited fee of the complainant would be refunded without any interest.

7.0 IMPLEMENTATION MONITORING BY MINISTRY OF STEEL

7.1 The policy provisions shall be applicable for a period of 5 years from the date of publication. The policy period may further be extended at the discretion of Ministry of Steel.

7.2 MoS shall be the nodal ministry to monitor the implementation of the policy.

8.0 REFERENCE TO MINISTRY OF STEEL

In case of a question whether an item being procured is a DMI&SP to be covered under the policy, the matter would be referred to the Ministry of Steel for clarification.

FORM-1 of ANNEXURE-D

Format for Affidavit of Self Certification regarding Domestic Value Addition in Iron & Steel Products to be provided on Rs. 100/- Stamp Paper Date:

I _____S/o, D/o, W/o, _____ Resident of _____ _____hereby solemnly affirm and declare as under:
That I will agree to abide by the terms and conditions of the policy of Government of India issued vide Notification No:_____.

That the information furnished hereinafter is correct to the best of my knowledge and belief and I undertake to produce relevant records before BCPL for the purpose of assessing the domestic value addition.

That the domestic value addition for all inputs which constitute the said iron & steel products has been verified by me and I am responsible for the correctness of the claims made therein.

That in the event of the domestic value addition of the product mentioned herein is found to be incorrect and not meeting the prescribed value-addition criteria, based on the assessment of BCPL for the purpose of assessing the domestic value-addition, I will be disqualified from any Government tender for a period of 36 months. In addition, I will bear all costs of such an assessment.

That I have complied with all conditions referred to in the Notification No._____ wherein preference to domestically manufactured iron & steel products in Government procurement is provided and that BCPL is hereby authorized to forfeit and my EMD. I also undertake to pay the assessment cost and pay all penalties as specified in the tender document.

I agree to maintain the following information in the Company's record for a period of 8 years and shall make this available for verification to any statutory authority.

i. Name and details of the Bidder (Registered Office, Manufacturing unit location, nature of legal entity)
ii. Date on which this certificate is issued
iii. Iron & Steel Products for which the certificate is produced
iv. BCPL to whom the certificate is furnished
v. Percentage of domestic value addition claimed and whether it meets the threshold value of domestic value addition prescribed
vi. Name and contact details of the unit of the manufacturer (s)
vii. Net Selling Price of the iron & steel products
viii. Freight, insurance and handling till plant
ix. List and total cost value of input steel (imported) used to manufacture the iron & steel products
x. List and total cost of input steel which are domestically sourced.
xi. Please attach domestic value addition certificates from suppliers, if the input is not in house.
xii. For imported input steel, landed cost at Indian port with break-up of CIF value, duties & taxes, port handling charges and inland freight cost.

For and on behalf of (Name of firm / entity)

Authorized signatory (To be duly authorized by the Board of Directors)

<Insert Name, Designation and Contact No.>

Annexure-I

PROCEDURE FOR ACTION IN CASE CORRUPT/FRAUDULENT/COLLUSIVE/COERCIVE PRACTICES

A Definitions:

A.1 "Corrupt Practice" means the offering, giving, receiving or soliciting, directly or indirectly, anything of value to improperly influence the actions in selection process or in contract execution.

"Corrupt Practice" also includes any omission for misrepresentation that may mislead or attempt to mislead so that financial or other benefit may be obtained or an obligation avoided.

A2 "Fraudulent Practice" means and include any act or omission committed by an agency or with his connivance or by his agent by misrepresenting/ submitting false documents and/ or false information or concealment of facts or to deceive in order to influence a selection process or during execution of Contract/ order.

A3 "Collusive Practice amongst bidders (prior to or after bid submission)" means a scheme or arrangement designed to establish Bid prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition.

A.4 "Coercive practice" means impairing or harming or threatening to impair or harm directly or indirectly, any agency or its property to influence the improperly actions of an agency, obstruction of any investigation or auditing of a procurement process.

A.5 "Vendor/Supplier/Contractor/Consultant/Bidder" is herein after referred as "Agency" in this Annexure.

A.6 "Appellate Authority" shall mean Committee of Directors of BCPL consisting of Managing Director, BCPL & Director (Finance).

A.7 "Competent Authority" shall mean the authority of BCPL, who is competent to take final decision for Suspension of business dealing with an Agency(ies) and Banning of business dealings with Agency(ies) and shall be the "COO".

A.8 "Allied Agency" shall mean all the concerns within the sphere of effective influence of banned/ suspended agencies. In determining this, the following factors may be taken into consideration:

(a) Whether the management is common;
(b) Majority interest in the management is held by the partners or directors of banned/ suspended firm.

(c) substantial or majority shares are owned by banned/ suspended agency and by virtue of this it has a controlling voice.

A.9 "Investigating Agency" shall mean any department or unit of BCPL investigating into the conduct of Agency/ party and shall include the Vigilance Department of the BCPL, Central Bureau of Investigation, State Police or any other agency set up by the Central or State Government having power to investigate.

B Actions against Bidder(s) indulging in corrupt /fraudulent/ collusive/ coercive practice

B.1 Irregularities noticed during the evaluation of the bids:

If it is observed during bidding process/ bids evaluation stage that a bidder has indulged in corrupt/fraudulent /collusive/coercive practice, the bid of such bidder (s) shall be rejected and its EMD shall be forfeited.

Further, such agency shall be banned for future business with BCPL for a period specified in para B 2.2 below from the date of issue of banning order.

B.2 Irregularities noticed after award of Contract

(i) During execution of Contract:

If an agency, is found to have indulged in corrupt/fraudulent/ collusive /coercive practices, during execution of Contract, the agency shall be banned for future business with BCPL for a period specified in para B 2.2 below from the date of issue of banning order.

The concerned Order (s)/ Contract(s) where corrupt/ fraudulent/ collusive practices is observed, shall be suspended with immediate effect by Engineer-in-Charge (EIC)/ Employer whereby the supply/ work/ service and payment etc. will be suspended. The action shall be initiated for putting the agency on banning.

After conclusion of process, the Order(s)/ Contract(s) where it is concluded that such irregularities have been committed, shall be terminated and Contract cum Performance Bank Guarantee (CPBG)/ Contract Performance Security (CPS) submitted by agency against such Order(s)/ Contract(s) shall also be forfeited. The amount that may have become due to the Contractor/Supplier on account of work/supplies already executed by him shall be payable to the Contractor/Supplier and this amount shall be subject to adjustment against any amounts due from the Contractor/Supplier under the terms of the contract.

No risk and cost provision will be enforced in such cases.

(ii) After execution of contract and during Defect Liability Period (DLP)/ Warranty/Guarantee Period:

If an Agency is found to have indulged in corrupt/fraudulent/ collusive /coercive practices, after execution of Contract and during DLP/ Warranty/Guarantee Period, the Agency shall be banned for future business with BCPL for a period specified in para B 2.2 below from the date of issue of banning order.

Further, the CPBG/CPS submitted by Agency against such Order(s)/Contract(s) shall be forfeited.

(iii) After expiry of DLP/ Warranty/Guarantee Period

If an Agency is found to have indulged in corrupt/fraudulent/ collusive /coercive practices, after expiry of DLP/ Warranty/Guarantee Period, the Agency shall be banned for future business with BCPL for a period specified in para B 2.2 below from the date of issue of banning order.

B.2.2 Period of Banning

Banning period shall be reckoned from the date of banning order and shall be 3 years.

In exceptional cases where the act of Bidder/Supplier/Vendor/Contractor is a threat to the National Security, the banning shall be for indefinite period.

C Effect of banning on other ongoing contracts/ tenders

C.1 If an Agency is put on Banning, such agency should not be considered in ongoing tender(s)/future tender(s).

C.2 However, if such an Agency is already executing other order(s)/contract (s) where no corrupt/fraudulent/ collusive/coercive practice is found, the Agency should be allowed to continue till its completion without any further increase in scope except those incidental to original scope mentioned in the contract.

C.3 If an Agency is put on the Banning List during tendering and no irregularity is found in the case under process:

C.3.1 after issue of the Tender Document but before opening of Part-I/Technical Bid, the bid submitted by the Agency shall be ignored.

C.3.2 after opening Part-I/Technical bid but before opening the Price bid, the Price bid of the Agency shall not be opened and EMD submitted by the Agency shall be returned to the Agency.

C.3.3 after opening of price (Part-II), EMD submitted by the Agency shall be returned; the offer of the Agency shall be ignored & will not be further evaluated. If the agency is put on banning list for fraud/ mis-appropriation of facts committed in the same Tender Document/other tender where errant Agency emerges as the lowest (L1), then such tendering process shall also be cancelled and re-invited.

D. Procedure for Suspension of Bidder

D.1 Initiation of Suspension

Action for suspension business dealing with any Agency(ies) shall be initiated by Corporate C&P Department, BCPL when :-

(i) Corporate Vigilance Department, BCPL based on the fact of the case gathered during investigation by them recommend for specific immediate action against the Agency.

(ii) Corporate Vigilance Department, BCPL based on the input from Investigating agency, forward for specific immediate action against the Agency.

(iii) Nonperformance of Vendor/Supplier/Contractor/Consultant leading to termination of Contract/Order.

D.2 Suspension Procedure:

D.2.1 The order of suspension would operate initially for a period not more than 6 (six) months and is to be communicated to the Agency and also to Corporate Vigilance Department, BCPL. Period of suspension can be extended with the approval of the Competent Authority by 1 (one) month at a time with a ceiling of 6(six) months pending a conclusive decision to put the Agency on banning list.

D.2.2 During the period of suspension, no new business dealing may be held with the Agency.

D.2.3 Period of suspension shall be accounted for in the final order passed for banning of business with the Agency.

D.2.4 The decision regarding suspension of business dealings should also be communicated to the Agency.

D.2.5 If a prima-facie, case is made out that the agency is guilty on the grounds which can result in banning of business dealings, proposal for issuance of suspension order and show cause notice shall be put up to the Competent Authority. The suspension order and show cause notice must include that (i) the Agency is put on suspension list and (ii) why action should not be taken for banning the Agency for future business from BCPL.

The Competent Authority to approve the suspension will be same as that for according approval for banning.

D 3 Effect of Suspension of business:

Effect of suspension on other on-going/future tenders will be as under:

D.3.1 No enquiry/bid/tender shall be entertained from an Agency as long as the name of Agency appears in the Suspension List.

D.3.2 If an Agency is put on the Suspension List during tendering process:

D.3.2.1 after issue of the Tender Document but before opening of Part-I/Technical Bid, the Bid submitted by the Agency shall be ignored.

D.3.2.2 after opening Part-I/ Technical Bid but before opening of Part-II/ Price bid, the Price bid of the Agency shall not be opened and EMD submitted by the Agency shall be returned to the Agency.

D.3.2.3 after opening of price, EMD submitted by the Agency shall be returned; the Offer/Bid of the Agency shall be ignored & will not be further evaluated. If the Agency is put on Suspension list for fraud/ mis-appropriation of facts conducted in the same/other tendering process where errant Agency emerges as the lowest (L1), then such tendering process shall also be cancelled and re-invited.

D.3.3 The existing contract (s)/ order (s) under execution shall continue.

D.3.4 The Bidder confirms/undertake that (i) neither the Bidder themselves nor their allied Agency(ies) are on banning list of BCPL or the Ministry of Petroleum and Natural Gas and (ii) Bidder is not banned by any Government department/ Public Sector.

E. Appeal against the Decision of the Competent Authority:

E.1 The Agency may file an appeal against the order of the Competent Authority for putting the Agency on banning list. The Appeal shall be filed to Appellate Authority of

BCPL. Such an appeal shall be preferred within one month from the date of receipt of banning order.

E.2 Appellate Authority would consider the appeal and pass appropriate order which shall be communicated to the party as well as the Competent Authority.

E.3 Appeal process may be completed within 45 days of filing of appeal with the Appellate Authority.

F. Wherever there is contradiction with respect to terms of 'Integrity pact', GCC and 'Procedure for action in case of Corrupt/Fraudulent/ Collusive/Coercive Practice', the provisions of 'Procedure for action in case of Corrupt/Fraudulent/ Collusive/Coercive Practice' shall prevail.

Annexure-II

PROCEDURE FOR EVALUATION OF PERFORMANCE OF VENDORS/ SUPPLIERS/ CONTRACTORS/ CONSULTANTS

1.0 GENERAL

A system for evaluation of Vendors/ Suppliers/Contractors/ Consultants and their performance is a key process and important to support an effective purchasing & contracting function of an organization.

Performance of all participating Vendors/ Suppliers/Contractors/ Consultants need to be closely monitored to ensure timely receipt of supplies from a Vendor, completion of an assignment by a Consultant or complete execution of order by a contractor within scheduled completion period. For timely execution of projects and meeting the operation & maintenance requirement of operating plants, it is necessary to monitor the execution of order or contracts right from the award stage to completion stage and take corrective measures in time.

2.0 OBJECTIVE

The objective of Evaluation of Performance aims to recognize, and develop reliable Vendors/ Suppliers/Contractors/ Consultants so that they consistently meet or exceed expectations and requirements.

The purpose of this procedure is to put in place a system to monitor performance of Vendors/ Suppliers/Contractors/ Consultants associated with BCPL so as to ensure timely completion of various projects, timely receipt of supplies including completion of works & services for operation and maintenance of operating plants and quality standards in all respects.

3.0 METHODOLOGY

i) Preparation of Performance Rating Data Sheet

Performance rating data Sheet for each and every Vendor/ Supplier/Contractor/Consultant for all orders/Contracts with a value of Rs. 50 Lakhs and above is recommended to be drawn up. Further, Performance rating data Sheet for orders/contracts of Vendor/Supplier/Contractor/ Consultant who are on watch list/holiday list/ banning list shall be prepared irrespective of order/ contract value. These data sheets are to be separately prepared for orders/ contracts related to Projects and O&M. Format, Parameters, Process, responsibility for preparation of Performance Rating Data Sheet are separately mentioned.

ii) Measurement of Performance

Based on the parameters defined in Data Sheet, Performance of concerned Vendor/ Supplier/Contractor/ Consultant would be computed and graded accordingly. The measurement of the performance of the Party would be its ability to achieve the minimum scoring of 60% points in the given parameters.

iii) Initiation of Measures:

Depending upon the Grading of Performance, corrective measures would be initiated by taking up the matter with concerned Vendor/ Supplier/Contractor/ Consultant. Response of Vendor/ Supplier/Contractor/ Consultant would be considered before deciding further course of action.

iv) Implementation of Corrective Measures:

Based on the response of Vendor/ Supplier/Contractor/ Consultant, concerned Engineer-in-Charge for the Projects and/or OIC in case of O&M would recommend for continuation or discontinuation of such party from the business of BCPL.

v) Orders/contracts placed on Proprietary/OEM basis for O&M will be evaluated and, if required, corrective action will be taken for improvement in future.

4.0 EXCLUSIONS:

The following would be excluded from the scope of evaluation of performance of Vendors/ Suppliers/Contractors/ Consultants :

i) Orders/Contracts below the value of Rs. 50 Lakhs if Vendor/ Supplier/Contractor/ Consultant is not on watch list/ holiday list/ banning list.

ii) Orders for Misc./Administrative items/ Non stock Non valuated items (PO with material code ending with 9).

However, concerned Engineer-in-Charge /OICs will continue to monitor such cases so as to minimize the impact on Projects/O&M plants due to non performance of Vendors/ Suppliers/Contractors/ Consultants in all such cases.

5.0 PROCESS OF EVALUATION OF PERFORMANCE OF VENDORS/ SUPPLIERS/ CONTRACTORS/ CONSULTANTS

5.1 FOR PROJECTS

i) Evaluation of performance of Vendors/ Suppliers/Contractors/ Consultants in case of PROJECTS shall be done immediately with commissioning of any Project.

ii) On commissioning of any Project, EIC (Engineer-in-charge)/ Project-in-charge shall prepare a Performance Rating Data Sheet (Format at Annexure-1) for all Orders and Contracts.

iii) Depending upon the Performance Rating, following action shall be initiated by Engineer-in-charge/Project-in-charge:

Sl.No.	Performance Rating	Action
1	POOR	Seek explanation for Poor performance
2	FAIR	Seek explanation for Fair performance
3	GOOD	Letter to the concerned for improving

		performance in future
4	VERY GOOD	No further action

iv) Reply from concerned Vendor/ Supplier/Contractor/ Consultant shall be examined. In case of satisfactory reply, Performance Rating data Sheet to be closed with a letter to the concerned for improving performance in future.

v) When no reply is received or reasons indicated are unsatisfactory, the following actions need to be taken:

A) Where performance rating is "POOR" (as per Performance Rating carried out after execution of Order/ Contract and where no reply/ unsatisfactory reply is received from party against the letter seeking the explanation from Vendor/Supplier/Contractor/ Consultant along with sharing the performance rating)

Recommend such defaulting Vendor / Supplier / Contractor / Consultant for the following action:

1. Poor Performance on account of Quality (if marks obtained against Quality parameter is less than 20):
   (a) First Instance: **Holiday (Red Card) for Two Years**
   (b) Subsequent instance (s) in other ongoing order (s)/ contract (s) or new order (s) /contact (s) on such Vendor/ Supplier/ Contractor/ Consultant: **Holiday (Red Card) for Three Years**
2. Poor Performance on account of other than Quality (if marks obtained against Quality parameter is more than 20):
   (a) First such instance: **Advisory notice (Yellow Card)** shall be issued and Vendor/Supplier/Contractor/ Consultant shall be **put on watch list for a period of Three (3) Years**.
   (b) Second such instance in other ongoing order (s)/ contract (s) or new order (s) /contact (s) on such Vendor/ Supplier/ Contractor/ Consultant: **Putting on Holiday (Red Card) for a period of One Year**
   (c) Subsequent instances (more than two) in other ongoing order (s)/ contract (s) or new order (s) /contact (s) on such Vendor/ Supplier/ Contractor/ Consultant: **Putting on Holiday (Red Card) for a period of Three Years.**

B) Where Poor/Non-Performance leading to termination of contract or Offloading of contract due to poor performance attributable to Vendor/Supplier/ Contractor/Consultant (under Clause no. 28.3.1 of GCC-Goods)

(a) First instance: **Advisory notice (Yellow Card)** shall be issued and Vendor/Supplier/Contractor /Consultant shall be **put on watch list for a period of Three (3) Years.**

Further such vendor will not be allowed to participate in the re-tender of the same supply/work/services of that location which has terminated / offloaded. Moreover, it will be ensured that all other action as per provision of contract including forfeiture of Contract Performance Security (CPS) etc. are undertaken.

However, such vendor will be allowed to participate in all other tenders and to execute other ongoing order/ contract (s) or new contract/ order (s).

The Yellow card will be automatically revoked after a period of three years unless the same is converted into Red Card due to subsequence instances of poor/ non-performance in other ongoing order (s)/ contract (s) or new order (s) /contact (s) on such Vendor/ Supplier/ Contractor/ Consultant.

(b) Second instances in other ongoing order (s)/ contract (s) or new order (s) /contact (s) on such Vendor/ Supplier/ Contractor/ Consultant: **Holiday (Red Card) for period of One Year** and they shall also to be **considered for Suspension**.

(c) Subsequent instances (more than two) in other ongoing order (s)/ contract (s) or new order (s) /contact (s) on such Vendor/ Supplier/ Contractor/ Consultant: **Holiday (Red Card) for period of Three Years and they shall also to be considered for Suspension**.

(C) Where Performance rating is "FAIR":

Issuance of warning to such defaulting Vendor/ Supplier/Contractor/ Consultant to improve their performance.

5.2 FOR CONSULTANCY JOBS

Monitoring and Evaluation of consultancy jobs will be carried out in the same way as described in para 5.1 for Projects.

5.3 FOR OPERATION & MAINTENANCE

i) Evaluation of performance of Vendors/ Suppliers/Contractors/ Consultants in case of Operation and Maintenance shall be done immediately after execution of order/ contract.

ii) After execution of orders a Performance Rating Data Sheet (Format at Annexure-2) shall be prepared for Orders by Site C&P and for Contracts/Services by respective Engineer-In-Charge.

iii) Depending upon Performance Rating, following action shall be initiated by EIC:

Sl. No.	Performance Rating	Action
1	**POOR**	Seek explanation for Poor performance
2.	**FAIR**	Seek explanation for Fair performance
3	**GOOD**	Letter to the concerned for improving performance in future.
4	**VERY GOOD**	No further action

iv) Reply from concerned Vendor/ Supplier/Contractor/ Consultant shall be examined. In case of satisfactory reply, Performance Rating data Sheet to be closed with a letter to the concerned for improving performance in future.

v) When no reply is received or reasons indicated are unsatisfactory, the following actions need to be taken:

A) Where performance rating is "POOR" (as per Performance Rating carried out after execution of Order/ Contract and where no reply/ unsatisfactory reply is received from party against the letter seeking the explanation from Vendor/Supplier/Contractor/ Consultant along with sharing the performance rating)

Recommend such defaulting Vendor / Supplier / Contractor / Consultant for the following action:

1. Poor Performance on account of Quality (if marks obtained against Quality parameter is less than 20):
   (a) First Instance: **Holiday (Red Card) for Two Years**
   (b) Subsequent instance (s) in other ongoing order (s)/ contract (s) or new order (s) /contact (s) on such Vendor/ Supplier/ Contractor/ Consultant: **Holiday (Red Card) for Three Years**
2. Poor Performance on account of other than Quality (if marks obtained against Quality parameter is more than 20):
   (a) First such instance: **Advisory notice (Yellow Card)** shall be issued and Vendor/Supplier/Contractor/ Consultant shall be **put on watch list for a period of Three (3) Years.**
   (b) Second such instance in other ongoing order (s)/ contract (s) or new order (s) /contact (s) on such Vendor/ Supplier/ Contractor/

Consultant: **Putting on Holiday (Red Card) for a period of One Year**

(c) Subsequent instances (more than two) in other ongoing order (s)/ contract (s) or new order (s) /contact (s) on such Vendor/ Supplier/ Contractor/ Consultant: **Putting on Holiday (Red Card) for a period of Three Years.**

B) Where Poor/Non-Performance leading to termination of contract or Offloading of contract due to poor performance attributable to Vendor/Supplier/ Contractor/Consultant (under Clause no. 28.3.1 of GCC-Goods)

(a) First instance: **Advisory notice (Yellow Card)** shall be issued and Vendor/Supplier/Contractor /Consultant shall be **put on watch list for a period of Three (3) Years**.

Further such vendor will not be allowed to participate in the re-tender of the same supply/work/services of that location which has terminated / offloaded. Moreover, it will be ensured that all other action as per provision of contract including forfeiture of Contract Performance Security (CPS) etc. are undertaken.

However, such vendor will be allowed to participate in all other tenders and to execute other ongoing order/ contract (s) or new contract/ order (s).

The Yellow card will be automatically revoked after a period of three years unless the same is converted into Red Card due to subsequence instances of poor/ non-performance in other ongoing order (s)/ contract (s) or new order (s) /contact (s) on such Vendor/ Supplier/ Contractor/ Consultant.

(b) Second instances in other ongoing order (s)/ contract (s) or new order (s) /contact (s) on such Vendor/ Supplier/ Contractor/ Consultant: **Holiday (Red Card) for period of One Year** and they shall also to be **considered for Suspension**.

(c) Subsequent instances (more than two) in other ongoing order (s)/ contract (s) or new order (s) /contact (s) on such Vendor/ Supplier/ Contractor/ Consultant: **Holiday (Red Card) for period of Three Years** and they shall also to be considered for **Suspension**.

(C) Where Performance rating is "FAIR"

Issuance of warning to such defaulting Vendors/Contractors/Consultants to improve their performance.

6.0 REVIEW & RESTORATION OF PARITES PUT ON HOLIDAY

6.1 An order for Holiday passed for a certain specified period shall deemed to have been automatically revoked on the expiry of that specified period and it will not be necessary to issue a specific formal order of revocation.

Further, in case Vendor/ Supplier/Contractor/ Consultant is put on holiday due to quality, and new order is placed on bidder after restoration of Vendor/ Supplier/Contractor/ Consultant, such order will be properly monitored during execution stage by the concerned site.

7.0 EFFECT OF HOLIDAY

7.1 If a Vendor/ Supplier/Contractor/ Consultant is put on Holiday, such Vendor/ Supplier/Contractor/ Consultant shall not be considered in ongoing tenders/future tenders.

7.2 However, if such Vendor/ Supplier/Contractor/ Consultant is already executing any other order/ contract and their performance is satisfactory in terms of the relevant contract, should be allowed to continue till its completion without any further increase in scope except those incidental to original scope mentioned in the contract. In such a case CPBG will not be forfeited and payment will be made as per provisions of concerned contract. However, this would be without prejudice to other terms and conditions of the contract.

7.3. Effect on other ongoing tendering:

7.3.1 after issue of the enquiry /bid/tender but before opening of Technical bid, the bid submitted by the party shall be ignored.

7.3.2 after opening Technical bid but before opening the Price bid, the Price bid of the party shall not be opened and BG/EMD submitted by the party shall be returned to the party.

7.3.3 after opening of price, BG/EMD made by the party shall be returned; the offer of the party shall be ignored & will not be further evaluated. If errant party emerges as the lowest (L1), then such tender shall also be cancelled and re-invited.

8.0 While putting the Vendor/ Supplier/Contractor/ Consultant on holiday as per the procedure, the holding company, subsidiary, joint venture, sister concerns, group division of the errant Vendor/ Supplier/Contractor/ Consultant shall not be considered for putting on holiday list.

Any bidder, put on holiday, will not be allowed to bid through consortium route also in new tender during the period of holiday.

9.0 If an unsuccessful bidder makes any vexatious, frivolous or malicious complaint against the tender process with the intention of delaying or defeating any procurement or causing loss to BCPL or any other bidder, such bidder will be put on holiday for a period of six months, if such complaint is proved to be vexatious, frivolous or malicious, after following the due procedure.

10. APPEAL AGAINST THE DECISION OF THE COMPETENT AUTHORITY:

(a) The party may file an appeal against the order of the Competent Authority for putting the party on Holiday list. The appeal shall be filed to Appellate Authority. Such an appeal shall be preferred within one month from the of receipt of Holiday order.

(b) Appellate Authority would consider the appeal and pass appropriate order which shall be communicated to the party as well as the Competent Authority.

(c) Appeal process may be completed within 45 days of filing of appeal with the Appellate Authority.

(d) "Appellate Authority" shall mean Committee of Directors consisting of Director (Finance) and Director (BD) for works centers under Director (Projects). For all other cases committee of Directors shall consist of Director (Finance) & Director (Projects).

11. **ERRANT BIDDER**

In case after price bid opening the lowest evaluated bidder (L1) is not awarded the job for any mistake committed by him in bidding or withdrawal of bid or modification of bid or varying any term in regard thereof leading to re-tendering, BCPL shall forfeit EMD if paid by the bidder and such bidders shall be debarred from participation in retendering of the same job(s)/item(s).

Further, such bidder will be put on Watch List (Yellow Card) for a period of three years after following the due procedure. However, during the period in watch list such vendor will be allowed to participate in all other tenders and to execute other ongoing order/ contract (s) or new contract/ order (s).

In case of subsequent instances of default in other tender(s) during aforesaid watch list period, the action shall be initiated as per provision of sl. no. 2 of para A of Clause no. 5.1 (v) and 5.3 (v).

The Yellow card will be automatically revoked after specified period unless the same is converted into Red Card.

12. In case CBIC (Central Board of Indirect Taxes and Customs)/ any tax authority / any equivalent government agency brings to the notice of BCPL that the Supplier has not remitted the amount towards GST (CGST & SGST/UTGST or IGST) collected from BCPL to the government exchequer, then, that Supplier shall be put under Holiday list of BCPL for period of six months after following the due procedure. This action will be in addition to the right of recovery of financial implication arising on BCPL.

Annexure-1

Brahmaputra Cracker and Polymer Limited
PERFORMANCE RATING DATA SHEET [PRDS]
(FOR PROJECTS/ CONSULTANCY JOBS)

i) Project/Work Centre :

ii) Order/ Contract No. & date :

iii) Brief description of Items Works/Assignment :

iv) Order/Contract value (Rs.) :

v) Name of Vendor/Supplier/ Contractor/ Consultant :

vi) Contracted delivery/ Completion Schedule :

vii) Actual delivery/ Completion date :

Performance Parameter	Delivery/ Completion Performance	Quality Performance	Reliability Performance#	Total
Maximum Marks	40	40	20	100
Marks Allocated				

Note:
Remarks (if any)

PERFORMANCE RATING (**) ☐

Note:
(#) Vendor/Supplier/Contractor/Consultant who seek repeated financial assistance or deviation beyond contract payment term or seeking direct payment to the sub-vendor/ sub-contractor due to financial constraints, then '0' marks should be allotted against Reliability Performance.
(*) Allocation of marks should be as per enclosed instructions
(**) Performance rating shall be classified as under:

Sl. No.	Range (Marks)	Rating
1	60 & below	POOR
2	61-75	FAIR
3	76-90	GOOD
4	More than 90	VERY GOOD

Signature of
Authorised Signatory:

Name:

Designation:

INSTRUCTIONS FOR ALLOCATION OF MARKS

1. Marks are to be allocated as under:

1.1 DELIVERY/ COMPLETION PERFORMANCE — 40 Marks

Delivery Period/ Completion Schedule	Delay in Weeks	Marks
a) Upto 3 months	Before CDD	40
	Delay upto 4 weeks	35
	" 8 weeks	30
	" 10 weeks	25
	" 12 weeks	20
	" 16 weeks	15
	More than 16 weeks	0
b) Above 3 months	Before CDD	40
	Delay upto 4 weeks	35
	" 8 weeks	30
	" 10 weeks	25
	" 16 weeks	20
	" 20 weeks	15
	" 24 weeks	10
	More than 24 weeks	0

1.2 QUALITY PERFORMANCE — 40 Marks

For Normal Cases: No Defects/ No Deviation/ No failure: 40 marks

i) Rejection/Defects	Marks to be allocated on prorata basis for acceptable quantity as compared to total quantity for normal cases	10 marks
ii) When quality failure endanger system integration and safety of the system	Failure of severe nature	0 marks
	- Moderate nature	5 marks
	- low severe nature	10-25 marks
iii) Number of deviations	1. No deviation	5 marks
	2. No. of deviations $\leq$ 2	2 marks
	3. No. of deviations > 2	0 marks

1.3 RELIABILITY PERFORMANCE 20 Marks

A.	FOR WORKS / CONTRACTS	Marks
i)	Submission of order acceptance, agreement, CPS/PBG, Drawings and other documents within time	4 marks
ii)	Mobilization of resources as per Contract and in time	4 marks
iii)	Liquidation of Check-list points	4 marks
iv)	Compliance to statutory and HS&E requirements or Reliability of Estimates/Design/Drawing etc. in case of Consultancy jobs	4 marks
v)	Timely submission of estimates and other documents for Extra, Substituted & AHR items	4 marks
B.	**FOR SUPPLIES**	**Marks**
i)	Submission of order acceptance, CPS/PBG, Drawings and other documents within time	5 marks
ii)	Attending complaints and requests for after sales service/ warranty repairs and/ or query/ advice (upto the evaluation period).	5 marks
iii)	Response to various correspondence and conformance to standards like ISO	5 marks
iv)	Submission of all required documents including Test Certificates at the time of supply	5 marks

Annexure-2

Brahmaputra Cracker and Polymer Limited
PERFORMANCE RATING DATA SHEET [PRDS]
(FOR O&M)

i) Location :

ii) Order/ Contract No. & date :

iii) Brief description of Items Works/Assignment :

iv) Order/Contract value (Rs.) :

v) Name of Vendor/Supplier/ Contractor/ Consultant :

vi) Contracted delivery/ Completion Schedule :

vii) Actual delivery/ Completion date :

Performance Parameter	Delivery Performance	Quality Performance	Reliability Performance#	Total
Maximum Marks	40	40	20	100
Marks Allocated (*)				

Remarks (if any)

PERFORMANCE RATING (**) ☐

Note:
(#) Vendor/Supplier/Contractor/Consultant who seek repeated financial assistance or deviation beyond contract payment term or seeking direct payment to the sub-vendor/sub-contractor due to financial constraints, then '0' marks should be allotted against Reliability Performance
(*) Allocation of marks should be as per enclosed instructions
(**) Performance rating shall be classified as under:

Sl. No.	Range (Marks)	Rating
1	60 & below	POOR
2	61-75	FAIR
3	76-90	GOOD
4	More than 90	VERY GOOD

Signature of Authorised Signatory:

Name:

Designation:

INSTRUCTIONS FOR ALLOCATION OF MARKS (FOR O&M)

1. Marks are to be allocated as under:

1.1 DELIVERY/ COMPLETION PERFORMANCE — 40 Marks

Delivery Period/ Completion Schedule	Delay in Weeks	Marks
a) Upto 3 months	Before CDD	40
	Delay upto 4 weeks	35
	" 8 weeks	30
	" 10 weeks	25
	" 12 weeks	20
	" 16 weeks	15
	More than 16 weeks	0
b) Above 3 months	Before CDD	40
	Delay upto 4 weeks	35
	" 8 weeks	30
	" 10 weeks	25
	" 16 weeks	20
	" 20 weeks	15
	" 24 weeks	10
	More than 24 weeks	0

1.2 QUALITY PERFORMANCE — 40 Marks

For Normal Cases: No Defects/ No Deviation/ No failure: 40 marks

i) Rejection/Defects	Marks to be allocated on prorata basis for acceptable quantity as compared to total quantity for normal cases	10 marks
ii) When quality failure endanger system integration and safety of the system	Failure of severe nature	0 marks
	- Moderate nature	5 marks
	- low severe nature	10-25 marks
iii) Number of deviations	1. No deviation	5 marks
	2. No. of deviations $\leq$ 2	2 marks
	3. No. of deviations > 2	0 marks

1.3 RELIABILITY PERFORMANCE — 20 Marks

A.	FOR WORKS/CONTRACTS	Marks
i)	Submission of order acceptance, agreement, CPS/PBG, Drawings and other documents within time	4 marks
ii)	Mobilization of resources as per Contract and in time	4 marks
iii)	Liquidation of Check-list points	4 marks
iv)	Compliance to statutory and HS&E requirements or Reliability of Estimates/Design/Drawing etc. in case of Consultancy jobs	4 marks
v)	Timely submission of estimates and other documents for Extra, Substituted & AHR items	4 marks
B.	**FOR SUPPLIES**	**Marks**
i)	Submission of order acceptance, CPS/PBG, Drawings and other documents within time	5 marks
ii)	Attending complaints and requests for after sales service/ warranty repairs and/ or query/ advice (upto the evaluation period).	5 marks
iii)	Response to various correspondence and conformance to standards like ISO	5 marks
iv)	Submission of all required documents including Test Certificates at the time of supply	5 marks

ANNEXURE-III

(INSTRUCTIONS FOR PARTICIPATION IN E-TENDER)

(Ready Reckoner to Participate in BCPL e-TENDER through CPP Portal of NIC)

The Ready reckoner for submission of bids is available in BCPL website. https://bcplonline.co.in/UploadFiles/tenderfile/ReadyReckonerBCPL.pdf (tender section of BCPL website)

The user manual for submission of online EMD is also available in BCPL website. https://bcplonline.co.in/UploadFiles/tenderfile/UserManualEMD.pdf (tender section of BCPL website)

Please visit the above links

HELP DESK (BCPL)

Phone: 6900182953 (only for e-TENDER queries)
Mobile: 8811017320
Email: etender@bcplindia.co.in

HELP DESK (NIC)

Phone: 1800-233-7315, 0120-4200462, 0120-4001002 (only for e-TENDER queries)
Mobile: 8826246593
Email: cppp-nic@nic.in

Annexure-IV to Section-III

BIDDING DATA SHEET (BDS)

ITB (SECTION-III) TO BE READ IN CONJUNCTION WITH THE FOLLOWING:

ITB clause	Description
	A. GENERAL
1.1	The Purchaser is: Brahmaputra Cracker and Polymer Ltd. The consignee details for the goods are **Brahmaputra Cracker & Polymer Limited Central Warehouse Building P.O. #Lepetkata Dibrugarh-786006, Assam Ph-0373-2914611/ 8876025415** Delivery Location: Lepetkata, Dibrugarh
1.2	The Invitation for Bid/ Tender is for ***Supply Of Non-IBR Pipe Fittings For Entire Bcpl Plant For Shutdown 2022 And Regular O&M.***
	B. TENDER DOCUMENT
8.1	For **clarification purposes** only, the communication address is: Attention: Olivia Rajkumari **Brahmaputra Cracker and Polymer Limited** (A Government of India Enterprise), C&P Department, Administrative Building, PO: Lepetkata, Distt.: Dibrugarh, Assam, Pin Code:786006, E-Mail: olivia.rajkumari@bcplindia.co.in
	C. PREPARATION OF BID
11.1.1 (m)	Additional documents to be submitted by the Bidder with its Part-I (Techno-commercial/ Unpriced bid): SCC/Scope of Work refers
12 **12 & 13**	Additional Provision for Price Schedule/ Schedule of Rate/ Bid Price are as under: _____ Whether BCPL will be able to avail input tax credit in the instant tender YES: √ NO: X
12.2	Transit Insurance shall be arranged by :- BCPL: √ SUPPLIER: X In case, transit insurance to be arranged by BCPL, the details of Transit Insurance Policy are as under:- M/s United India Insurance Company Limited, 1st Floor, Opposite Nova Furniture K.C Gogoi Path Khaliamari Dibrugarh - 786001 Assam Phone: (0373) 2321818 E-mail: gayatrihazarika@uiic.co.in Policy No. :1303012121P102973704 Contact Persons: Smt. Gayatri Hazarika

<table>
<tr><td>12.4</td><td>Delivery basis shall be
<table>
<tr><td>FOT/FOR Site, ..[Lepetkata, Dibrugarh]</td><td>√</td></tr>
<tr><td>EX-WORKS/FOT Dispatch point,</td><td>X</td></tr>
</table></td></tr>
<tr><td>13.7 and 13.8</td><td>Details of Buyer:
<table>
<tr><td>Consignee</td><td>Brahmaputra Cracker and Polymer Ltd.
Lepetkata, Dibrugarh
Assam-786006</td></tr>
<tr><td>PAN No.</td><td>AADCB2356E</td></tr>
<tr><td>GST no.</td><td>18AADCB2356E1ZY</td></tr>
<tr><td>BCPL Bank details</td><td>[Enter details]</td></tr>
</table></td></tr>
<tr><td>14</td><td>The currency of the Bid shall be INR</td></tr>
<tr><td>15</td><td>The bid validity period shall be 3 (three) months from final 'Bid Due Date'.</td></tr>
<tr><td><s>16.1</s></td><td><s>In case 'Earnest Money Deposit / Bid Security' is in the form of 'Demand Draft', the same should be favor of Brahmaputra Cracker and Polymer Ltd., payable at ____[indicate location]_____</s></td></tr>
<tr><td><s>16.9 &</s>
38.5</td><td>Bidder to mention reference no. “CPS/…….” in narration while remitting the CPS amount in BCPL’s Bank Account.
BG issuance message is to be transmitted through SFMS to beneficiary’s bank as below:

Name of Bank: ICICI Bank
Branch: GUWAHATI - FANCY BAZAR
IFSC: ICIC0000543

The issuing bank while issuing/amending the BG, should ensure that the below information is correctly captured in the message i.e. IFN 760COV/ IFN 767COV:
<table>
<tr><th>Field Number</th><th>Particulars (to be mentioned in Row 1)</th></tr>
<tr><td>7037</td><td>BCPL566911048</td></tr>
</table></td></tr>
<tr><td colspan="2">D. SUBMISSION AND OPENING OF BIDS</td></tr>
<tr><td>22</td><td>The E-Tender No. of this bidding process is: _____
_____</td></tr>
<tr><td>22.2</td><td>For submission of physical document as per clause no. 4.0 of IFB, the Owner’s address is :

Attention: Olivia Rajkumari
Brahmaputra Cracker and Polymer Limited (A Government of India Enterprise), C&P Department, Administrative Building, PO: Lepetkata, Distt.: Dibrugarh, Assam, Pin Code:786006,
Phone no. 7399018425</td></tr>
<tr><td>26</td><td>The bid opening shall take place at:</td></tr>
</table>

	Brahmaputra Cracker and Polymer Limited (A Government of India Enterprise), C&P Department, Administrative Building, PO: Lepetkata, Distt.: Dibrugarh, Assam, Pin Code:786006, Date: **10.03.2022 at 15:00 Hrs**
E. EVALUATION, AND COMPARISON OF BIDS	
32	Evaluation Methodology is mentioned in Section-II.
F. AWARD OF CONTRACT	
36	The following designated authority shall be contacted after receipt of Notification of Award for all contractual matters :- _____ _____
37.4	Whether part shipment is allowed: YES √ NO X
38	Contract Performance Security (CPS)/ Security Deposit APPLICABLE √ NOT APPLICABLE X Refer-Section-II
~~**39.2**~~	~~Name and contact details of nodal officer:~~ ~~*[dealing officer has to fill details of nodal officer of concerned site]*~~
40	Whether tendered item is non-split able or not-divisible: YES X NO √
44.1	Quarterly Closure of Contract APPLICABLE X NOT APPLICABLE √
48	Applicability of provisions relating to Startups: APPLICABLE √ NOT APPLICABLE X

फॉर्म और प्रारुप

FORMS & FORMATS

LIST OF FORMS & FORMAT

Form No.	Description
F-1	BIDDER'S GENERAL INFORMATION
F-2 (A)	DECLARATION FOR BID SECURITY
F-2 (B)	PROFORMA OF "BANK GUARANTEE" FOR "EARNEST MONEY DEPOSIT / BID SECURITY"
F-3	LETTER OF AUTHORITY
F-4	PROFORMA OF "BANK GUARANTEE" FOR "CONTRACT PERFORMANCE SECURITY / SECURITY DEPOSIT"
F-5	AGREED TERMS & CONDITIONS
F-6	ACKNOWLEDGEMENT CUM CONSENT LETTER
F-7	BIDDER'S EXPERIENCE
F-8(A)	CHECK LIST
F-8(B)	CHECKLIST FOR BID EVALUATION CRITERIA (BEC) QUALIFYING DOCUMENTS
F-9	FORMAT FOR CERTIFICATE FROM BANK IF BIDDER'S WORKING CAPITAL IS INADEQUATE
F-10	FORMAT FOR CHARTERED ACCOUNTANT CERTIFICATE FOR FINANCIAL CAPABILITY OF THE BIDDER
F-11	BIDDER'S QUERIES FOR PRE BID MEETING
F-12	E-BANKING MANDATE FORM
F-13	INTEGRITY PACT
F-14	FREQUENTLY ASKED QUESTIONS (FAQs)
F-15	UNDERTAKING REGARDING SUBMISSION OF ELECTRONIC INVOICE (E-INVOICE AS PER GST LAWS)

F-1
BIDDER'S GENERAL INFORMATION

To,
M/s Brahmaputra Cracker and Polymer Ltd.
_____

TENDER NO: **BCPL/C&P/CO21S441OR/04578**

1	Bidder Name	M/s……
2	Status of Firm	Proprietorship Firm/Partnership firm/ Limited Liability Partnership (LLP) firm/ Public Limited/ Pvt. Limited/ Govt. Dept. / PSU/ Others If Others Specify:_____ [Enclose relevant certificates / partnership deed/certificate of Registration, as applicable]
3a	Name of Proprietor/ Partners/ Directors of the firm/company [As per cl.no.4.0 of Section-III of Tender Document]	1. 2. 3.
3b	Name of Power of Attorney holders of bidder	
4	Number of Years in Operation	
5	Address of Registered Office: In case of Partnership firm, provide current address of the firm for ordering purpose.	
		City:
		District:
		State:
		PIN/ZIP:
6	Bidder's address where order/contract is to be placed *	
		City:
		District:
		State:
		PIN/ZIP:
7	Address from where Goods/ Services are to be dispatched/ provided along with GST no. (In case supply of Goods / Services are from multiple locations, addresses and GST no. of all such locations are to be provided).	City: District: State: PIN/ZIP: GST No.:

8	Telephone Number & Contact Information address where order is to be placed	_____ (Country Code) (Area Code) (Telephone No.) Mobile No. : …… e-mail ID: ……
9	Website	
10	Mobile Number:	_____
11	ISO Certification, if any	[If yes, please furnish details]
12	PAN No.	
13	GST No. (refer sl. no. 7 above)	
14	Whether Micro or Small Enterprise	Yes / No (*If Yes, Bidder to submit requisite documents c specified it ITB:Clause No. 40*)
	Whether MSE is owned by SC/ST Entrepreneur(s)	Yes / No (*If Yes, Bidder to submit requisite documents c specified it ITB:Clause No. 40*)
	Whether MSE is owned by Women	Yes / No (*If Yes, Bidder to submit requisite documents c specified it ITB:Clause No. 40*)
	Whether payment is required through TReDS	Yes / No *If Yes, please provide the name of portal* ……
15	Whether Bidder is Startup or not	Yes / No *(If Yes, Bidder to submit requisite documents c specified it ITB: Clause No. 49)*
	In case of Start-up confirm the following: (i) Date of its incorporation/ registration [The certificate shall only be valid for the entity upto ten years from the date of its incorporation/ registration] (ii) Whether turnover for any financial years since	

	incorporation/ registration has exceed Rs.100 Crores.	

Note: **BCPL intent to place the order/contract directly on the address from where Goods are produced/dispatched. In case, bidder wants order/ contract at some other address or supply of Goods from multiple locations, bidder is required to provide the address on which order is to be placed at sl.no.6 above.*

Place:
Date:

[Signature of Authorized Signatory of Bidder]
Name:
Designation:
Seal:

FORMAT F-2A

DECLARATION FOR BID SECURITY

To,

M/s BRAHMAPUTRA CRACKER AND POLYMER LTD.
_____

SUB: **CENTRALISED PROCUREMENT OF NON-IBR PIPE FITTINGS FOR ENTIRE BCPL PLANT FOR SHUTDOWN 2022 AND REGULAR O&M.**
TENDER NO: **BCPL/C&P/CO21S441OR/04578**

Dear Sir

After examining / reviewing provisions of above referred tender documents (including all corrigendum/ Addenda)**,** we M/s_____ ***(Name of Bidder)*** have submitted our offer/ bid no. …….

We, M/s_____ ***(Name of Bidder)*** hereby understand that, according to your conditions, we are submitting this Declaration for Bid Security.

We understand that we will be put on watch list/holiday/ banning list (as per polices of BCPL in this regard), if we are in breach of our obligation(s) as per following:

(a) have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or

(b) having been notified of the acceptance of our Bid by the BCPL during the period of bid validity:
  (i) fail or refuse to execute the Contract, if required, or
  (ii) fail or refuse to furnish the Contract Performance Security, in accordance provisions of tender document.
  (iii) fail or refuse to accept 'arithmetical corrections' as per provision of tender document.

(c) having indulged in corrupt/fraudulent /collusive/coercive practice as per procedure.

Place:
Date:

[Signature of Authorized Signatory of Bidder]
Name:
Designation:
Seal:

~~OR~~
~~FORMAT F-2B~~

~~PROFORMA OF "BANK GUARANTEE" FOR "EARNEST MONEY DEPOSIT/ BID SECURITY"~~

~~(To be stamped in accordance with the Stamp Act)~~

~~To,~~ ~~M/s Brahmaputra Cracker and Polymer Ltd.~~ ~~_____~~	**~~Bank Guarantee No.~~**	
	~~Date of BG~~	
	~~BG Valid up to (Expiry date)~~	
	~~Claim period up to (indicate date of expiry of claim period which includes minimum three months from the expiry date)~~	
	~~Stamp Sl. No./e-Stamp Certificate No.~~	

~~Dear Sir(s),~~

~~In accordance with Tender Document under your reference No _____ M/s. _____~~
~~having their Registered / Head Office at _____ (hereinafter called the Tenderer/Bidder), wish to participate in the said tender for~~
~~_____~~

~~As an irrevocable Bank Guarantee against Earnest Money Deposit for the amount of _____ is required to be submitted by the bidder as a condition precedent for participation in the said Tender Document which amount is liable to be forfeited on the happening of any contingencies mentioned in the Tender Document.~~

~~We, the _____ Bank at _____having our Head Office _____ (Local Address) guarantee and undertake to pay immediately on demand without any recourse to the Bidder by Brahmaputra Cracker and Polymer Ltd., the amount _____ _____ without any reservation, protest, demur and recourse. Any such demand made by Brahmaputra Cracker and Polymer Ltd., shall be conclusive and binding on us irrespective of any dispute or difference raised by the Bidder.~~

~~This guarantee shall be irrevocable and shall remain valid up to _____ [this date should be two (02) months beyond the validity of the bid].If any further extension of this guarantee is required, the same shall be extended to such required period on receiving~~

instructions from Bidder M/s. _____ on whose behalf this guarantee is issued.

Notwithstanding anything contained herein:
a) The Bank's liability under this Guarantee shall not exceed (currency in figures) . . . . . (currency in words only) . . . . .
b) This Guarantee shall remain in force upto _____ (this expiry date of BG should be two months beyond the validity of bid) and any extension(s) thereof; and
c) The Bank shall be released and discharged from all liability under this Guarantee unless a written claim or demand is issued to the Bank on or before the midnight of ……(indicate date of expiry of claim period which includes minimum three months from the expiry of this Bank Guarantee) and if extended, the date of expiry of the last extension of this Guarantee. If a claim has been received by us within the said date, all the rights of BCPL under this Guarantee shall be valid and shall not cease until we have satisfied that claim.

In witness whereof the Bank, through its authorized officer, has set its hand and stamp on this _____day of _____ 20__ at _____.

WITNESS:

(SIGNATURE) (SIGNATURE)
(NAME) (NAME)
Designation with Bank Stamp
E-Mail ID:
Telephone/Mobile No. :
(OFFICIAL ADDRESS) Attorney as per
Power of Attorney No. _____
Date: _____

INSTRUCTIONS FOR FURNISHING "BID SECURITY DEPOSIT/ EARNEST MONEY" BY "BANK GUARANTEE"

1. The Bank Guarantee by Bidders will be given on non-judicial stamp paper as per "Stamp Duty" applicable. The non-judicial stamp paper should be in the name of the issuing Bank.
2. The expiry date should be arrived at in accordance with "ITB: Clause-16.1".
3. The Bank Guarantee by bidders will be given from Bank as specified in "ITB: Clause-16.3".

~~**4.** A letter from the issuing Bank of the requisite Bank Guarantee confirming that said Bank Guarantee / all future communication relating to the Bank Guarantee shall be forwarded to the Purchaser at its address as mentioned at "ITB".~~

~~**5.** Bidder must indicate the full postal address of the Bank along with the Bank's E-mail / Fax / Phone from where the Bank Guarantee has been issued at sl.no.2 of Form F-5.~~

~~**6.** If a Bank Guarantee is issued by a commercial Bank, then a letter to be submitted to Purchaser confirming its net worth is more than Rs. 1,000,000,000.00 [Rupees One Hundred Crores] or equivalent alongwith documentary evidence or in the Bank Guarantee itself.~~

F-3

LETTER OF AUTHORITY

[Proforma for Letter of Authority for Attending 'Pre-Bid Meetings' /'Un-priced Bid Opening' / 'Price Bid Opening']

Ref: Date:

To,
M/s Brahmaputra Cracker and Polymer Ltd.

SUB: **CENTRALISED PROCUREMENT OF NON-IBR PIPE FITTINGS FOR ENTIRE BCPL PLANT FOR SHUTDOWN 2022 AND REGULAR O&M.**
TENDER NO: **BCPL/C&P/CO21S441OR/04578**

Dear Sir,

I/We, _____ hereby authorize the following representative(s) for attending Pre-Bid Meeting', 'Un-priced Bid Opening', 'Price Bid Opening' against the above Tender Document:

[1] Name & Designation _____ Signature _____
Phone/Cell: Fax:
E-mail: …….. @ ……

[2] Name & Designation _____ Signature _____
Phone/Cell: Fax:
E-mail: …….. @ ……

We confirm that we shall be bound by all commitments made by aforementioned authorised representative(s).

Place: [Signature of Authorized Signatory of Bidder]
Date: Name:
Designation:
Seal:

Note:

(i) This "Letter of Authority" should be on the **"letterhead"** of the Firm / Bidder and should be signed by a person competent and having the 'Power of Attorney' to bind the Bidder. Not more than 'two [02] persons per Bidder' are permitted to attend "Pre-Bid Meetings' /'Un-priced Bid Opening' / 'Price Bid Opening'.

(ii) Bidder's authorized representative is required to carry a copy of this authority letter while attending the 'Pre-Bid Meetings' /'Un-priced Bid Opening.

F-4

PROFORMA OF "BANK GUARANTEE" FOR "CONTRACT PERFORMANCE SECURITY / SECURITY DEPOSIT"
(ON NON-JUDICIAL STAMP PAPER OF APPROPRIATE VALUE)

To, M/s Brahmaputra Cracker and Polymer Ltd. _____	**Bank Guarantee No.**	
	Date of BG	
	BG Valid up to (Expiry date)	
	Claim period up to (indicate date of expiry of claim period which includes minimum three months from the expiry date)	
	Stamp Sl. No./e-Stamp Certificate No.	

Dear Sir(s),

M/s. _____ having registered office at _____ (herein after called the "contractor/supplier" which expression shall wherever the context so require include its successors and assignees) have been placed/ awarded the job/work of _____ vide PO/LOA /FOA No. _____dated_____ for Brahmaputra Cracker and Polymer Ltd. having registered office at 1st Floor, House No 6 Bhuban Road, Uzanbazar Guwahati, Assam Pin - 781001 (herein after called the "BCPL" which expression shall wherever the context so require include its successors and assignees).

The Contract conditions provide that the SUPPLIER/CONTRACTOR shall pay a sum of Rs. _____ (Rupees _____) as full Contract Performance Guarantee in the form therein mentioned. The form of payment of Contract Performance Guarantee includes guarantee executed by Nationalized Bank/Scheduled Commercial Bank, undertaking full responsibility to indemnify BRAHMAPUTRA CRACKER AND POLYMER LTD., in case of default.

The said M/s._____ has approached us and at their request and in consideration of the premises we having our office at _____ have agreed to give such guarantee as hereinafter mentioned.

1. We _____ hereby undertake to give the irrevocable & unconditional guarantee to you that if default shall be made by M/s. _____ in performing any of the terms and conditions of the tender/order/contract or in payment of any money payable to BRAHMAPUTRA CRACKER AND POLYMER LTD. we shall on first demand pay without demur, contest, protest and/ or without any recourse to the contractor to BCPL in such manner as BCPL may direct the said amount of Rupees

_____ only or such portion thereof not exceeding the said sum as you may require from time to time.

2. You will have the full liberty without reference to us and without affecting this guarantee, postpone for any time or from time to time the exercise of any of the powers and rights conferred on you under the order/contract with the said M/s. _____ and to enforce or to forbear from endorsing any powers or rights or by reason of time being given to the said M/s._____ and such postponement forbearance would not have the effect of releasing the bank from its obligation under this debt.

3. Your right to recover the said sum of Rs. _____ (Rupees _____) from us in manner aforesaid is absolute & unequivocal and will not be affected or suspended by reason of the fact that any dispute or disputes have been raised by the said M/s. _____ and/or that any dispute or disputes are pending before any officer, tribunal or court or arbitrator or any other authority/forum and any demand made by you in the bank shall be conclusive and binding. The bank shall not be released of its obligations under these presents by any exercise by you of its liberty with reference to matter aforesaid or any of their or by reason or any other act of omission or commission on your part or any other indulgence shown by you or by any other matter or changed what so ever which under law would, but for this provision, have the effect of releasing the bank.

4. The guarantee herein contained shall not be determined or affected by the liquidation or winding up dissolution or changes of constitution or insolvency of the said supplier/contractor but shall in all respects and for all purposes be binding and operative until payment of all money due to you in respect of such liabilities is paid.

5. The bank undertakes not to revoke this guarantee during its currency without your previous consent and further agrees that the guarantee shall continue to be enforceable until it is discharged by BCPL in writing. However, if for any reason, the supplier/contractor is unable to complete the supply/work within the period stipulated in the order/contract and in case of extension of the date of delivery/completion resulting extension of defect liability period/guarantee period of the supplier/contractor fails to perform the supply/work fully, the bank hereby agrees to further extend this guarantee at the instance of the supplier/contractor till such time as may be determined by BCPL. If any further extension of this guarantee is required, the same shall be extended to such required period on receiving instruction from M/s. _____ (contractor) on whose behalf this guarantee is issued.

6. Bank also agrees that BCPL at its option shall be entitled to enforce this Guarantee against the bank (as principal debtor) in the first instant, without proceeding against the supplier/contractor and notwithstanding any security or other guarantee that BCPL may have in relation to the supplier's/contractor's liabilities.

7. The amount under the Bank Guarantee is payable forthwith without any delay by Bank upon the written demand raised by BCPL. Any dispute arising out of or in relation to the said Bank Guarantee shall be subject to the exclusive jurisdiction of courts at Dibrugarh.

8. Therefore, we hereby affirm that we are guarantors and responsible to you on behalf of the Supplier/Contractor up to a total amount of _____(amount of guarantees in words and figures) and we undertake to pay you, upon your first written demand declaring the Supplier/Contractor to be in default under the order/contract and without caveat or argument, any sum or sums within the limits of (amounts of guarantee) as aforesaid, without your needing to prove or show grounds or reasons for your demand or the sum specified therein.
9. We have power to issue this guarantee in your favor under Memorandum and Articles of Association and the undersigned has full power to do under the Power of Attorney, dated _____ granted to him by the Bank.
10. Notwithstanding anything contained herein:

a) The Bank's liability under this Guarantee shall not exceed (currency in figures) . . . . . (currency in words only) . . . . .

b) This Guarantee shall remain in force upto _____ (this date should be expiry date of defect liability period of the Contract) and any extension(s) thereof; and

c) The Bank shall be released and discharged from all liability under this Guarantee unless a written claim or demand is issued to the Bank on or before the midnight of …….(indicate date of expiry of claim period which includes minimum three months from the expiry of this Bank Guarantee) and if extended, the date of expiry of the last extension of this Guarantee. If a claim has been received by us within the said date, all the rights of BCPL under this Guarantee shall be valid and shall not cease until we have satisfied that claim.

Yours faithfully,

_____
Bank by its Constituted Attorney

Signature of a person duly
Authorized to sign on behalf of the
Bank

INSTRUCTIONS FOR FURNISHING
"CONTRACT PERFORMANCE SECURITY / SECURITY DEPOSIT" BY "BANK GUARANTEE"

1. The Bank Guarantee by successful Bidder(s) will be given on non-judicial stamp paper as per 'stamp duty' applicable. The non-judicial stamp paper should be in name of the issuing bank.
2. The Bank Guarantee by Bidders will be given from bank as specified in cl.no. 38.2 of ITB [Section-III] of Tender Document.

3. A letter from the issuing bank of the requisite Bank Guarantee confirming that said Bank Guarantee and all future communication relating to the Bank Guarantee shall be forwarded to Purchaser.

4. If a Bank Guarantee is issued by a commercial bank, then a letter to Purchaser and copy to Consultant (if applicable) confirming its net worth is more than Rs. 100,00,00,000.00 [Rupees One Hundred Crores] or its equivalent in foreign currency alongwith documentary evidence or in the Bank Gaurantee itself.

5. Supplier shall submit attached cover letter (Annexure) while submitting Contract Performance Security / Security Deposit.

Annexure

MATTER TO BE MENTIONED IN COVERING LETTER TO BE SUBMITTED BY VENDOR ALONG WITH BANK GUARANTEE

1	**BANK GUARANTEE NO**	:	
2	**VENDOR NAME / VENDOR CODE**	:	**NAME** / **VENDOR CODE**
3	**BANK GUARANTEE AMOUNT**	:	
4	**PURCHASE ORDER/ LOA NO**	:	
5	**NATURE OF BANK GUARANTEE** (Please Tick (√) Whichever is Applicable	:	**PERFORMANCE BANK GUARANTEE** / **SECURITY DEPOSIT** / **EMD** / **ADVANCE**
6	**BG ISSUED BANK DETAILS**	:	**(A) EMAIL ID :** **(B) ADDRESS :** **(C) PHONE NO/ MOBILE NO. :**

F-5

AGREED TERMS & CONDITIONS

To,

M/s Brahmaputra Cracker and Polymer Ltd.

_____

SUB: **CENTRALISED PROCUREMENT OF NON-IBR PIPE FITTINGS FOR ENTIRE BCPL PLANT FOR SHUTDOWN 2022 AND REGULAR O&M.**
TENDER NO: **BCPL/C&P/CO21S441OR/04578**

This Format duly filled in, signed & stamped must form part of Bidder's Bid and must be submitted in Part –I (Un-priced Bid). Clauses confirmed hereunder need not be repeated in the Bid.

Sl.	DESCRIPTION	BIDDER'S CONFIRMATION
1.	Bidder's name, Vendor Code of BCPL (if any) and address (FOA/Order shall be released in this name)	Bidder's name : BCPL's Vendor Code: Address:
2.	Bidder furnishes bid security declaration~~– OR EMD/Bid Security details as under~~ ~~a) EMD/ Bid Security No. & date~~ ~~b) Value~~ ~~c) Validity~~ d) ~~Bank Address/e-mail ID/Mobile no. [in case of BG]~~	
3.	Bidder confirms that the currency of quoted prices is in Indian Rupees.	
4.	Bidder confirms that quoted prices will remain firm and fixed (except where price escalation/variation is allowed in the Tender) till complete execution of the order.	
5.	Bidder confirms that quoted prices are strictly as per Price Schedule format of the Tender Document.	
6.	Bidder specify the Dispatch Point [Location, Dist. & State from where material will be dispatched]:	
7.	Bidder confirms acceptance of relevant Terms of Payment specified in the Bid Document.	
8.	Bidder confirms that Contract Performance Security/ Security Deposit (CPS) will be furnished as per Bid Document within 30 days of FOA in case of successful bidder.	
9.	Bidder confirms that CPS shall be from any Indian scheduled bank or a branch of an International bank situated in India and	

Sl.	DESCRIPTION	BIDDER'S CONFIRMATION
	registered with Reserve bank of India as scheduled foreign bank. However, in case of bank guarantees from banks other than the Nationalised Indian banks, the bank must be a commercial bank having net worth in excess of Rs 100 crores and a declaration to this effect shall be made by such commercial bank either in the Bank Guarantee itself or separately on its letterhead.	
10.	Bidder confirms acceptance to Delivery/Completion Period as per Bid Document and the same shall be reckoned from the date of Fax of Acceptance (FOA).	
11.	(i) Bidder confirms acceptance of Price Reduction Schedule (PRS) for delay in delivery as specified in Bid Document. (ii) In case of delay, the bills shall be submitted after reducing the price reduction due to delay (refer PRS Clause).	
12.	a) Bidder confirms acceptance of all terms and conditions of Bid Document (all sections & enclosures). b) Bidder confirms that printed terms and conditions of Bidder are not applicable.	
13.	Bidder confirms that their offer is valid for period specified in BDS from the final 'Bid Due Date'.	
14.	Bidder confirms that (i) none of Directors (in Board of Director) of bidder is a relative of any Director (in Board of Director) of BCPL or (ii) the bidder is not a firm in which any Director (in Board of Director) of BCPL or their relative is a partner.	
15.	Bidder confirms that all correspondence must be in ENGLISH language only.	
16.	Bidder confirms that all Bank charges associated with Bidder's Bank regarding release of payment etc. shall be borne by Bidder.	
17.	Bidder confirms that the quoted prices is in compliance with the Section 171 of CGST Act/ SGST Act as mentioned as clause no. 13.10 of ITB (Anti-profiteering clause)	
18.	Bidder confirms that they have quoted GST (CGST & SGST/ UTGST or IGS **)** in Price Schedule of Price Bid.	
19.	Whether in the instant tender items are covered in reverse charge rule of GST (CGST & SGST/UTGST or IGST). If yes, Bidder confirms that they have quoted GST (CGST & SGST/ UTGST or IGST**)** in Price Schedule / Schedule of Rates of Price Bid	Yes/ No

Sl.	DESCRIPTION	BIDDER'S CONFIRMATION
20.	Bidder confirms that they have mentioned Harmonized System Nomenclature (HSN) in Price Schedule of Price Bid.	
21.	Bidder confirms that (i) any variation in GST at the time of supplies for any reasons, other than statutory, including variations due to turnover, shall be borne by them and (ii) any error of interpretation of applicability of rate of GST (CGST & SGST/ UTGST or IGST) on components of an item and/or various items of tender by them shall be to bidder's account.	
22.	Whether bidder is liable to raise E-Invoice as per GST Act.	Yes/No
	If yes, bidder will raise E-Invoice and confirm compliance to provision of tender in this regard.	
23.	**Part Order:** (a) Bidder confirms acceptance to Part Order. (b) Bidder confirms that any charges quoted extra as lumpsum shall be applicable prorata on value basis in the event of part order.	
24.	**Testing and Inspection charges:** Bidder confirms that goods and services are subject to stage-wise and final Inspection by Owner / Owner's Authorized representative. Travel, Living and Personnel expenses of Owner / Authorized representative shall be borne by Owner / authorized representative.	*[Dealing officer to incorporate depending upon applicable of pre-dispatch inspection (PDI) at vendor works]*
25.	No Deviation Confirmation: It may be note that any 'deviation / exception' in any form may result in rejection of Bid. Therefore, Bidder confirms that they have not taken any 'exception / deviation' anywhere in the Bid. In case any 'deviation / exception' is mentioned or noticed, Bidder's Bid may be rejected.	
26.	If the Bidder becomes a successful Bidder pursuant to the provisions of the Tender Document, the following Confirmation shall be automatically become enforceable: "Bidder agrees and acknowledges that the Employer is entering into the Contract/Agreement solely on its own behalf and not on behalf of any other person or entity. In particular, it is expressly understood & agreed that the Government of India is not a party to the Contract/Agreement and has no liabilities, obligations or rights thereunder. It is expressly understood and agreed that the Purchaser is authorized to enter into Contract/Agreement, solely on its own behalf under the applicable laws of India. Bidder	

Sl.	DESCRIPTION	BIDDER'S CONFIRMATION
	expressly agrees, acknowledges and understands that the Purchaser is not an agent, representative or delegate of the Government of India. It is further understood and agreed that the Government of India is not and shall not be liable for any acts, omissions, commissions, breaches or other wrongs arising out of the Agreement. Accordingly, Bidder hereby expressly waives, releases and foregoes any and all actions or claims, including cross claims, VIP claims or counter claims against the Government of India arising out of the Agreement and covenants not to sue to Government of India as to any manner, claim, cause of action or things whatsoever arising of or under the Agreement."	
27.	Bidder hereby confirms that they are not on 'Holiday' by BCPL/GAIL or Public Sector Project Management Consultant (like EIL, Mecon only due to "poor performance" or "corrupt and fraudulent practices") or banned by Government department/ Public Sector on due date of submission of bid. Further, Bidder confirms that neither they nor their allied agency/(ies) (as defined in the Procedure for Action in case of Corrupt/ Fraudulent/ Collusive/ Coercive Practices) are on banning list of BCPL/GAIL or the Ministry of Petroleum and Natural Gas.	
28.	As per requirement of tender, bidder (having status as Pvt. Ltd. or Limited company) must upload bid duly digitally signed on e-portal through class-3B digital signature (DS). In case, class of DS or name of employee or name of employer is not visible in the digitally signed documents, the bid digitally signed as submitted by the person shall be binding on the bidder.	
29.	The contents of this Tender Document have not been modified or altered by Bidder. In case, it is found that the tender document has been modified / altered by the bidder, the bid submitted by them shall be liable for rejection.	
30.	Bidder confirms that they have read and understood the General Conditions of Contract – Goods available on BCPL's Tender website (http://etenders.gov.in) & no 'exception / deviation' anywhere has been taken in the same and that they shall abide by provisions of relevant GCC-Goods.	
31.	Bidder certifies that they ~~would adhere to the Fraud Prevention Policy of BCPL [available on BCPL's website~~	

Sl.	DESCRIPTION	BIDDER'S CONFIRMATION
	~~(~~https://www.bcplonline.co.in/UploadFiles/PROCEDUREFORACTION.pdf ~~)]~~ ~~and~~ shall not indulge themselves or allow others (working in BCPL) to indulge in fraudulent activities and that they would immediately apprise BCPL of the fraud/suspected fraud as soon as it comes to their notice. Concealment of facts regarding their involvement in fraudulent activities in connection with the business transaction(s) of BCPL is liable to be treated as crime and dealt with by the procedures of BCPL as applicable from time to time.	
32.	GeM Seller ID on Government e-Marketplace (GeM) is	GeM Seller ID : …… OR We hereby confirm to obtain GeM Seller ID and communicate to BCPL for incorporation of same in Purchase Order/ Letter of Acceptance, in case of award on us.
33.	Bidders confirm to submit signed copy of Integrity Pact (wherever included in tender). If Bidder is a partnership concern or a consortium, this agreement must be signed by all partners or consortium members.	Not Applicable
34.	Confirm that, in case of contradiction between the confirmations provided in this format and terms & conditions mentioned elsewhere in the offer, the confirmations given in this format shall prevail.	

Place:
Date:

[Signature of Authorized Signatory of Bidder]
Name:
Designation:
Seal:

F-6
ACKNOWLEDGEMENT CUM CONSENT LETTER

(On receipt of Tender Document/information regarding the tender, Bidder shall acknowledge the receipt and confirm his intention to bid or reason for non-participation against the enquiry /tender through e-mail/fax to Purchase Officer in BCPL who issued the Tender Document, by filling up the Format)

To,
M/s Brahmaputra Cracker and Polymer Ltd.

_____

SUB: **CENTRALISED PROCUREMENT OF NON-IBR PIPE FITTINGS FOR ENTIRE BCPL PLANT FOR SHUTDOWN 2022 AND REGULAR O&M.**
TENDER NO: **BCPL/C&P/CO21S441OR/04578**

Dear Sir,

We hereby acknowledge receipt of a complete set of Tender Document along with enclosures for subject item/job and/or the information regarding the subject tender.

- We intend to bid as requested for the subject item/job and furnish following details with respect to our quoting office:
  Postal Address with Pin Code: .....
  Telephone Number : .....
  Fax Number : .....
  Contact Person : .....
  E-mail Address : .....
  Mobile No. : .....
  Date : .....
  Seal/Stamp : .....

- We are unable to bid for the reason given below:

  Reasons for non-submission of bid:

_____

Agency's Name : .....
Signature : .....
Name : .....
Designation : .....
Date : .....
Seal/Stamp : .....

F-7

BIDDER'S EXPERIENCE

To,

M/s Brahmaputra Cracker and Polymer Ltd.

_____

SUB: **CENTRALISED PROCUREMENT OF NON-IBR PIPE FITTINGS FOR ENTIRE BCPL PLANT FOR SHUTDOWN 2022 AND REGULAR O&M.**
TENDER NO: **BCPL/C&P/CO21S441OR/04578**

Sl. No	Descri-ption of the Supply/ Services	PO/ Contr-act No. and date	Full Postal Address & phone nos. of Client.	Value of Contract/ Order (*Specify* Currency Amount)	Date of Commence ment	Scheduled Completion/ Delivery Period (Months)	Date of Actual Compl-etion	Reasons for delay in execu-tion, if any
(1)	(2)	(3)	(5)	(6)	(7)	(8)	(9)	(10)

Place:
Date:

[Signature of Authorized Signatory of Bidder]
Name:
Designation:
Seal:

F-8 (A)
CHECK LIST

Bidders are requested to duly fill in the checklist. This checklist gives only certain important items to facilitate the Bidder to make sure that the necessary data/information as called for in the Tender Document has been submitted by them along with their offer/Bid. This, however, does not relieve the Bidder of his responsibilities to make sure that his Bid is otherwise complete in all respects.

Please ensure compliance and tick (√) against following points:

S. No.	DESCRIPTION	CHECK BOX	REFERENCE PAGE NO. OF THE BID SUBMITTED
1.0	Confirm that the following details have been submitted in the Un-priced part of the Bid		
i	Covering Letter, Letter of Submission		
ii	Declaration for Bid Security		
iii	Digitally signed Tender Document along with drawings and addendum (if any)		
iv	Power of Attorney in the name of person signing the bid.		
v	Confirm submission of documents alongwith unpriced bid as per tender requirement (including cl.no.11.1.1 of Section-III).		
2.0	Confirm that all forms duly filled in are enclosed with the bid duly signed by authorised person(s)		
3.0	Confirm that the price part as per Price Schedule format uploaded in e-portal.		
4.0	Confirm that Undertaking as per Form 1 of Annexure-V to Section-III has been submitted (applicable for MSE and PP-LC bidder).		
5.0	Confirm that Undertaking as per *Form-2 to Annexure-V to Section-III* and Certification from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of other than companies) as per *Form-3 to Annexure-V to Section-III* are submitted. In case a bidder is quoting on behalf of a		

	manufacturer, in addition to *Form -2 and Form-3 to Annexure-V* to Section-III, the bidder is required to submit *Form -4 and Form-5 to Annexure-V to Section-III* to be signed by the manufacturer and the statutory auditor /cost auditor/ practicing cost accountant/practicing chartered accountant of that manufacturer respectively.		
6.0	Confirm that Undertaking as per Form-1 to Section-II have been submitted by the bidder (Guidelines from Procurement from a Country sharing a Land Border with India)		
7.0	Confirm submission of Checklist against Bid Evaluation Criteria as per format F-8(B)		

Place:
Date:

[Signature of Authorized Signatory of Bidder]
Name:
Designation:
Seal:

F-8(B)
CHECKLIST FOR BID EVALUATION CRITERIA (BEC) QUALIFYING DOCUMENTS
(refer Section II of Tender document)

BEC Clause No.	Description	Documents required for qualification	Documents Submitted by Bidder	Documents attested as per Section-II of Tender	Reference Page No. of the Bid submitted
	Technical BEC				
1.	**Experience**	***As per Section-II of tender***		Yes/No	
2.	**Job executed for Subsidiary / Fellow subsidiary/ Holding company.**	Tax paid invoice(s) duly certified by statutory auditor of the bidder towards payment of statutory tax in support of the job executed for Subsidiary / Fellow subsidiary/ Holding company.		Yes/No	

3.	**Any other technical criteria in BEC**	***As per Section-II of tender***		Yes/No	
	Financial BEC				
1.	**Annual Turn Over**	Audited Financial Statements [including Auditor's Report, Balance sheet, Profit & Loss Accounts statements, Notes & schedules etc.] for last Audited Financial Year. [In case the Annual Turnover criteria is not met in last Audited Financial Year, then the Audited Financial Statements for previous two years of last Audited Financial Year is to be submitted]	Submitted (*Mention specific year*……)	Yes/No	
2.	**Net Worth**	Audited Financial Statements [including Auditor's Report, Balance sheet, Profit & Loss Accounts statements, Notes & schedules etc.] for last Audited Financial Year.	Submitted (M*ention specific year* ……)	Yes/No	
3.	**Working Capital**	Audited Financial Statements [including Auditor's Report, Balance sheet, Profit & Loss Accounts statements, Notes & schedules etc.] for last Audited Financial Year. If the bidder's working capital is negative or inadequate,	Submitted (*Mention specific year*……)	Yes/No	

		the bidder shall submit a letter (in prescribed format) from their bank having net worth not less than Rs.100 Crores, confirming the availability of line of credit for at least working capital requirement as stated above.	Submitted/ Not Applicable *(Bidder to tick appropriate option)*		
4.	**Format for Details of financial capability of Bidder**	Bidder shall submit "Details of financial capability of Bidder" in prescribed format duly signed and stamped by a chartered accountant / Certified Public Accountant (CPA).	Submitted		

Place:
Date:

[Signature of Authorized Signatory of Bidder]
Name:
Designation:
Seal:

F-9

FORMAT FOR CERTIFICATE FROM BANK
IF BIDDER'S WORKING CAPITAL IS INADEQUATE/NEGATIVE

(To be provided on Bank's letter head)

Date:

To,
M/s. Brahmaputra Cracker and Polymer Ltd.

Dear Sir,

This is to certify that M/s …….. (name of the Bidder with address) (hereinafter referred to as Customer) is an existing Customer of our Bank.

The Customer has informed that they wish to bid for BCPL's Tender No. **BCPL/C&P/CO21S441OR/04578** dated **@.@.2022** for ……..(Name of the supply/work/services/consultancy) and as per the terms of the said Tender Document they have to furnish a certificate from their Bank confirming the availability of line of credit.

Accordingly M/s …….. (name of the Bank with address) confirms availability of line of credit to M/s …….. (name of the Bidder) for at least an amount of Rs. _____

It is also confirmed that the net worth of the Bank is more than Rs. 100 Crores (or Equivalent USD) and the undersigned is authorized to issue this certificate.

Yours truly

for …… (Name & address of Bank)

(Authorized signatory)
Name of the signatory :
Designation :
Email Id :
Contact No. :
Stamp

Note:
This Declaration Letter for line of credit shall be from single bank only. Letters from multiple banks shall not be applicable. However, banking syndicate will be acceptable wherein a group of banks can jointly provide line of credit to the bidder.

F-10

FORMAT FOR CHARTERED ACCOUNTANT CERTIFICATE/ CERTIFIED PUBLIC ACCOUNTANT (CPA) FOR FINANCIAL CAPABILITY OF THE BIDDER

We have verified the Audited Financial Statements and other relevant records of M/s…… (Name of the bidder) and certify the following:

A. AUDITED ANNUAL TURNOVER* OF LAST 3 YEARS:

Year	Amount (Currency)
Year 1:	
Year 2:	
Year 3:	

B. NETWORTH* AS PER LAST AUDITED FINANCIAL STATEMENT:

Description	**Year _____**
	Amount (Currency)
1. Net Worth	

C. WORKING CAPITAL* AS PER LAST AUDITED FINANCIAL STATEMENT:

Description	**Year _____**
	Amount (Currency)
1. Current Assets	
2. Current Liabilities	
3. Working Capital (Current Assets-Current liabilities)	

Refer Instructions on page 2 of 2

Note: It is further certified that the above mentioned applicable figures are matching with the returns filed with Registrar of Companies (ROC) [Applicable only in case of Indian Companies]

Name of Audit Firm:
Chartered Accountant/CPA
Date:

[Signature of Authorized Signatory]
Name:
Designation:
Seal:
Membership No.:
UDIN:

Instructions for Format F-10:

1. The Separate Pro-forma shall be used for each member in case of JV/ Consortium.

2. The financial year would be the same as one normally followed by the bidder for its Annual Report.

3. The bidder shall provide the audited annual financial statements as required for this Tender document. Failure to do so would result in the Proposal being considered as non-responsive.

4. For the purpose of this Tender document:
   (i) **Annual Turnover** shall be "Revenue from Operations" as per Profit & Loss account of audited annual financial statements
   (ii) **Working Capital** shall be "Current Assets less Current liabilities" and
   (iii) **Net Worth** shall be Paid up share capital plus Free Reserves & Surplus less accumulated losses, deferred expenditure and miscellaneous expenditure not written off, if any**.**

5. **Above figures shall be calculated after considering the qualification, if any, made by the statutory auditor on the audited financial statements of the bidder including quantified financial implication.**

6. This certificate is to be submitted on the letter head of Chartered Accountant/CPA.

F-11

BIDDER'S QUERIES FOR PRE BID MEETING

To,
M/s Brahmaputra Cracker and Polymer Ltd.
Sub : **CENTRALISED PROCUREMENT OF NON-IBR PIPE FITTINGS FOR ENTIRE BCPL PLANT FOR SHUTDOWN 2022 AND REGULAR O&M**
Tender No : **BCPL/C&P/CO21S441OR/04578**

SL. NO.	REFERENCE OF TENDER DOCUMENT				BIDDER'S QUERY	BCPL'S REPLY
	SEC. NO.	Page No.	Clause No.	Subject		

NOTE: The Pre-Bid Queries may be sent by fax / e-mail before due date for receipt of Bidder's queries in terms of Clause No. 8.1 of ITB.

SIGNATURE OF AUTHORISED REPRESENTATIVE OF BIDDER**:** _____
NAME OF BIDDER : _____

F-12

E-Banking Mandate Form

(APPLICABLE ONLY IN CASE BIDDER'S BANK ACCOUNT IS NOT MAPPED IN BCPL)

(To be issued on vendors letter head)

1. Vendor/customer Name :

2. Vendor/customer Code:

3. Vendor /customer Address:

4. Vendor/customer e-mail id:

5. Particulars of bank account
   a) Name of Bank
   b) Name of branch
   c) Branch code:
   d) Address:
   e) Telephone number:
   f) Type of account (Current/Savings/Overdraft/CC account etc.)
   g) Account Number:
   h) RTGS IFSC code of the bank branch
   i) NEFT IFSC code of the bank branch
   j) 9 digit MICR code

I/We hereby authorize Brahmaputra Cracker and Polymer Ltd. to release any amount due to me/us in the bank account as mentioned above. I/We hereby declare that the particulars given above are correct and complete. If the transaction is delayed or lost because of incomplete or incorrect information, we would not hold the Brahmaputra Cracker and Polymer Ltd. responsible.

(Signature of vendor/customer)

BANK CERTIFICATE

We certify that ---------- has an Account no. ---------- with us and we confirm that the details given above are correct as per our records.
Bank stamp

Date

(Signature of authorized officer of bank)
Name:
Designation:
Emp. ID:

F-13
INTEGRITY PACT



INTEGRITY PACT

INTRODUCTION:

BCPL as one of its endeavour to maintain and foster most ethical and corruption free business environment, have decided to adopt the Integrity Pact, a tool developed by the Transparency International, to ensure that all activities and transactions between the Company (BCPL) and its Counterparties (Bidders, Contractors, Vendors, Suppliers, Service Providers/Consultants etc.) are handled in a fair and transparent manner, completely free of corruption.

Considering the above, the details mentioned at attached Annexure-1 are applicable as stated in Instruction to Bidders of Bid Document in addition to the existing stipulation regarding Corrupt and Fraudulent Practices.

The attached copy of the Integrity Pact at Annexure- 2 shall be included in the Bid submitted by the bidder (to be executed by the bidder for all tenders of value Rs. 1 (One) crore and above). In case a bidder does not sign the Integrity Pact, his bid shall be liable for rejection.

for Integrity Pact

(Pranjal Kumar Phukan)

ANNEXURE-1

Bidder is required to sign the Integrity Pact with BCPL as per format & terms and conditions enclosed with tender. In case a bidder does not sign the Integrity Pact, his bid shall be liable for rejection.

I COMMITMENTS AND OBLIGATIONS OF THE "COUNTERPARTY"

a) The Counterparty, directly or indirectly (through agent, consultant, advisor, etc.), shall not pay any bribe/ influence or give undue/ unlawful benefit to anyone to gain undue advantage in dealing with BCPL.

b) The Counterparty will not engage in collusion of any kind including price fixation etc. with other Counterparts.

c) The counterparty will not pass BCPL's confidential information to any third party unless specifically authorized by BCPL in writing.

d) The Counterparties shall promote and observe best ethical practices within their respective organizations.

e) The Counterparty shall inform the Independent External Monitor.
   i) If it received any demand, directly or indirectly, for a bribe/ favour or any illegal gratification/ payment / benefit;
   ii) If it comes to know of any unethical or illegal payment / benefit;
   iii) If it makes any payment to any BCPL associate.

f) The Counterparty shall not make any false or misleading allegations against BCPL or its associates.

II VIOLATIONS & CONSEQUENCES:

a) If a Counterparty commits a violation of its Commitments and Obligations under the Integrity Pact Programme during bidding process, their entire Earnest Money Deposit/ Bid Security, would be forfeited and in addition, action shall be taken as per **"Procedure for action in case Corrupt /Fraudulent/ Collusive/Coercive Practices"**

b) In case of violation of the Integrity pact by Counterparty after award of the Contract, BCPL shall be entitled to terminate the Contract. Further, BCPL would forfeit the security deposits/ Contract Performance Bank Guarantee and in addition, action shall be taken as per **"Procedure for action in case Corrupt /Fraudulent/ Collusive/Coercive Practices"**

for Integrity Pact

(Pranjal Kumar Phukan)

INDEPENDENT EXTRNAL MONITORS (IEMS)

Presently the panel consisting of the following Independent External Monitors (IEMs) has been appointed by BCPL, in terms of Integrity Pact (IP) which forms part of BCPL Tenders / Contracts.

i) Sh. S. Srinivasan [email:s.srinivasan1980@gmail.com]
ii) Sh. Mukesh Kumar Jain [email:mkj108@gmail.com]

This panel is authorised to examine / consider all references made to it under this tender/ contract. The bidder(s) , in case of any dispute(s) / complaint(s) pertaining to this tender may raise the issue either with the designated tender/contract issuing officer or Nodal Officer (presently Pranjal Phukan, CM (C&P)- Email pranjalk.phukan@bcplindia.co.in) in BCPL or directly with the IEMs on the panel or IEM c/o Chief Vigilance Officer, GAIL (India) Limited, GAIL Bhawan, 16, BhikaijiCama Place, R.K. Puram, New Delhi – 110066.

for Integrity Pact
(Pranjal Kumar Phukan)

ANNEXURE-2

INTEGRITY PACT

(To be executed on plain paper)

Between Brahmaputra Cracker and Polymer Ltd., a Government of India Public Sector, (here-in-after referred to as "Principal ").

AND

_____(here-in-after referred to as "The Bidder/ Contractor").

(Principal and the Bidder / Contractor are here-in-after are referred to individually as "Party" or collectively as "Parties").

PREAMBLE

The Principal intends to award under laid down organizational procedures, contract/s for_____. The Principal values full compliance with all relevant laws of land rules, regulations, and economic use of resources and of fairness /transparency in its relations with its Bidder (s) and/or Contractor (s).

In order to achieve these goals, the Principal will appoint Independent External Monitors (IEMs) who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1 – Commitments of the Principal

1. The Principal commits itself to take all measures necessary to prevent corruption and to observe the following Principles:-

i) No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or for a third person, any material or immaterial benefit which the person is not legally entitled to.

ii) The Principal will, during the tender process treat all Bidder(s) with equity and reasons. The Principal will in particular, before and during the tender process , provide to all Bidder (s) the same information and will not provide to any Bidder (s) confidential / additional information through which the Bidder (s) could obtain an advantage in relation to the tender process or the contract execution.

iii) The Principal will exclude from the process all known prejudiced persons.



2. If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal Code (IPC)/ Prevention of Corruption Act (PC Act), or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officers and in addition can initiate disciplinary actions.

Section 2 – Commitments of the Bidder (s)/Contractor (s)

1. The Bidder (s) / Contractor (s) commits themselves to take all measures necessary to prevent corruption. The Bidder (s)/ Contractor (s) commits themselves to observe the following principles during participation in the tender process and during the contract execution:

i) The Bidder (s) / Contractor (s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he / she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.

ii) The Bidder (s) / Contractor (s) will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other action to restrict competitiveness or to introduce cartelisation in the bidding process.

iii) The Bidder (s) / Contractor (s) will not commit any offence under the relevant IPC/PC Act; further, the Bidder (s) / Contractor (s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

iv) The Bidder (s)/ Contractor (s) of foreign origin shall disclose the name and address of the Agents/ representatives in India, if any. Similarly, the Bidder (s)/ Contractor (s) of Indian Nationality shall furnish the name and address of the foreign principals, if any. Further, all the payments made to the Indian agent/ representative have to be in India Rupees only.

v) The Bidder (s) / Contractor (s) will, when presenting their bid, disclose any and all payments made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.



vi) Bidder(s) / Contractor(s) who have signed the Integrity Pact shall not approach the Courts while representing the matter to IEMs and shall wait for their decision in the matter.

2. The Bidder(s)/ Contractor(s) shall not instigate third person to commit offences outlined above or be an accessory to such offences.

Section 3 – Disqualification from tender process and exclusion from future contracts

If the Bidder (s) / Contractor (s), before award or during execution has committed a transgression through a violation of Section 2, above or in any other form such as to put their reliability or credibility in question, the Principal is entitled to disqualify the Bidder (s) / Contractor (s) from the tender process or take action as per provisions of **"Procedure for action in case Corrupt /Fraudulent/ Collusive/Coercive Practices"**.

Section 4 – Compensation for Damages

1. If the Principal has disqualified the Bidder (s) from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit / Bid Security .

2. If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to Section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages equal to the Contract Value or the amount equivalent to Performance Bank Guarantee.

Section 5 – Previous transgression

1. The Bidder declares that no previous transgression occurred in the last three years, with any other Company in any country conforming to the anti-corruption approach or with any Public Sector Enterprise in India that could justify his exclusion from the tender process.

2. If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or actions can be taken as per provisions of **"Procedure for action in case Corrupt /Fraudulent/ Collusive/Coercive Practices"**

Section 6 – Equal treatment to all Bidders / Contractors / Subcontractors

1. In case of sub-contracting, the Principal contractor shall take the responsibility of the adoption of IP by the sub-contractor. It is to be ensured by him that all sub-contractors also sign the IP.

2. The Principal will enter into agreements with identical conditions as this one with all Bidders and Contractors.

for Integrity Pact
(Pranjal Kumar Phukan)

3. The Principal will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

Section 7 – Criminal charges against violating Bidder (s) / Contractor (s) / Sub-contractor (s)

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the same to the Chief Vigilance Officer.

Section 8 –Independent External Monitor / Monitors

1. The Principal appoints competent and credible Independent External Monitor for this Pact after approval by Central Vigilance Commission. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.

2. The Monitor is not subject to instructions by the representatives of the parties and performs his/her functions neutrally and independently. The Monitor would have access to all documents/records pertaining to the contract for which a complaint or issue is raised before them, as and when warranted. However, the documents/records/information having National Security implications and those documents which have been classified as Secret/Top Secret are not to be disclosed. It will be obligatory for him/ her to treat the information and documents of the Bidders/ Contractors as confidential. He/she reports to the MD, BCPL.

4. The Bidder (s)/ Contractor (s) accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Contractor. The Contractor will also grant the Monitor, upon his/her request and demonstration of a valid interest, unrestricted and unconditional access to their project documentation. The same is applicable to Sub-contractors.

5. The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.

6. As soon as the Monitor notices, or believes to notice, a violation of this agreement, he/she will so inform the Management of the Principal and request the Management to discontinue or to take corrective action, or to take other relevant action. The monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.

for Integrity Pact

(Pranjal Kumar Phukan)

7. The Monitor will submit a written report to the MD, BCPL within 30 days from the date of reference or intimation to him by the 'Principal' and, should the occasion arise, submit proposals for correcting problematic situations.

8. If the Monitor has reported to the MD, BCPL, a substantiated suspicion of an offence under relevant IPC/PC Act, and the MD, BCPL has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, then only in case of very serious issue having a specific, verifiable Vigilance angle, the matter should be reported directly to the Central Vigilance Commission.

9. The word 'Monitor' would include both singular and plural.

10. In case of any complaints referred under IP Program, the role of IEMs is advisory and would not be legally binding and it is restricted to resolving the issues raised by an intending bidder regarding any aspect of the tender which allegedly restricts competition or bias towards some bidder.

11. After award of contract, the IEMs shall look into any issue relating to execution of contract, if specifically raised before them. As an illustrative example, if a contractor who has been awarded the contract, during the execution of contract, raises issue of delayed payment etc. before the IEMs, the same shall be examined by the panel of IEMs.

Section 9 – Pact Duration

This Pact begins when both parties have legally signed it. It expires for the Contractor 12 months after the last payment under the respective contract, and for all other Bidders 6 months after the contract has been awarded. Any violation to the same wouldentail disqualification of the bidders and exclusion from future business dealing.

If any claim is made / lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/determined by the MD, BCPL.

Section 10 – Miscelleneous provisions

1. This agreement is subject to Indian Law. Place of performance and exclusive jurisdiction is the Registered Office of the Principal, i.e. Guwahati.

2. Changes and supplements as well as termination notices, if any, need to be made in writing. Side agreements have not been made.

3. If the Contractor / Bidder is a Joint Venture or a partnership concern or a consortium, this agreement must be signed by all partners or consortium members.

4. Should one or several of the provisions of this agreement turn out to be invalid, the remainder of this agreement shall remain valid. In this case, the parties will strive to come to an agreement to their original intentions in such a case.

for Integrity Pact
(Pranjal Kumar Phukan)

5. Issues like warranty / guarantee, etc. shall be outside the purview of IEMs.

6. In the event of any contradiction between the Integrity Pact and its Annexure, the Clause in Integrity Pact will prevail.

for Integrity Pact

(Pranjal Kumar Phukan)

---------- ----------

(For & on Behalf of Principal) (For & on Behalf of Bidder/Contractor)

(Office Seal) (Office Seal)

Place ----------
Date ----------

Witness 1:
(Name & Address) ……
……
……

Witness 2:
(Name & Address) ……
……
……

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FREQUENTLY ASKED QUESTIONS (FAQs)

SL.NO.	QUESTION	ANSWER
1.0	Can any vendor quote for subject Tender?	Yes. A Vendor has to meet Bid Evaluation Criteria given under Section II of Tender document in addition to other requirements.
2.0	Should the Bid Evaluation Criteria documents be attested?	Yes. Please refer Section II of Tender document
3.0	Is attending Pre Bid Meeting mandatory.	No. Refer Clause No. 17 of Instruction to Bidders of Tender Document. However attending Pre Bid Meeting is recommended to sort out any issue before submission of bid by a Bidder.
4.0	Can a vendor submit more than 1 offer?	No. Please refer Clause No. 4 of Instruction to Bidders of Tender Document.
5.0	Is there any Help document available for e-Tender.	Yes. Refer Annexure III to Instructions to Bidders of Tender Document and FAQs as available on GAIL E-Tender portal.
6.0	Are there are any MSE (Micro & Small Enterprises) benefits available?	Yes. Refer Clause No. 40 of Instructions to Bidders of Tender Document.
7.0	Are there are any benefits available to Startups?	Refer Clause No. 48 of Instructions to Bidders of Tender Document.

All the terms and conditions of Tender remain unaltered.

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UNDERTAKING REGARDING SUBMISSION OF ELECTRONIC INVOICE (E-INVOICE AS PER GST LAWS)
(to be submitted on letter head along with documents for release of payment)

To,
M/s GAIL (INDIA) LIMITED
……

SUB: ……
PO NO: …….

Dear Sir,

We _____ (Name of the Supplier) hereby confirm that E-Invoice provision as per the GST Law is

(i) Applicable to us [ ]

(ii) Not Applicable to us [ ]

(Supplier is to tick appropriate option (✓ or X) above).

In case, same is applicable to us, we confirm that we will submit E-Invoice after complying with all the requirements of GST Laws. If the invoice issued without following this process, such invoice can-not be processed for payment by GAIL as no ITC is allowed on such invoices. We also confirm that If input tax credit is not available to GAIL for any reason attributable to Supplier (both for E-invoicing cases and non-E-invoicing cases), then GAIL shall not be obligated or liable to pay or reimburse GST (CGST & SGST/UTGST or IGST) claimed in the invoice(s) and shall be entitled to deduct / setoff / recover such GST amount (CGST & SGST/UTGST or IGST) or Input Tax Credit amount together with penalties and interest, if any, by adjusting against any amounts paid or becomes payable in future to the Supplier under this contract or under any other contract.

Place:
Date:

[Signature of Authorized Signatory of Bidder]
Name:
Designation:
Seal:

भाग – IV
SECTION – IV

संविदा की सामान्य शर्तें) जीसीसी(
GENERAL CONDITIONS OF CONTRACT (GCC)

Dear Sir,

In reference to the Tender number **BCPL/C&P/CO21S441OR/04578** dated **22.02.2022**, I / we have read the following Conditions of Contract as per the list below which is available in the BCPL website and I / We have agreed to all the conditions as printed in the Contract/s in entirety unconditionally.

GCC: https://www.bcplonline.co.in/UploadFiles/GCC_Goods.pdf

Thanking you,

(Sign of the authorized signatory with the Company/ Firm seal)

Name:

Designation:

Company Seal:

भाग– V

SECTION – V

संविदा की विशेष शर्तें (एससीसी) और कार्य स्कोप
SPECIAL CONDITION OF CONTRACT (SCC) & SCOPE OF WORK

SPECIAL CONDITIONS OF CONTRACT:

1) **Scope Of Work:**

Scope of work is to supply of various types of Pipe fittings as per technical specification specified in SOR/SCC as stated below.

2) **Technical Specification:**

Pipe fittings shall be designed, manufactured, tested, inspected and marked as per the manufacturing standard, design codes and standards indicated in the respective SOR sheet.

3) **Evaluation Method:**
The evaluation method for the Pipe fittings items will be on item wise basis as per Section-II.

4) **Quality Assurance Plan:** Vendor to confirm that the manufacturing and Inspection of the Pipe fittings shall be as per Technical specification mentioned in SOR

5) **Testing and Inspection:**
   a) Test reports shall be supplied for all mandatory tests for pipe fittings as per the relevant material specifications mentioned in the SOR sheet in accordance with the latest standards.
   b) Material test certificates (physical property, chemical composition & heat treatment report) shall also be furnished for the pipe fittings supplied.
   c) **Material shall be inspected at the manufacturer's works prior to dispatch by reputed Third Party Inspection (TPI) agency and reports shall be furnished. The third party inspection charges will be in the supplier's scope and the supplier should quote accordingly. Bidder shall provide name of the TPI agency along with the technical bid. Some of the preferred TPI party are as-- are DNV, LLOYDS, CEIL, Bureau Veritas, LRIS, BVIS, TUV, SGS, UHDE or any Government/NABL approved third party agency**

6) **Delivery Period**: The material should be delivered as per following details -- 50% of order value to be delivered within six(06weeks) from placement of PO/LOI copy and balance 50% to be delivered within 12 weeks from date of PO

7) **Warranty:** The supplied item must be free from any manufacturing defect/technical defect/workmanship. The vendor shall provide guarantee for satisfactory performance for 12 months from commissioning/operation or 18 months from the date of receipt of material at BCPL, Lepetkata, whichever is earlier.

8) **Packaging/transportation:** The items should be transported/ delivered in good quality packing to avoid any transit damage during transportation. The items should be packed exclusively in wooden box and all the opening holes should be properly wrapped with plastic/plastic caps. All the threaded portion of the pipe fittings should be protected with suitable material to avoid damage to the threaded portion. If any damage is found at the time of receipt/inspection of material the same may be rejected.

9) **All the items should be properly embossed/marked with the following details in the item. The details should be easily visible on the body of the pipe fittings. The details should include the following specification**

   a) Fitting Size, descriptions
   b) Rating/class of the pipe fittings
   c) Material Of Construction of pipe fittings
   d) BCPL Code as mentioned in SOR .

   (example -ELBOW.90, B-16.9, ASTM A 234 GR.WPB-W, BW, 5D, 0.75 INCH, S160, 3731170043)

10) **Payment Terms:** 100% payment shall be released within 15 days from RECEIPT & ACCEPTANCE of materials at site.

भाग– VI

SECTION – VI

तकनीकी विनिर्देश (टीएस)

TECHNICAL SPECIFICATION [TS]

[as per SOR]

भाग – VII
SECTION – VII

दर अनुसूची (एसओआर)
SCHEDULE OF RATES (SOR)
(To be uploaded in Folder –I (Techno-commercial part)

[Do not quote here. Only confirm that you have uploaded the Priced SOR as per this format in Folder II (Finance /Price folder)]

SCHEDULE OF RATES (SOR) -UN-PRICED BID

(BIDDER TO MENTION AS "QUOTED" IN UN-PRICED SOR)

TENDER NO: BCPL/C&P/CO21S441OR/04578

CENTRALISED PROCUREMENT OF NON-IBR PIPE FITTINGS FOR ENTIRE BCPL PLANT FOR SHUTDOWN 2022 AND REGULAR O&M.

Item. No.	Material Code	Material Description	Offered Make	6 Digit HSN Code of Material	UOM	QTY	Per Unit Price Ex-works [Including packing & forwarding, duties & excluding freight]		Per Unit Freight upto BCPL Site at Lepetkata Applicable on (H) only		Per Unit GST (CGST & SGST/UTGST or IGST) Mark (√) on the applicable one above. Applicable on (H+K) only		Per Unit FOT Site BCPL Lepetkata Basis (P=H+K+M)	Total FOT site BCPL Lepetkata Basis Amount Q=(P*G)
							(In numerical) Rs.	(In words) Rs.	%	Rs.	%	Rs.	Rs.	Rs.
A	B	C	D	E	F	G	H	I	J	K	L	M	P	Q
1	3769080013	TEE,RED,THD,20 X 15MM Long Text : TEE, PIPE,TYPE:REDUCING,MATERIAL:GALVANISED IRON ,END CONNECTION:THREADED,SIZE: 20 X 15 MM			EA	49								
2	3769080023	TEE,RED,THD,25 X 15MM Long Text : TEE, PIPE,TYPE:REDUCING,MATERIAL:GALVANISED IRON ,END CONNECTION:THREADED,SIZE: 25 X 15 MM			EA	50								

3	3769080033	TEE,RED,THD,25 X 20MM Long Text : TEE, PIPE,TYPE:REDUCING,MATERIAL:GALVANISED IRON ,END CONNECTION:THREADED,SIZE: 25 X 20 MM			EA	50							
4	3769080043	TEE,RED,THD,40 X 20MM Long Text : TEE, PIPE,TYPE:REDUCING,MATERIAL:GALVANISED IRON ,END CONNECTION:THREADED,SIZE: 40 X 20 MM			EA	50							
5	3769080053	TEE,RED,THD,40 X 25MM Long Text : TEE, PIPE,TYPE:REDUCING,MATERIAL:GALVANISED IRON ,END CONNECTION:THREADED,SIZE: 40 X 25 MM			EA	50							

6	3769170023	TEE,RED,A105,THD,1.5 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,COATING:GALVANIZED,END CONECTION:THREADED ,PRESSURE RATING:CLASS 3000,SIZE:1.5 X 0.75 IN ,REFERENCE NUMBER:WR60882Z008ZZ05ZZ			EA	25							
7	3769170033	TEE,RED,A105,THD,1.5 X 1IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,COATING:GALVANIZED,END CONECTION:THREADED ,PRESSURE RATING:CLASS 3000,SIZE:1.5 X 1 IN ,REFERENCE NUMBER:WR60882Z008ZZ06ZZ			EA	22							

8	3770170013	TEE,RED,A105,SW,0.75 X 0.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END CONNECTION:SOCKET WEL,PRESSURE RATING:CLASS 6000 ,SIZE:0.75 X 0.5 IN,REFERENCE NUMBER:WR602D3Z005ZZ04ZZ			EA	45							
9	3770170033	TEE,RED,A105,SW,IBR,1 X 0.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END CONNECTION:SOCKET WEL,CERTIFICATION:IBR B4,PRESSURE RATING:CLASS 3000,SIZE:1 X 0.5 IN ,REFERENCE NUMBER:WR602D2Z106ZZ04ZZ			EA	24							

10	3770170043	TEE,RED,A105,SW,1 X 0.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END CONNECTION:SOCKET WEL,PRESSURE RATING:CLASS 3000 ,SIZE:1 X 0.5 IN,REFERENCE NUMBER:WR602D2Z006ZZ04ZZ			EA	78							
11	3770170053	TEE,RED,A105,SW,H2,1 X 0.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END CONNECTION:SOCKET WEL,SERVICE:HYDROGEN ,PRESSURE RATING:CLASS 3000,SIZE:1 X 0.5 IN ,REFERENCE NUMBER:WR602D2Z706ZZ04ZZ			EA	10							

12	3770170063	TEE,RED,A105,SW,NACE,1 X 0.75IN Long Text : \TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END CONNECTION:SOCKET WEL,CERTIFICATION:NACE ,PRESSURE RATING:CLASS 3000,SIZE:1 X 0.75 IN ,REFERENCE NUMBER:WR602D2Z206ZZ05ZZ			EA	8							
13	3770170073	TEE,RED,A105,SW,H2,1 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END CONNECTION:SOCKET WEL,SERVICE:HYDROGEN ,PRESSURE RATING:CLASS 3000,SIZE:1 X 0.75 IN ,REFERENCE NUMBER:WR602D2Z706ZZ05ZZ			EA	50							

14	3770170083	TEE,RED,A105,SW,IBR,1 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END CONNECTION:SOCKET WEL,CERTIFICATION:IBR ,PRESSURE RATING:CLASS 3000,SIZE:1 X 0.75 IN ,REFERENCE NUMBER:WR602D2Z106ZZ05ZZ			EA	50							
15	3770170093	TEE,RED,A105,SW,1 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END CONNECTION:SOCKET WEL,PRESSURE RATING:CLASS 3000 ,SIZE:1 X 0.75 IN,REFERENCE NUMBER:WR602D2Z006ZZ05ZZ			EA	11							

16	3770170103	TEE,RED,A105,SW,1.5 X 0.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END CONNECTION:SOCKET WEL,PRESSURE RATING:CLASS 3000 ,SIZE:1.5 X 0.5 IN,REFERENCE NUMBER:WR602D2Z008ZZ04ZZ			EA	8							
17	3770170133	TEE,RED,A105,SW,NACE,1.5 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END CONNECTION:SOCKET WEL,CERTIFICATION:NACE ,PRESSURE RATING:CLASS 3000,SIZE:1.5 X 0.75 IN ,REFERENCE NUMBER:WR602D2Z208ZZ05ZZ			EA	20							

18	3770170143	TEE,RED,A105,SW,H2,1.5 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END CONNECTION:SOCKET WEL,SERVICE:HYDROGEN ,PRESSURE RATING:CLASS 3000,SIZE:1.5 X 0.75 IN ,REFERENCE NUMBER:WR602D2Z708ZZ05ZZ			EA	24							
19	3770170153	TEE,RED,A105,SW,1.5 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END CONNECTION:SOCKET WEL,PRESSURE RATING:CLASS 6000 ,SIZE:1.5 X 0.75 IN,REFERENCE NUMBER:WR602D3Z008ZZ05ZZ			EA	10							

20	3770170163	TEE,RED,A105,SW,NACE,1.5 X 1IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END CONNECTION:SOCKET WEL,CERTIFICATION:NACE ,PRESSURE RATING:CLASS 3000,SIZE:1.5 X 1 IN ,REFERENCE NUMBER:WR602D2Z208ZZ06ZZ			EA	12							
21	3770170173	TEE,RED,A105,SW,H2,1.5 X 1IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END CONNECTION:SOCKET WEL,SERVICE:HYDROGEN ,PRESSURE RATING:CLASS 3000,SIZE:1.5 X 1 IN ,REFERENCE NUMBER:WR602D2Z708ZZ06ZZ			EA	15							

22	3770170183	TEE,RED,A105,SW,1.5 X 1IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END CONNECTION:SOCKET WEL,PRESSURE RATING:CLASS 6000 ,SIZE:1.5 X 1 IN,REFERENCE NUMBER:WR602D3Z008ZZ06ZZ			EA	18							
23	3770170193	TEE,RED,A105,SW,IBR,1.5 X 1IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END CONNECTION:SOCKET WEL,CERTIFICATION:IBR ,PRESSURE RATING:CLASS 3000,SIZE:1.5 X 1 IN ,REFERENCE NUMBER:WR602D2Z108ZZ06ZZ			EA	10							

24	3770200013	TEE,RED,LF2,SW,LT,0.75 X 0.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL LOW TEMPERATURE ,MATERIAL STANDARD:ASTM A350 GR.LF2,EN CONNECTION:SOCKET WELD ,SERVICE:LOW TEMP,PRESSURE RATING:CLASS 6000,SIZE:0.75 X 0.5 IN ,REFERENCE NUMBER:WR683D3Z505ZZ04ZZ			EA	47								

25	3770200023	TEE,RED,LF2,SW,LT,1 X 0.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL LOW TEMPERATURE ,MATERIAL STANDARD:ASTM A350 GR.LF2,EN CONNECTION:SOCKET WELD ,SERVICE:LOW TEMP,PRESSURE RATING:CLASS 3000,SIZE:1 X 0.5 IN ,REFERENCE NUMBER:WR683D2Z506ZZ04ZZ			EA	75								

26	3770200033	TEE,RED,LF2,SW,LT,1 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL LOW TEMPERATURE ,MATERIAL STANDARD:ASTM A350 GR.LF2,EN CONNECTION:SOCKET WELD ,SERVICE:LOW TEMP,PRESSURE RATING:CLASS 3000,SIZE:1 X 0.75 IN ,REFERENCE NUMBER:WR683D2Z506ZZ05ZZ			EA	43								

27	3770200043	TEE,RED,LF2,SW,LT,1.5 X 0.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL LOW TEMPERATURE ,MATERIAL STANDARD:ASTM A350 GR.LF2,EN CONNECTION:SOCKET WELD ,SERVICE:LOW TEMP,PRESSURE RATING:CLASS 3000,SIZE:1.5 X 0.5 IN ,REFERENCE NUMBER:WR683D2Z508ZZ04ZZ			EA	23								

28	3770200053	TEE,RED,LF2,SW,LT,1.5 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL LOW TEMPERATURE ,MATERIAL STANDARD:ASTM A350 GR.LF2,EN CONNECTION:SOCKET WELD ,SERVICE:LOW TEMP,PRESSURE RATING:CLASS 3000,SIZE:1.5 X 0.75 IN ,REFERENCE NUMBER:WR683D2Z508ZZ05ZZ			EA	23								

29	3770200063	TEE,RED,LF2,SW,LT,1.5 X 1IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL LOW TEMPERATURE ,MATERIAL STANDARD:ASTM A350 GR.LF2,EN CONNECTION:SOCKET WELD ,SERVICE:LOW TEMP,PRESSURE RATING:CLASS 3000,SIZE:1.5 X 1 IN ,REFERENCE NUMBER:WR683D2Z508ZZ06Z Z			EA	21								
30	3770330013	TEE,RED,F11,SW,H2,1 X 0.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A182 GR.F11 CL.2 ,END CONNECTIONSOCKET WELD,SERVICE:HYDROGEN ,PRESSURE RATING:CLASS 3000,SIZE:1 X 0.5 IN ,REFERENCE NUMBER:WR638D2Z706ZZ04Z Z			EA	73								

31	3770330023	TEE,RED,F11,SW,1 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A182 GR.F11 CL.2 ,END CONNECTIONSOCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:1 X 0.75 IN,REFERENCE NUMBER:WR638D2Z006ZZ05ZZ			EA	50							
32	3770330033	TEE,RED,F11,SW,H2,1 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A182 GR.F11 CL.2 ,END CONNECTIONSOCKET WELD,SERVICE:HYDROGEN ,PRESSURE RATING:CLASS 3000,SIZE:1 X 0.75 IN ,REFERENCE NUMBER:WR638D2Z706ZZ05ZZ			EA	49							

33	3770330043	TEE,RED,F11,SW,1.5 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A182 GR.F11 CL.2 ,END CONNECTIONSOCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:1.5 X 0.75 IN,REFERENCE NUMBER:WR638D2Z008ZZ05Z Z			EA	21							
34	3770330053	TEE,RED,F11,SW,1.5 X 1IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A182 GR.F11 CL.2 ,END CONNECTIONSOCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:1.5 X 1 IN,REFERENCE NUMBER:WR638D2Z008ZZ06Z Z			EA	16							

35	3770500013	TEE,RED,F304,SW,CRY,0.75 X 0.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,END CONNETION:SOCKET WELD,SERVICE:CRYO ,PRESSURE RATING:CLASS 3000,SIZE:0.75 X 0.5 IN ,REFERENCE NUMBER:WR642D2Z405ZZ04ZZ			EA	40							
36	3770500023	TEE,RED,F304,SW,1 X 0.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,END CONNETION:SOCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:1 X 0.5 IN,REFERENCE NUMBER:WR642D2Z006ZZ04ZZ			EA	75							

37	3770500033	TEE,RED,F304,SW,CRY,1 X 0.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,END CONNETION:SOCKET WELD,SERVICE:CRYO ,PRESSURE RATING:CLASS 3000,SIZE:1 X 0.5 IN ,REFERENCE NUMBER:WR642D2Z406ZZ04ZZ			EA	75							

38	3770500043	TEE,RED,F304,SW,CRY,1 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,END CONNETION:SOCKET WELD,SERVICE:CRYO ,PRESSURE RATING:CLASS 3000,SIZE:1 X 0.75 IN ,REFERENCE NUMBER:WR642D2Z406ZZ05ZZ			EA	48								

39	3770500053	TEE,RED,F304,SW,H2,1 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,END CONNETION:SOCKET WELD,SERVICE:HYDROGEN ,PRESSURE RATING:CLASS 3000,SIZE:1 X 0.75 IN ,REFERENCE NUMBER:WR642D2Z706ZZ05ZZ			EA	46								
40	3770500073	TEE,RED,F304,SW,1.5 X 0.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,END CONNETION:SOCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:1.5 X 0.5 IN,REFERENCE NUMBER:WR642D2Z008ZZ04ZZ			EA	25								

41	3770500083	TEE,RED,F304,SW,1.5 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,END CONNETION:SOCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:1.5 X 0.75 IN,REFERENCE NUMBER:WR642D2Z008ZZ05ZZ			EA	10							
42	3770500093	TEE,RED,F304,SW,CRY,1.5 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,END CONNETION:SOCKET WELD,SERVICE:CRYO ,PRESSURE RATING:CLASS 3000,SIZE:1.5 X 0.75 IN ,REFERENCE NUMBER:WR642D2Z408ZZ05ZZ			EA	12							

43	3770500103	TEE,RED,F304,SW,1.5 X 1IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,END CONNETION:SOCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:1.5 X 1 IN,REFERENCE NUMBER:WR642D2Z008ZZ06ZZ			EA	25							
44	3770500113	TEE,RED,F304,SW,CRY,1.5 X 1IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,END CONNETION:SOCKET WELD,SERVICE:CRYO ,PRESSURE RATING:CLASS 3000,SIZE:1.5 X 1 IN ,REFERENCE NUMBER:WR642D2Z408ZZ06ZZ			EA	18							

45	3770520013	TEE,RED,F304L,SW,1 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,END CONECTION:SOCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:1 X 0.75 IN,REFERENCE NUMBER:WR644D2Z006ZZ05ZZ			EA	41							
46	3770520023	TEE,RED,F304L,SW,CRY,1 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,END CONECTION:SOCKET WELD,SERVICE:CRYO ,PRESSURE RATING:CLASS 3000,SIZE:1 X 0.75 IN ,REFERENCE NUMBER:WR644D2Z406ZZ05ZZ			EA	47							

47	3770520033	TEE,RED,F304L,SW,1.5 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,END CONECTION:SOCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:1.5 X 0.75 IN,REFERENCE NUMBER:WR644D2Z008ZZ05ZZ			EA	13							
48	3770520043	TEE,RED,F304L,SW,CRY,1.5 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,END CONECTION:SOCKET WELD,SERVICE:CRYO ,PRESSURE RATING:CLASS 3000,SIZE:1.5 X 0.75 IN ,REFERENCE NUMBER:WR644D2Z408ZZ05ZZ			EA	19							

49	3770520053	TEE,RED,F304L,SW,CRY,1.5 X 1IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,END CONECTION:SOCKET WELD,SERVICE:CRYO ,PRESSURE RATING:CLASS 3000,SIZE:1.5 X 1 IN ,REFERENCE NUMBER:WR644D2Z408ZZ06ZZ			EA	25							
50	3770520063	TEE,RED,F304L,SW,1.5 X 1IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,END CONECTION:SOCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:1.5 X 1 IN,REFERENCE NUMBER:WR644D2Z008ZZ06ZZ			EA	20							

51	3771170013	TEE,RED,WPB,BW,160/160,0.75 X 0.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,SCHEDULE:160/160,SIZE:0.75 X 0.5 IN ,REFERENCE NUMBER:WRG684ZZ005100410			EA	48							
52	3771170023	TEE,RED,WPB,BW,IBR,160/160 ,0.75 X 0.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,CERTIFICATION:IBR,SCHEDULE:160/160 ,SIZE:0.75 X 0.5 IN,REFERENCE NUMBER:WRG684ZZ105100410			EA	42							

53	3771170033	TEE,RED,WPB,BW,80/80,1 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,SCHEDULE:80/80,SIZE:1 X 0.75 IN ,REFERENCE NUMBER:WRG684ZZ006060506			EA	50							
54	3771170043	TEE,RED,WPB,BW,XS/160,1 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,SCHEDULE:XS/160,SIZE:1 X 0.75 IN ,REFERENCE NUMBER:WRG684ZZ006190510			EA	50							

55	3771170053	TEE,RED,WPB,BW,XS/160,1.5 X 0.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,SCHEDULE:XS/160,SIZE:1.5 X 0.5 IN ,REFERENCE NUMBER:WRG684ZZ008190410			EA	10							
56	3771170063	TEE,RED,WPB,BW,IBR,160/160 ,1.5 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,CERTIFICATION:IBR,SCHEDULE:160/160 ,SIZE:1.5 X 0.75 IN,REFERENCE NUMBER:WRG684ZZ108100510			EA	13							

57	3771170073	TEE,RED,WPB,BW,XS/160,1.5 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,SCHEDULE:XS/160,SIZE:1.5 X 0.75 IN ,REFERENCE NUMBER:WRG684ZZ008190510			EA	13							
58	3771170083	TEE,RED,WPB,BW,XS/XS,1.5 X 1IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,SCHEDULE:XS/XS,SIZE:1.5 X 1 IN ,REFERENCE NUMBER:WRG684ZZ008190619			EA	21							

59	3771170153	TEE,RED,WPB,BW,NACE,XS/160,2 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,CERTIFICATION:NACE,SCHEDULE:XS /1 60 ,SIZE:2 X 0.75 IN,REFERENCE NUMBER:WRG684ZZ209190510			EA	24							
60	3771170163	TEE,RED,WPB,BW,IBR,XS/160,2 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,CERTIFICATION:IBR,SCHEDULE:XS/160 ,SIZE:2 X 0.75 IN,REFERENCE NUMBER:WRG684ZZ109190510			EA	25							

61	3771170173	TEE,RED,WPB,BW,XS/160,2 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,SCHEDULE:XS/160,SIZE:2 X 0.75 IN ,REFERENCE NUMBER:WRG684ZZ009190510			EA	13							
62	3771170183	TEE,RED,WPB,BW,IBR,STD/160 ,2 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,CERTIFICATION:IBR,SCHEDULE:STD/16 0 ,SIZE:2 X 0.75 IN,REFERENCE NUMBER:WRG684ZZ109180510			EA	23							

63	3771170193	TEE,RED,WPB,BW,XS/XS,2 X 1IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,SCHEDULE:XS/XS,SIZE:2 X 1 IN ,REFERENCE NUMBER:WRG684ZZ009190619			EA	20							
64	3771170203	TEE,RED,WPB,BW,NACE,XS/XS, 2 X 1IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,CERTIFICATION:NACE,SCHEDULE:XS / XS ,SIZE:2 X 1 IN,REFERENCE NUMBER:WRG684ZZ209190619			EA	23							

65	3771170213	TEE,RED,WPB,BW,H2,XS/XS,2 X 1IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,SERVICE:HYDROGEN,SCHEDULE:XS/XS ,SIZE:2 X 1 IN,REFERENCE NUMBER:WRG684ZZ709190619			EA	25							
66	3771170223	TEE,RED,WPB,BW,STD/STD,2 X 1.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,SCHEDULE:STD/STD,SIZE:2 X 1.5 IN ,REFERENCE NUMBER:WRG684ZZ009180818			EA	10							

67	3771170233	TEE,RED,WPB,BW,NACE,XS/XS, 2 X 1.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,CERTIFICATION:NACE,SCHEDULE:XS / XS ,SIZE:2 X 1.5 IN,REFERENCE NUMBER:WRG684ZZ209190819			EA	10							
68	3771170243	TEE,RED,WPB,BW,40/80,2 X 1.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,SCHEDULE:40/80,SIZE:2 X 1.5 IN ,REFERENCE NUMBER:WRG684ZZ009040806			EA	10							

69	3771170253	TEE,RED,WPB,BW,160/160,2 X 1.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,SCHEDULE:160/160,SIZE:2 X 1.5 IN ,REFERENCE NUMBER:WRG684ZZ009100810			EA	10							
70	3771170263	TEE,RED,WPB,BW,IBR,XXS/160, 2 X 1.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,CERTIFICATION:IBR,SCHEDULE:XXS/16 0 SIZE:2 X 1.5 IN,REFERENCE NUMBER:WRG684ZZ109200810			EA	10							

71	3771170273	TEE,RED,WPB,BW,H2,XS/160,2 X 1.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,SERVICE:HYDROGEN,SCHEDULE:XS/ 16 0 ,SIZE:2 X 1.5 IN,REFERENCE NUMBER:WRG684ZZ709190810			EA	10							
72	3771170283	TEE,RED,WPB,BW,IBR,STD/XS, 2 X 1.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,CERTIFICATION:IBR,SCHEDULE:STD/ XS ,SIZE:2 X 1.5 IN,REFERENCE NUMBER:WRG684ZZ109180819			EA	10							

73	3771170293	TEE,RED,WPB,BW,40/XS,2 X 1.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,SCHEDULE:40/XS,SIZE:2 X 1.5 IN ,REFERENCE NUMBER:WRG684ZZ009040819			EA	10							
74	3771170303	TEE,RED,WPB,BW,H2,XS/XS,2 X 1.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,SERVICE:HYDROGEN,SCHEDULE:XS/XS ,SIZE:2 X 1.5 IN,REFERENCE NUMBER:WRG684ZZ709190819			EA	10							

75	3771170313	TEE,RED,WPB,BW,XS/XS,2 X 1.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,SCHEDULE:XS/XS,SIZE:2 X 1.5 IN ,REFERENCE NUMBER:WRG684ZZ009190819			EA	5							
76	3771170323	TEE,RED,WPB,BW,IBR,XS/XS,2 X 1.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,CERTIFICATION:IBR,SCHEDULE:XS/XS ,SIZE:2 X 1.5 IN,REFERENCE NUMBER:WRG684ZZ109190819			EA	10							

77	3771170353	TEE,RED,WPB,BW,STD/STD,3 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,SCHEDULE:STD/STD,SIZE:3 X 0.75 IN ,REFERENCE NUMBER:WRG684ZZ011180518			EA	10							
78	3771170363	TEE,RED,WPB,BW,IBR,STD/160 ,3 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,CERTIFICATION:IBR,SCHEDULE:STD/160 ,SIZE:3 X 0.75 IN,REFERENCE NUMBER:WRG684ZZ111180510			EA	5							

79	3771170393	TEE,RED,WPB,BW,STD/STD,4 X 1.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,SCHEDULE:STD/STD,SIZE:4 X 1.5 IN ,REFERENCE NUMBER:WRG684ZZ013180818			EA	5							
80	3771170403	TEE,RED,WPB,BW,STD/XS,4 X 1.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,SCHEDULE:STD/XS,SIZE:4 X 1.5 IN ,REFERENCE NUMBER:WRG684ZZ013180819			EA	5							

81	3771170413	TEE,RED,WPB,BW,IBR,STD/XS, 4 X 1.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,CERTIFICATION:IBR,SCHEDULE:STD/XS ,SIZE:4 X 1.5 IN,REFERENCE NUMBER:WRG684ZZ113180819			EA	5							
82	3771170423	TEE,RED,WPB,BW,H2,XS/XS,4 X 1.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,SERVICE:HYDROGEN,SCHEDULE:XS/XS ,SIZE:4 X 1.5 IN,REFERENCE NUMBER:WRG684ZZ713190819			EA	10							

83	3771170433	TEE,RED,WPB,BW,H2,STD/XS,4 X 1.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTTWELD,SERVICE:HYDROGEN,SCHEDULE:STD / XS ,SIZE:4 X 1.5 IN,REFERENCE NUMBER:WRG684ZZ713180819			EA	10							
84	3771200043	TEE,RED,WPL6,BW,LT,XS/XS,2 X 1.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL LOW TEMPERATURE ,MATERIAL STANDARD:ASTM A420 GR.WPL6,EN CONNECTION:BUTT WELD ,SERVICE:LOW TEMP,SCHEDULE:XS/XS,SIZE:2 X 1.5 IN ,REFERENCE NUMBER:WRGB44ZZ509190819			EA	8							

85	3771200093	TEE,RED,WPL6,BW,LT,STD/XS,3 X 1IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL LOW TEMPERATURE ,MATERIAL STANDARD:ASTM A420 GR.WPL6,EN CONNECTION:BUTT WELD ,SERVICE:LOW TEMP,SCHEDULE:STD/XS,SIZE: 3 X 1 IN ,REFERENCE NUMBER:WRGB44ZZ511180619			EA	10								
86	3771200103	TEE,RED,WPL6,BW,LT,STD/XS,4 X 1IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL LOW TEMPERATURE ,MATERIAL STANDARD:ASTM A420 GR.WPL6,EN CONNECTION:BUTT WELD ,SERVICE:LOW TEMP,SCHEDULE:STD/XS,SIZE: 4 X 1 IN ,REFERENCE NUMBER:WRGB44ZZ513180619			EA	10								

87	3771200113	TEE,RED,WPL6,BW,LT,STD/XS,4 X 1.5IN ong Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL LOW TEMPERATURE ,MATERIAL STANDARD:ASTM A420 GR.WPL6,EN CONNECTION:BUTT WELD ,SERVICE:LOW TEMP,SCHEDULE:STD/XS,SIZE: 4 X 1.5 IN ,REFERENCE NUMBER:WRGB44ZZ513180819			EA	10								
88	3771200123	TEE,RED,WPL6,BW,LT,STD/XS,6 X 1IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL LOW TEMPERATURE ,MATERIAL STANDARD:ASTM A420 GR.WPL6,EN CONNECTION:BUTT WELD ,SERVICE:LOW TEMP,SCHEDULE:STD/XS,SIZE: 6 X 1 IN ,REFERENCE NUMBER:WRGB44ZZ515180619			EA	10								

89	3771330023	TEE,RED,WP11,BW,160/160,1.5 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A234 GR.WP11 CL.1 ,END CONNECTIONBUTT WELD,SCHEDULE:160/160,SIZE :1.5 X 0.75 IN ,REFERENCE NUMBER:WRG564ZZ008100510			EA	10							
90	3771360093	TEE,RED,WP22,BW,IBR,XXS/XXS,4 X 3IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A234 GR.WP22 CL.1 ,END CONNECTIONBUTT WELD,CERTIFICATION:IBR,SCHEDULE:XXS/XXS ,SIZE:4 X 3 IN,REFERENCE NUMBER:WRG624ZZ113201120			EA	10							

91	3771360103	TEE,RED,WP22,BW,IBR,XXS/XXS,6 X 3IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A234 GR.WP22 CL.1 ,END CONNECTIONBUTT WELD,CERTIFICATION:IBR,SCHEDULE:XXS/XXS ,SIZE:6 X 3 IN,REFERENCE NUMBER:WRG624ZZ115201120			EA	10							
92	3771360113	TEE,RED,WP22,BW,IBR,XXS/XXS,6 X 4IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A234 GR.WP22 CL.1 ,END CONNECTIONBUTT WELD,CERTIFICATION:IBR,SCHEDULE:XXS/XXS ,SIZE:6 X 4 IN,REFERENCE NUMBER:WRG624ZZ115201320			EA	10							

93	3771500013	TEE,RED,S304,BW,40S/80S,1 X 0.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-304 ,END CONECTION:BUTT WELD,SCHEDULE:40S/80S,SIZE: 1 X 0.5 IN ,REFERENCE NUMBER:WRG874ZZ006130414			EA	50							
94	3771500023	TEE,RED,S304,BW,40S/80S,1 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-304 ,END CONECTION:BUTT WELD,SCHEDULE:40S/80S,SIZE: 1 X 0.75 IN ,REFERENCE NUMBER:WRG874ZZ006130514			EA	22							

95	3771500033	TEE,RED,S304,BW,IBR,80S/80S, 1.5 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-304 ,END CONECTION:BUTT WELD,CERTIFICATION:IBR,SCHEDULE:80S/80S ,SIZE:1.5 X 0.75 IN,REFERENCE NUMBER:WRG874ZZ108140514			EA	15							
96	3771500043	TEE,RED,S304,BW,40S/40S,2 X 1.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-304 ,END CONECTION:BUTT WELD,SCHEDULE:40S/40S,SIZE: 2 X 1.5 IN ,REFERENCE NUMBER:WRG874ZZ009130813			EA	15							

97	3771500053	TEE,RED,S304,BW,CRY,40S/40S ,2 X 1.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-304 ,END CONECTION:BUTT WELD,SERVICE:CRYO,SCHEDULE:40S/40S ,SIZE:2 X 1.5 IN,REFERENCE NUMBER:WRG874ZZ409130813			EA	15							
98	3771500073	TEE,RED,S304,BW,10S/40S,4 X 1IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-304 ,END CONECTION:BUTT WELD,SCHEDULE:10S/40S,SIZE:4 X 1 IN ,REFERENCE NUMBER:WRG874ZZ013120613			EA	10							

99	3771500083	TEE,RED,S304,BW,10S/40S,4 X 1.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-304 ,END CONECTION:BUTT WELD,SCHEDULE:10S/40S,SIZE: 4 X 1.5 IN ,REFERENCE NUMBER:WRG874ZZ013120813			EA	5							
100	3771520073	TEE,RED,S304L,BW,CRY,10S/40S,6 X 1IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A403 GR.WP-S-304L ,ENDONNECTION:BUTT WELD,SERVICE:CRYO,SCHEDULE:10S/40S ,SIZE:6 X 1 IN,REFERENCE NUMBER:WRG934ZZ415120613			EA	10							

101	3771520083	TEE,RED,S304L,BW,CRY,10S/40S,6 X 1.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A403 GR.WP-S-304L ,ENDONNECTION:BUTT WELD,SERVICE:CRYO,SCHEDULE:10S/40S ,SIZE:6 X 1.5 IN,REFERENCE NUMBER:WRG934ZZ415120813			EA	5							
102	3771550013	TEE,RED,S316,BW,80S/80S,1 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316,MATERIAL STANDARD:ASTM A403 GR.WP-S-316,END CONECTION:BUTT WELD,SCHEDULE:80S/80S,SIZE:1 X 0.75IN ,REFERENCE NUMBER:WRG964ZZ006140514			EA	50							

103	3771550023	TEE,RED,S316,BW,80S/80S,1.5 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316 ,END CONECTION:BUTT WELD,SCHEDULE:80S/80S,SIZE: 1.5 X 0.75 IN ,REFERENCE NUMBER:WRG964ZZ008140514			EA	25							
104	3771550033	TEE,RED,S316,BW,80S/80S,1.5 X 1IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316 ,END CONECTION:BUTT WELD,SCHEDULE:80S/80S,SIZE: 1.5 X 1 IN ,REFERENCE NUMBER:WRG964ZZ008140614			EA	25							

105	3771570013	TEE,RED,S316L,BW,40S/40S,1 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316L ,ENDONNECTION:BUTT WELD,SCHEDULE:40S/40S,SIZE: 1 X 0.75 IN ,REFERENCE NUMBER:WRGA34ZZ006130513			EA	10							
106	3771570023	TEE,RED,S316L,BW,40S/40S,1.5 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316L ,ENDONNECTION:BUTT WELD,SCHEDULE:40S/40S,SIZE: 1.5 X 0.75 IN ,REFERENCE NUMBER:WRGA34ZZ008130513			EA	25							

107	3771570033	TEE,RED,S316L,BW,40S/40S,1.5 X 1IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316L ,ENDONNECTION:BUTT WELD,SCHEDULE:40S/40S,SIZE: 1.5 X 1 IN ,REFERENCE NUMBER:WRGA34ZZ008130613			EA	10							
108	3771570043	TEE,RED,S316L,BW,40S/40S,2 X 0.75IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316L ,ENDONNECTION:BUTT WELD,SCHEDULE:40S/40S,SIZE: 2 X 0.75 IN ,REFERENCE NUMBER:WRGA34ZZ009130513			EA	10							

109	3771570053	TEE,RED,S316L,BW,40S/40S,2 X 1.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316L ,ENDONNECTION:BUTT WELD,SCHEDULE:40S/40S,SIZE: 2 X 1.5 IN ,REFERENCE NUMBER:WRGA34ZZ009130813			EA	25							
110	3771570063	TEE,RED,S316L,BW,CRY,40S/40S,2 X 1.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316L ,ENDONNECTION:BUTT WELD,SERVICE:CRYO,SCHEDULE:40S/40S ,SIZE:2 X 1.5 IN,REFERENCE NUMBER:WRGA34ZZ409130813			EA	10							

111	3771570073	TEE,RED,S316L,BW,10S/40S,6 X 1.5IN Long Text : TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316L ,ENDONNECTION:BUTT WELD,SCHEDULE:10S/40S,SIZE: 6 X 1.5 IN ,REFERENCE NUMBER:WRGA34ZZ015120813			EA	10							
112	3769170043	TEE,RED,A105,THD,1 X 0.75IN Long Text : TEE,PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105, COATING:GALVANIZED,END CONECTION:THREADED, PRESSURE RATING:CLASS 3000,SIZE:1 X 0.75 IN			EA	5							

113	3770170223	TEE,RED,A105,SW,1 X 0.75IN Long Text : TEE,PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105, END CONNECTION:SOCKET WELDPRESSURE RATING:CLASS 6000, SIZE:1 X 0.75 IN			EA	50								
114	3770170233	TEE,RED,A105,SW,1 X 0.5IN Long Text : TEE,PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.11, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105, END CONNECTION:SOCKET WELDPRESSURE RATING:CLASS 6000, SIZE:1 X 0.5 IN,CT-I			EA	50								
115	3775040013	TEE,RED,SOC,GENERAL,80,0.75 X 0.5IN Long Text : TEE,PIPE,TYPE:REDUCING ,MATERIAL:UPVC , END CONNECTION:SOCKET END ,PRESSURE RATING:CLASS 150 , SCHEDULE:80 ,SIZE:0.75 X 0.5 IN, OTER DETAILS AS PER ANNEXURE-I			EA	25								

116	3775040023	TEE,RED,SOC,GENERAL,80,1 X 0.5IN Long Text : TEE,PIPE,TYPE:REDUCING ,MATERIAL:UPVC , END CONNECTION:SOCKET END ,PRESSURE RATING:CLASS 150 , SCHEDULE:80 ,SIZE:1 X 0.5 IN,OTHERETAILS AS PER ANNEXURE-I			EA	23							
117	3775040033	TEE,RED,SOC,GENERAL,80,1 X 0.75IN Long Text : TEE,PIPE,TYPE:REDUCING ,MATERIAL:UPVC , END CONNECTION:SOCKET END ,PRESSURE RATING:CLASS 150 , SCHEDULE:80 ,SIZE:1 X 0.75 IN,OTHERDETAILS AS PER ANNEXURE-I			EA	23							

118	3771210013	TEE,RED,WPB,BW,HC,XS,3 X 2IN Long Text : TEE,PIPE,TYPE:REDUCING ,DESIGN STANDARD:ASME B 16.9 , MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB , END CONNECTION:BTT WELD ,SERVICE:HYDRO CARBON ,SCHEDULE:XS , SIZE:3 X 2 IN, TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9			EA	10								
119	3771210023	TEE,RED,WPB,BW,XS/XS,6 X 2ININ Long Text : TEE,PIPE,TYPE:REDUCING ,DESIGN STANDARD:ASME B 16.9 , MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB , END CONNECTION:BTT WELD ,SCHEDULE:XS/XS ,SIZE:6 X 2IN IN			EA	5								

120	3771570083	TEE,RED,S316L,BW,40S/40S,2 X 0.5IN Long Text : TEE,PIPE,TYPE:REDUCING ,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316L ,END CONNECTION:BUTT WELD ,SCHEDULE:40S/40S ,SIZE:2 X 0.5 IN,TEE, PIPE,TYPE:REDUCING,DESIGN STANDARD:ASME B 16.9,MATERIAL:STAINLESS STEEL 316L,MATERIAL STANDARD:ASTM A403 GR.WP-S-316L,END CONNECTION:BUTT WELD,SCHEDULE:40S/40S,SIZE: 2 X 0.5 IN			EA	25								

121	3763570073	STUBEND,B16.9,S316L,SML,BW,10S,4IN Long Text : STUBEND,PIPE DESIGNSTANDARD:ASMEB16.9 MATERIAL:STAINLESSSTEEL316L MATERIALSTANDARD:ASTMA403GR.WP-S-316L METHODOFMANUFACTURING:SEAMESS ENDCONNECTION:BUTTWELD FLANGEFACINGFINISH:125AARH SCHEDULE/WALLTHICKNESS:10S SIZE:4IN			NOS	12							
122	3716570033	CAP,F316L,SCRF,CL3000,0.5IN Long Text : CAP,PIPE DESIGN STANDARD : ASME B 16.11 MATERIAL : STAINLESS STEEL F316L MATERIAL STANDARD : ASTM A182 GR.F316L END CONNECTION: SCRF PRESSURE RATING : CLASS 3000 SIZE: 0.5 IN			NOS	10							

123	3720570203	CPLG,HALF,B16.11,F316L,SW,CL3000,0.5IN Long Text : COUPLING,PIPE TYPE: HALF DESIGN STANDARD : ASME B 16.11 MATERIAL : STAINLESS STEEL 316L MATERIAL STANDARD : ASTM A182GR.F316L ED PREPARTION : SOCKET WELD PRESSURE RATING :CLASS 3000 NOMINAL PIPE SIZE : 0.5 IN			NOS	1							
124	3720170863	CPLG,HALF,B16.11,A105,SW,CL6000,0.75IN Long Text : COUPLING,PIPE TYPE : HALF DESIGN STANDARD : ASME B 16.11 MATERIAL: CARBON STEEL MATERIAL STANDARD : ASTM A105 END PREPARTION: SCKET WELD PRESSURE RATING :CLASS 6000 NOMINAL PIPE SIZE : 0.75 IN			NOS	10							

125	3720170873	CPLG,HALF,B16.11,A105,SW,CL 6000,0.75IN Long Text : COUPLING,PIPE TYPE : HALF DESIGN STANDARD : ASME B 16.11 MATERIAL : CARBON STEEL MATERIAL STANDARD : ASTM A105 END PRPARTION : SOCKET WELD CERTIFICATION : IBR PRESSURE RATING :CLASS 6000 NOMINAL PIPE SIZE : 0.75 IN			NOS	6								
126	3720170473	CPLG,HLF,B16.11,A105,SW,300 0,0.75IN Long Text : COUPLING,PIPE,TYPE:HALF,DES IGN STANDARD:ASME B 16.11, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105, END PREPARTION:SOCKET WEL,PRESSURE RATING:CLASS 3000, NOMINAL PIPE SIZE:0.75 IN			EA	3								

127	3716170173	CAP,A105,SCRF,CL3000,0.75IN Long Text : CAP,PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:CARBON STEEL, MATERIAL STANDARD:ASTM A105,END CONNECTION:THREADED FEMALE, PRESSUREATING:CLASS 3000,SIZE:0.75 IN			EA	6								
128	3743190253	NPL,CON,A105,PBE,160/160,1 X 0.75IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAN BOTH ENDS,SCHEDULE:160/160 ,SIZE:1 X 0.75 IN,REFERENCE NUMBER:WNH026ZZ006100510			EA	5								

129	3743190203	NPL,CON,A105,PBE,STD/STD,1 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAN BOTH ENDS,SCHEDULE:STD/STD ,SIZE:1 X 0.5 IN,REFERENCE NUMBER:WNH026ZZ006180418			EA	5							
130	3743190373	NPL,CON,A105,PBE,160/160,1.5 X 0.75IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAN BOTH ENDS,SCHEDULE:160/160 ,SIZE:1.5 X 0.75 IN,REFERENCE NUMBER:WNH026ZZ008100510			EA	7							

131	3743190333	NPL,CON,A105,PBE,STD/STD,1.5 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAN BOTH ENDS,SCHEDULE:STD/STD ,SIZE:1.5 X 0.5 IN,REFERENCE NUMBER:WNH026ZZ008180418			EA	7							
132	3743190363	NPL,CON,A105,PBE,XS/160,1.5 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAN BOTH ENDS,SCHEDULE:XS/160 ,SIZE:1.5 X 0.5 IN,REFERENCE NUMBER:WNH026ZZ008190410			EA	2							

133	3743190393	NPL,CON,A105,PBE,XS/160,1.5 X 0.75IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAN BOTH ENDS,SCHEDULE:XS/160 ,SIZE:1.5 X 0.75 IN,REFERENCE NUMBER:WNH026ZZ008190510			EA	2							
134	3743190543	NPL,CON,A105,PBE,160/160,2 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAN BOTH ENDS,SCHEDULE:160/160 ,SIZE:2 X 0.5 IN,REFERENCE NUMBER:WNH026ZZ009100410			EA	7							

135	3743190703	NPL,CON,A105,PBE,160/160,2 X 1IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAN BOTH ENDS,SCHEDULE:160/160,SIZE:2 X 1 IN ,REFERENCE NUMBER:WNH026ZZ009100610			EA	7							
136	3743190523	NPL,CON,A105,PBE,STD/STD,2 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAN BOTH ENDS,SCHEDULE:STD/STD ,SIZE:2 X 0.5 IN,REFERENCE NUMBER:WNH026ZZ009180418			EA	7							

137	3743190593	NPL,CON,A105,PBE,STD/STD,2 X 0.75IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAN BOTH ENDS,SCHEDULE:STD/STD ,SIZE:2 X 0.75 IN,REFERENCE NUMBER:WNH026ZZ009180518			EA	7							
138	3743190633	NPL,CON,A105,PBE,STD/STD,2 X 1IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAN BOTH ENDS,SCHEDULE:STD/ STD,SIZE:2 X 1 IN ,REFERENCE NUMBER:WNH026ZZ009180618			EA	7							

139	3743190803	NPL,CON,A105,PBE,STD/STD,2 X 1.5IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAN BOTH ENDS,SCHEDULE:STD/STD ,SIZE:2 X 1.5 IN,REFERENCE NUMBER:WNH026ZZ009180818			EA	7							
140	3743190533	NPL,CON,A105,PBE,XS/160,2 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAN BOTH ENDS,SCHEDULE:XS/160 ,SIZE:2 X 0.5 IN,REFERENCE NUMBER:WNH026ZZ009190410			EA	2							

141	3743190623	NPL,CON,A105,PBE,XS/160,2 X 0.75IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAN BOTH ENDS,SCHEDULE:XS/160 ,SIZE:2 X 0.75 IN,REFERENCE NUMBER:WNH026ZZ009190510			EA	2							
142	3743190713	NPL,CON,A105,PBE,XS/160,2 X 1IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAN BOTH ENDS,SCHEDULE:XS/160,SIZE:2 X 1 IN ,REFERENCE NUMBER:WNH026ZZ009190610			EA	2							

143	3743190673	NPL,CON,A105,PBE,XS/XS,2 X 1IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAN BOTH ENDS,SCHEDULE:XS/XS,SIZE:2 X 1 IN ,REFERENCE NUMBER:WNH026ZZ009190619			EA	2							
144	3743190823	NPL,CON,A105,PBE,STD/160,3 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAN BOTH ENDS,SCHEDULE:STD/160 ,SIZE:3 X 0.5 IN,REFERENCE NUMBER:WNH026ZZ011180410			EA	2							

145	3743190833	NPL,CON,A105,PBE,STD/XS,3 X 1IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAN BOTH ENDS,SCHEDULE:STD/XS,SIZE:3 X 1 IN ,REFERENCE NUMBER:WNH026ZZ011180619			EA	2							
146	3743190873	NPL,CON,A105,PBE,STD/STD,3 X 1.5IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAN BOTH ENDS,SCHEDULE:STD/STD ,SIZE:3 X 1.5 IN,REFERENCE NUMBER:WNH026ZZ011180818			EA	2							

147	3743190893	NPL,CON,A105,PBE,STD/XS,3 X 1.5IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAN BOTH ENDS,SCHEDULE:STD/XS ,SIZE:3 X 1.5 IN,REFERENCE NUMBER:WNH026ZZ011180819			EA	2							
148	3743190903	NPL,CON,A105,PBE,XS/160,3 X 1.5IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAN BOTH ENDS,SCHEDULE:XS/160 ,SIZE:3 X 1.5 IN,REFERENCE NUMBER:WNH026ZZ011190810			EA	7							

149	3743190433	NPL,CON,A105,PBE,160/160,1.5 X 0.75IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAN BOTH ENDS,SERVICE:HYDROGEN ,SCHEDULE:160/160,SIZE:1.5 X 0.75 IN ,REFERENCE NUMBER:WNH026ZZ708100510			EA	2							
150	3743190413	NPL,CON,A105,PBE,XS/160,1.5 X 0.75IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAN BOTH ENDS,SERVICE:HYDROGEN ,SCHEDULE:XS/160,SIZE:1.5 X 0.75 IN ,REFERENCE NUMBER:WNH026ZZ708190510			EA	2							

151	3743190733	NPL,CON,A105,PBE,160/160,2 X 1.5IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAN BOTH ENDS,SERVICE:HYDROGEN ,SCHEDULE:160/160,SIZE:2 X 1.5 IN ,REFERENCE NUMBER:WNH026ZZ709100810			EA	2							
152	3743190553	NPL,CON,A105,PBE,XS/160,2 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAN BOTH ENDS,SERVICE:HYDROGEN ,SCHEDULE:XS/160,SIZE:2 X 0.5 IN ,REFERENCE NUMBER:WNH026ZZ709190410			EA	2							

153	3743190773	NPL,CON,A105,PBE,XS/160,2 X 1.5IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAN BOTH ENDS,SERVICE:HYDROGEN ,SCHEDULE:XS/160,SIZE:2 X 1.5 IN ,REFERENCE NUMBER:WNH026ZZ709190810			EA	2							
154	3743190783	NPL,CON,A105,PBE,XS/XS,2 X 1.5IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAN BOTH ENDS,SERVICE:HYDROGEN ,SCHEDULE:XS/XS,SIZE:2 X 1.5 IN ,REFERENCE NUMBER:WNH026ZZ709190819			EA	2							

155	3743190683	NPL,CON,A105,TOE,STD/STD,2 X 1IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:THRADED ONE END,SCHEDULE:STD/STD ,SIZE:2 X 1 IN,REFERENCE NUMBER:WNH02HZZ009180618			EA	2							
156	3743190573	NPL,CON,A105,TOE,XS/160,2 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:THRADED ONE END,SCHEDULE:XS/160 ,SIZE:2 X 0.5 IN,REFERENCE NUMBER:WNH02HZZ009190410			EA	2							

157	3743190923	NPL,CON,A105,TOE,STD/XS,3 X 1.5IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:THRADED ONE END,SCHEDULE:STD/XS ,SIZE:3 X 1.5 IN,REFERENCE NUMBER:WNH02HZZ011180819			EA	2							
158	3743770163	NPL,CON,F304,PBE,40S/80S,1.5 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,ENDPREPARATION:PLAIN BOTH ENDS,SCHEDULE:40S/80S ,SIZE:1.5 X 0.5 IN,REFERENCE NUMBER:WNH426ZZ008130414			EA	7							

159	3743770203	NPL,CON,F304,PBE,40S/40S,1.5 X 1IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,ENDPREPARATION:PLAIN BOTH ENDS,SCHEDULE:40S/40S ,SIZE:1.5 X 1 IN,REFERENCE NUMBER:WNH426ZZ008130613			EA	7							
160	3743770233	NPL,CON,F304,PBE,40S/80S,2 X 0.75IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,ENDPREPARATION:PLAIN BOTH ENDS,SCHEDULE:40S/80S ,SIZE:2 X 0.75 IN,REFERENCE NUMBER:WNH426ZZ009130514			EA	7							

161	3743770253	NPL,CON,F304,PBE,40S/40S,2 X 1IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ENDPREPARATION:PLAIN BOTH ENDS,SCHEDULE:40S/40S,SIZE: 2 X 1 IN ,REFERENCE NUMBER:WNH426ZZ009130613			EA	7							
162	3743770293	NPL,CON,F304,PBE,10S/40S,3 X 1.5IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,ENDPREPARATION:PLAIN BOTH ENDS,SCHEDULE:10S/40S ,SIZE:3 X 1.5 IN,REFERENCE NUMBER:WNH426ZZ011120813			EA	5							

163	3743770173	NPL,CON,F304,PBE,40S/80S,1.5 X 0.75IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,ENDPREPARATION:PLAIN BOTH ENDS,SERVICE:CRYO,SCHEDULE:40S/80S ,SIZE:1.5 X 0.75 IN,REFERENCE NUMBER:WNH426ZZ408130514			EA	2							

164	3743770193	NPL,CON,F304,PBE,40S/40S,1.5 X 1IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,ENDPREPARATION:PLAIN BOTH ENDS,SERVICE:CRYO,SCHEDULE:40S/40S ,SIZE:1.5 X 1 IN,REFERENCE NUMBER:WNH426ZZ408130613			EA	2							

165	3743770213	NPL,CON,F304,PBE,40S/80S,2 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,ENDPREPARATION:PLAIN BOTH ENDS,SERVICE:CRYO,SCHEDULE:40S/80S ,SIZE:2 X 0.5 IN,REFERENCE NUMBER:WNH426ZZ409130414			EA	2							

166	3743770283	NPL,CON,F304,PBE,10S/40S,3 X 1IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,ENDPREPARATION:PLAIN BOTH ENDS,SERVICE:CRYO,SCHEDULE:10S/40S ,SIZE:3 X 1 IN,REFERENCE NUMBER:WNH426ZZ411120613			EA	2							
167	3743780093	NPL,CON,F304L,PBE,40S/80S,1.5 X 0.75IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,ED PREPARATION:PLAIN BOTH ENDS,SCHEDULE:40S/80S ,SIZE:1.5 X 0.75 IN,REFERENCE NUMBER:WNH446ZZ008130514			EA	2							

168	3743780113	NPL,CON,F304L,PBE,40S/40S,1.5 X 1IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,ED PREPARATION:PLAIN BOTH ENDS,SCHEDULE:40S/40S ,SIZE:1.5 X 1 IN,REFERENCE NUMBER:WNH446ZZ008130613			EA	2							
169	3743780183	NPL,CON,F304L,PBE,40S/40S,2 X 1IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,ED PREPARATION:PLAIN BOTH ENDS,SCHEDULE:40S/40S,SIZE:2 X 1 IN ,REFERENCE NUMBER:WNH446ZZ009130613			EA	2							

170	3743780213	NPL,CON,F304L,PBE,10S/40S,3 X 1IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,ED PREPARATION:PLAIN BOTH ENDS,SCHEDULE:10S/40S,SIZE:3 X 1 IN ,REFERENCE NUMBER:WNH446ZZ011120613			EA	2							
171	3743780103	NPL,CON,F304L,PBE,40S/80S,1.5 X 0.75IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,ED PREPARATION:PLAIN BOTH ENDS,SERVICE:CRYO,SCHEDULE:40S/80S ,SIZE:1.5 X 0.75 IN,REFERENCE NUMBER:WNH446ZZ408130514			EA	2							

172	3743780123	NPL,CON,F304L,PBE,40S/40S,1.5 X 1IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,ED PREPARATION:PLAIN BOTH ENDS,SERVICE:CRYO,SCHEDULE:40S/40S ,SIZE:1.5 X 1 IN,REFERENCE NUMBER:WNH446ZZ408130613			EA	2							
173	3743780143	NPL,CON,F304L,PBE,10S/80S,2 X 0.75IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,ED PREPARATION:PLAIN BOTH ENDS,SERVICE:CRYO,SCHEDULE:10S/80S ,SIZE:2 X 0.75 IN,REFERENCE NUMBER:WNH446ZZ409120514			EA	2							

174	3743780133	NPL,CON,F304L,PBE,40S/80S,2 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,ED PREPARATION:PLAIN BOTH ENDS,SERVICE:CRYO,SCHEDULE:40S/80S ,SIZE:2 X 0.5 IN,REFERENCE NUMBER:WNH446ZZ409130414			EA	2							
175	3743780223	NPL,CON,F304L,PBE,40S/40S,3 X 1.5IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,ED PREPARATION:PLAIN BOTH ENDS,SERVICE:CRYO,SCHEDULE:40S/40S ,SIZE:3 X 1.5 IN,REFERENCE NUMBER:WNH446ZZ411130813			EA	2							

176	3743800033	NPL,CON,F316L,PBE,40S/80S,2 X 0.75IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAG E,DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A182 GR.F316L ,ED PREPARATION:PLAIN BOTH ENDS,SCHEDULE:40S/80S ,SIZE:2 X 0.75 IN,REFERENCE NUMBER:WNH476ZZ009130514			EA	2							
177	3743270063	NPL,CON,LF2,PBE,XS/160,1.0 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAG E,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2 ,END PREPARATON:PLAIN BOTH ENDS,SERVICE:LOW TEMP ,SCHEDULE:XS/160,SIZE:1.0 X 0.5 IN ,REFERENCE NUMBER:WNH836ZZ506190410			EA	5							

178	3743270053	NPL,CON,LF2,PBE,XS/160,1 X 0.75IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2 ,END PREPARATON:PLAIN BOTH ENDS,SERVICE:LOW TEMP ,SCHEDULE:XS/160,SIZE:1 X 0.75 IN ,REFERENCE NUMBER:WNH836ZZ506190510			EA	5							
179	3743270073	NPL,CON,LF2,PBE,XS/160,1.5 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2 ,END PREPARATON:PLAIN BOTH ENDS,SERVICE:LOW TEMP ,SCHEDULE:XS/160,SIZE:1.5 X 0.5 IN ,REFERENCE NUMBER:WNH836ZZ508190410			EA	7							

180	3743270083	NPL,CON,LF2,PBE,XS/160,1.5 X 0.75IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2 ,END PREPARATON:PLAIN BOTH ENDS,SERVICE:LOW TEMP ,SCHEDULE:XS/160,SIZE:1.5 X 0.75 IN ,REFERENCE NUMBER:WNH836ZZ508190510			EA	2							
181	3743270093	NPL,CON,LF2,PBE,XS/XS,1.5 X 1IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2 ,END PREPARATON:PLAIN BOTH ENDS,SERVICE:LOW TEMP ,SCHEDULE:XS/XS,SIZE:1.5 X 1 IN ,REFERENCE NUMBER:WNH836ZZ508190619			EA	2							

182	3743270113	NPL,CON,LF2,PBE,XS/160,2 X 0.75IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2 ,END PREPARATON:PLAIN BOTH ENDS,SERVICE:LOW TEMP ,SCHEDULE:XS/160,SIZE:2 X 0.75 IN ,REFERENCE NUMBER:WNH836ZZ509190510			EA	2							
183	3743270123	NPL,CON,LF2,PBE,XS/XS,2 X 1IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2 ,END PREPARATON:PLAIN BOTH ENDS,SERVICE:LOW TEMP ,SCHEDULE:XS/XS,SIZE:2 X 1 IN ,REFERENCE NUMBER:WNH836ZZ509190619			EA	2							

184	3743270133	NPL,CON,LF2,PBE,XS/XS,2 X 1.5IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2 ,END PREPARATON:PLAIN BOTH ENDS,SERVICE:LOW TEMP ,SCHEDULE:XS/XS,SIZE:2 X 1.5 IN ,REFERENCE NUMBER:WNH836ZZ509190819			EA	2							
185	3742190043	NPL,ECC,A105,PBE,160/160,0.75 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAI BOTH ENDS,SCHEDULE:160/160 ,SIZE:0.75 X 0.5 IN,REFERENCE NUMBER:WPH026ZZ005100410			EA	5							

186	3742190073	NPL,ECC,A105,PBE,STD/STD,0.75 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAI BOTH ENDS,SCHEDULE:STD/STD ,SIZE:0.75 X 0.5 IN,REFERENCE NUMBER:WPH026ZZ005180418			EA	5							
187	3742190113	NPL,ECC,A105,PBE,STD/STD,1 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAI BOTH ENDS,SCHEDULE:STD/STD ,SIZE:1 X 0.5 IN,REFERENCE NUMBER:WPH026ZZ006180418			EA	5							

188	3742190223	NPL,ECC,A105,PBE,STD/STD,1.5 X 0.75IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAI BOTH ENDS,SCHEDULE:STD/STD ,SIZE:1.5 X 0.75 IN,REFERENCE NUMBER:WPH026ZZ008180518			EA	7							
189	3742190253	NPL,ECC,A105,PBE,STD/STD,1.5 X 1IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAI BOTH ENDS,SCHEDULE:STD/STD ,SIZE:1.5 X 1 IN,REFERENCE NUMBER:WPH026ZZ008180618			EA	2							

190	3742190203	NPL,ECC,A105,PBE,XS/160,1.5 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAI BOTH ENDS,SCHEDULE:XS/160 ,SIZE:1.5 X 0.5 IN,REFERENCE NUMBER:WPH026ZZ008190410			EA	7							
191	3742190213	NPL,ECC,A105,PBE,XS/160,1.5 X 0.75IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAI BOTH ENDS,SCHEDULE:XS/160 ,SIZE:1.5 X 0.75 IN,REFERENCE NUMBER:WPH026ZZ008190510			EA	7							

192	3742190263	NPL,ECC,A105,PBE,XS/XS,1.5 X 1IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAI BOTH ENDS,SCHEDULE:XS/XS,SIZE:1.5 X 1 IN ,REFERENCE NUMBER:WPH026ZZ008190619			EA	7							
193	3742190573	NPL,ECC,A105,PBE,STD/STD,2 X 0.75IN Long Text : NIPPLE,PIPE,TYPE:ECCENTRIC,SWAGE,DESIGN STANDARD:BS 3799, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105, END PREPARATION:PLAINBOTH ENDS,SCHEDULE:STD/STD, SIZE:2 X 0.75 IN			EA	7							

194	3742190413	NPL,ECC,A105,PBE,STD/STD,2 X 1IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAI BOTH ENDS,SCHEDULE:STD/STD,SIZE: 2 X 1 IN ,REFERENCE NUMBER:WPH026ZZ009180618			EA	7							
195	3742190423	NPL,ECC,A105,PBE,STD/XS,2 X 1IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAI BOTH ENDS,SCHEDULE:STD/XS,SIZE:2 X 1 IN ,REFERENCE NUMBER:WPH026ZZ009180619			EA	2							

196	3742190473	NPL,ECC,A105,PBE,STD/STD,2 X 1.5IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAI BOTH ENDS,SCHEDULE:STD/STD ,SIZE:2 X 1.5 IN,REFERENCE NUMBER:WPH026ZZ009180818			EA	7							
197	3742190313	NPL,ECC,A105,PBE,XS/160,2 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAI BOTH ENDS,SCHEDULE:XS/160 ,SIZE:2 X 0.5 IN,REFERENCE NUMBER:WPH026ZZ009190410			EA	2							

198	3742190513	NPL,ECC,A105,PBE,STD/XS,3 X 1IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAI BOTH ENDS,SCHEDULE:STD/XS,SIZE:3 X 1 IN ,REFERENCE NUMBER:WPH026ZZ011180619			EA	7							
199	3742190563	NPL,ECC,A105,PBE,STD/STD,3 X 1.5IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAI BOTH ENDS,SCHEDULE:STD/STD ,SIZE:3 X 1.5 IN,REFERENCE NUMBER:WPH026ZZ011180818			EA	2							

200	3742190543	NPL,ECC,A105,PBE,STD/XS,3 X 1.5IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAI BOTH ENDS,SCHEDULE:STD/XS ,SIZE:3 X 1.5 IN,REFERENCE NUMBER:WPH026ZZ011180819			EA	2							
201	3742190093	NPL,ECC,A105,PBE,XS/160,1 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAI BOTH ENDS,SERVICE:HYDROGEN ,SCHEDULE:XS/160,SIZE:1 X 0.5 IN ,REFERENCE NUMBER:WPH026ZZ706190410			EA	5							

202	3742190163	NPL,ECC,A105,PBE,XS/160,1 X 0.75IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAI BOTH ENDS,SERVICE:HYDROGEN ,SCHEDULE:XS/160,SIZE:1 X 0.75 IN ,REFERENCE NUMBER:WPH026ZZ706190510			EA	5							
203	3742190183	NPL,ECC,A105,PBE,XS/160,1.5 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAI BOTH ENDS,SERVICE:HYDROGEN ,SCHEDULE:XS/160,SIZE:1.5 X 0.5 IN ,REFERENCE NUMBER:WPH026ZZ708190410			EA	2							

204	3742190273	NPL,ECC,A105,PBE,XS/XS,1.5 X 1IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAI BOTH ENDS,SERVICE:HYDROGEN ,SCHEDULE:XS/XS,SIZE:1.5 X 1 IN ,REFERENCE NUMBER:WPH026ZZ708190619			EA	2							
205	3742190393	NPL,ECC,A105,PBE,160/160,2 X 1IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAI BOTH ENDS,SERVICE:HYDROGEN ,SCHEDULE:160/160,SIZE:2 X 1 IN ,REFERENCE NUMBER:WPH026ZZ709100610			EA	7							

206	3742190323	NPL,ECC,A105,PBE,XS/160,2 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAI BOTH ENDS,SERVICE:HYDROGEN ,SCHEDULE:XS/160,SIZE:2 X 0.5 IN ,REFERENCE NUMBER:WPH026ZZ709190410			EA	2							
207	3742190353	NPL,ECC,A105,PBE,XS/160,2 X 0.75IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAI BOTH ENDS,SERVICE:HYDROGEN ,SCHEDULE:XS/160,SIZE:2 X 0.75 IN ,REFERENCE NUMBER:WPH026ZZ709190510			EA	2							

208	3742190383	NPL,ECC,A105,PBE,XS/160,2 X 1IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAI BOTH ENDS,SERVICE:HYDROGEN ,SCHEDULE:XS/160,SIZE:2 X 1 IN ,REFERENCE NUMBER:WPH026ZZ709190610			EA	2							
209	3742190403	NPL,ECC,A105,PBE,XS/XS,2 X 1IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAI BOTH ENDS,SERVICE:HYDROGEN ,SCHEDULE:XS/XS,SIZE:2 X 1 IN ,REFERENCE NUMBER:WPH026ZZ709190619			EA	7							

210	3742190463	NPL,ECC,A105,PBE,XS/XS,2 X 1.5IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAI BOTH ENDS,SERVICE:HYDROGEN ,SCHEDULE:XS/XS,SIZE:2 X 1.5 IN ,REFERENCE NUMBER:WPH026ZZ709190819			EA	2							
211	3742190533	NPL,ECC,A105,PBE,STD/XS,3 X 1.5IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:PLAI BOTH ENDS,SERVICE:HYDROGEN ,SCHEDULE:STD/XS,SIZE:3 X 1.5 IN ,REFERENCE NUMBER:WPH026ZZ711180819			EA	5							

212	3742190303	NPL,ECC,A105,TOE,XS/160,2 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END PREPARATION:THREDED ONE END,SCHEDULE:XS/160 ,SIZE:2 X 0.5 IN,REFERENCE NUMBER:WPH02HZZ009190410			EA	2							
213	3742770023	NPL,ECC,F304,PBE,80S/80S,0.75 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,ENDREPARATION:PLAIN BOTH ENDS,SCHEDULE:80S/80S ,SIZE:0.75 X 0.5 IN,REFERENCE NUMBER:WPH426ZZ005140414			EA	5							

214	3742770033	NPL,ECC,F304,PBE,40S/80S,1 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,ENDREPARATION:PLAIN BOTH ENDS,SCHEDULE:40S/80S ,SIZE:1 X 0.5 IN,REFERENCE NUMBER:WPH426ZZ006130414			EA	5							
215	3742770093	NPL,ECC,F304,PBE,40S/80S,1.5 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,ENDREPARATION:PLAIN BOTH ENDS,SCHEDULE:40S/80S ,SIZE:1.5 X 0.5 IN,REFERENCE NUMBER:WPH426ZZ008130414			EA	2							

216	3742770113	NPL,ECC,F304,PBE,40S/80S,1.5 X 0.75IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,ENDREPARATION:PLAIN BOTH ENDS,SCHEDULE:40S/80S ,SIZE:1.5 X 0.75 IN,REFERENCE NUMBER:WPH426ZZ008130514			EA	2							
217	3742770133	NPL,ECC,F304,PBE,40S/40S,1.5 X 1IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,ENDREPARATION:PLAIN BOTH ENDS,SCHEDULE:40S/40S ,SIZE:1.5 X 1 IN,REFERENCE NUMBER:WPH426ZZ008130613			EA	2							

218	3742770153	NPL,ECC,F304,PBE,40S/80S,2 X 0.75IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,ENDREPARATION:PLAIN BOTH ENDS,SCHEDULE:40S/80S ,SIZE:2 X 0.75 IN,REFERENCE NUMBER:WPH426ZZ009130514			EA	7							
219	3742770163	NPL,ECC,F304,PBE,40S/40S,2 X 1IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,ENDREPARATION:PLAIN BOTH ENDS,SCHEDULE:40S/40S,SIZE: 2 X 1 IN ,REFERENCE NUMBER:WPH426ZZ009130613			EA	7							

220	3742770193	NPL,ECC,F304,PBE,40S/40S,2 X 1.5IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,ENDREPARATION:PLAIN BOTH ENDS,SCHEDULE:40S/40S ,SIZE:2 X 1.5 IN,REFERENCE NUMBER:WPH426ZZ009130813			EA	7							
221	3742770213	NPL,ECC,F304,PBE,10S/40S,3 X 1IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,ENDREPARATION:PLAIN BOTH ENDS,SCHEDULE:10S/40S,SIZE: 3 X 1 IN ,REFERENCE NUMBER:WPH426ZZ011120613			EA	5							

222	3742770223	NPL,ECC,F304,PBE,10S/40S,3 X 1.5IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,ENDREPARATION:PLAIN BOTH ENDS,SCHEDULE:10S/40S ,SIZE:3 X 1.5 IN,REFERENCE NUMBER:WPH426ZZ011120813			EA	5							
223	3742770103	NPL,ECC,F304,PBE,40S/80S,1.5 X 0.75IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,ENDREPARATION:PLAIN BOTH ENDS,SERVICE:CRYO,SCHEDULE:40S/80S ,SIZE:1.5 X 0.75 IN,REFERENCE NUMBER:WPH426ZZ408130514			EA	2							

224	3742770123	NPL,ECC,F304,PBE,40S/40S,1.5 X 1IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ENDREPARATION:PLAIN BOTH ENDS,SERVICE:CRYO,SCHEDULE:40S/40S ,SIZE:1.5 X 1 IN,REFERENCE NUMBER:WPH426ZZ408130613			EA	2							
225	3742770143	NPL,ECC,F304,PBE,40S/80S,2 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,ENDREPARATION:PLAIN BOTH ENDS,SERVICE:CRYO,SCHEDULE:40S/80S ,SIZE:2 X 0.5 IN,REFERENCE NUMBER:WPH426ZZ409130414			EA	2							

226	3742770173	NPL,ECC,F304,PBE,40S/40S,2 X 1IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,ENDREPARATION:PLAIN BOTH ENDS,SERVICE:CRYO,SCHEDULE:40S/40S ,SIZE:2 X 1 IN,REFERENCE NUMBER:WPH426ZZ409130613			EA	2							
227	3742770183	NPL,ECC,F304,PBE,40S/40S,2 X 1.5IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,ENDREPARATION:PLAIN BOTH ENDS,SERVICE:CRYO,SCHEDULE:40S/40S ,SIZE:2 X 1.5 IN,REFERENCE NUMBER:WPH426ZZ409130813			EA	2							

228	3742270013	NPL,ECC,LF2,PBE,160/160,0.75 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2 ,END PREPARATIN:PLAIN BOTH ENDS,SERVICE:LOW TEMP ,SCHEDULE:160/160,SIZE:0.75 X 0.5 IN ,REFERENCE NUMBER:WPH836ZZ505100410			EA	5							
229	3742270023	NPL,ECC,LF2,PBE,XS/160,1 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2 ,END PREPARATIN:PLAIN BOTH ENDS,SERVICE:LOW TEMP ,SCHEDULE:XS/160,SIZE:1 X 0.5 IN ,REFERENCE NUMBER:WPH836ZZ506190410			EA	5							

230	3742270073	NPL,ECC,LF2,PBE,XS/160,2 X 0.75IN \Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2 ,END PREPARATIN:PLAIN BOTH ENDS,SERVICE:LOW TEMP ,SCHEDULE:XS/160,SIZE:2 X 0.75 IN ,REFERENCE NUMBER:WPH836ZZ509190510			EA	5							
231	3742270083	NPL,ECC,LF2,PBE,XS/XS,2 X 1IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2 ,END PREPARATIN:PLAIN BOTH ENDS,SERVICE:LOW TEMP ,SCHEDULE:XS/XS,SIZE:2 X 1 IN ,REFERENCE NUMBER:WPH836ZZ509190619			EA	5							

232	3742270093	NPL,ECC,LF2,PBE,XS/XS,2 X 1.5IN Long Text : NIPPLE, PIPE,TYPE:ECCENTRIC,SWAGE, DESIGN STANDARD:BS 3799 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2 ,END PREPARATIN:PLAIN BOTH ENDS,SERVICE:LOW TEMP ,SCHEDULE:XS/XS,SIZE:2 X 1.5 IN ,REFERENCE NUMBER:WPH836ZZ509190819			EA	5							
233	3730170113	ELB,A105,90,SW,0.75IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A105 ,MANUFACTURING PROCESS:SEAMLESS/WELDEDD EGREE:90 ,END CONNECTION:SOCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:0.75 IN,REFERENCE NUMBER:WA602D2Z005ZZZZZZ			EA	40							

234	3730170163	ELB,A105,90,SW,1IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A105 ,MANUFACTURING PROCESS:SEAMLESS/WELDEDD EGREE:90 ,END CONNECTION:SOCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:1 IN,REFERENCE NUMBER:WA602D2Z006ZZZZZ Z			EA	3							
235	3730170173	ELB,A105,90,SW,NACE,1.5IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A105,DEGREE:90 ,END CONNECTION:SOCKET WELD,ERTIFICATION:NACE ,PRESSURE RATING:CLASS 3000,SIZE:1.5 IN ,REFERENCE NUMBER:WA602D2Z208ZZZZZ Z			EA	5							

236	3730170123	ELB,A105,90,SW,H2,1IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A105,DEGREE:90 ,END CONNECTION:SOCKET WELD,ERVICE:HYDROGEN ,PRESSURE RATING:CLASS 3000,SIZE:1 IN ,REFERENCE NUMBER:WA602D2Z706ZZZZZZ			EA	17							
237	3730170103	ELB,A105,90,SW,0.75IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A105,DEGREE:90 ,END CONNECTION:SOCKET WELD,RESSURE RATING:CLASS 6000,SIZE:0.75 IN,REFERENCE NUMBER:WA602D3Z005ZZZZZZ			EA	32							

238	3730170133	ELB,A105,90,SW,1IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A105 ,MANUFACTURING PROCESS:SEAMLESS/WELDEDD EGREE:90 ,END CONNECTION:SOCKET WELD,PRESSURE RATING:CLASS 6000 ,SIZE:1 IN,REFERENCE NUMBER:WA602D3Z006ZZZZZ Z			EA	32							
239	3730170083	ELB,A105,90,SW,H2,0.75IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A105,DEGREE:90 ,END CONNECTION:SOCKET WELD,ERVICE:HYDROGEN ,PRESSURE RATING:CLASS 6000,SIZE:0.75 IN ,REFERENCE NUMBER:WA602D3Z705ZZZZZ Z			EA	12							

240	3729170033	ELB,A105,90,THD,0.75IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A105,COATING:GALVANIZED,DEGREE:90 ,END CONNCTION:THREADED,PRESSURE RATING:CLASS 3000 ,SIZE:0.75 IN,REFERENCE NUMBER:WA60882Z005ZZZZZZ			EA	10							
241	3729170063	ELB,A105,90,THD,1.5IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A105,COATING:GALVANIZED,DEGREE:90 ,END CONNCTION:THREADED,PRESSURE RATING:CLASS 3000,SIZE:1.5 IN ,REFERENCE NUMBER:WA60882Z008ZZZZZZ			EA	10							

242	3730330063	ELB,F11,90,SW,1.5IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:ALLOY STEEL ,MATERIAL STANDARD:ASTM A182 GR.F11-CL.2,DEGREE:90 ,END CONNECTION:SCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:1.5 IN,REFERENCE NUMBER:WA638D2Z008ZZZZZ Z			EA	5								
243	3730330043	ELB,F11,90,SW,H2,1IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:ALLOY STEEL ,MATERIAL STANDARD:ASTM A182 GR.F11-CL.2,DEGREE:90 ,END CONNECTION:SCKET WELD,SERVICE:HYDROGEN ,PRESSURE RATING:CLASS 3000,SIZE:1 IN ,REFERENCE NUMBER:WA638D2Z706ZZZZZ Z			EA	5								

244	3730330033	ELB,F11,90,SW,0.75IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:ALLOY STEEL ,MATERIAL STANDARD:ASTM A182 GR.F11-CL.2,DEGREE:90 ,END CONNECTION:SCKET WELD,PRESSURE RATING:CLASS 6000 ,SIZE:0.75 IN,REFERENCE NUMBER:WA638D3Z005ZZZZZ Z			EA	10								
245	3730330023	ELB,F11,90,SW,H2,0.5IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:ALLOY STEEL ,MATERIAL STANDARD:ASTM A182 GR.F11-CL.2,DEGREE:90 ,END CONNECTION:SCKET WELD,SERVICE:HYDROGEN ,PRESSURE RATING:CLASS 6000,SIZE:0.5 IN ,REFERENCE NUMBER:WA638D3Z704ZZZZZ Z			EA	10								

246	3730500013	ELB,F304,90,SW,0.5IN Long Text : ELBOW, IPE,DESIGN STANDARD:ASME B 16.11 MATERIAL:STAINLESS STEEL 304 MATERIAL STANDARD:ASTM A182 GR.F304 MANUFACTURING PROCESS:SEALESS/WELDED,DEGREE:90 END CONNECTION:SOCKET WELD,PRESSURE RATING:CLASS 3000 SIZE:0.5 IN,REFERENCE NUMBER:WA642D2Z004ZZZZZZ			EA	17							
247	3730500053	ELB,F304,90,SW,0.75IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,DEGREE:90 ,END CONNECTON:SOCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:0.75 IN,REFERENCE NUMBER:WA642D2Z005ZZZZZZ			EA	17							

248	3730500103	ELB,F304,90,SW,1.5IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,DEGREE:90 ,END CONNECTON:SOCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:1.5 IN,REFERENCE NUMBER:WA642D2Z008ZZZZZZ			EA	11							
249	3730500033	ELB,F304,90,SW,CRY,0.75IN \Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,DEGREE:90 ,END CONNECTON:SOCKET WELD,SERVICE:CRYO ,PRESSURE RATING:CLASS 3000,SIZE:0.75 IN ,REFERENCE NUMBER:WA642D2Z405ZZZZZZ			EA	5							

250	3730500043	ELB,F304,90,SW,H2,0.75IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,DEGREE:90 ,END CONNECTON:SOCKET WELD,SERVICE:HYDROGEN ,PRESSURE RATING:CLASS 3000,SIZE:0.75 IN ,REFERENCE NUMBER:WA642D2Z705ZZZZZZ			EA	5							
251	3730520063	ELB,F304L,90,SW,1IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.11 MATERIAL:STAINLESS STEEL 304L MATERIAL STANDARD:ASTM A182 GR.F304L MANUFACTURING PROCESS:SAMLESS/WELDED,DEGREE:90 END CONNECTION:SOCKET WELD,PRESSURE RATING:CLASS 3000 SIZE:1 IN,REFERENCE NUMBER:WA644D2Z006ZZZZZZ			EA	20							

252	3730520083	ELB,F304L,90,SW,1.5IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,MANUFACTURING PROCES:SEAMLESS/WELDED,DEGREE:90 ,END CONNECTION:SOCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:1.5 IN,REFERENCE NUMBER:WA644D2Z008ZZZZZZ			EA	20							
253	3730570023	ELB,F316L,90,SW,0.75IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A182 GR.F316L,DEGREE:90 ,END CONNETION:SOCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:0.75 IN,REFERENCE NUMBER:WA647D2Z005ZZZZZZ			EA	32							

254	3730570043	ELB,F316L,90,SW,1IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A182 GR.F316L,DEGREE:90 ,END CONNETION:SOCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:1 IN,REFERENCE NUMBER:WA647D2Z006ZZZZZZ			EA	20							
255	3730570033	ELB,F316L,90,SW,CRY,1IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A182 GR.F316L,DEGREE:90 ,END CONNETION:SOCKET WELD,SERVICE:CRYO ,PRESSURE RATING:CLASS 3000,SIZE:1 IN ,REFERENCE NUMBER:WA647D2Z406ZZZZZZ			EA	5							

256	3730200033	ELB,LF2,90,SW,LT,1IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A350 GR.LF2,DEGREE:90 ,END CONNECTION:SOCKE WELD,SERVICE:LOW TEMP ,PRESSURE RATING:CLASS 3000,SIZE:1 IN ,REFERENCE NUMBER:WA683D2Z506ZZZZZ Z			EA	10							
257	3730200023	ELB,LF2,90,SW,LT,0.75IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A350 GR.LF2,DEGREE:90 ,END CONNECTION:SOCKE WELD,SERVICE:LOW TEMP ,PRESSURE RATING:CLASS 6000,SIZE:0.75 IN ,REFERENCE NUMBER:WA683D3Z505ZZZZZ Z			EA	12							

258	3731330013	ELB,WP11,90,1.5D,BW,160,0.5 IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:ALLOY STEEL ,MATERIAL STANDARD:ASTM A234 GR.WP11-CL.1,DEGREE:90 ,RADIUS:1.5D LONGRADIUS,END CONNECTION:BUTT WELD,SCHEDULE:160 ,SIZE:0.5 IN,REFERENCE NUMBER:WAG564Z100410ZZZZ			EA	5							
259	3731170043	ELB,WPB,90,1.5D,BW,160,0.75 IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB MANUFACTURING PROCESS:SEAMLESS/WELED,DEGREE:90 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SCHEDULE:160 ,SIZE:0.75 IN,REFERENCE NUMBER:WAG684Z100510ZZZZ			EA	15							

260	3731330023	ELB,WP11,90,1.5D,BW,160,0.75IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:ALLOY STEEL ,MATERIAL STANDARD:ASTM A234 GR.WP11-CL.1,DEGREE:90 ,RADIUS:1.5D LONGRADIUS,END CONNECTION:BUTT WELD,SCHEDULE:160 ,SIZE:0.75 IN,REFERENCE NUMBER:WAG564Z100510ZZZZ			EA	5							
261	3731330093	ELB,WP11,90,1.5D,BW,STD,4IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:ALLOY STEEL ,MATERIAL STANDARD:ASTM A234 GR.WP11-CL.1,DEGREE:90 ,RADIUS:1.5D LONGRADIUS,END CONNECTION:BUTT WELD,SCHEDULE:STD ,SIZE:4 IN,REFERENCE NUMBER:WAG564Z101318ZZZZ			EA	17							

262	3731170093	ELB,WPB,90,1.5D,BW,XS,1IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB,DEGREE:90 ,RADIUS:1.5D LONG RADIS,END CONNECTION:BUTT WELD,SCHEDULE:XS ,SIZE:1 IN,REFERENCE NUMBER:WAG684Z100619ZZZ Z			EA	5							
263	3731170183	ELB,WPB,90,1.5D,BW,40,2IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB MANUFACTURING PROCESS:SEAMLESS/ELDED,DE GREE:90 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SCHEDULE:40 ,SIZE:2 IN,REFERENCE NUMBER:WAG684Z100904ZZZ Z			EA	5							

264	3731170153	ELB,WPB,90,1.5D,BW,STD,2IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB,DEGREE:90 ,RADIUS:1.5D LONG RADIS,END CONNECTION:BUTT WELD,SCHEDULE:STD ,SIZE:2 IN,REFERENCE NUMBER:WAG684Z100918ZZZZ			EA	25							
265	3731170223	ELB,WPB,90,1.5D,BW,160,2IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB ,MANUFACTURING PROCESS:SEAMLESS/ELDED,DEGREE:90 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SCHEDULE:160 ,SIZE:2 IN,REFERENCE NUMBER:WAG684Z100910ZZZZ			EA	9							

266	3731170233	ELB,WPB,90,1.5D,BW,STD,2.5IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB,DEGREE:90 ,RADIUS:1.5D LONG RADIS,END CONNECTION:BUTT WELD,SCHEDULE:STD ,SIZE:2.5 IN,REFERENCE NUMBER:WAG684Z101018ZZZZ			EA	15							
267	3731170303	ELB,WPB,90,1.5D,BW,XS,3IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB,DEGREE:90 ,RADIUS:1.5D LONG RADIS,END CONNECTION:BUTT WELD,SCHEDULE:XS ,SIZE:3 IN,REFERENCE NUMBER:WAG684Z101119ZZZZ			EA	5							

268	3731170323	ELB,WPB,90,1.5D,BW,XS,4IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB,DEGREE:90 ,RADIUS:1.5D LONG RADIS,END CONNECTION:BUTT WELD,SCHEDULE:XS ,SIZE:4 IN,REFERENCE NUMBER:WAG684Z101319ZZZZ			EA	2							
269	3731170343	ELB,WPB,90,1.5D,BW,NACE,STD,4IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB ,MANUFACTURING PROCESS:SEAMLESS/WLDED,DEGREE:90 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD ,CERTIFICATION:NACE,SCHEDULE:STD,SIZE:4 IN ,REFERENCE NUMBER:WAG684Z121318ZZZZ			EA	2							

270	3731170033	ELB,WPB,90,1.5D,BW,H2,160,0.5IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB ,MANUFACTURING PROCESS:SEAMLESS/WLDED,DEGREE:90 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD ,SERVICE:HYDROGEN,SCHEDULE:160,SIZE:0.5 IN ,REFERENCE NUMBER:WAG684Z170410ZZZZ			EA	5								
271	3731170053	ELB,WPB,90,1.5D,BW,H2,160,0.75IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB,DEGREE:90 ,RADIUS:1.5D LONG RADIS,END CONNECTION:BUTT WELD ,SERVICE:HYDROGEN,SCHEDULE:160,SIZE:0.75 IN ,REFERENCE NUMBER:WAG684Z170510ZZZZ			EA	5								

272	3731170083	ELB,WPB,90,1.5D,BW,H2,XS,1IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB,DEGREE:90 ,RADIUS:1.5D LONG RADIS,END CONNECTION:BUTT WELD ,SERVICE:HYDROGEN,SCHEDULE:XS,SIZE:1 IN ,REFERENCE NUMBER:WAG684Z170619ZZZZ			EA	105							
273	3731170133	ELB,WPB,90,1.5D,BW,H2,160,2IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB ,MANUFACTURING PROCESS:SEAMLESS/WLDED,DEGREE:90 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD ,SERVICE:HYDROGEN,SCHEDULE:160,SIZE:2 IN ,REFERENCE NUMBER:WAG684Z170910ZZZZ			EA	5							

274	3731170143	ELB,WPB,90,1.5D,BW,H2,XS,2IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB ,MANUFACTURING PROCESS:SEAMLESS/WLDED,DEGREE:90 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD ,SERVICE:HYDROGEN,SCHEDULE:XS,SIZE:2 IN ,REFERENCE NUMBER:WAG684Z170919ZZZZ			EA	5								
275	3731170283	ELB,WPB,90,1.5D,BW,H2,XS,3IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB,DEGREE:90 ,RADIUS:1.5D LONG RADIS,END CONNECTION:BUTT WELD ,SERVICE:HYDROGEN,SCHEDULE:XS,SIZE:3 IN ,REFERENCE NUMBER:WAG684Z171119ZZZZ			EA	52								

276	3731170353	ELB,WPB,90,1.5D,BW,H2,120,4 IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB ,MANUFACTURING PROCESS:SEAMLESS/WLDED,DEGREE:90 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD ,SERVICE:HYDROGEN,SCHEDULE:120,SIZE:4 IN ,REFERENCE NUMBER:WAG684Z171308ZZZZ			EA	2							

277	3731170363	ELB,WPB,90,1.5D,BW,H2,STD,4 IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB ,MANUFACTURING PROCESS:SEAMLESS/WLDED,DEGREE:90 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD ,SERVICE:HYDROGEN,SCHEDULE:STD,SIZE:4 IN ,REFERENCE NUMBER:WAG684Z171318ZZZZ			EA	2								

278	3731170403	ELB,WPB,90,1.5D,BW,H2,XS,4IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB ,MANUFACTURING PROCESS:SEAMLESS/WLDED,DEGREE:90 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD ,SERVICE:HYDROGEN,SCHEDULE:XS,SIZE:4 IN ,REFERENCE NUMBER:WAG684Z171319ZZZZ			EA	2								

279	3731500073	ELB,S304,90,1.5D,BW,10S,3IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-304 ,MANUFACTURING PROCES:SEAMLESS,DEGREE:90 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SCHEDULE:10S ,SIZE:3 IN,REFERENCE NUMBER:WAG874Z101112ZZZZ			EA	10								

280	3731500023	ELB,S304,90,1.5D,BW,IBR,80S, 1.5IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-304 MANUFACTURING PROCES:SEAMLESS,DEGREE:90 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD ,CERTIFICATION:IBR,SCHEDULE :80S,SIZE:1.5 IN ,REFERENCE NUMBER:WAG874Z110814ZZZZ			EA	10								

281	3731500033	ELB,S304,90,1.5D,BW,CRY,40S,2IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-304 ,MANUFACTURING PROCES:SEAMLESS,DEGREE:90 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SERVICE:CRYO ,SCHEDULE:40S,SIZE:2 IN,REFERENCE NUMBER:WAG874Z140913ZZZZ			EA	10								

282	3731500063	ELB,S304,90,1.5D,BW,CRY,40S,2.5IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-304 MANUFACTURING PROCES:SEAMLESS,DEGREE:90 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SERVICE:CRYO ,SCHEDULE:40S,SIZE:2.5 IN,REFERENCE NUMBER:WAG874Z141013ZZZZ			EA	12								

283	3731500083	ELB,S304,90,1.5D,BW,CRY,10S,3IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-304 MANUFACTURING PROCES:SEAMLESS,DEGREE:90 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SERVICE:CRYO ,SCHEDULE:10S,SIZE:3 IN,REFERENCE NUMBER:WAG874Z141112ZZZZ			EA	10								

284	3731500093	ELB,S304,90,1.5D,BW,CRY,40S,3IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304 MATERIAL STANDARD:ASTM A403 GR.WP-S-304 ,MANUFACTURING PROCES:SEAMLESS,DEGREE:90 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SERVICE:CRYO ,SCHEDULE:40S,SIZE:3 IN,REFERENCE NUMBER:WAG874Z141113ZZZZ			EA	22								

285	3731520033	ELB,S304L,90,1.5D,BW,CRY,40S,2IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304L MATERIAL STANDARD:ASTM A403 GR.WP-S-304L MANUFACTURING PROESS:SEAMLESS,DEGREE:90 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SERVICE:CRYO ,SCHEDULE:40S,SIZE:2 IN,REFERENCE NUMBER:WAG934Z140913ZZZZ			EA	2								
286	3731520423	ELB,WP304L-S,90,1.5D,BW,CRY,40S,2IN Long Text : ELBOW,PIPE DESIGN STANDARD : ASME B 16.9 MATERIAL : STAINLESS STEEL 304L MATERIAL STANDARD : ASTM A403 GR.WP304L-S DEGREE: 90 RDIUS: 1.5D END CONNECTION : BUTT WELD SERVICE : CRYO SCHEDULE : 40S SIZE: 2 IN			NOS	4								

287	3731520493	ELB,WP304L-S,90,1.5D,BW,CRY,40S,4IN Long Text : ELBOW,PIPE DESIGN STANDARD : ASME B 16.9 MATERIAL : STAINLESS STEEL 304L MATERIAL STANDARD : ASTM A403 GR.WP304L-S DEGREE: 90 RDIUS: 1.5D END CONNECTION : BUTT WELD SERVICE : CRYO SCHEDULE : 40S SIZE: 4 IN			NOS	15							
288	3731550013	ELB,S316,90,1.5D,BW,80S,0.5IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316 MANUFACTURING PROCES:SEAMLESS,DEGREE:90 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SCHEDULE:80S ,SIZE:0.5 IN,REFERENCE NUMBER:WAG964Z100414ZZZZ			EA	251							

289	3731550023	ELB,S316,90,1.5D,BW,80S,0.75 IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316 MANUFACTURING PROCES:SEAMLESS,DEGREE:90 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SCHEDULE:80S ,SIZE:0.75 IN,REFERENCE NUMBER:WAG964Z100514ZZZZ			EA	207								

290	3731570013	ELB,S316L,90,1.5D,BW,40S,0.5IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316L MANUFACTURING PROESS:SEAMLESS,DEGREE:90 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SCHEDULE:40S ,SIZE:0.5 IN,REFERENCE NUMBER:WAGA34Z100413ZZZZ			EA	236								

291	3731570023	ELB,S316L,90,1.5D,BW,40S,0.75IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316L MANUFACTURING PROESS:SEAMLESS,DEGREE:90 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SCHEDULE:40S ,SIZE:0.75 IN,REFERENCE NUMBER:WAGA34Z100513ZZZZ			EA	221								

292	3731570033	ELB,S316L,90,1.5D,BW,40S,1IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316L MANUFACTURING PROESS:SEAMLESS,DEGREE:90 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SCHEDULE:40S ,SIZE:1 IN,REFERENCE NUMBER:WAGA34Z100613ZZZ Z			EA	134							

293	3731570043	ELB,S316L,90,1.5D,BW,40S,1.5IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316L MANUFACTURING PROESS:SEAMLESS,DEGREE:90 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SCHEDULE:40S ,SIZE:1.5 IN,REFERENCE NUMBER:WAGA34Z100813ZZZZ			EA	31								

294	3731570053	ELB,S316L,90,1.5D,BW,40S,2IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316L MANUFACTURING PROESS:SEAMLESS,DEGREE:90 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SCHEDULE:40S ,SIZE:2 IN,REFERENCE NUMBER:WAGA34Z100913ZZZZ			EA	32								
295	3731520453	ELB,WP304L-S,90,1.5D,BW,CRY,40S,3IN Long Text : ELBOW,PIPE DESIGN STANDARD : ASME B 16.9 MATERIAL : STAINLESS STEEL 304L MATERIAL STANDARD : ASTM A403 GR.WP304L-S DEGREE: 90 RDIUS: 1.5D END CONNECTION : BUTT WELD SERVICE : CRYO SCHEDULE : 40S SIZE: 3 IN			NOS	61								

296	3731570183	ELB,WP316L-S,90,1.5D,BW,10S,4IN Long Text : ELBOW,PIPE DESIGN STANDARD : ASME B 16.9 MATERIAL : STAINLESS STEEL 316L MATERIAL STANDARD : ASTM A403 GR.WP316L-S DEGREE: 90 RDIUS: 1.5D END CONNECTION : BUTT WELD SCHEDULE : 10S SIZE: 4 IN			NOS	15								
297	3731570063	ELB,S316L,90,1.5D,BW,CRY,40S,2IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316L MATERIAL STANDARD:ASTM A403 GR.WP-S-316L MANUFACTURING PROESS:SEAMLESS,DEGREE:90 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SERVICE:CRYO ,SCHEDULE:40S,SIZE:2 IN,REFERENCE NUMBER:WAGA34Z140913ZZZZ			EA	2								

298	3731200013	ELB,WPL6,90,1.5D,BW,LT,XS,2IN \Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A420 GR.WPL6,DEGREE:90 ,RADIUS:1.5D LONG RADUS,END CONNECTION:BUTT WELD ,SERVICE:LOW TEMP,SCHEDULE:XS,SIZE:2 IN ,REFERENCE NUMBER:WAGB44Z150919ZZZZ			EA	2							
299	3731200023	ELB,WPL6,90,1.5D,BW,LT,STD,2.5IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A420 GR.WPL6,DEGREE:90 ,RADIUS:1.5D LONG RADUS,END CONNECTION:BUTT WELD ,SERVICE:LOW TEMP,SCHEDULE:STD,SIZE:2.5 IN ,REFERENCE NUMBER:WAGB44Z151018ZZZZ			EA	12							

300	3731200033	ELB,WPL6,90,1.5D,BW,LT,STD, 3IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A420 GR.WPL6,DEGREE:90 ,RADIUS:1.5D LONG RADUS,END CONNECTION:BUTT WELD ,SERVICE:LOW TEMP,SCHEDULE:STD,SIZE:3 IN ,REFERENCE NUMBER:WAGB44Z151118ZZZZ			EA	49							
301	3726170033	ELB,A105,45,SW,0.5IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A105 MANUFACTURING PROCESS:SEAMLESS/WELDEDD EGREE:45 ,END CONNECTION:SOCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:0.5 IN,REFERENCE NUMBER:WB602D2Z004ZZZZZZ			EA	10							

302	3726170133	ELB,A105,45,SW,H2,1.5IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A105,DEGREE:45 ,END CONNECTION:SOCKET WELD,ERVICE:HYDROGEN ,PRESSURE RATING:CLASS 3000,SIZE:1.5 IN ,REFERENCE NUMBER:WB602D2Z708ZZZZZ Z			EA	15							
303	3726170023	ELB,A105,45,SW,0.5IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A105,DEGREE:45 ,END CONNECTION:SOCKET WELD,RESSURE RATING:CLASS 6000 ,SIZE:0.5 IN,REFERENCE NUMBER:WB602D3Z004ZZZZZ Z			EA	12							

304	3726170063	ELB,A105,45,SW,0.75IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A105 ,MANUFACTURING PROCESS:SEAMLESS/WELDEDD EGREE:45 ,END CONNECTION:SOCKET WELD,PRESSURE RATING:CLASS 6000 ,SIZE:0.75 IN,REFERENCE NUMBER:WB602D3Z005ZZZZZ Z			EA	17							
305	3726170073	ELB,A105,45,SW,NACE,0.75IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A105,DEGREE:45 ,END CONNECTION:SOCKET WELD,ERTIFICATION:NACE ,PRESSURE RATING:CLASS 6000,SIZE:0.75 IN ,REFERENCE NUMBER:WB602D3Z205ZZZZZ Z			EA	10							

306	3726170083	ELB,A105,45,SW,H2,0.75IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A105,DEGREE:45 ,END CONNECTION:SOCKET WELD,ERVICE:HYDROGEN ,PRESSURE RATING:CLASS 6000,SIZE:0.75 IN ,REFERENCE NUMBER:WB602D3Z705ZZZZZZ			EA	10							
307	3725170013	ELB,A105,45,THD,0.5IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A105,COATING:GALVANIZED,DEGREE:45 ,END CONNCTION:THREADED,PRESSURE RATING:CLASS 3000,SIZE:0.5 IN ,REFERENCE NUMBER:WB60882Z004ZZZZZZ			EA	250							

308	3725170033	ELB,A105,45,THD,1IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A105,COATING:GALVANIZED,DEGREE:45 ,END CONNCTION:THREADED,PRESSURE RATING:CLASS 3000,SIZE:1 IN ,REFERENCE NUMBER:WB60882Z006ZZZZZZ			EA	100							
309	3726330013	ELB,F11,45,SW,1IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:ALLOY STEEL ,MATERIAL STANDARD:ASTM A182 GR.F11-CL.2,DEGREE:45 ,END CONNECTION:SCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:1 IN,REFERENCE NUMBER:WB638D2Z006ZZZZZZ			EA	12							

310	3726330023	ELB,F11,45,SW,1.5IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.11, MATERIAL:ALLOY STEEL, MATERIAL STANDARD:ASTM A182 GR.F11-CL.2,DEGREE:45, END CONNECTION:SCKET WELD,PRESSURE RATING:CLASS 3000, SIZE:1.5 IN			EA	12								
311	3726500023	ELB,F304,45,SW,0.5IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,DEGREE:45 ,END CONNECTON:SOCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:0.5 IN,REFERENCE NUMBER:WB642D2Z004ZZZZZZ			EA	251								

312	3726500033	ELB,F304,45,SW,0.75IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11 MATERIAL:STAINLESS STEEL 304 MATERIAL STANDARD:ASTM A182 GR.F304 MANUFACTURING PROCESS:SEMLESS/WELDED,DEGREE:45 END CONNECTION:SOCKET WELD,PRESSURE RATING:CLASS 3000 SIZE:0.75 IN,REFERENCE NUMBER:WB642D2Z005ZZZZZZ			EA	261							
313	3726500083	ELB,F304,45,SW,1.5IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,DEGREE:45 ,END CONNECTON:SOCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:1.5 IN,REFERENCE NUMBER:WB642D2Z008ZZZZZZ			EA	10							

314	3726500053	ELB,F304,45,SW,H2,0.75IN \Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,DEGREE:45 ,END CONNECTON:SOCKET WELD,SERVICE:HYDROGEN ,PRESSURE RATING:CLASS 3000,SIZE:0.75 IN ,REFERENCE NUMBER:WB642D2Z705ZZZZZ Z			EA	10							
315	3726520023	ELB,F304L,45,SW,0.75IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L,DEGREE:45 ,END CONNETION:SOCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:0.75 IN,REFERENCE NUMBER:WB644D2Z005ZZZZZ Z			EA	10							

316	3726520043	ELB,F304L,45,SW,1IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L,DEGREE:45 ,END CONNETION:SOCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:1 IN,REFERENCE NUMBER:WB644D2Z006ZZZZZZ			EA	10							
317	3726520073	ELB,F304L,45,SW,1.5IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L,DEGREE:45 ,END CONNETION:SOCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:1.5 IN,REFERENCE NUMBER:WB644D2Z008ZZZZZZ			EA	10							

318	3726200033	ELB,LF2,45,SW,LT,1IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A350 GR.LF2,DEGREE:45 ,END CONNECTION:SOCKE WELD,SERVICE:LOW TEMP ,PRESSURE RATING:CLASS 3000,SIZE:1 IN ,REFERENCE NUMBER:WB683D2Z506ZZZZZ Z			EA	5							
319	3726200043	ELB,LF2,45,SW,LT,1.5IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A350 GR.LF2,DEGREE:45 ,END CONNECTION:SOCKE WELD,SERVICE:LOW TEMP ,PRESSURE RATING:CLASS 3000,SIZE:1.5 IN ,REFERENCE NUMBER:WB683D2Z508ZZZZZ Z			EA	5							

320	3726200013	ELB,LF2,45,SW,LT,0.5IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A350 GR.LF2,DEGREE:45 ,END CONNECTION:SOCKE WELD,SERVICE:LOW TEMP ,PRESSURE RATING:CLASS 6000,SIZE:0.5 IN ,REFERENCE NUMBER:WB683D3Z504ZZZZZ Z			EA	5							
321	3727330013	ELB,WP11,45,1.5D,BW,160,0.5 IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:ALLOY STEEL ,MATERIAL STANDARD:ASTM A234 GR.WP11-CL.1,DEGREE:45 ,RADIUS:1.5D LONGRADIUS,END CONNECTION:BUTT WELD,SCHEDULE:160 ,SIZE:0.5 IN,REFERENCE NUMBER:WBG564Z100410ZZZ Z			EA	253							

322	3727330023	ELB,WP11,45,1.5D,BW,160,0.75IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:ALLOY STEEL ,MATERIAL STANDARD:ASTM A234 GR.WP11-CL.1,DEGREE:45 ,RADIUS:1.5D LONGRADIUS,END CONNECTION:BUTT WELD,SCHEDULE:160 ,SIZE:0.75 IN,REFERENCE NUMBER:WBG564Z100510ZZZZ			EA	250							
323	3727170013	ELB,WPB,45,1.5D,BW,160,0.5IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB ,MANUFACTURING PROCESS:SEAMLESS/WLDED,DEGREE:45 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SCHEDULE:160 ,SIZE:0.5IN,REFERENCE NUMBER:WBG684Z100410ZZZZ			EA	254							

324	3727170023	ELB,WPB,45,1.5D,BW,160,0.75 IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB MANUFACTURING PROCESS:SEAMLESS/WELED,DEGREE:45 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SCHEDULE:160 ,SIZE:0.75 IN,REFERENCE NUMBER:WBG684Z100510ZZZZ			EA	208								
325	3727170043	ELB,WPB,45,1.5D,BW,XS,1IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB,DEGREE:45 ,RADIUS:1.5D LONG RADIS,END CONNECTION:BUTT WELD,SCHEDULE:XS ,SIZE:1 IN,REFERENCE NUMBER:WBG684Z100619ZZZZ			EA	104								

326	3727170063	ELB,WPB,45,1.5D,BW,XS,1.5IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB,DEGREE:45 ,RADIUS:1.5D LONG RADIS,END CONNECTION:BUTT WELD,SCHEDULE:XS ,SIZE:1.5 IN,REFERENCE NUMBER:WBG684Z100819ZZZ Z			EA	5							
327	3727170133	ELB,WPB,45,1.5D,BW,160,2IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB ,MANUFACTURING PROCESS:SEAMLESS/ELDED,DE GREE:45 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SCHEDULE:160 ,SIZE:2 IN,REFERENCE NUMBER:WBG684Z100910ZZZ Z			EA	20							

328	3727170123	ELB,WPB,45,1.5D,BW,STD,2IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB,DEGREE:45 ,RADIUS:1.5D LONG RADIS,END CONNECTION:BUTT WELD,SCHEDULE:STD ,SIZE:2 IN,REFERENCE NUMBER:WBG684Z100918ZZZ Z			EA	10							
329	3727171323	ELBOW.45,B-16.9 Long Text : ELBOW.45,B-16.9,ASTM A 234 GR.WPB,BW,1.5D,3.0 INCH,S40			NOS	28							
330	3727170163	ELB,WPB,45,1.5D,BW,STD,3IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB,DEGREE:45 ,RADIUS:1.5D LONG RADIS,END CONNECTION:BUTT WELD,SCHEDULE:STD ,SIZE:3 IN,REFERENCE NUMBER:WBG684Z101118ZZZ Z			EA	36							

331	3727170073	ELB,WPB,45,1.5D,BW,NACE,XS, 2IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB,DEGREE:45 ,RADIUS:1.5D LONG RADIS,END CONNECTION:BUTT WELD ,CERTIFICATION:NACE,SCHEDULE:XS,SIZE:2 IN ,REFERENCE NUMBER:WBG684Z120919ZZZZ			EA	8								

332	3727170233	ELB,WPB,45,1.5D,BW,NACE,STD,4IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB,DEGREE:45 ,RADIUS:1.5D LONG RADIS,END CONNECTION:BUTT WELD ,CERTIFICATION:NACE,SCHEDULE:STD,SIZE:4 IN ,REFERENCE NUMBER:WBG684Z121318ZZZZ			EA	13							
333	3727170103	ELB,WPB,45,1.5D,BW,H2,XS,2IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB,DEGREE:45 ,RADIUS:1.5D LONG RADIS,END CONNECTION:BUTT WELD ,SERVICE:HYDROGEN,SCHEDULE:XS,SIZE:2 IN ,REFERENCE NUMBER:WBG684Z170919ZZZZ			EA	8							

334	3727170193	ELB,WPB,45,1.5D,BW,H2,STD,4 IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB,DEGREE:45 ,RADIUS:1.5D LONG RADIS,END CONNECTION:BUTT WELD ,SERVICE:HYDROGEN,SCHEDULE:STD,SIZE:4 IN ,REFERENCE NUMBER:WBG684Z171318ZZZZ			EA	8							
335	3727520013	ELB,S304L,45,1.5D,BW,40S,2IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A403 GR.WP-S-304L ,MANUFACTURING PROESS:SEAMLESS,DEGREE:45 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SCHEDULE:40S ,SIZE:2 IN,REFERENCE NUMBER:WBG934Z100913ZZZZ			EA	8							

336	3727520033	ELB,S304L,45,1.5D,BW,CRY,40S,3IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A403 GR.WP-S-304L ,MANUFACTURING PROESS:SEAMLESS,DEGREE:45 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SERVICE:CRYO ,SCHEDULE:40S,SIZE:3 IN,REFERENCE NUMBER:WBG934Z141113ZZZZ			EA	20								

337	3727550013	ELB,S316,45,1.5D,BW,80S,0.75 IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316 ,MANUFACTURING PROCES:SEAMLESS,DEGREE:45 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SCHEDULE:80S ,SIZE:0.75 IN,REFERENCE NUMBER:WBG964Z100514ZZZZ			EA	199								

338	3727570013	ELB,S316L,45,1.5D,BW,40S,0.5IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316L MANUFACTURING PROESS:SEAMLESS,DEGREE:45 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SCHEDULE:40S ,SIZE:0.5 IN,REFERENCE NUMBER:WBGA34Z100413ZZZZ			EA	249								

339	3727570023	ELB,S316L,45,1.5D,BW,40S,0.75IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316L ,MANUFACTURING PROESS:SEAMLESS,DEGREE:45 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SCHEDULE:40S ,SIZE:0.75 IN,REFERENCE NUMBER:WBGA34Z100513ZZZZ			EA	94								

340	3727570033	ELB,S316L,45,1.5D,BW,40S,1IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316L MANUFACTURING PROESS:SEAMLESS,DEGREE:45 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SCHEDULE:40S,SIZE:1 IN,REFERENCE NUMBER:WBGA34Z100613ZZZZ			EA	100							

341	3727570043	ELB,S316L,45,1.5D,BW,40S,1.5IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316L MATERIAL STANDARD:ASTM A403 GR.WP-S-316L ,MANUFACTURING PROESS:SEAMLESS,DEGREE:45 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SCHEDULE:40S ,SIZE:1.5 IN,REFERENCE NUMBER:WBGA34Z100813ZZZZ			EA	5								

342	3727570063	ELB,S316L,45,1.5D,BW,10S,4IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316L MANUFACTURING PROESS:SEAMLESS,DEGREE:45 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SCHEDULE:10S ,SIZE:4 IN,REFERENCE NUMBER:WBGA34Z101312ZZZZ			EA	8								
343	3727200013	ELB,WPL6,45,1.5D,BW,LT,XS,2IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A420 GR.WPL6,DEGREE:45 ,RADIUS:1.5D LONG RADUS,END CONNECTION:BUTT WELD ,SERVICE:LOW TEMP,SCHEDULE:XS,SIZE:2 IN ,REFERENCE NUMBER:WBGB44Z150919ZZZZ			EA	5								

344	3727200023	ELB,WPL6,45,1.5D,BW,LT,STD,3IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A420 GR.WPL6,DEGREE:45 ,RADIUS:1.5D LONG RADUS,END CONNECTION:BUTT WELD ,SERVICE:LOW TEMP,SCHEDULE:STD,SIZE:3 IN ,REFERENCE NUMBER:WBGB44Z151118ZZZZ			EA	54							
345	3731170663	ELB,WPB,90,1.5D,BW,40,12IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB ,MANUFACTURING PROCESS:SEAMLESS/ELDED,DEGREE:90 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SCHEDULE:40 ,SIZE:12 IN,REFERENCE NUMBER:WAG684Z101804ZZZZ			EA	15							

346	3727170463	ELB,WPB,45,1.5D,BW,40,12IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB MANUFACTURING PROCESS:SEAMLESS/ELDED,DEGREE:45 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD,SCHEDULE:40 ,SIZE:12 IN,REFERENCE NUMBER:WBG684Z101804ZZZZ			EA	3								
347	3727170693	ELB,WPBW,45,1.5D,BW,STD,18 IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB-W ,MANUFACTURING PROCESS:WELDED,EGREE:45,RADIUS:1.5D LONG RADIUS ,END CONNECTION:BUTT WELD,SCHEDULE:STD,SIZE:18 IN ,REFERENCE NUMBER:WBG754Z102118ZZZZ			EA	2								

348	4107010013	FL,BLD,A105,CL150,RF,0.5IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS 150,ACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:0.5 IN ,REFERENCE NUMBER:FBC0127Z004ZZZZZZ			EA	4								
349	4107010073	FL,BLD,A105,CL150,RF,0.75IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS 150,ACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:0.75 IN ,REFERENCE NUMBER:FBC0127Z005ZZZZZZ			EA	90								

350	4107010173	FL,BLD,A105,CL150,RF,1IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS 150,ACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:1 IN ,REFERENCE NUMBER:FBC0127Z006ZZZZZZ			EA	106								
351	3726170043	ELB,A105,45,SW,0.75IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A105 ,MANUFACTURING PROCESS:SEAMLESS/WELDEDD EGREE:45 ,END CONNECTION:SOCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:0.75 IN,REFERENCE NUMBER:WB602D2Z005ZZZZZ Z			EA	12								

352	3726170143	ELB,A105,45,SW,1.5IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A105,DEGREE:45 ,END CONNECTION:SOCKET WELD,RESSURE RATING:CLASS 6000 ,SIZE:1.5 IN,REFERENCE NUMBER:WB602D3Z008ZZZZZZ			EA	5							
353	4107010263	FL,BLD,A105,CL150,RF,1.5IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS 150,ACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:1.5 IN ,REFERENCE NUMBER:FBC0127Z008ZZZZZZ			EA	50							

354	4107011393	FL,BLD,A105,CL150,RF,40,2.5IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105, PRESSURE RATING:CLASS 150,FCING FLANGE:RAISED FACE,FLANGE FACING FINISH:STOCK FINISH,HUB SCHEDULE:40, SIZE:2.5 IN,BLIND FOR TANK OVERFLOW LINE,NOZZLE MARK N2, SIZE:65NBXSCH40XWNRF#10, MANDATORY SPARE			EA	5								
355	4107010563	FL,BLD,A105,CL150,RF,3 X 1IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS 150,ACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:3 X 1 IN ,REFERENCE NUMBER:FBC0127Z011ZZ06ZZ			EA	46								

356	4107010573	FL,BLD,A105,CL150,RF,4IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS 150,ACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:4 IN ,REFERENCE NUMBER:FBC0127Z013ZZZZZZ			EA	42							
357	4107010103	FL,BLD,A105,CL150,RF,H2,0.75IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS 150,ACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:HYDROGEN,SIZE:0.75 IN ,REFERENCE NUMBER:FBC0127Z705ZZZZZZ			EA	81							

358	4107010033	FL,BLD,A105,CL300,RF,0.5IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS 300,ACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:0.5 IN ,REFERENCE NUMBER:FBC0147Z004ZZZZZZ			EA	87								
359	4107010113	FL,BLD,A105,CL300,RF,0.75IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS 300,ACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:0.75 IN ,REFERENCE NUMBER:FBC0147Z005ZZZZZZ			EA	104								

360	4107010293	FL,BLD,A105,CL300,RF,1.5IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS 300,ACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:1.5 IN ,REFERENCE NUMBER:FBC0147Z008ZZZZZZ			EA	87								
361	4107010453	FL,BLD,A105,CL300,RF,2 X 0.5IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS 300,ACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:2 X 0.5 IN ,REFERENCE NUMBER:FBC0147Z009ZZ04ZZ			EA	90								

362	4107010473	FL,BLD,A105,CL300,RF,2 X 1IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS 300,ACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:2 X 1 IN ,REFERENCE NUMBER:FBC0147Z009ZZ06ZZ			EA	88							
363	4107010373	FL,BLD,A105,CL300,RF,2IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS 300,ACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:2 IN ,REFERENCE NUMBER:FBC0147Z009ZZZZZZ			EA	75							

364	4107010043	FL,BLD,A105,CL300,RF,H2,0.5IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS 300,ACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:HYDROGEN,SIZE:0.5 IN ,REFERENCE NUMBER:FBC0147Z704ZZZZZZ			EA	111							
365	4107010133	FL,BLD,A105,CL300,RF,H2,0.75IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS 300,ACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:HYDROGEN,SIZE:0.75 IN ,REFERENCE NUMBER:FBC0147Z705ZZZZZZ			EA	106							

366	4107010143	FL,BLD,A105,CL600,RF,0.75IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS 600,ACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:0.75 IN ,REFERENCE NUMBER:FBC0167Z005ZZZZZZ			EA	85								
367	4107010233	FL,BLD,A105,CL600,RF,1IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS 600,ACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:1 IN ,REFERENCE NUMBER:FBC0167Z006ZZZZZZ			EA	85								

368	4107010483	FL,BLD,A105,CL600,RF,2 X 1.5IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS 600,ACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:2 X 1.5 IN ,REFERENCE NUMBER:FBC0167Z009ZZ08ZZ			EA	29							
369	4107010163	FL,BLD,A105,CL600,RF,H2,0.75IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS 600,ACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:HYDROGEN,SIZE:0.75 IN ,REFERENCE NUMBER:FBC0167Z705ZZZZZZ			EA	69							

370	4107410033	FL,BLD,A105,CL1500,RTJ,H2,0.75IN \Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105, PRESSURE RATING:CLASS 1500,ACING FLANGE:RING TYPE JOINT, FLANGE FACING FINISH:63AARH,SERVICE:HYDROGEN,SIZE:0.75 IN			EA	75							
371	4107410103	FL,BLD,A105,CL1500,RTJ,H2,2IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105, PRESSURE RATING:CLASS 1500,ACING FLANGE:RING TYPE JOINT, FLANGE FACING FINISH:63AARH,SERVICE:HYDROGEN,SIZE:2 IN			EA	50							

372	4107210023	FL,BLD,A105,CL150,FF,1IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105, PRESSURE RATING:CLASS 150,FCING FLANGE:FLAT FACE, FLANGE FACING FINISH:125AARH,SIZE:1 IN,COATING:GALVANIZED			EA	50								
373	4107210013	FL,BLD,A105,CL150,FF,3IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105, PRESSURE RATING:CLASS 150,FCING FLANGE:FLAT FACE, FLANGE FACING FINISH:125AARH,SIZE:3 IN,COATING:GALVANIZED			EA	25								

374	4122040023	FL,BLD,F11,CL150,RF,0.75IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A182 GR.F11 CL.2 PRESSURE RATINGCLASS 150,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:0.75 IN ,REFERENCE NUMBER:FBC3727Z005ZZZZZZ			EA	139							

375	4122040073	FL,BLD,F11,CL150,RF,3IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A182 GR.F11 CL.2 ,PRESSURE RATINGCLASS 150,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:3 IN ,REFERENCE NUMBER:FBC3727Z011ZZZZZZ			EA	45							

376	4122040013	FL,BLD,F11,CL300,RF,0.5IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A182 GR.F11 CL.2 ,PRESSURE RATINGCLASS 300,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:0.5 IN ,REFERENCE NUMBER:FBC3747Z004ZZZZZZ			EA	170							
377	4122040053	FL,BLD,F11,CL300,RF,1IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A182 GR.F11 CL.2 ,PRESSURE RATINGCLASS 300,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:1 IN ,REFERENCE NUMBER:FBC3747Z006ZZZZZZ			EA	95							

378	4122040063	FL,BLD,F11,CL300,RF,2IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A182 GR.F11 CL.2 ,PRESSURE RATINGCLASS 300,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:2 IN ,REFERENCE NUMBER:FBC3747Z009ZZZZZZ			EA	95							
379	4122040043	FL,BLD,F11,CL300,RF,H2,0.75IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A182 GR.F11 CL.2 ,PRESSURE RATING:LASS 300,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:HYDROGEN,SIZE:0.75 IN ,REFERENCE NUMBER:FBC3747Z705ZZZZZZ			EA	115							

380	4122440013	FL,BLD,F11,CL1500,RTJ,0.75IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A182 GR.F11 CL.2 ,PRESSURE RATINGCLASS 1500,FACING FLANGE:RING TYPE JOINT ,FLANGE FACING FINISH:63AARH,SIZE:0.75 IN ,REFERENCE NUMBER:FBC3789Z005ZZZZZZ			EA	101								
381	4122440023	FL,BLD,F11,CL1500,RTJ,2IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A182 GR.F11 CL.2 ,PRESSURE RATINGCLASS 1500,FACING FLANGE:RING TYPE JOINT ,FLANGE FACING FINISH:63AARH,SIZE:2 IN ,REFERENCE NUMBER:FBC3789Z009ZZZZZZ			EA	47								

382	4137010073	FL,BLD,F304,CL150,RF,0.75IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSURE RAING:CLASS 150 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,SIZE:0.75 IN,REFERENCE NUMBER:FBC4127Z005ZZZZZZ			EA	142								
383	4137010173	FL,BLD,F304,CL150,RF,1IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSURE RAING:CLASS 150 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,SIZE:1 IN,REFERENCE NUMBER:FBC4127Z006ZZZZZZ			EA	60								

384	4137010473	FL,BLD,F304,CL150,RF,4IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSURE RAING:CLASS 150 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,SIZE:4 IN,REFERENCE NUMBER:FBC4127Z013ZZZZZZ			EA	25								
385	4137010083	FL,BLD,F304,CL150,RF,CRY,0.7 5IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESI GN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSURE RATNG:CLASS 150 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,SERVICE:CRYO,SIZE:0.75 IN,REFERENCE NUMBER:FBC4127Z405ZZZZZZ			EA	85								

386	4137010313	FL,BLD,F304,CL150,RF,CRY,2IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 MATERIAL:STAINLESS STEEL 304 MATERIAL STANDARD:ASTM A182 GR.F304,PRESSURE RATIN:CLASS 150 FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH SERVICE:CRYO,SIZE:2 IN,REFERENCE NUMBER:FBC4127Z409ZZZZZZ			EA	35							
387	4137010093	FL,BLD,F304,CL300,RF,0.75IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSURE RAING:CLASS 300 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,SIZE:0.75 IN,REFERENCE NUMBER:FBC4147Z005ZZZZZZ			EA	139							

388	4137010393	FL,BLD,F304,CL300,RF,2 X 1IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSURE RAING:CLASS 300 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,SIZE:2 X 1 IN,REFERENCE NUMBER:FBC4147Z009ZZ06ZZ			EA	90								
389	4137010033	FL,BLD,F304,CL300,RF,CRY,0.5I N Long Text : FLANGE,PIPE,TYPE:BLIND,DESI GN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSURE RATNG:CLASS 300 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,SERVICE:CRYO,SIZE:0.5 IN,REFERENCE NUMBER:FBC4147Z404ZZZZZZ			EA	153								

390	4137010103	FL,BLD,F304,CL300,RF,CRY,0.75IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSURE RATNG:CLASS 300 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,SERVICE:CRYO,SIZE:0.75 IN,REFERENCE NUMBER:FBC4147Z405ZZZZZZ			EA	130								
391	4137010203	FL,BLD,F304,CL300,RF,CRY,1IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 MATERIAL:STAINLESS STEEL 304 MATERIAL STANDARD:ASTM A182 GR.F304,PRESSURE RATIN:CLASS 300 FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH SERVICE:CRYO,SIZE:1 IN,REFERENCE NUMBER:FBC4147Z406ZZZZZZ			EA	80								

392	4137010293	FL,BLD,F304,CL300,RF,CRY,1.5IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSURE RATNG:CLASS 300 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,SERVICE:CRYO,SIZE:1.5 IN,REFERENCE NUMBER:FBC4147Z408ZZZZZZ			EA	53								
393	4137010043	FL,BLD,F304,CL600,RF,CRY,0.5IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSURE RATNG:CLASS 600 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,SERVICE:CRYO,SIZE:0.5 IN,REFERENCE NUMBER:FBC4167Z404ZZZZZZ			EA	47								

394	4137010113	FL,BLD,F304,CL600,RF,CRY,0.75IN \Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSURE RATNG:CLASS 600 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,SERVICE:CRYO,SIZE:0.75 IN,REFERENCE NUMBER:FBC4167Z405ZZZZZZ			EA	48								
395	4137010213	FL,BLD,F304,CL600,RF,CRY,1IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 MATERIAL:STAINLESS STEEL 304 MATERIAL STANDARD:ASTM A182 GR.F304,PRESSURE RATIN:CLASS 600 FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH SERVICE:CRYO,SIZE:1 IN,REFERENCE NUMBER:FBC4167Z406ZZZZZZ			EA	50								

396	4137010343	FL,BLD,F304,CL600,RF,CRY,2IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 MATERIAL:STAINLESS STEEL 304 MATERIAL STANDARD:ASTM A182 GR.F304,PRESSURE RATIN:CLASS 600 FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH SERVICE:CRYO,SIZE:2 IN,REFERENCE NUMBER:FBC4167Z409ZZZZZZ			EA	47							
397	4137010493	FL,BLD,F304,CL600,RF,CRY,4IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 MATERIAL:STAINLESS STEEL 304 MATERIAL STANDARD:ASTM A182 GR.F304,PRESSURE RATIN:CLASS 600 FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH SERVICE:CRYO,SIZE:4 IN,REFERENCE NUMBER:FBC4167Z413ZZZZZZ			EA	14							

398	4137010123	FL,BLD,F304,CL600,RF,H2,0.75IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSURE RATNG:CLASS 600 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,SERVICE:HYDROGEN,SIZE:0.75 IN ,REFERENCE NUMBER:FBC4167Z705ZZZZZZ			EA	54								
399	4137010353	FL,BLD,F304L,CL150,RF,2IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,PRESSURERATING:CLASS 150,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:2 IN ,REFERENCE NUMBER:FBC4327Z009ZZZZZZ			EA	60								

400	4137010143	FL,BLD,F304L,CL150,RF,CRY,0.75IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,PRESSUREATING:CLASS 150,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:CRYO,SIZE:0.75 IN ,REFERENCE NUMBER:FBC4327Z405ZZZZZZ			EA	37								
401	4137010053	FL,BLD,F304L,CL300,RF,CRY,0.5IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,PRESSUREATING:CLASS 300,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:CRYO,SIZE:0.5 IN ,REFERENCE NUMBER:FBC4347Z404ZZZZZZ			EA	126								

402	4137010153	FL,BLD,F304L,CL300,RF,CRY,0.75IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,PRESSUREATING:CLASS 300,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:CRYO,SIZE:0.75 IN ,REFERENCE NUMBER:FBC4347Z405ZZZZZZ			EA	113								
403	4137010243	FL,BLD,F304L,CL300,RF,CRY,1IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,PRESSUREATING:CLASS 300,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:CRYO,SIZE:1 IN ,REFERENCE NUMBER:FBC4347Z406ZZZZZZ			EA	75								

404	4137010063	FL,BLD,F304L,CL600,RF,CRY,0.5 IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,PRESSUREATING:CLASS 600,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:CRYO,SIZE:0.5 IN ,REFERENCE NUMBER:FBC4367Z404ZZZZZZ			EA	66								
405	4137010163	FL,BLD,F304L,CL600,RF,CRY,0.75IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,PRESSUREATING:CLASS 600,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:CRYO,SIZE:0.75 IN ,REFERENCE NUMBER:FBC4367Z405ZZZZZZ			EA	44								

406	4137010253	FL,BLD,F304L,CL600,RF,CRY,1IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,PRESSUREATING:CLASS 600,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:CRYO,SIZE:1 IN ,REFERENCE NUMBER:FBC4367Z406ZZZZZZ			EA	50								
407	4137010383	FL,BLD,F304L,CL600,RF,CRY,2IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,PRESSUREATING:CLASS 600,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:CRYO,SIZE:2 IN ,REFERENCE NUMBER:FBC4367Z409ZZZZZZ			EA	21								

408	4137010463	FL,BLD,F304L,CL600,RF,CRY,3IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,PRESSUREATING:CLASS 600,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:CRYO,SIZE:3 IN ,REFERENCE NUMBER:FBC4367Z411ZZZZZZ			EA	14								
409	4137470013	FL,BLD,F316,CL1500,RTJ,0.75IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 316 ,MATERIAL STANDARD:ASTM A182 GR.F316 ,PRESSURERTING:CLASS 1500,FACING FLANGE:RING TYPE JOINT ,FLANGE FACING FINISH:63AARH,SIZE:0.75 IN ,REFERENCE NUMBER:FBC4489Z005ZZZZZZ			EA	26								

410	4137070043	FL,BLD,F316L,CL150,RF,0.75IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A182 GR.F316L ,PRESSURERATING:CLASS 150,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:0.75 IN ,REFERENCE NUMBER:FBC4627Z005ZZZZZZ			EA	52								
411	4137070103	FL,BLD,F316L,CL150,RF,2IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A182 GR.F316L ,PRESSURERATING:CLASS 150,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:2 IN ,REFERENCE NUMBER:FBC4627Z009ZZZZZZ			EA	68								

412	4137070023	FL,BLD,F316L,CL300,RF,0.5IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A182 GR.F316L ,PRESSURERATING:CLASS 300,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:0.5 IN ,REFERENCE NUMBER:FBC4647Z004ZZZZZZ			EA	150							
413	4137070053	FL,BLD,F316L,CL300,RF,0.75IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A182 GR.F316L ,PRESSURERATING:CLASS 300,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:0.75 IN ,REFERENCE NUMBER:FBC4647Z005ZZZZZZ			EA	121							

414	4137070093	FL,BLD,F316L,CL300,RF,1IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A182 GR.F316L ,PRESSURERATING:CLASS 300,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:1 IN ,REFERENCE NUMBER:FBC4647Z006ZZZZZZ			EA	75								
415	4137140013	FL,BLD,F347H,CL300,RF,0.5IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 347H ,MATERIAL STANDARD:ASTM A182 GR.F347H ,PRESSURERATING:CLASS 300,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:0.5 IN ,REFERENCE NUMBER:FBC5047Z004ZZZZZZ			EA	134								

416	4107030143	FL,BLD,LF2,CL150,RF,LT,0.5IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2, PRESSURE RATING:CLAS 150,FACING FLANGE:RAISED FACE, FLANGE FACING FINISH:125AARH,SERVICE:LOW TEMPERATURE, SIZE:0.5 IN			EA	58								
417	4107030153	FL,BLD,LF2,CL150,RF,LT,1IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2, PRESSURE RATING:CLAS 150,FACING FLANGE:RAISED FACE, FLANGE FACING FINISH:125AARH,SERVICE:LOW TEMPERATURE, SIZE:1 IN			EA	50								

418	4107030113	FL,BLD,LF2,CL300,RF,LT,0.5IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2, PRESSURE RATING:CLAS 300,FACING FLANGE:RAISED FACE, FLANGE FACING FINISH:125AARH,SERVICE:LOW TEMPERATURE, SIZE:0.5 IN			EA	144							
419	4107030233	FL,BLD,LF2,CL300,RF,LT,0.75IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2, PRESSURE RATING:CLAS 300,FACING FLANGE:RAISED FACE, FLANGE FACING FINISH:125AARH,SERVICE:LOW TEMPERATURE, SIZE:0.75 IN			EA	116							

420	4107030123	FL,BLD,LF2,CL300,RF,LT,1.5IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2, PRESSURE RATING:CLAS 300,FACING FLANGE:RAISED FACE, FLANGE FACING FINISH:125AARH,SERVICE:LOW TEMPERATURE, SIZE:1.5 IN			EA	56							
421	4107030293	FL,BLD,LF2,CL300,RF,LT,2 X 1IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2, PRESSURE RATING:CLAS 300,FACING FLANGE:RAISED FACE, FLANGE FACING FINISH:125AARH,SERVICE:LOW TEMPERATURE, SIZE:2 X 1 IN			EA	55							

422	4107030043	FL,BLD,LF2,CL300,RF,LT,2IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2, PRESSURE RATING:CLAS 300,FACING FLANGE:RAISED FACE, FLANGE FACING FINISH:125AARH,SERVICE:LOW TEMPERATURE, SIZE:2 IN			EA	44							
423	4107030243	FL,BLD,LF2,CL300,RF,LT,3X0.75 IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2, PRESSURE RATING:CLAS 300,FACING FLANGE:RAISED FACE, FLANGE FACING FINISH:125AARH,SERVICE:LOW TEMPERATURE, SIZE:3 X 0.75 IN			EA	31							

424	4107030133	FL,BLD,LF2,CL300,RF,LT,3IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2, PRESSURE RATING:CLAS 300,FACING FLANGE:RAISED FACE, FLANGE FACING FINISH:125AARH,SERVICE:LOW TEMPERATURE, SIZE:3 IN			EA	32								
425	4107030303	FL,BLD,LF2,CL300,RF,LT,4IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2, PRESSURE RATING:CLAS 300,FACING FLANGE:RAISED FACE, FLANGE FACING FINISH:125AARH,SERVICE:LOW TEMPERATURE, SIZE:4 IN			EA	32								

426	4107030333	FL,BLD,LF2,CL600,RF,LT,0.75IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2, PRESSURE RATING:CLAS 600,FACING FLANGE:RAISED FACE, FLANGE FACING FINISH:125AARH,SERVICE:LOW TEMPERATURE, SIZE:0.75 IN			EA	27							
427	4107030053	FL,BLD,LF2,CL600,RF,LT,1IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2, PRESSURE RATING:CLAS 600,FACING FLANGE:RAISED FACE, FLANGE FACING FINISH:125AARH,SERVICE:LOW TEMPERATURE, SIZE:1 IN			EA	57							

428	4107030263	FL,BLD,LF2,CL600,RF,LT,4IN Long Text : FLANGE,PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2, PRESSURE RATING:CLAS 600,FACING FLANGE:RAISED FACE, FLANGE FACING FINISH:125AARH,SERVICE:LOW TEMPERATURE, SIZE:4 IN			EA	35								
429	4122460013	FL,BLD,F91,CL1500,RTJ,0.75IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A182 GR.F91 ,PRESSURE RATING:CLAS 1500,FACING FLANGE:RING TYPE JOINT ,FLANGE FACING FINISH:63AARH,SIZE:0.75 IN ,REFERENCE NUMBER:FBCB789Z005ZZZZZZ			EA	43								

430	4122460023	FL,BLD,F91,CL1500,RTJ,1.5IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A182 GR.F91 ,PRESSURE RATING:CLAS 1500,FACING FLANGE:RING TYPE JOINT ,FLANGE FACING FINISH:63AARH,SIZE:1.5 IN ,REFERENCE NUMBER:FBCB789Z008ZZZZZZ			EA	20							
431	3741080353	NPL,BRL,GR.B,PBE,XS,80MM,1IN Long Text : NIPPLE, PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.10 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A106 GR.B ,MANUFACTURING PROCES:SEAMLESS ,END PREPARATION:PLAIN BOTH ENDS,SCHEDULE:XS,LENGTH:80 MM ,SIZE:1 IN,REFERENCE NUMBER:PN21967Z006190080			EA	65							

432	3741080013	NPL,BRL,GR.B,PBE,160,80MM, 0.5IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.10 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A106 GR.B,MANUFACTURING PROCES:SEAMLESS ,END PREPARATION:PLAIN BOTH ENDS,CERTIFICATION:NACE ,SCHEDULE:160,LENGTH:80 MM,SIZE:0.5 IN ,REFERENCE NUMBER:PN21967Z204100080			EA	2							
433	3741080043	NPL,BRL,GR.B,PBE,160,80MM, 0.5IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.10 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A106 GR.B ,MANUFACTURING PROCES:SEAMLESS ,END PREPARATION:PLAIN BOTH ENDS,SERVICE:HYDROGEN,SCHEDULE:160 ,LENGTH:80 MM,SIZE:0.5 IN,REFERENCE NUMBER:PN21967Z704100080			EA	2							

434	3741080093	NPL,BRL,GR.B,TBE,160,100MM ,0.5IN Long Text : NIPPLE, PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.10 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A106 GR.B ,MANUFACTURING PROCES:SEAMLESS ,END PREPARATION:THREADED BOTH ENDS,SCHEDULE:160,LENGTH: 100 MM ,SIZE:0.5 IN,REFERENCE NUMBER:PN219E7Z004100100			EA	70							
435	3741080223	NPL,BRL,GR.B,TBE,160,100MM ,0.5IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.10 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A106 GR.B ,MANUFACTURING PROCES:SEAMLESS ,END PREPARATION:THREADED BOTH ENDS,CERTIFICATION:IBR ,SCHEDULE:160,LENGTH:100 MM,SIZE:0.5 IN ,REFERENCE NUMBER:PN219E7Z104100100			EA	60							

436	3741080053	NPL,BRL,GR.B,TOE,XS,80MM,0.5IN Long Text : NIPPLE, PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.10 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A106 GR.B ,MANUFACTURING PROCES:SEAMLESS ,END PREPARATION:THREADED ONE END,SCHEDULE:XS,LENGTH:80 MM ,SIZE:0.5 IN,REFERENCE NUMBER:PN219G7Z004190080			EA	10							
437	3741080193	NPL,BRL,GR.B,TOE,XXS,100MM ,0.5IN Long Text : NIPPLE, PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.10 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A106 GR.B MANUFACTURING PROCES:SEAMLESS ,END PREPARATION:THREADED ONE END,SCHEDULE:XXS,LENGTH:100 MM ,SIZE:0.5 IN,REFERENCE NUMBER:PN219G7Z004200100			EA	20							

438	3741080153	NPL,BRL,GR.B,TOE,160,80MM,0.5IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.10 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A106 GR.B ,MANUFACTURING PROCES:SEAMLESS ,END PREPARATION:THREADED ONE END,SERVICE:HYDROGEN,SCHEDULE:160 ,LENGTH:80 MM,SIZE:0.5 IN,REFERENCE NUMBER:PN219G7Z704100080			EA	10							
439	3741270083	NPL,BRL,GR.6,PBE,160,100MM,0.75IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.10 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A333 GR.6 ,MANUFACTURING PROCES:SEAMLESS ,END PREPARATION:PLAIN BOTH ENDS,SERVICE:LOW TEMP,SCHEDULE:160 ,LENGTH:100 MM,SIZE:0.75 IN,REFERENCE NUMBER:PN24667Z505100100			EA	47							

440	3741320013	NPL,BRL,P11,PBE,160,80MM,0.5IN Long Text : NIPPLE, PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.10 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A335 GR.P11 ,MANUFACTURING PROCSS:SEAMLESS ,END PREPARATION:PLAIN BOTH ENDS,SCHEDULE:160,LENGTH: 80 MM ,SIZE:0.5 IN,REFERENCE NUMBER:PN24967Z004100080			EA	2								
441	3741320063	NPL,BRL,P11,PBE,160,80MM,0.75IN Long Text : NIPPLE, PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.10 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A335 GR.P11 ,MANUFACTURING PROCSS:SEAMLESS ,END PREPARATION:PLAIN BOTH ENDS,SCHEDULE:160,LENGTH: 80 MM ,SIZE:0.75 IN,REFERENCE NUMBER:PN24967Z005100080			EA	10								

442	3741320043	NPL,BRL,P11,PBE,160,100MM, 0.75IN Long Text : NIPPLE, PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.10 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A335 GR.P11 ,MANUFACTURING PROCSS:SEAMLESS ,END PREPARATION:PLAIN BOTH ENDS,SCHEDULE:160,LENGTH: 100 MM ,SIZE:0.75 IN,REFERENCE NUMBER:PN24967Z005100100			EA	20							
443	3741500013	NPL,BRL,TP304,PBE,80S,100M M,0.5IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESI GN STANDARD:ASME B 36.19 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A312 GR.TP304 ,MANUFACTRING PROCESS:SEAMLESS ,END PREPARATION:PLAIN BOTH ENDS,SCHEDULE:80S,LENGTH: 100 MM SIZE:0.5 IN,REFERENCE NUMBER:PN33567Z004140100			EA	20							

444	3741500093	NPL,BRL,TP304,PBE,80S,80MM ,0.75IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESI GN STANDARD:ASME B 36.19 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A312 GR.P304 ,MANUFACTRING PROCESS:SEAMLESS ,END PREPARATION:PLAIN BOTH ENDS,SCHEDULE:80S,LENGTH: 80 MM ,SIZE:0.75 IN,REFERENCE NUMBER:PN33567Z005140080			EA	10								
445	3741500133	NPL,BRL,TP304,PBE,80S,100M M,0.75IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESI GN STANDARD:ASME B 36.19 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A312 GR.TP304 ,MANUFACTRING PROCESS:SEAMLESS ,END PREPARATION:PLAIN BOTH ENDS,SCHEDULE:80S,LENGTH: 100 MM ,SIZE:0.75 IN,REFERENCE NUMBER:PN33567Z005140100			EA	40								

446	3741500163	NPL,BRL,TP304,PBE,40S,80MM ,1IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B36.19 MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A312 GR.TP304 ,MANUFACTURNG PROCESS:SEAMLESS ,END PREPARATION:PLAIN BOTH ENDS,SCHEDULE:40S,LENGTH: 80 MM ,SIZE:1 IN,REFERENCE NUMBER:PN33567Z006130080			EA	10								
447	3741500033	NPL,BRL,TP304,PBE,80S,100MM,0.5IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.19 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A312 GR.TP304 ,MANUFACTRING PROCESS:SEAMLESS ,END PREPARATION:PLAIN BOTH ENDS,SERVICE:CRYO,SCHEDULE:80S ,LENGTH:100 MM,SIZE:0.5 IN,REFERENCE NUMBER:PN33567Z404140100			EA	31								

448	3741500083	NPL,BRL,TP304,PBE,80S,80MM ,0.75IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESI GN STANDARD:ASME B 36.19 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A312 GR.TP304 ,MANUFACTRING PROCESS:SEAMLESS ,END PREPARATION:PLAIN BOTH ENDS,SERVICE:CRYO,SCHEDUL E:80S ,LENGTH:80 MM,SIZE:0.75 IN,REFERENCE NUMBER:PN33567Z405140080			EA	5								
449	3741500073	NPL,BRL,TP304,PBE,80S,100M M,0.75IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESI GN STANDARD:ASME B 36.19 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A312 GR.TP304 ,MANUFACTRING PROCESS:SEAMLESS ,END PREPARATION:PLAIN BOTH ENDS,SERVICE:CRYO,SCHEDUL E:80S ,LENGTH:100 MM,SIZE:0.75 IN,REFERENCE NUMBER:PN33567Z405140100			EA	49								

450	3741500143	NPL,BRL,TP304,PBE,40S,80MM,1IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.19 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A312 GR.TP304 ,MANUFACTRING PROCESS:SEAMLESS ,END PREPARATION:PLAIN BOTH ENDS,SERVICE:CRYO,SCHEDULE:40S ,LENGTH:80 MM,SIZE:1 IN,REFERENCE NUMBER:PN33567Z406130080			EA	53							
451	3741500023	NPL,BRL,TP304,TOE,80S,100MM,0.5IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.19 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A312 GR.TP304 ,MANUFACTRING PROCESS:SEAMLESS ,END PREPARATION:THREADED ONE END,SCHEDULE:80S,LENGTH:100 MM ,SIZE:0.5 IN,REFERENCE NUMBER:PN335G7Z004140100			EA	13							

452	3741500113	NPL,BRL,TP304,TOE,80S,100MM,0.75IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.19 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A312 GR.TP304 ,MANUFACTRING PROCESS:SEAMLESS ,END PREPARATION:THREADED ONE END,SCHEDULE:80S,LENGTH:100 MM ,SIZE:0.75 IN,REFERENCE NUMBER:PN335G7Z005140100			EA	47								
453	3741500123	NPL,BRL,TP304,TOE,80S,100MM,0.75IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.19 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A312 GR.TP304 ,MANUFACTRING PROCESS:SEAMLESS ,END PREPARATION:THREADED ONE END,SERVICE:CRYO,SCHEDULE:80S ,LENGTH:100 MM,SIZE:0.75 IN,REFERENCE NUMBER:PN335G7Z405140100			EA	50								

454	3741510023	NPL,BRL,TP304L,PBE,80S,100MM,0.5IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.19 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A312 GR.TP304L ,MANUFATURING PROCESS:SEAMLESS ,END PREPARATION:PLAIN BOTH ENDS,SCHEDULE:80S,LENGTH: 100 MM ,SIZE:0.5 IN,REFERENCE NUMBER:PN33767Z004140100			EA	27								
455	3741510113	NPL,BRL,TP304L,PBE,80S,80MM,0.75IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.19 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A312 GR.TP304L ,MANUFATURING PROCESS:SEAMLESS ,END PREPARATION:PLAIN BOTH ENDS,SCHEDULE:80S,LENGTH: 80 MM ,SIZE:0.75 IN,REFERENCE NUMBER:PN33767Z005140080			EA	60								

456	3741510093	NPL,BRL,TP304L,PBE,80S,100MM,0.5IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.19 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A312 GR.TP304L ,MANUFATURING PROCESS:SEAMLESS ,END PREPARATION:PLAIN BOTH ENDS,SERVICE:CRYO,SCHEDULE:80S ,LENGTH:100 MM,SIZE:0.5 IN,REFERENCE NUMBER:PN33767Z404140100			EA	36							
457	3741510043	NPL,BRL,TP304L,TBE,80S,80MM,0.5IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.19 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A312 GR.TP304L ,MANUFATURING PROCESS:SEAMLESS ,END PREPARATION:THREADED BOTH ENDS,SERVICE:CRYO,SCHEDULE:80S ,LENGTH:80 MM,SIZE:0.5 IN,REFERENCE NUMBER:PN337E7Z404140080			EA	5							

458	3741510083	NPL,BRL,TP304L,TOE,80S,100 MM,0.5IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.19 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A312 GR.TP304L ,MANUFATURING PROCESS:SEAMLESS ,END PREPARATION:THREADED ONE END,SCHEDULE:80S,LENGTH:100 MM ,SIZE:0.5 IN,REFERENCE NUMBER:PN337G7Z004140100			EA	14							
459	3741510103	NPL,BRL,TP304L,TOE,80S,100 MM,0.75IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.19 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A312 GR.TP304L ,MANUFATURING PROCESS:SEAMLESS ,END PREPARATION:THREADED ONE END,SCHEDULE:80S,LENGTH:100 MM ,SIZE:0.75 IN,REFERENCE NUMBER:PN337G7Z005140100			EA	60							

460	3741510013	NPL,BRL,TP304L,TOE,80S,100 MM,0.5IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.19 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A312 GR.TP304L ,MANUFATURING PROCESS:SEAMLESS ,END PREPARATION:THREADED ONE END,SERVICE:CRYO,SCHEDULE: 80S ,LENGTH:100 MM,SIZE:0.5 IN,REFERENCE NUMBER:PN337G7Z404140100			EA	35							

461	3741520023	NPL,BRL,TP316,PBE,80S,100MM,0.75IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.19,MATERIAL:STAINLESS STEEL 316 ,MATERIAL STANDARD:ASTM A312 GR.TP316 ,MANUFACTRING PROCESS:SEAMLESS ,END PREPARATION:PLAIN BOTH ENDS,SCHEDULE:80S,LENGTH: 100 MM ,SIZE:0.75 IN,REFERENCE NUMBER:PN33867Z005140100			EA	28							
462	3741520013	NPL,BRL,TP316,TOE,80S,100MM,0.5IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.19 ,MATERIAL:STAINLESS STEEL 316 ,MATERIAL STANDARD:ASTM A312 GR.TP316 ,MANUFACTRING PROCESS:SEAMLESS ,END PREPARATION:THREADED ONE END,SCHEDULE:80S,LENGTH:100 MM ,SIZE:0.5 IN,REFERENCE NUMBER:PN338G7Z004140100			EA	54							

463	3741520033	NPL,BRL,TP316,TOE,80S,100MM,0.75IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.19 ,MATERIAL:STAINLESS STEEL 316 ,MATERIAL STANDARD:ASTM A312 GR.TP316,MANUFACTRING PROCESS:SEAMLESS ,END PREPARATION:THREADED ONE END,SCHEDULE:80S,LENGTH:100 MM ,SIZE:0.75 IN,REFERENCE NUMBER:PN338G7Z005140100			EA	55							
464	3741530033	NPL,BRL,TP316L,PBE,40S,80MM,0.5IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.19 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A312 GR.TP316L ,MANUFATURING PROCESS:SEAMLESS ,END PREPARATION:PLAIN BOTH ENDS,SCHEDULE:40S,LENGTH:80 MM ,SIZE:0.5 IN,REFERENCE NUMBER:PN34067Z004130080			EA	10							

465	3741530013	NPL,BRL,TP316L,PBE,40S,100MM,0.5IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.19 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A312 GR.TP316L ,MANUFATURING PROCESS:SEAMLESS ,END PREPARATION:PLAIN BOTH ENDS,SCHEDULE:40S,LENGTH: 100 MM ,SIZE:0.5 IN,REFERENCE NUMBER:PN34067Z004130100			EA	26								
466	3741530063	NPL,BRL,TP316L,PBE,80S,100MM,0.5IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.19 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A312 GR.TP316L ,MANUFATURING PROCESS:SEAMLESS ,END PREPARATION:PLAIN BOTH ENDS,SCHEDULE:80S,LENGTH: 100 MM ,SIZE:0.5 IN,REFERENCE NUMBER:PN34067Z004140100			EA	58								

467	3741530093	NPL,BRL,TP316L,PBE,40S,100MM,0.75IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.19 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A312 GR.TP316L ,MANUFATURING PROCESS:SEAMLESS ,END PREPARATION:PLAIN BOTH ENDS,SCHEDULE:40S,LENGTH: 100 MM ,SIZE:0.75 IN,REFERENCE NUMBER:PN34067Z005130100			EA	38								
468	3741530083	NPL,BRL,TP316L,PBE,80S,80MM,0.75IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.19 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A312 GR.TP316L ,MANUFATURING PROCESS:SEAMLESS ,END PREPARATION:PLAIN BOTH ENDS,SCHEDULE:80S,LENGTH: 80 MM ,SIZE:0.75 IN,REFERENCE NUMBER:PN34067Z005140080			EA	58								

469	3741530073	NPL,BRL,TP316L,TOE,40S,100 MM,0.5IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.19 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A312 GR.TP316L ,MANUFATURING PROCESS:SEAMLESS ,END PREPARATION:THREADED ONE END,SCHEDULE:40S,LENGTH:100 MM ,SIZE:0.5 IN,REFERENCE NUMBER:PN340G7Z004130100			EA	50							
470	3741530053	NPL,BRL,TP316L,TOE,80S,100 MM,0.5IN Long Text : NIPPLE,PIPE,TYPE:BARREL,DESIGN STANDARD:ASME B 36.19 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A312 GR.TP316L ,MANUFATURING PROCESS:SEAMLESS ,END PREPARATION:THREADED ONE END,SCHEDULE:80S,LENGTH:100 MM ,SIZE:0.5 IN,REFERENCE NUMBER:PN340G7Z004140100			EA	50							

471	3741010033	NPL,BRL,IS1239-BLK,PBE,HVY,100MM,0.5IN Long Text : NIPPLE, PIPE,TYPE:BARREL,DESIGN STANDARD:IS 1239-I ,MATERIAL:MILD STEEL,MATERIAL STANDARD:IS 1239 (BLACK) ,MANUFACTURING PROCESS:CWELDED ,END PREPARATION:PLAIN BOTH ENDS,SCHEDULE:HEAVY,LENGTH:100 MM ,SIZE:0.5 IN,REFERENCE NUMBER:PN6D461Z004230100			EA	6							

472	3741010113	NPL,BRL,IS1239-BLK,PBE,HVY,100MM,0.75IN Long Text : NIPPLE, PIPE,TYPE:BARREL,DESIGN STANDARD:IS 1239-I ,MATERIAL:MILD STEEL,MATERIAL STANDARD:IS 1239 (BLACK) ,MANUFACTURING PROCESS:CWELDED ,END PREPARATION:PLAIN BOTH ENDS,SCHEDULE:HEAVY,LENGTH:100 MM ,SIZE:0.75 IN,REFERENCE NUMBER:PN6D461Z005230100			EA	6							

473	3741010163	NPL,BRL,IS1239-BLK,PBE,HVY,80MM,1IN Long Text : NIPPLE, PIPE,TYPE:BARREL,DESIGN STANDARD:IS 1239-I ,MATERIAL:MILD STEEL,MATERIAL STANDARD:IS 1239 (BLACK) ,MANUFACTURING PROCESS:CWELDED ,END PREPARATION:PLAIN BOTH ENDS,SCHEDULE:HEAVY,LENGTH:80 MM ,SIZE:1 IN,REFERENCE NUMBER:PN6D461Z006230080			EA	6							
474	3727360043	ELB,WP22,45,1.5D,BW,IBR,XXS,3IN Long Text : ELBOW, PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:ALLOY STEEL ,MATERIAL STANDARD:ASTM A234 GR.WP22-CL.1,DEGREE:45 ,RADIUS:1.5D LONGRADIUS,END CONNECTION:BUTT WELD ,CERTIFICATION:IBR,SCHEDULE:XXS,SIZE:3 IN ,REFERENCE NUMBER:WBG624Z111120ZZZZ			EA	5							

475	3727170213	ELB,WPB,45,1.5D,BW,IBR,XXS,4IN Long Text : ELBOW,PIPE,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A234 GR.WPB MANUFACTURING PROCESS:SEAMLESS/WLDED,DEGREE:45 ,RADIUS:1.5D LONG RADIUS,END CONNECTION:BUTT WELD ,CERTIFICATION:IBR,SCHEDULE :XXS,SIZE:4 IN ,REFERENCE NUMBER:WBG684Z111320ZZZZ			EA	5								
476	3765170023	TEE,EQ,A105,THD,0.5IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END CONNECTION:THREADED,PRESURE RATING:CLASS 3000,SIZE:0.5 IN			EA	30							

477	3765170033	TEE,EQ,A105,THD,0.5IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END CONNECTION:THREADED,PRESURE RATING:CLASS 6000,SIZE:0.5 IN			EA	12								
478	3766170063	TEE,EQ,A105,SW,0.5IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 MANUFACTURING PROCESS:SEAMLES,END CONNECTION:SOCKET WELD ,PRESSURE RATING:CLASS 3000,SIZE:0.5 IN			EA	110								
479	3766170103	TEE,EQ,A105,SW,0.75IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END CONNECTION:SOCKET WELD,PESSURE RATING:CLASS 3000 ,SIZE:0.75 IN			EA	79								

480	3766170143	TEE,EQ,A105,SW,1IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END CONNECTION:SOCKET WELD,PESSURE RATING:CLASS 3000 ,SIZE:1 IN			EA	84							
481	3766170173	TEE,EQ,A105,SW,1.5IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,MANUFACTURING PROCESS:SEAMLES,END CONNECTION:SOCKET WELD ,PRESSURE RATING:CLASS 3000,SIZE:1.5 IN			EA	71							
482	3766170193	TEE,EQ,A105,SW,IBR,1.5IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END CONNECTION:SOCKET WELD,CRTIFICATION:IBR ,PRESSURE RATING:CLASS 3000,SIZE:1.5 IN			EA	76							

483	3766170203	TEE,EQ,A105,SW,NACE,1.5IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END CONNECTION:SOCKET WELD,CRTIFICATION:NACE ,PRESSURE RATING:CLASS 3000,SIZE:1.5 IN			EA	11							
484	3766170323	TEE,EQ,SW,CS,A105,3000,1 1/2IN Long Text : 'NOMINAL PIPE SIZE: 1 1/2 IN PRESSURE RATING: 3000 LBS			EA	5							
485	3766170083	TEE,EQ,A105,SW,0.75IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END CONNECTION:SOCKET WELD,PESSURE RATING:CLASS 6000 ,SIZE:0.75 IN			EA	87							

486	3766170223	TEE,EQ,A105,SW,1IN Long Text : TEE,PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105, END CONNECTION:SOCKET WELD,PRSSURE RATING:CLASS 6000, SIZE:1 IN			EA	113								
487	3766170113	TEE,EQ,A105,SW,IBR,0.75IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END CONNECTION:SOCKET WELD,CRTIFICATION:IBR ,PRESSURE RATING:CLASS 6000,SIZE:0.75 IN			EA	80								
488	3766170093	TEE,EQ,A105,SW,NACE,0.75IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END CONNECTION:SOCKET WELD,CRTIFICATION:NACE ,PRESSURE RATING:CLASS 6000,SIZE:0.75 IN			EA	5								

489	3766170043	TEE,EQ,A105,SW,H2,0.5IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END CONNECTION:SOCKET WELD,SRVICE:HYDROGEN ,PRESSURE RATING:CLASS 6000,SIZE:0.5 IN			EA	5							
490	3766170123	TEE,EQ,A105,SW,H2,0.75IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END CONNECTION:SOCKET WELD,SRVICE:HYDROGEN ,PRESSURE RATING:CLASS 6000,SIZE:0.75 IN			EA	60							
491	3766170013	TEE,EQ,A105,SW,0.5IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,END CONNECTION:SOCKET WELD,PESSURE RATING:CLASS 9000 ,SIZE:0.5 IN			EA	26							

492	3765170043	TEE,EQ,A105,THD,0.75IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,COATING:GALVANIZED,END CONNETION:THREADED ,PRESSURE RATING:CLASS 3000,SIZE:0.75 IN			EA	100								
493	3766170033	TEE,EQ,A105,SW,0.5IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,COATING:GALVANIZED,END CONNETION:SOCKET WELD ,PRESSURE RATING:CLASS 3000,SIZE:0.5 IN			EA	100								
494	3766330033	TEE,EQ,F11,SW,1IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A182 GR.F11 CL.2 ,END CONNECTION:SOKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:1 IN			EA	24								

495	3766330023	TEE,EQ,F11,SW,0.75IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A182 GR.F11 CL.2 ,END CONNECTION:SOKET WELD,PRESSURE RATING:CLASS 6000 ,SIZE:0.75 IN			EA	17							
496	3765500013	TEE,EQ,F304,THD,0.5IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,END CONNECTIO:THREADED ,PRESSURE RATING:CLASS 3000,SIZE:0.5 IN			EA	16							

497	3766500023	TEE,EQ,F304,SW,0.5IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,END CONNECTIN:SOCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:0.5 IN			EA	35							
498	3766500113	TEE,EQ,ASTM,SW,STEAM,IBR,3000,1IN Long Text : "TEE,PIPE,TYPE:EQ ,DESIGN STANDARD:B16.11 ,MATERIAL:A182 GR F304 ,MATERIAL STANDARD:ASTM ,END CONNECTION:SW ,SERVICE:STEAM ,CERTIFICATION:IBR ,PRESSURE RATING:3000 ,SCHEDULE:3000 ,SIZE:1 IN"			NOS	35							

499	3766500073	TEE,EQ,F304,SW,1IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,END CONNECTIN:SOCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:1 IN			EA	24							
500	3766500093	TEE,EQ,F304,SW,1.5IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,END CONNECTIN:SOCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:1.5 IN			EA	29							

501	3766500043	TEE,EQ,F304,SW,CRY,0.75IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,END CONNECTIN:SOCKET WELD,SERVICE:CRYO ,PRESSURE RATING:CLASS 3000,SIZE:0.75 IN			EA	30							
502	3766500123	T.EQUAL,B-16.11 Long Text : T.EQUAL,B-16.11,ASTM A 182 GR.F304,SW,3000,CRYO,1.0 INCH			NOS	24							
503	3766500083	TEE,EQ,F304,SW,CRY,1.5IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,END CONNECTIN:SOCKET WELD,SERVICE:CRYO ,PRESSURE RATING:CLASS 3000,SIZE:1.5 IN			EA	28							

504	3766500053	TEE,EQ,F304,SW,H2,1IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304 ,END CONNECTIN:SOCKET WELD,SERVICE:HYDROGEN ,PRESSURE RATING:CLASS 3000,SIZE:1 IN			EA	26							
505	3766520083	TEE,EQ,F304L,SW,1IN Long Text : TEE,PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11, MATERIAL:STAINLESS STEEL 304L, MATERIAL STANDARD:ASTM A182 GR.F304L, END CONNECTON:SOCKET WELD,PRESSURE RATING:CLASS 3000, SIZE:1 IN			EA	30							

506	3766520063	TEE,EQ,F304L,SW,1.5IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,MANUFACTURNG PROCESS:SEAMLESS,END CONNECTION:SOCKET WELD ,PRESSURE RATING:CLASS 3000,SIZE:1.5 IN			EA	25							
507	3766520053	TEE,EQ,F304L,SW,CRY,1IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,END CONNECION:SOCKET WELD,SERVICE:CRYO ,PRESSURE RATING:CLASS 3000,SIZE:1 IN			EA	80							

508	3766520073	TEE,EQ,F304L,SW,CRY,1.5IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,END CONNECION:SOCKET WELD,SERVICE:CRYO ,PRESSURE RATING:CLASS 3000,SIZE:1.5 IN			EA	72							
509	3766570043	TEE,EQ,F316L,SW,1IN Long Text : TEE,PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11, MATERIAL:STAINLESS STEEL 316L, MATERIAL STANDARD:ASTM A182 GR.F316L, END CONNECTON:SOCKET WELD,PRESSURE RATING:CLASS 3000, SIZE:1 IN			EA	73							

510	3766570033	TEE,EQ,F316L,SW,CRY,1IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A182 GR.F316L ,END CONNECION:SOCKET WELD,SERVICE:CRYO ,PRESSURE RATING:CLASS 3000,SIZE:1 IN			EA	76							
511	3766620013	TEE,EQ,F347H,SW,0.5IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 347 HIGH TEMPERATURE ,MATERIAL STANDARD:ASTM A182 GR.F47H ,END CONNECTION:SOCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:0.5 IN			EA	22							

512	3766200033	TEE,EQ,LF2,SW,LT,1IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL LOW TEMPERATURE ,MATERIAL STANDARD:ASTM A350 GR.LF2,END CNNECTION:SOCKET WELD ,SERVICE:LOW TEMP,PRESSURE RATING:CLASS 3000,SIZE:1 IN			EA	72								
513	3766200043	TEE,EQ,LF2,SW,LT,1.5IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL LOW TEMPERATURE ,MATERIAL STANDARD:ASTM A350 GR.LF2,END CNNECTION:SOCKET WELD ,SERVICE:LOW TEMP,PRESSURE RATING:CLASS 3000,SIZE:1.5 IN			EA	33								

514	3766200023	TEE,EQ,LF2,SW,LT,0.75IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:CARBON STEEL LOW TEMPERATURE ,MATERIAL STANDARD:ASTM A350 GR.LF2,END CNNECTION:SOCKET WELD ,SERVICE:LOW TEMP,PRESSURE RATING:CLASS 6000,SIZE:0.75 IN			EA	73								
515	3767330013	TEE,EQ,WP11,BW,160,0.75IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A234 GR.WP11 CL.1 ,END CONNECTION:BUT WELD,SCHEDULE:160,SIZE:0.75 IN			EA	74								

516	3767330023	TEE,EQ,WP11,BW,160,1.5IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A234 GR.WP11 CL.1 ,END CONNECTION:BUT WELD,SCHEDULE:160,SIZE:1.5 IN			EA	27								
517	3767330103	T.EQUAL,B-16.9 Long Text : T.EQUAL,B-16.9,ASTM A 234 GR.WP11 CL.1,BW,2.0 INCH,S160			NOS	30								
518	3767360013	TEE,EQ,WP22,BW,IBR,XXS,0.5IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A234 GR.WP22 CL.1 ,END CONNECTION:BUT WELD,CERTIFICATION:IBR,SCHEDULE:XXS ,SIZE:0.5 IN			EA	37								

519	3767360043	TEE,EQ,WP22,BW,IBR,XXS,3IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A234 GR.WP22 CL.1 ,END CONNECTION:BUT WELD,CERTIFICATION:IBR,SCHEDULE:XXS ,SIZE:3 IN			EA	23							
520	3767170023	TEE,EQ,WPB,BW,160,0.5IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,MANUFACTURING PROCESS:EAMLESS,END CONNECTION:BUTT WELD ,SCHEDULE:160,SIZE:0.5 IN			EA	63							
521	3767170063	TEE,EQ,WPB,BW,XS,1IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTT WED,SCHEDULE:XS,SIZE:1 IN			EA	79							

522	3767170093	TEE,EQ,WPB,BW,XS,1.5IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTT WED,SCHEDULE:XS,SIZE:1.5 IN			EA	27								
523	3767170153	TEE,EQ,WPB,BW,STD,2IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTT WED,SCHEDULE:STD,SIZE:2 IN			EA	31								
524	3767170103	TEE,EQ,WPB,BW,XS,2IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTT WED,SCHEDULE:XS,SIZE:2 IN			EA	29								

525	3767170203	TEE,EQ,WPB,BW,STD,3IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTT WED,SCHEDULE:STD,SIZE:3 IN			EA	35								
526	3767170243	TEE,EQ,WPB,BW,XS,3IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTT WED,SCHEDULE:XS,SIZE:3 IN			EA	26								
527	3767520083	TEE,EQ,S304L,BW,CRY,40S,4IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A403 GR.WP-S-304L ,END CONECTION:BUTT WELD,SERVICE:CRYO,SCHEDULE:40S,SIZE:4 IN			EA	7								

528	3767500083	TEE,EQ,S304,BW,CRY,10S,4IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-304 ,END CONNETION:BUTT WELD,SERVICE:CRYO,SCHEDULE:10S,SIZE:4 IN			EA	25								
529	3767550013	TEE,EQ,S316,BW,80S,0.75IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316 ,END CONNETION:BUTT WELD,SCHEDULE:80S,SIZE:0.75 IN			EA	28								
530	3767550023	TEE,EQ,S316,BW,80S,1IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316 ,END CONNETION:BUTT WELD,SCHEDULE:80S,SIZE:1 IN			EA	27								

531	3767550033	TEE,EQ,S316,BW,80S,1.5IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316 ,END CONNETION:BUTT WELD,SCHEDULE:80S,SIZE:1.5 IN			EA	29							
532	3767570013	TEE,EQ,S316L,BW,40S,0.5IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316L ,END CONECTION:BUTT WELD,SCHEDULE:40S,SIZE:0.5 IN			EA	30							
533	3767570023	TEE,EQ,S316L,BW,40S,0.75IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316L ,END CONECTION:BUTT WELD,SCHEDULE:40S,SIZE:0.75 IN			EA	28							

534	3767570033	TEE,EQ,S316L,BW,40S,1IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316L ,END CONECTION:BUTT WELD,SCHEDULE:40S,SIZE:1 IN			EA	28								
535	3767570043	TEE,EQ,S316L,BW,40S,1.5IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316L ,END CONECTION:BUTT WELD,SCHEDULE:40S,SIZE:1.5 IN			EA	25								
536	3767570153	T.EQUAL,B-16.9, Long Text : TEQUALB-169ASTMA 403 GRWP316L-SBW20 INCH40S			NOS	46								

537	3767570143	TEE,EQ,S316L,BW,STD,3IN Long Text : TEE,PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.9, MATERIAL:STAINLESS STEEL 316L, MATERIAL STANDARD:ASTM A403 GR.WP-S-316L, END CONNCTION:BUTT WELD,PRESSURE RATING:M,SCHEDULE:STD, SIZE:3 IN			EA	20								
538	3767200143	T.EQUAL,B-16.9 Long Text : T.EQUAL,B-16.9,ASTM A 420 GR.WPL6,BW,LT,2.0 INCH,XS			NOS	33								
539	3767200023	TEE,EQ,WPL6,BW,LT,STD,3IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL LOW TEMPERATURE ,MATERIAL STANDARD:ASTM A420 GR.WPL6,END CNNECTION:BUTT WELD ,SERVICE:LOW TEMP,SCHEDULE:STD,SIZE:3 IN			EA	33								

540	3767170523	TEE,EQ,WPB,BW,40,12IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTION:BUTT WED,SCHEDULE:40,SIZE:12 IN			EA	2								
541	3767570163	TEE,EQ,WP316L-S,BW,10S,4IN Long Text : TEE,PIPE TYPE: EQUAL DESIGN STANDARD : ASME B 16.9 MATERIAL : STAINLESS STEEL 316L MATERIAL STANDARD : ASTM A403 GR.WP316L-S EN CONNECTION : BUTT WELD SCHEDULE : 10S SIZE: 4 IN			NOS	4								
542	3766570023	TEE,EQ,F316L,SW,0.75IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.11 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A182 GR.F316L ,END CONNECION:SOCKET WELD,PRESSURE RATING:CLASS 3000 ,SIZE:0.75 IN			EA	5								

543	3766170363	T.EQUAL,3.0INCH, SW, 3000, Long Text : T.EQUAL, B-16.11, ASTM A 105, SW, 3000, 3.0INCH			EA	5							
544	4107010433	FL,BLD,A105,CL150,RF,2 X 0.5IN Long Text : FLANGE, PIPE,TYPE:BLIND,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS 150,ACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:2 X 0.5 IN ,REFERENCE NUMBER:FBC0127Z009ZZ04ZZ			EA	103							

545	4106010023	FL,SO,A105,CL150,RF,2 X 0.5IN Long Text : FLANGE, PIPE,TYPE:SLIP-ON,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS 15,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:2 X 0.5 IN ,REFERENCE NUMBER:FNC0127Z009ZZ04ZZ			EA	15							
546	4106010033	FL,SO,A105,CL150,RF,3IN Long Text : FLANGE, PIPE,TYPE:SLIP-ON,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS 15,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:3 IN ,REFERENCE NUMBER:FNC0127Z011ZZZZZZ			EA	19							

547	4106010063	FL,SO,A105,CL150,RF,8IN Long Text : FLANGE, PIPE,TYPE:SLIP-ON,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS 15,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:8 IN ,REFERENCE NUMBER:FNC0127Z016ZZZZZZ			EA	6							
548	4106010043	FL,SO,A105,CL150,RF,4IN Long Text : FLANGE, PIPE,TYPE:SLIP-ON,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS 15,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SIZE:4 IN ,REFERENCE NUMBER:FNC0127Z013ZZZZZZ			EA	15							

549	4108210013	FL,SW,A105,CL150,FF,S80,1.5IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105, PRESSURE RATING:CLASS150,FACING FLANGE:FLAT FACE, FLANGE FACING FINISH:125AARH,HUB SCHEDULE:S80,SIZE:1.5 IN			EA	20							
550	4108010153	FL,SW,A105,CL150,RF,80,0.75IN Long Text : FLANGE, PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIALSTANDARD:ASTM A105 ,PRESSURE RATING:CLASS150,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:80,SIZE:0.75 IN ,REFERENCE NUMBER:FSC0127Z00506ZZZZ			EA	28							

551	4108010283	FL,SW,A105,CL150,RF,80,1IN Long Text : FLANGE, PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLAS 150,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:80,SIZE:1 IN ,REFERENCE NUMBER:FSC0127Z00606ZZZZ			EA	38							
552	4108010423	FL,SW,A105,CL150,RF,80,1.5IN Long Text : FLANGE, PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLAS 150,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:80,SIZE:1.5 IN ,REFERENCE NUMBER:FSC0127Z00806ZZZZ			EA	26							

553	4108010203	FL,SW,A105,CL300,RF,160,0.75 IN Long Text : FLANGE, PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B16.5 MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS00,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:160,SIZE:0.75 IN ,REFERENCE NUMBER:FSC0147Z00510ZZZZ			EA	10							
554	4108010323	FL,SW,A105,CL300,RF,XS,1IN Long Text : FLANGE, PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLAS 300,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:XS,SIZE:1 IN ,REFERENCE NUMBER:FSC0147Z00619ZZZZ			EA	30							

555	4108010463	FL,SW,A105,CL300,RF,XS,1.5IN Long Text : FLANGE, PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLAS 300,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:XS,SIZE:1.5 IN ,REFERENCE NUMBER:FSC0147Z00819ZZZZ			EA	20								
556	4108010243	FL,SW,A105,CL300,RF,H2,160,0 .75IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS300,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:HYD ROGEN,HUB SCHEDULE:160 ,SIZE:0.75 IN,REFERENCE NUMBER:FSC0147Z70510ZZZZ			EA	10								

557	4108010353	FL,SW,A105,CL300,RF,H2,XS,1IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS300,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:HYDROGEN,HUB SCHEDULE:XS ,SIZE:1 IN,REFERENCE NUMBER:FSC0147Z70619ZZZZ			EA	20								

558	4108010483	FL,SW,A105,CL300,RF,H2,XS,1.5IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS300,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:HYDROGEN,HUB SCHEDULE:XS ,SIZE:1.5 IN,REFERENCE NUMBER:FSC0147Z70819ZZZZ			EA	15								
559	4108010253	FL,SW,A105,CL600,RF,160,0.75 IN Long Text : FLANGE, PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS00,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:160,SIZE:0.75 IN ,REFERENCE NUMBER:FSC0167Z00510ZZZZ			EA	4								

560	4108010373	FL,SW,A105,CL600,RF,XS,1IN Long Text : FLANGE, PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLAS 600,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:XS,SIZE:1 IN ,REFERENCE NUMBER:FSC0167Z00619ZZZZ			EA	81							
561	4108010503	FL,SW,A105,CL600,RF,XS,1.5IN Long Text : FLANGE, PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLAS 600,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:XS,SIZE:1.5 IN ,REFERENCE NUMBER:FSC0167Z00819ZZZZ			EA	27							

562	4108010133	FLNG,SW,A105,#600,H2,0.5IN, S160 Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS600,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:HYDROGEN,HUB SCHEDULE:160 ,SIZE:0.5 IN,REFERENCE NUMBER:FSC0167Z70410ZZZZ			EA	138								

563	4108010273	FL,SW,A105,CL600,RF,H2,160,0.75IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS600,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:HYDROGEN,HUB SCHEDULE:160 ,SIZE:0.75 IN,REFERENCE NUMBER:FSC0167Z70510ZZZZ			EA	15								

564	4108010523	FL,SW,A105,CL600,RF,H2,160,1.5IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS600,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:HYDROGEN,HUB SCHEDULE:160 ,SIZE:1.5 IN,REFERENCE NUMBER:FSC0167Z70810ZZZZ			EA	10								

565	4108010533	FL,SW,A105,CL600,RF,H2,XS,1.5IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS600,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:HYDROGEN,HUB SCHEDULE:XS ,SIZE:1.5 IN,REFERENCE NUMBER:FSC0167Z70819ZZZZ			EA	10								
566	4123040023	FL,SW,F11,CL300,RF,160,0.75IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A182 GR.F11 CL.2 ,PRESSURE RTING:CLASS 300,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:160,SIZE:0.75 IN ,REFERENCE NUMBER:FSC3747Z00510ZZZZ			EA	5								

567	4138010313	FL,SW,F304,CL150,RF,40S,1.5IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSUE RATING:CLASS 150 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,HUB SCHEDULE:40S,SIZE:1.5 IN ,REFERENCE NUMBER:FSC4127Z00813ZZZZ			EA	15								
568	4138010223	FL,SW,F304,CL300,RF,40S,1IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSUE RATING:CLASS 300 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,HUB SCHEDULE:40S,SIZE:1 IN,REFERENCE NUMBER:FSC4147Z00613ZZZZ			EA	5								

569	4138010323	FL,SW,F304,CL300,RF,40S,1.5IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSUE RATING:CLASS 300 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,HUB SCHEDULE:40S,SIZE:1.5 IN ,REFERENCE NUMBER:FSC4147Z00813ZZZZ			EA	10								
570	4138010233	FL,SW,F304,CL300,RF,CRY,40S,1IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 MATERIAL STANDARD:ASTM A182 GR.F304,PRESSUE RATING:CLASS 300 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,SERVICE:CRYO,HUB SCHEDULE:40S,SIZE:1 IN ,REFERENCE NUMBER:FSC4147Z40613ZZZZ			EA	5								

571	4138010333	FL,SW,F304,CL300,RF,CRY,40S, 1.5IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSUE RATING:CLASS 300 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,SERVICE:CRYO,HUB SCHEDULE:40S,SIZE:1.5 IN ,REFERENCE NUMBER:FSC4147Z40813ZZZZ			EA	5								

572	4138010043	FL,SW,F304,CL600,RF,CRY,80S, 0.5IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSUE RATING:CLASS 600 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,SERVICE:CRYO,HUB SCHEDULE:80S,SIZE:0.5 IN ,REFERENCE NUMBER:FSC4167Z40414ZZZZ			EA	31								

573	4138010143	FL,SW,F304,CL600,RF,CRY,80S, 0.75IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSUE RATING:CLASS 600 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,SERVICE:CRYO,HUB SCHEDULE:80S,SIZE:0.75 IN ,REFERENCE NUMBER:FSC4167Z40514ZZZZ			EA	80								

574	4138010243	FL,SW,F304,CL600,RF,CRY,40S, 1IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSUE RATING:CLASS 600 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,SERVICE:CRYO,HUB SCHEDULE:40S,SIZE:1 IN ,REFERENCE NUMBER:FSC4167Z40613ZZZZ			EA	55								

575	4138010153	FL,SW,F304,CL600,RF,H2,80S,0.75IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSUE RATING:CLASS 600 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,SERVICE:HYDROGEN,HUB SCHEDULE:80S,SIZE:0.75 IN ,REFERENCE NUMBER:FSC4167Z70514ZZZZ			EA	15								

576	4138010253	FL,SW,F304,CL600,RF,H2,40S,1 IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSUE RATING:CLASS 600 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,SERVICE:HYDROGEN,HUB SCHEDULE:40S,SIZE:1 IN ,REFERENCE NUMBER:FSC4167Z70613ZZZZ			EA	15								
577	4138010163	FL,SW,F304L,CL150,RF,80S,0.7 5IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,PRESURE RATING:CLASS 150,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:80S,SIZE:0.75 IN ,REFERENCE NUMBER:FSC4327Z00514ZZZZ			EA	10								

578	4138010173	FL,SW,F304L,CL150,RF,CRY,80S ,0.75IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,PRESURE RATING:CLASS 150,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:CRY O,HUB SCHEDULE:80S ,SIZE:0.75 IN,REFERENCE NUMBER:FSC4327Z40514ZZZZ			EA	5								

579	4138010413	FL,SW,F304L,CL150,RF,CRY,80S ,1.5 X 0.5IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,PRESURE RATING:CLASS 150,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:CRY O,HUB SCHEDULE:80S ,SIZE:1.5 X 0.5IN,REFERENCE NUMBER:FSC4327Z408ZZ0414			EA	12								

580	4138010193	FL,SW,F304L,CL300,RF,CRY,80S ,0.75IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,PRESURE RATING:CLASS 300,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:CRY O,HUB SCHEDULE:80S ,SIZE:0.75 IN,REFERENCE NUMBER:FSC4347Z40514ZZZZ			EA	2								

581	4138010273	FL,SW,F304L,CL300,RF,CRY,40S ,1IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,PRESURE RATING:CLASS 300,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:CRY O,HUB SCHEDULE:40S ,SIZE:1 IN,REFERENCE NUMBER:FSC4347Z40613ZZZZ			EA	5								

582	4138010203	FL,SW,F304L,CL600,RF,CRY,80S ,0.75IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,PRESURE RATING:CLASS 600,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:CRY O,HUB SCHEDULE:80S ,SIZE:0.75 IN,REFERENCE NUMBER:FSC4367Z40514ZZZZ			EA	25								
583	4138070043	FL,SW,F316L,CL600,RF,80S,0.7 5IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A182 GR.F316L ,PRESURE RATING:CLASS 600,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:80S,SIZE:0.75 IN ,REFERENCE NUMBER:FSC4667Z00514ZZZZ			EA	35								

584	4138070063	FL,SW,F316L,CL300,RF,40S,1IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A182 GR.F316L ,PRESURE RATING:CLASS 300,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:40S,SIZE:1 IN ,REFERENCE NUMBER:FSC4647Z00613ZZZZ			EA	8								
585	4138070083	FL,SW,F316L,CL600,RF,40S,1.5IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A182 GR.F316L ,PRESURE RATING:CLASS 600,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:40S,SIZE:1.5 IN ,REFERENCE NUMBER:FSC4667Z00813ZZZZ			EA	25								

586	4108030093	FL,SW,LF2,CL300,RF,LT,XS,1.5IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2 ,PRESSURE RATIN:CLASS 300,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:LOW TEMPERATURE ,HUB SCHEDULE:XS,SIZE:1.5 IN,REFERENCE NUMBER:FSC5547Z50819ZZZZ			EA	10								
587	4108030063	FL,SW,LF2,CL600,RF,LT,XS,1IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2 ,PRESSURE RATIN:CLASS 600,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:LOW TEMPERATURE ,HUB SCHEDULE:XS,SIZE:1 IN,REFERENCE NUMBER:FSC5567Z50619ZZZZ			EA	35								

588	4110010123	FL,THD,A105,CL300,RF,H2,2 X 0.75IN Long Text : FLANGE, PIPE,TYPE:THREADED,DESIGN STANDARD:ASME B 16.5 MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 PRESSURE RATING:CLASS 300FACING FLANGE:RAISED FACE FLANGE FACING FINISH:125AARH,SERVICE:HYDROGEN,SIZE:2 X 0.75 IN REFERENCE NUMBER:FTC0147Z709ZZ05ZZ			EA	15							
589	4105010083	FL,WN,A105,CL150,RF,160,0.75IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS50,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:160,SIZE:0.75 IN ,REFERENCE NUMBER:FWC0127Z00510ZZZZ			EA	15							

590	4105010153	FL,WN,A105,CL150,RF,160,1IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS50,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:160,SIZE:1 IN ,REFERENCE NUMBER:FWC0127Z00610ZZZZ			EA	12							
591	4105010163	FL,WN,A105,CL150,RF,XS,1IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS50,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:XS,SIZE:1 IN ,REFERENCE NUMBER:FWC0127Z00619ZZZZ			EA	30							

592	4105010233	FL,WN,A105,CL150,RF,XS,1.5IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS50,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:XS,SIZE:1.5 IN ,REFERENCE NUMBER:FWC0127Z00819ZZZZ			EA	18							
593	4105010323	FL,WN,A105,CL150,RF,XS,1.5 X 0.5IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 PRESSURE RATING:CLASS 15,FACING FLANGE:RAISED FACE FLANGE FACING FINISH:125AARH,HUB SCHEDULE:XS,SIZE:1.5 X 0.5 IN REFERENCE NUMBER:FWC0127Z008ZZ0419			EA	5							

594	4105010343	FL,WN,A105,CL150,RF,XS,2IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS50,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:XS,SIZE:2 IN ,REFERENCE NUMBER:FWC0127Z00919ZZZZ			EA	53							
595	4105010643	FL,WN,A105,CL150,RF,STD,2.5IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS50,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:STD,SIZE:2.5 IN ,REFERENCE NUMBER:FWC0127Z01018ZZZZ			EA	31							

596	4105010653	FL,WN,A105,CL150,RF,STD,3IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS50,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:STD,SIZE:3 IN ,REFERENCE NUMBER:FWC0127Z01118ZZZZ			EA	50							
597	4105010793	FL,WN,A105,CL150,RF,STD,4IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS50,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:STD,SIZE:4 IN ,REFERENCE NUMBER:FWC0127Z01318ZZZZ			EA	21							

598	4105010113	FL,WN,A105,CL150,RF,H2,160, 0.75IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS 10,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:HYDROGEN,HUB SCHEDULE:160 ,SIZE:0.75 IN,REFERENCE NUMBER:FWC0127Z70510ZZZZ			EA	5								

599	4105410153	FL,WN,A105,CL150,RTJ,STD,3IN \Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS50,FACING FLANGE:RING TYPE JOINT ,FLANGE FACING FINISH:63AARH,HUB SCHEDULE:STD,SIZE:3 IN ,REFERENCE NUMBER:FWC0129Z01118ZZZZ			EA	10								

600	4105410183	FL,WN,A105,CL150,RTJ,STD,4IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS50,FACING FLANGE:RING TYPE JOINT ,FLANGE FACING FINISH:63AARH,HUB SCHEDULE:STD,SIZE:4 IN ,REFERENCE NUMBER:FWC0129Z01318ZZZZ			EA	12							

601	4105010053	FL,WN,A105,CL300,RF,80,0.5IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS00,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:80,SIZE:0.5 IN ,REFERENCE NUMBER:FWC0147Z00406ZZZZ			EA	10							
602	4105010123	FL,WN,A105,CL300,RF,80,0.75IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS00,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:80,SIZE:0.75 IN ,REFERENCE NUMBER:FWC0147Z00506ZZZZ			EA	15							

603	4105010133	FL,WN,A105,CL300,RF,160,0.75IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS00,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:160,SIZE:0.75 IN ,REFERENCE NUMBER:FWC0147Z00510ZZZZ			EA	17							
604	4105010193	FL,WN,A105,CL300,RF,80,1IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS00,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:80,SIZE:1 IN ,REFERENCE NUMBER:FWC0147Z00606ZZZZ			EA	15							

605	4105010203	FL,WN,A105,CL300,RF,XS,1IN \Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS00,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:XS,SIZE:1 IN ,REFERENCE NUMBER:FWC0147Z00619ZZZZ			EA	10							
606	4105010273	FL,WN,A105,CL300,RF,80,1.5IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS00,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:80,SIZE:1.5 IN ,REFERENCE NUMBER:FWC0147Z00806ZZZZ			EA	15							

607	4105010283	FL,WN,A105,CL300,RF,XS,1.5IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS00,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:XS,SIZE:1.5 IN ,REFERENCE NUMBER:FWC0147Z00819ZZZZ			EA	10							
608	4105010393	FL,WN,A105,CL300,RF,40,2IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS00,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:40,SIZE:2 IN ,REFERENCE NUMBER:FWC0147Z00904ZZZZ			EA	15							

609	4105010413	FL,WN,A105,CL300,RF,XS,2IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS00,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:XS,SIZE:2 IN ,REFERENCE NUMBER:FWC0147Z00919ZZZZ			EA	2							
610	4105010833	FL,WN,A105,CL300,RF,40,4IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS00,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:40,SIZE:4 IN ,REFERENCE NUMBER:FWC0147Z01304ZZZZ			EA	5							

611	4105010843	FL,WN,A105,CL300,RF,STD,4IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS00,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:STD,SIZE:4 IN ,REFERENCE NUMBER:FWC0147Z01318ZZZZ			EA	8							
612	4105010073	FL,WN,A105,CL600,RF,160,0.5IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS00,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:160,SIZE:0.5 IN ,REFERENCE NUMBER:FWC0167Z00410ZZZZ			EA	119							

613	4105010213	FL,WN,A105,CL600,RF,80,1IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS00,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:80,SIZE:1 IN ,REFERENCE NUMBER:FWC0167Z00606ZZZZ			EA	12							
614	4105010223	FL,WN,A105,CL600,RF,XS,1IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS00,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:XS,SIZE:1 IN ,REFERENCE NUMBER:FWC0167Z00619ZZZZ			EA	77							

615	4105010473	FL,WN,A105,CL600,RF,XS,2IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS00,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:XS,SIZE:2 IN ,REFERENCE NUMBER:FWC0167Z00919ZZZZ			EA	53							
616	4105010733	FL,WN,A105,CL600,RF,STD,3IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS00,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:STD,SIZE:3 IN ,REFERENCE NUMBER:FWC0167Z01118ZZZZ			EA	29							

617	4105010913	FL,WN,A105,CL600,RF,XS,4IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS00,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:XS,SIZE:4 IN ,REFERENCE NUMBER:FWC0167Z01319ZZZZ			EA	16							
618	4105010303	FL,WN,A105,CL1500,RF,XS,1.5IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS500,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:XS,SIZE:1.5 IN ,REFERENCE NUMBER:FWC0187Z00819ZZZZ			EA	5							

619	4120040033	FL,WN,F11,CL150,RF,XS,1.5IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A182 GR.F11 CL.2 ,PRESSURE RATNG:CLASS 150,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:XS,SIZE:1.5 IN ,REFERENCE NUMBER:FWC3727Z00819ZZZ Z			EA	5								

620	4120040043	FL,WN,F11,CL150,RF,XS,2IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A182 GR.F11 CL.2 ,PRESSURE RATNG:CLASS 150,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:XS,SIZE:2 IN ,REFERENCE NUMBER:FWC3727Z00919ZZZ Z			EA	5								
621	4120040093	FL,WN,F11,CL150,RF,STD,3IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A182 GR.F11 CL.2 ,PRESSURE RATNG:CLASS 150,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:STD,SIZE:3 IN ,REFERENCE NUMBER:FWC3727Z01118ZZZ Z			EA	5								

622	4120040123	FL,WN,F11,CL150,RF,STD,4IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A182 GR.F11 CL.2 ,PRESSURE RATNG:CLASS 150,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:STD,SIZE:4 IN ,REFERENCE NUMBER:FWC3727Z01318ZZZZ			EA	2							
623	4120040133	FL,WN,F11,CL300,RF,STD,4IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A182 GR.F11 CL.2 ,PRESSURE RATNG:CLASS 300,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:STD,SIZE:4 IN ,REFERENCE NUMBER:FWC3747Z01318ZZZZ			EA	2							

624	4135010033	FL,WN,F304,CL300,RF,80S,0.5IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSURERATING:CLASS 300 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,HUB SCHEDULE:80S,SIZE:0.5 IN ,REFERENCE NUMBER:FWC4147Z00414ZZZZ			EA	15								
625	4135010283	FL,WN,F304,CL300,RF,40S,2IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSURERATING:CLASS 300 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,HUB SCHEDULE:40S,SIZE:2 IN,REFERENCE NUMBER:FWC4147Z00913ZZZZ			EA	15								

626	4135010463	FL,WN,F304,CL300,RF,10S,3IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSURERATING:CLASS 300 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,HUB SCHEDULE:10S,SIZE:3 IN,REFERENCE NUMBER:FWC4147Z01112ZZZZ			EA	2								
627	4135010473	FL,WN,F304,CL300,RF,80S,3IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSURERATING:CLASS 300 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,HUB SCHEDULE:80S,SIZE:3 IN,REFERENCE NUMBER:FWC4147Z01114ZZZZ			EA	12								

628	4135010583	FL,WN,F304,CL300,RF,10S,4IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSURERATING:CLASS 300 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,HUB SCHEDULE:10S,SIZE:4 IN,REFERENCE NUMBER:FWC4147Z01312ZZZZ			EA	2								

629	4135010423	FL,WN,F304,CL300,RF,CRY,80S, 2 X 0.75IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSURERATING:CLASS 300 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,SERVICE:CRYO,HUB SCHEDULE:80S,SIZE:2 X 0.75 IN ,REFERENCE NUMBER:FWC4147Z409ZZ0514			EA	5								

630	4135010483	FL,WN,F304,CL300,RF,CRY,10S,3IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSURERATING:CLASS 300 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,SERVICE:CRYO,HUB SCHEDULE:10S,SIZE:3 IN ,REFERENCE NUMBER:FWC4147Z41112ZZZZ			EA	2								

631	4135010433	FL,WN,F304,CL600,RF,CRY,40S, 2.5IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSURERATING:CLASS 600 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,SERVICE:CRYO,HUB SCHEDULE:40S,SIZE:2.5 IN ,REFERENCE NUMBER:FWC4167Z41013ZZZZ			EA	2								

632	4135010603	FL,WN,F304,CL600,RF,CRY,40S,4IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSURERATING:CLASS 600 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,SERVICE:CRYO,HUB SCHEDULE:40S,SIZE:4 IN ,REFERENCE NUMBER:FWC4167Z41313ZZZZ			EA	2								

633	4135010113	FL,WN,F304L,CL150,RF,80S,0.75IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,PRESSRE RATING:CLASS 150,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:80S,SIZE:0.75 IN ,REFERENCE NUMBER:FWC4327Z00514ZZZZ			EA	10								

634	4135010123	FL,WN,F304L,CL150,RF,CRY,80S,0.75IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,PRESSRE RATING:CLASS 150,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:CRYO,HUB SCHEDULE:80S ,SIZE:0.75 IN,REFERENCE NUMBER:FWC4327Z40514ZZZZ			EA	6								

635	4135010253	FL,WN,F304L,CL150,RF,CRY,40S,1.5 X 0.5IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,PRESSRE RATING:CLASS 150,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:CRYO,HUB SCHEDULE:40S ,SIZE:1.5 X 0.5 IN,REFERENCE NUMBER:FWC4327Z408ZZ0413			EA	5								

636	4135010263	FL,WN,F304L,CL150,RF,CRY,80S,1.5 X 0.5IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,PRESSRE RATING:CLASS 150,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:CRYO,HUB SCHEDULE:80S ,SIZE:1.5 X 0.5 IN,REFERENCE NUMBER:FWC4327Z408ZZ0414			EA	5								

637	4135010333	FL,WN,F304L,CL150,RF,CRY,40S,2IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,PRESSRE RATING:CLASS 150,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:CRYO,HUB SCHEDULE:40S ,SIZE:2 IN,REFERENCE NUMBER:FWC4327Z40913ZZZZ			EA	5								

638	4135010403	FL,WN,F304L,CL150,RF,CRY,80S,2 X 0.5IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,PRESSRE RATING:CLASS 150,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:CRYO,HUB SCHEDULE:80S ,SIZE:2 X 0.5 IN,REFERENCE NUMBER:FWC4327Z409ZZ0414			EA	6								

639	4135010553	FL,WN,F304L,CL300,RF,CRY,40S,3IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,PRESSRE RATING:CLASS 300,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:CRYO,HUB SCHEDULE:40S ,SIZE:3 IN,REFERENCE NUMBER:FWC4347Z41113ZZZZ			EA	2								

640	4135010643	FL,WN,F304L,CL300,RF,CRY,40S,4IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,PRESSRE RATING:CLASS 300,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:CRYO,HUB SCHEDULE:40S ,SIZE:4 IN,REFERENCE NUMBER:FWC4347Z41313ZZZZ			EA	2								

641	4135010073	FL,WN,F304L,CL600,RF,CRY,80S,0.5IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,PRESSRE RATING:CLASS 600,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:CRYO,HUB SCHEDULE:80S ,SIZE:0.5 IN,REFERENCE NUMBER:FWC4367Z40414ZZZZ			EA	60								

642	4135010663	FL,WN,F304L,CL600,RF,CRY,40S,4IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,PRESSRE RATING:CLASS 600,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:CRYO,HUB SCHEDULE:40S ,SIZE:4 IN,REFERENCE NUMBER:FWC4367Z41313ZZZZ			EA	25								
643	4135070283	FL,WN,F316,CL1500,RF,S80,1IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5, MATERIAL:STAINLESS STEEL 316, MATERIAL STANDARD:ASTM A182 GR.F316, PRESSUR RATING:CLASS 1500,FACING FLANGE:RAISED FACE, FLANGE FACING FINISH:125AARH,HUB SCHEDULE:S80,SIZE:1 IN			EA	2								

644	4135470033	FL,WN,F316,CL1500,RTJ,80S,1IN \Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 316 ,MATERIAL STANDARD:ASTM A182 GR.F316 ,PRESSUR RATING:CLASS 1500,FACING FLANGE:RING TYPE JOINT ,FLANGE FACING FINISH:63AARH,HUB SCHEDULE:80S,SIZE:1 IN ,REFERENCE NUMBER:FWC4489Z00614ZZZZ			EA	5								

645	4135470043	FL,WN,F316,CL1500,RTJ,80S,1.5IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 316 ,MATERIAL STANDARD:ASTM A182 GR.F316 ,PRESSUR RATING:CLASS 1500,FACING FLANGE:RING TYPE JOINT ,FLANGE FACING FINISH:63AARH,HUB SCHEDULE:80S,SIZE:1.5 IN ,REFERENCE NUMBER:FWC4489Z00814ZZZZ			EA	5								

646	4135070133	FL,WN,F316L,CL150,RF,40S,1.5 X 0.5IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A182 GR.F316L ,PRESSRE RATING:CLASS 150,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:40S ,SIZE:1.5 X 0.5 IN,REFERENCE NUMBER:FWC4627Z008ZZ041 3			EA	13								
647	4135070393	FLNG.WN,B-16.5 Long Text : FLNG.WN,B-16.5,ASTMA 182 GR.F316L,150,RF/125AARH,0.7 5 INCH,40S			NOS	19							

648	4135070103	FL,WN,F316L,CL150,RF,40S,1.5 IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A182 GR.F316L ,PRESSRE RATING:CLASS 150,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:40S,SIZE:1.5 IN ,REFERENCE NUMBER:FWC4627Z00813ZZZZ			EA	40								
649	4135070013	FLNG.WN, 2.5 INCH, 40S 150, Long Text : FLNG.WN, B-16.5, ASTM A 182 GR.F316L, 150, RF/125AARH, 2.5 INCH, 40S			EA	30								

650	4135070143	FL,WN,F316L,CL150,RF,40S,2IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A182 GR.F316L ,PRESSRE RATING:CLASS 150,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:40S,SIZE:2 IN ,REFERENCE NUMBER:FWC4627Z00913ZZZZ			EA	39								
651	4135070193	FL,WN,F316L,CL150,RF,10S,4IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A182 GR.F316L ,PRESSRE RATING:CLASS 150,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:10S,SIZE:4 IN ,REFERENCE NUMBER:FWC4627Z01312ZZZZ			EA	10								

652	4135070113	FL,WN,F316L,CL300,RF,40S,1.5 IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A182 GR.F316L ,PRESSRE RATING:CLASS 300,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:40S,SIZE:1.5 IN ,REFERENCE NUMBER:FWC4647Z00813ZZZZ			EA	12								
653	4135070343	FL,WN,F316L,CL600,RF,40S,1IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5, MATERIAL:STAINLESS STEEL 316L, MATERIAL STANDARD:ASTM A182 GR.F316L, PRESSRE RATING:CLASS 600,FACING FLANGE:RAISED FACE, FLANGE FACING FINISH:125AARH,HUB SCHEDULE:40S,SIZE:1 IN			EA	50								

654	4138070163	FLNG.SW,1.0 INCH, 40S 150, Long Text : FLNG.SW, B-16.5, ASTMA 182 GR.F316L, 150, RF/125AARH, 1.0 INCH, 40S			EA	10							
655	4135070123	FL,WN,F316L,CL600,RF,40S,1.5 IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A182 GR.F316L ,PRESSRE RATING:CLASS 600,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:40S,SIZE:1.5 IN ,REFERENCE NUMBER:FWC4667Z00813ZZZZ			EA	22							

656	4135070403	FL,WN,F316L,CL600,RF,40S,2IN Long Text : FLANGE,PIPE TYPE: WELD NECK DESIGN STANDARD : ANSI B16.5 MATERIAL : STAINLESS STEEL MATERIAL STANDARD : ASTM A 182 GR.F316L PRESURE RATING : CLASS 600 FACING FLANGE : RAISED FACE FLANGE FACING FINISH: 125AARH HUB SCHEDULE : 40S SIZE: 2 IN			NOS	2							
657	4135070163	FL,WN,F316L,CL600,RF,CRY,40S,2IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A182 GR.F316L ,PRESSRE RATING:CLASS 600,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:CRYO,HUB SCHEDULE:40S ,SIZE:2 IN,REFERENCE NUMBER:FWC4667Z40913ZZZZ			EA	30							

658	4135470053	FL,WN,F316L,CL1500,RTJ,CRY,40S,2IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A182 GR.F316L PRESSRE RATING:CLASS 1500,FACING FLANGE:RING TYPE JOINT ,FLANGE FACING FINISH:63AARH,SERVICE:CRYO, HUB SCHEDULE:40S ,SIZE:2 IN,REFERENCE NUMBER:FWC4689Z40913ZZZZ			EA	10								
659	4105030633	FL,WN,LF2,CL150,RF,LT,S160,0.5IN Long Text : FLANGE,PIPE,TYPE:WELD NECKDESIGN STANDARD:ASME B 16.5 MATERIAL:CARBON STEELMATERIAL STANDARD:ASTM A350 GR.LF2 PRESSURE RATING:CLAS 150FACING FLANGE:RAISED FACE FLANGE FACING FINISH:125AARHSERVICE:LOW TEMPERATURE HUB SCHEDULE:S160SIZE:0.5 IN			EA	10								

660	4105030703	FL,WN,LF2,CL150,RF,LT,XS,1IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2, PRESSURE RATING:LASS 150,FACING FLANGE:RAISED FACE, FLANGE FACING FINISH:125AARH,SERVICE:LOW TEMPERATURE, HUB SCHEDULE:XS,SIZE:1 IN			EA	10							
661	4105030553	FL,WN,LF2,CL150,RF,LT,XS,2IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2, PRESSURE RATING:LASS 150,FACING FLANGE:RAISED FACE, FLANGE FACING FINISH:125AARH,SERVICE:LOW TEMPERATURE, HUB SCHEDULE:XS,SIZE:2 IN			EA	12							

662	4105030503	FL,WN,LF2,CL150,RF,LT,STD,3IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2, PRESSURE RATING:LASS 150,FACING FLANGE:RAISED FACE FLANGE FACING FINISH:125AARH,SERVICE:LOW TEMPERATURE, HUB SCHEDULE:STD,SIZE:3 IN			EA	12							
663	4105030723	FL,WN,LF2,CL150,RF,LT,STD,4IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2 PRESSURE RATING:LASS 150,FACING FLANGE:RAISED FACE, FLANGE FACING FINISH:125AARH,SERVICE:LOW TEMPERATURE, HUB SCHEDULE:STD,SIZE:4 IN			EA	10							

664	4105030583	FL,WN,LF2,CL300,RF,LT,S160,2 X 0.75IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2, PRESSURE RATING:LASS 300,FACING FLANGE:RAISED FACE, FLANGE FACING FINISH:125AARH,SERVICE:LOW TEMPERATURE, HUB SCHEDULE:S160,SIZE:2 X 0.75 IN			EA	10							
665	4135150054	FL,WN,F53,CL300,RF,80S,3IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5, MATERIAL:STAINLESS STEEL,MATERIAL STANDARD:ASTM A182 GR.F53, PRESSURE RATIG:CLASS 300,FACING FLANGE:RAISED FACE, FLANGE FACING FINISH:125AARH,HUB SCHEDULE:80S,SIZE:3 IN			EA	5							

666	4109990033	FL,LJ,A105,CL150,3IN Long Text : FLANGE,PIPE,TYPE:LAP JOINT,DESIGN STANDARD:ASME B 16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105, PRESSURE RATING:CLASS 10,FLANGE FACING FINISH:STOCK FINISH, FLANGE FACING FINISH:MAX1000AARH,SIZE:3 IN			EA	36								
667	4137470033	FLNG.BLIND, 0.5 INCH, 1500 Long Text : FLNG.BLIND, B-16.5, ASTM A 182 GR.F316, 1500, RTJ/63AARH, 0.5 INCH			EA	10								
668	4137070153	FLNG.BLIND, 1 INCH, 150 Long Text : FLNG.BLIND, B-16.5, ASTM A 182 GR.F316L, 150, RF/125AARH, 1.0 INCH			EA	13								
669	3727570133	ELBOW,90 DEG,1 1/4",SCH # 40 S,BW,1.5 D Long Text : ELBOW,90 DEG,SCH # 40 S, B 16.9,M.O.C:-ASTM A 403 GR WP SS 316L-S,BW,1.5 D, SIZE:-1 1/4"			EA	6								

670	3766170373	T.EQUAL, 1.5 INCH, SW, 6000, Long Text : T.EQUAL, B-16.11, ASTM A 105, SW, 6000, 1.5 INCH			EA	3							
671	3766170383	T.EQUAL, 2 INCH, SW, 6000, Long Text : T.EQUAL, B-16.11, ASTM A 105, SW, 6000, 2.0 INCH			EA	3							
672	4109990133	FL,LJ,A105,CL150,2IN Long Text : FLANGE,PIPE,TYPE:LAP JOINT,DESIGN STANDARD:ASME B 16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105, PRESSURE RATING:CLASS 10,FLANGE FACING FINISH:STOCK FINISH, FLANGE FACING FINISH:MAX1000AARH,SIZE:2 IN			EA	20							

673	4109210013	FL,LJ,A105,150,FF,3IN Long Text : FLANGE,PIPE,TYPE:LAP JOINT,DESIGN STANDARD:B16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:A105, PRESSURE RATING:150,FACING FLANGE:F, FLANGE FACING FINISH:STOCK FINISH,SIZE:3 IN			EA	10								
674	4109210033	FL,LJ,A105,CL150,FF,2IN Long Text : FLANGE,PIPE,TYPE:LAP JOINT,DESIGN STANDARD:ASME B 16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105, PRESSURE RATING:CLASS 10,FACING FLANGE:FLAT FACE, FLANGE FACING FINISH:STOCK FINISH,SIZE:2 IN			EA	10								

675	3763520183	STUBEND,B16.9,S316L,BW,M,3 IN Long Text : STUB END,PIPE,DESIGN STANDARD:ASME B 16.9, MATERIAL:STAINLESS STEEL 316L, MATERIAL STANDARD:ASTM A403 GR.WP-S-316L, END CONNECTIONBUTT WELD,SCHEDULE/WALL THICKNESS:M, SIZE:3 IN			EA	40								
676	3763520173	STUBEND,B16.9,S316L,BW,M,2 IN Long Text : STUB END,PIPE,DESIGN STANDARD:ASME B 16.9, MATERIAL:STAINLESS STEEL 316L, MATERIAL STANDARD:ASTM A403 GR.WP-S-316L, END CONNECTIONBUTT WELD,SCHEDULE/WALL THICKNESS:M, SIZE:2 IN			EA	20								

677	3763570063	STUBEND,B16.9,WX316L,WX,BW,M,3IN Long Text : STUB END,PIPE,DESIGN STANDARD:ASME B 16.9, MATERIAL:STAINLESS STEEL 316L, MATERIAL STANDARD:ASTM A403 GR.WP-WX-316L, METHOD OF MANFACTURING:WELDED,RADIOGRAPHY, END CONNECTION:BUTT WELD,SCHEDULE/WALL THICKNESS:M, SIZE:3 IN			EA	10								
678	3763570053	STUBEND,B16.9,WX316L,BW,M,2IN Long Text : STUB END,PIPE,DESIGN STANDARD:ASME B 16.9, MATERIAL:STAINLESS STEEL 316L, MATERIAL STANDARD:ASTM A403 GR.WP-WX-316L, END CONNECTIO:BUTT WELD,SCHEDULE/WALL THICKNESS:M, SIZE:2 IN			EA	10								

679	4138070093	FL,SW,F316L,CL600,RF,CRY,40S ,1.5IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A182 GR.F316L,PRESURE RATING:CLASS 600,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:CRY O,HUB SCHEDULE:40S ,SIZE:1.5 IN,REFERENCE NUMBER:FSC4667Z40813ZZZZ			EA	20								
680	4108010103	FL,SW,A105,CL600,RF,80,0.5IN Long Text : FLANGE, PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLAS 600,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:80,SIZE:0.5 IN ,REFERENCE NUMBER:FSC0167Z00406ZZZZ			EA	126								

681	4108010393	FL,SW,A105,CL600,RF,H2,160,1 IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS600,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:HYDROGEN,HUB SCHEDULE:160 ,SIZE:1 IN,REFERENCE NUMBER:FSC0167Z70610ZZZZ			EA	25								
682	4123040063	FL,SW,F11,CL600,RF,H2,XS,1IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A182 GR.F11 CL.2 ,PRESSURE RTING:CLASS 600,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:HYDROGEN,HUB SCHEDULE:XS ,SIZE:1 IN,REFERENCE NUMBER:FSC3767Z70619ZZZZ			EA	74								

683	4138010053	FL,SW,F304,CL600,RF,H2,80S,0.5IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A182 GR.F304,PRESSUE RATING:CLASS 600 ,FACING FLANGE:RAISED FACE,FLANGE FACING FINISH:125AARH ,SERVICE:HYDROGEN,HUB SCHEDULE:80S,SIZE:0.5 IN ,REFERENCE NUMBER:FSC4167Z70414ZZZZ			EA	161								
684	4138070103	FL,SW,F316L,CL600,RF,40S,1IN Long Text : FLANGE,PIPE,TYPE:SOCKET WELD,DESIGN STANDARD:ASME B 16.5, MATERIAL:STAINLESS STEEL 316L, MATERIAL STANDARD:ASTM A182 GR.F316L, PRESURE RATING:CLASS 600,FACING FLANGE:RAISED FACE, FLANGE FACING FINISH:125AARH,HUB SCHEDULE:40S,SIZE:1 IN			EA	25								

685	4105010143	FL,WN,A105,CL600,RF,160,0.75IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS00,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:160,SIZE:0.75 IN ,REFERENCE NUMBER:FWC0167Z00510ZZZZ			EA	20							

686	4105010483	FL,WN,A105,CL600,RF,IBR,XS,2 IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS 60,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,CERTIFICATION:IBR,HUB SCHEDULE:XS ,SIZE:2 IN,REFERENCE NUMBER:FWC0167Z10919ZZZZ			EA	20								
687	4120040073	FL,WN,F11,CL600,RF,XS,2IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A182 GR.F11 CL.2 ,PRESSURE RATNG:CLASS 600,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:XS,SIZE:2 IN ,REFERENCE NUMBER:FWC3767Z00919ZZZZ			EA	12								

688	4120040143	FL,WN,F11,CL600,RF,STD,4IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A182 GR.F11 CL.2 ,PRESSURE RATNG:CLASS 600,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:STD,SIZE:4 IN ,REFERENCE NUMBER:FWC3767Z01318ZZZZ			EA	6								

689	4135010363	FL,WN,F304L,CL600,RF,CRY,10S,2IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:STAINLESS STEEL 304L ,MATERIAL STANDARD:ASTM A182 GR.F304L ,PRESSRE RATING:CLASS 600,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:CRYO,HUB SCHEDULE:10S ,SIZE:2 IN,REFERENCE NUMBER:FWC4367Z40912ZZZZ			EA	17								
690	4105030843	FL,WN,LF2,CL600,RF,LT,XS,2IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2, PRESSURE RATING:LASS 600,FACING FLANGE:RAISED FACE, FLANGE FACING FINISH:125AARH,SERVICE:LOW TEMPERATURE, HUB SCHEDULE:XS,SIZE:2 IN			EA	37								

691	4105030813	FL,WN,LF2,CL600,RF,LT,STD,3IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A350 GR.LF2 PRESSURE RATING:CASS 600,FACING FLANGE:RAISED FACE FLANGE FACING FINISH:125AARH,SERVICE:LOW TEMPERATURE, HUB SCHEDULE:STD,SIZE:3 IN			EA	10							
692	4105010493	FL,WN,A105,CL600,RF,H2,160,2IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS 60,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,SERVICE:HYDROGEN,HUB SCHEDULE:160 ,SIZE:2 IN,REFERENCE NUMBER:FWC0167Z70910ZZZZ			EA	16							

693	4105010633	FL,WN,A105,CL600,RF,IBR,160,2 X 0.75IN Long Text : FLANGE,PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS 60,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,CERTIFICATION:IBR ,HUB SCHEDULE:160,SIZE:2 X 0.75 IN ,REFERENCE NUMBER:FWC0167Z109ZZ0510			EA	12								
694	4105013153	FL,WN,A105,CL600,RF,LT,XS,2IN Long Text : FLANGE,PIPE TYPE:WELDNECK DESIGNSTANDARD:ASMEB16.5 MATERIAL:CARBONSTEEL MATERIALSTANDARD:ASTMA105 PRESSURERATING:CLASS600 FACINGFLNGE:RAISEDFACE FLANGEFACINGFINISH:125AARH SERVICE:LOWTEMPERATURE HUBSCHEDULE:XS SIZE:2IN			NOS	14							

695	4120040253	FLNG.WN,B-16.5 Long Text : FLNG.WN,B-16.5,ASTMA 182 GR.F11 CL.2,600,RF/125AARH,8.0 INCH,XS			NOS	19							
696	4105011613	FL,WN,A105,CL300,RF,STD,18IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS00,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:STD,SIZE:18 IN ,REFERENCE NUMBER:FWC0147Z02118ZZZZ			EA	2							

697	4105011763	FL,WN,A105,CL300,RF,STD,24IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS00,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:STD,SIZE:24 IN ,REFERENCE NUMBER:FWC0147Z02418ZZZZ			EA	1							

698	4105011333	FL,WN,A105,CL150,RF,STD,12IN Long Text : FLANGE, PIPE,TYPE:WELD NECK,DESIGN STANDARD:ASME B 16.5 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:CLASS50,FACING FLANGE:RAISED FACE ,FLANGE FACING FINISH:125AARH,HUB SCHEDULE:STD,SIZE:12 IN ,REFERENCE NUMBER:FWC0127Z01818ZZZZ			EA	4							

699	4106010543	FL,SORF,A105,150,RF,AMINE,ASTM,AA,AA,4IN Long Text : "FLANGE,PIPE,TYPE:SORF ,DESIGN STANDARD:ASTM A105 ,MATERIAL:ASTM A105 ,MATERIAL STANDARD:ASTM A105 ,PRESSURE RATING:150 ,FACING FLANGE:RF ,FLANGE FACING FINISH:STK/ MAX1000AARH ,SERVICE:AMINE ,CERTIFICATION:ASTM ,HUB SCHEDULE:AS APPLICABLE ,HUB THICKNESS:AS APPLICABLE ,SIZE:4 IN,FLANGE,SORF,SOCKET,B 16.5,M.O.C:- C.S,ASTM A105,CLASS#150,STK/MAX1000AARH SIZE:-4			EA	9								

700	4136070013	FL,SORF,A182,150,RF,AMINE,ASTM,AA,AA,4IN Long Text : "FLANGE,PIPE,TYPE:SORF ,DESIGN STANDARD:ASTM A 182 ,MATERIAL:SS 316L ,MATERIAL STANDARD:ASTM A 182 ,PRESSURE RATING:150 ,FACING FLANGE:RF ,FLANGE FACING FINISH:STK/MAX 1000AARH ,SERVICE:AMINE ,CERTIFICATION:ASTM ,HUB SCHEDULE:AS APPLICABLE ,HUB THICKNESS:AS APPLICABLE ,SIZE:4 IN,FLANGE,SORF,SOCKET,M.O.C:-ASTM A 182 GR F 316L,CLASS#150 LBS,B 16.5,STK/MAX 1000AARH, SIZE:-4			EA	8								
701	4135070023	FLANGE,WN, SIZE:-1 1/4",CLASS#150 Long Text : FLANGE,WN,M.O.C:-ASTM A 182 GR F 316L,CLASS#150 LBS,B 16.5,RF/125AARH, SIZE:-1 1/4",			EA	4								

702	3751330013	RED,CON,WP11,BW,160/160,0.75 X 0.5IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A234 GR.WP11-CL.1 ,END CONNCTION:BUTT WELD,SCHEDULE:160/160,SIZE:0.75 X 0.5 IN ,REFERENCE NUMBER:WUG564ZZ005100410			EA	129							
703	3751330053	RED,CON,WP11,BW,XS/XS,2 X 1.5IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A234 GR.WP11-CL.1 ,END CONNCTION:BUTT WELD,SCHEDULE:XS/XS,SIZE:2 X 1.5 IN ,REFERENCE NUMBER:WUG564ZZ009190819			EA	60							

704	3751330063	RED,CON,WP11,BW,XXS/160,4 X 2IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A234 GR.WP11-CL.1 ,END CONNCTION:BUTT WELD,SCHEDULE:XXS/160,SIZE :4 X 2 IN ,REFERENCE NUMBER:WUG564ZZ013200910			EA	33							
705	3751170043	RED,CON,WPB,BW,160/160,0.75 X 0.5IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,SCHEDULE:160/160,SIZE :0.75 X 0.5 IN ,REFERENCE NUMBER:WUG684ZZ005100410			EA	82							

706	3751170063	RED,CON,WPB,BW,XS/160,1 X 0.5IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,SCHEDULE:XS/160,SIZE: 1 X 0.5 IN ,REFERENCE NUMBER:WUG684ZZ006190410			EA	84							
707	3751170083	RED,CON,WPB,BW,XS/160,1 X 0.75IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,SCHEDULE:XS/160,SIZE: 1 X 0.75 IN ,REFERENCE NUMBER:WUG684ZZ006190510			EA	84							

708	3751170103	RED,CON,WPB,BW,XS/160,1.5 X 0.5IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,SCHEDULE:XS/160,SIZE: 1.5 X 0.5 IN ,REFERENCE NUMBER:WUG684ZZ008190410			EA	34							
709	3751170123	RED,CON,WPB,BW,XS/XS,1.5 X 1IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB,END CONNECTIO:BUTT WELD,SCHEDULE:XS/XS,SIZE:1.5 X 1 IN ,REFERENCE NUMBER:WUG684ZZ008190619			EA	33							

710	3751170143	RED,CON,WPB,BW,40/160,2 X 0.75IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,SCHEDULE:40/160,SIZE: 2 X 0.75 IN ,REFERENCE NUMBER:WUG684ZZ009040510			EA	84							
711	3751170243	RED,CON,WPB,BW,40/80,2 X 1IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,SCHEDULE:40/80,SIZE:2 X 1 IN ,REFERENCE NUMBER:WUG684ZZ009040606			EA	83							

712	3751170223	RED,CON,WPB,BW,40/XS,2 X 1IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,SCHEDULE:40/XS,SIZE:2 X 1 IN ,REFERENCE NUMBER:WUG684ZZ009040619			EA	34							
713	3751170293	RED,CON,WPB,BW,40/XS,2 X 1.5IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,SCHEDULE:40/XS,SIZE:2 X 1.5 IN ,REFERENCE NUMBER:WUG684ZZ009040819			EA	33							

714	3751170233	RED,CON,WPB,BW,STD/STD,2 X 1IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,SCHEDULE:STD/STD,SIZE :2 X 1 IN ,REFERENCE NUMBER:WUG684ZZ009180618			EA	84							
715	3751170313	RED,CON,WPB,BW,STD/STD,2 X 1.5IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,SCHEDULE:STD/STD,SIZE :2 X 1.5 IN ,REFERENCE NUMBER:WUG684ZZ009180818			EA	34							

716	3751171653	RED,CON,WPB,BW,STD,3X2IN Long Text : REDUCER,PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:B16.9, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB, END CONNECTION:BW,SCEDULE:STD,SIZE:3X2 IN,CT-2			EA	3								
717	3751171693	RED,CON,WPB,BW,STD,4X2IN Long Text : REDUCER,PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:B16.9, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB,END CONNECTION:BW,SCEDULE:STD,SIZE:4X2 IN			EA	3								

718	3751170163	RED,CON,WPB,BW,XS/160,2 X 0.75IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,SCHEDULE:XS/160,SIZE: 2 X 0.75 IN ,REFERENCE NUMBER:WUG684ZZ009190510			EA	84							
719	3751172453	RED,CONC,BW, 3.0 INCH, 160, 4" INCH,S160 Long Text : REDUC.CONC, B-16.9, ASTM A 234 GR.WPB, BW, 3.0 INCH, 160, 4" INCH, S160			EA	3							

720	3751170183	RED,CON,WPB,BW,XS/XS,2 X 1IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,SCHEDULE:XS/XS,SIZE:2 X 1 IN ,REFERENCE NUMBER:WUG684ZZ009190619			EA	83							
721	3751170303	RED,CON,WPB,BW,XS/XS,2 X 1.5IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,SCHEDULE:XS/XS,SIZE:2 X 1.5 IN ,REFERENCE NUMBER:WUG684ZZ009190819			EA	35							

722	3751170343	RED,CON,WPB,BW,STD/STD,3 X 1.5IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,SCHEDULE:STD/STD,SIZE :3 X 1.5 IN ,REFERENCE NUMBER:WUG684ZZ011180818			EA	29							
723	3751170443	RED,CON,WPB,BW,STD/STD,3 X 2IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,SCHEDULE:STD/STD,SIZE :3 X 2 IN ,REFERENCE NUMBER:WUG684ZZ011180918			EA	35							

724	3751170403	RED,CON,WPB,BW,STD/XS,3 X 2IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,SCHEDULE:STD/XS,SIZE: 3 X 2 IN ,REFERENCE NUMBER:WUG684ZZ011180919			EA	35							
725	3751170463	RED,CON,WPB,BW,STD/STD,4 X 1.5IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,SCHEDULE:STD/STD,SIZE :4 X 1.5 IN ,REFERENCE NUMBER:WUG684ZZ013180818			EA	17							

726	3751170523	RED,CON,WPB,BW,STD/STD,4 X 2IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,SCHEDULE:STD/STD,SIZE:4 X 2 IN ,REFERENCE NUMBER:WUG684ZZ013180918			EA	19							
727	3751170483	RED,CON,WPB,BW,STD/XS,4 X 2IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,SCHEDULE:STD/XS,SIZE:4 X 2 IN ,REFERENCE NUMBER:WUG684ZZ013180919			EA	17							

728	3751170613	RED,CON,WPB,BW,STD/STD,4 X 3IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,SCHEDULE:STD/STD,SIZE:4 X 3 IN ,REFERENCE NUMBER:WUG684ZZ013181118			EA	19							
729	3751170503	RED,CON,WPB,BW,XS/XS,4 X 2IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,SCHEDULE:XS/XS,SIZE:4 X 2 IN ,REFERENCE NUMBER:WUG684ZZ013190919			EA	18							

730	3751170563	RED,CON,WPB,BW,XS/STD,4 X 3IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,SCHEDULE:XS/STD,SIZE: 4 X 3 IN ,REFERENCE NUMBER:WUG684ZZ013191118			EA	20							
731	3751170513	RED,CON,WPB,BW,NACE,STD/XS,4 X 2IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,CERTIFICATION:NACE,SCHEDULE:STD/XS ,SIZE:4 X 2 IN,REFERENCE NUMBER:WUG684ZZ213180919			EA	10							

732	3751170033	RED,CON,WPB,BW,H2,160/160 ,0.75 X 0.5IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIG N STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,SERVICE:HYDROGEN,SC HEDULE:160/160 ,SIZE:0.75 X 0.5 IN,REFERENCE NUMBER:WUG684ZZ70510041 0			EA	10							
733	3751170263	RED,CON,WPB,BW,H2,160/160 ,2 X 1.5IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIG N STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,SERVICE:HYDROGEN,SC HEDULE:160/160 ,SIZE:2 X 1.5 IN,REFERENCE NUMBER:WUG684ZZ70910081 0			EA	83							

734	3751170213	RED,CON,WPB,BW,H2,XS/XS,2 X 1IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,SERVICE:HYDROGEN,SCHEDULE:XS/XS ,SIZE:2 X 1 IN,REFERENCE NUMBER:WUG684ZZ709190619			EA	28							
735	3751170283	RED,CON,WPB,BW,H2,XS/XS,2 X 1.5IN \Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,SERVICE:HYDROGEN,SCHEDULE:XS/XS ,SIZE:2 X 1.5 IN,REFERENCE NUMBER:WUG684ZZ709190819			EA	26							

736	3751170353	RED,CON,WPB,BW,H2,STD/XS, 3 X 1.5IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,SERVICE:HYDROGEN,SCHEDULE:STD/XS ,SIZE:3 X 1.5 IN,REFERENCE NUMBER:WUG684ZZ711180819			EA	18							
737	3751170383	RED,CON,WPB,BW,H2,XS/160, 3 X 2IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,SERVICE:HYDROGEN,SCHEDULE:XS/160 ,SIZE:3 X 2 IN,REFERENCE NUMBER:WUG684ZZ711190910			EA	14							

738	3751170393	RED,CON,WPB,BW,H2,XS/XS,3 X 2IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIO:BUTT WELD,SERVICE:HYDROGEN,SCHEDULE:XS/XS ,SIZE:3 X 2 IN,REFERENCE NUMBER:WUG684ZZ711190919			EA	21							
739	3751500013	RED,CON,S304,BW,80/80S,0.75 X 0.5IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-304 ,MAUFACTURING PROCESS:SEAMLESS,END CONNECTION:BUTT WELD ,SCHEDULE:80/80S,SIZE:0.75 X 0.5 IN ,REFERENCE NUMBER:WUG874ZZ005140414			EA	23							

740	3751500053	RED,CON,S304,BW,40/40S,2 X 1IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-304 ,ANUFACTURING PROCESS:SEAMLESS,END CONNECTION:BUTT WELD ,SCHEDULE:40/40S,SIZE:2 X 1 IN ,REFERENCE NUMBER:WUG874ZZ009130613			EA	83							
741	3751500063	RED,CON,S304,BW,40/40S,2 X 1.5IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-304 ,ANUFACTURING PROCESS:SEAMLESS,END CONNECTION:BUTT WELD ,SCHEDULE:40/40S,SIZE:2 X 1.5 IN ,REFERENCE NUMBER:WUG874ZZ009130813			EA	84							

742	3751500123	RED,C0N,S304,BW,10/40S,3 X 2IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-304 ,ANUFACTURING PROCESS:SEAMLESS,END CONNECTION:BUTT WELD ,SCHEDULE:10/40S,SIZE:3 X 2 IN ,REFERENCE NUMBER:WUG874ZZ011120913			EA	82							
743	3751500163	RED,CON,S304,BW,10/40S,4 X 2IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-304 ,ANUFACTURING PROCESS:SEAMLESS,END CONNECTION:BUTT WELD ,SCHEDULE:10/40S,SIZE:4 X 2 IN ,REFERENCE NUMBER:WUG874ZZ013120913			EA	35							

744	3751500193	RED,CON,S304,BW,10/10S,4 X 3IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-304 ,ANUFACTURING PROCESS:SEAMLESS,END CONNECTION:BUTT WELD ,SCHEDULE:10/10S,SIZE:4 X 3 IN ,REFERENCE NUMBER:WUG874ZZ013121112			EA	19							
745	3751500173	RED,CON,S304,BW,10/80S,4 X 3IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-304 ,ANUFACTURING PROCESS:SEAMLESS,END CONNECTION:BUTT WELD ,SCHEDULE:10/80S,SIZE:4 X 3 IN ,REFERENCE NUMBER:WUG874ZZ013121114			EA	19							

746	3751500083	RED,CON,S304,BW,CRY,40/40S ,2.5 X 2IN Long Text : REDUCER,PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-304 ,MNUFACTURING PROCESS:SEAMLESS,END CONNECTION:BUTT WELD ,SERVICE:CRYO,SCHEDULE:40/40S,SIZE:2.5 X 2 IN ,REFERENCE NUMBER:WUG874ZZ410130913			EA	7								
747	3751500093	RED,CON,S304,BW,CRY,10/40S ,3 X 1.5IN Long Text : REDUCER,PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-304 ,MNUFACTURING PROCESS:SEAMLESS,END CONNECTION:BUTT WELD ,SERVICE:CRYO,SCHEDULE:10/40S,SIZE:3 X 1.5 IN ,REFERENCE NUMBER:WUG874ZZ411120813			EA	10								

748	3751500103	RED,C0N,S304,BW,CRY,40/40S, 3 X 2IN Long Text : REDUCER,PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-304 ,MNUFACTURING PROCESS:SEAMLESS,END CONNECTION:BUTT WELD ,SERVICE:CRYO,SCHEDULE:40/40S,SIZE:3 X 2 IN ,REFERENCE NUMBER:WUG874ZZ411130913			EA	11							
749	3751550023	RED,CON,S316,BW,80/80S,0.75 X 0.5IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 MATERIAL:STAINLESS STEEL 316 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316 ,MNUFACTURING PROCESS:SEAMLESS,END CONNECTION:BUTT WELD ,SCHEDULE:80/80S,SIZE:0.75 X 0.5 IN REFERENCE NUMBER:WUG964ZZ005140414			EA	77							

750	3751550033	RED,CON,S316,BW,80/80S,1 X 0.5IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316 ,ANUFACTURING PROCESS:SEAMLESS,END CONNECTION:BUTT WELD ,SCHEDULE:80/80S,SIZE:1 X 0.5 IN ,REFERENCE NUMBER:WUG964ZZ006140414			EA	75							
751	3751550043	RED,CON,S316,BW,80/80S,1 X 0.75IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316 ,ANUFACTURING PROCESS:SEAMLESS,END CONNECTION:BUTT WELD ,SCHEDULE:80/80S,SIZE:1 X 0.75 IN ,REFERENCE NUMBER:WUG964ZZ006140514			EA	80							

752	3751550063	RED,CON,S316,BW,80/80S,1.5 X 0.75IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B16.9 ,MATERIAL:STAINLESS STEEL 316 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316 ,MNUFACTURING PROCESS:SEAMLESS,END CONNECTION:BUTT WELD ,SCHEDULE:80/80S,SIZE:1.5 X 0.75 IN REFERENCE NUMBER:WUG964ZZ008140514			EA	76							
753	3751550083	RED,CON,S316,BW,80/80S,1.5 X 1IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316 ,ANUFACTURING PROCESS:SEAMLESS,END CONNECTION:BUTT WELD ,SCHEDULE:80/80S,SIZE:1.5 X 1 IN ,REFERENCE NUMBER:WUG964ZZ008140614			EA	30							

754	3751550013	RED,CON,S316L,BW,40/40S,0.75 X 0.5IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 MATERIAL:STAINLESS STEEL 316L MATERIAL STANDARD:ASTM A403 GR.WP-S-316L MNUFACTURING PROCESS:SEAMLESS,END CONNECTION:BUTT WELD SCHEDULE:40/40S,SIZE:0.75 X 0.5 IN REFERENCE NUMBER:WUGA34ZZ005130413			EA	75							
755	3751550073	RED,CON,S316L,BW,40/40S,1.5 X 1IN Long Text : REDUCER,PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316L MANUFACTURING PROCESS:SEAMLESS,END CONNECTION:BUTT WELD ,SCHEDULE:40/40S,SIZE:1.5 X 1 IN ,REFERENCE NUMBER:WUGA34ZZ008130613			EA	26							

756	3751550093	RED,CON,S316L,BW,40/40S,2 X 0.75IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B16.9 ,MATERIAL:STAINLESS STEEL316L ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316L ,ANUFACTURING PROCESS:SEAMLESS,END CONNECTION:BUTT WELD ,SCHEDULE:40/40S,SIZE:2 X 0.75 IN ,REFERENCE NUMBER:WUGA34ZZ009130513			EA	76								
757	3751570073	RED,CONC,BW, 2.0 INCH, STD,1.0 INCH, STD Long Text : REDUC.CONC, B-16.9, ASTM A 403 GR.WP316L-S, BW, 2.0 INCH, STD,1.0 INCH, STD			EA	10								
758	3751570083	RED,CONC,BW, 3.0 INCH, STD,1.0 INCH, STD Long Text : REDUC.CONC, B-16.9, ASTM A 403 GR.WP316L-S, BW, 3.0 INCH, STD,1.0 INCH, STD			EA	5								

759	3751550163	RED,CON,S316L,BW,CRY,40/40S,4 X 2IN Long Text : REDUCER,PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A403 GR.WP-S-316L MANUFACTURING PROCESS:SEAMLESS,END CONNECTION:BUTT WELD ,SERVICE:CRYO,SCHEDULE:40/40S,SIZE:4 X 2 IN ,REFERENCE NUMBER:WUGA34ZZ413130913			EA	22								
760	3751200013	RED,CON,WPL6,BW,LT,XS/160,2 X 0.75IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A420 GR.WPL6 ,END CONNECTIN:BUTT WELD,SERVICE:LOW TEMP,SCHEDULE:XS/160 ,SIZE:2 X 0.75 IN,REFERENCE NUMBER:WUGB44ZZ509190510			EA	28								

761	3751200023	RED,CON,WPL6,BW,LT,XS/XS,2 X 1IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A420 GR.WPL6 ,END CONNECTIN:BUTT WELD,SERVICE:LOW TEMP,SCHEDULE:XS/XS ,SIZE:2 X 1 IN,REFERENCE NUMBER:WUGB44ZZ509190619			EA	32							
762	3751200033	RED,CON,WPL6,BW,LT,XS/XS,2 X 1.5IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A420 GR.WPL6 ,END CONNECTIN:BUTT WELD,SERVICE:LOW TEMP,SCHEDULE:XS/XS ,SIZE:2 X 1.5 IN,REFERENCE NUMBER:WUGB44ZZ509190819			EA	33							

763	3751200043	RED,CON,WPL6,BW,LT,STD/XS, 3 X 1.5IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A420 GR.WPL6 ,END CONNECTIN:BUTT WELD,SERVICE:LOW TEMP,SCHEDULE:STD/XS ,SIZE:3 X 1.5 IN,REFERENCE NUMBER:WUGB44ZZ511180819			EA	23							
764	3751200053	RED,CON,WPL6,BW,LT,STD/XS, 3 X 2IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A420 GR.WPL6 ,END CONNECTIN:BUTT WELD,SERVICE:LOW TEMP,SCHEDULE:STD/XS ,SIZE:3 X 2 IN,REFERENCE NUMBER:WUGB44ZZ511180919			EA	22							

765	3751200063	RED,CON,WPL6,BW,LT,STD/XS, 4 X 1.5IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A420 GR.WPL6 ,END CONNECTIN:BUTT WELD,SERVICE:LOW TEMP,SCHEDULE:STD/XS ,SIZE:4 X 1.5 IN,REFERENCE NUMBER:WUGB44ZZ513180819			EA	24							
766	3751200073	RED,CON,WPL6,BW,LT,STD/XS, 4 X 2IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A420 GR.WPL6 ,END CONNECTIN:BUTT WELD,SERVICE:LOW TEMP,SCHEDULE:STD/XS ,SIZE:4 X 2 IN,REFERENCE NUMBER:WUGB44ZZ513180919			EA	23							

767	3751200083	RED,CON,WPL6,BW,LT,STD/STD,4 X 3IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A420 GR.WPL6 ,END CONNECTIN:BUTT WELD,SERVICE:LOW TEMP,SCHEDULE:STD/STD ,SIZE:4 X 3 IN,REFERENCE NUMBER:WUGB44ZZ513181118			EA	14							
768	3755170523	RED,ECC,WPB,BW,NACE,STD/XS,4 X 2IN Long Text : REDUCER, PIPE,TYPE:ECCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIONBUTT WELD,CERTIFICATION:NACE,SCHEDULE:STD/XS ,SIZE:4 X 2 IN,REFERENCE NUMBER:WVG684ZZ213180919			EA	22							

769	3755170633	RED,ECC,WPB,BW,NACE,STD/STD,4 X 3IN Long Text : REDUCER, PIPE,TYPE:ECCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIONBUTT WELD,CERTIFICATION:NACE,SCHEDULE:STD/STD ,SIZE:4 X 3 IN,REFERENCE NUMBER:WVG684ZZ213181118			EA	17							
770	3755170173	RED,ECC,WPB,BW,H2,XS/XS,2 X 1IN Long Text : REDUCER, PIPE,TYPE:ECCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIONBUTT WELD,SERVICE:HYDROGEN,SCHEDULE:XS/XS ,SIZE:2 X 1 IN,REFERENCE NUMBER:WVG684ZZ709190619			EA	31							

771	3755172153	RED,ECC,WPB,BW,H2,XS/XS,2 X 1.5IN Long Text : REDUCER,PIPE,TYPE:ECCENTRIC,DESIGN STANDARD:ASME B 16.9, MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB, END CONNECTION:UTT WELD,SERVICE:HYDROGEN,SCHEDULE:XS/XS, SIZE:2 X 1.5 IN			EA	34							
772	3755170303	RED,ECC,WPB,BW,H2,STD/XS,3 X 1.5IN Long Text : REDUCER, PIPE,TYPE:ECCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIONBUTT WELD,SERVICE:HYDROGEN,SCHEDULE:STD/XS ,SIZE:3 X 1.5 IN,REFERENCE NUMBER:WVG684ZZ711180819			EA	17							

773	3755170363	RED,ECC,WPB,BW,H2,STD/XS,3 X 2IN Long Text : REDUCER, PIPE,TYPE:ECCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,MANUFACTURINGROCESS:SEAMLESS,END CONNECTION:BUTT WELD ,SERVICE:HYDROGEN,SCHEDULE:STD/XS,SIZE:3 X 2 IN ,REFERENCE NUMBER:WVG684ZZ711180919			EA	31								

774	3755170513	RED,ECC,WPB,BW,H2,120/XS,4 X 2IN \Long Text : REDUCER, PIPE,TYPE:ECCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIONBUTT WELD,SERVICE:HYDROGEN,SCHEDULE:120/XS ,SIZE:4 X 2 IN,REFERENCE NUMBER:WVG684ZZ713080919			EA	24							
775	3755170443	RED,ECC,WPB,BW,H2,STD/XS,4 X 1.5IN Long Text : REDUCER, PIPE,TYPE:ECCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIONBUTT WELD,SERVICE:HYDROGEN,SCHEDULE:STD/XS ,SIZE:4 X 1.5 IN,REFERENCE NUMBER:WVG684ZZ713180819			EA	10							

776	3755170553	RED,ECC,WPB,BW,H2,STD/XS,4 X 2IN Long Text : REDUCER, PIPE,TYPE:ECCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIONBUTT WELD,SERVICE:HYDROGEN,SCHEDULE:STD/XS ,SIZE:4 X 2 IN,REFERENCE NUMBER:WVG684ZZ713180919			EA	24							
777	3755200013	RED,ECC,WPL6,BW,LT,XS/XS,2 X 1IN Long Text : REDUCER, PIPE,TYPE:ECCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL FINE GRAINED ,MATERIAL STANDARD:ASTM A420 GR.WPL6,ND CONNECTION:BUTT WELD ,SERVICE:LOW TEMP,SCHEDULE:XS/XS,SIZE:2 X 1 IN ,REFERENCE NUMBER:WVGB44ZZ509190619			EA	78							

778	3755200023	RED,ECC,WPL6,BW,LT,XS/XS,2 X 1.5IN Long Text : REDUCER, PIPE,TYPE:ECCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL FINE GRAINED ,MATERIAL STANDARD:ASTM A420 GR.WPL6,ND CONNECTION:BUTT WELD ,SERVICE:LOW TEMP,SCHEDULE:XS/XS,SIZE:2 X 1.5 IN ,REFERENCE NUMBER:WVGB44ZZ509190819			EA	14							
779	3755200033	RED,ECC,WPL6,BW,LT,STD/XS, 3 X 1.5IN Long Text : REDUCER, PIPE,TYPE:ECCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL FINE GRAINED ,MATERIAL STANDARD:ASTM A420 GR.WPL6,ND CONNECTION:BUTT WELD ,SERVICE:LOW TEMP,SCHEDULE:STD/XS,SIZE: 3 X 1.5 IN ,REFERENCE NUMBER:WVGB44ZZ511180819			EA	14							

780	3755200043	RED,ECC,WPL6,BW,LT,STD/XS, 3 X 2IN Long Text : REDUCER, PIPE,TYPE:ECCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL FINE GRAINED ,MATERIAL STANDARD:ASTM A420 GR.WPL6,ND CONNECTION:BUTT WELD ,SERVICE:LOW TEMP,SCHEDULE:STD/XS,SIZE: 3 X 2 IN ,REFERENCE NUMBER:WVGB44ZZ511180919			EA	21								
781	3755200063	RED,ECC,WPL6,BW,LT,STD/XS, 4 X 2IN Long Text : REDUCER, PIPE,TYPE:ECCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL FINE GRAINED ,MATERIAL STANDARD:ASTM A420 GR.WPL6,ND CONNECTION:BUTT WELD ,SERVICE:LOW TEMP,SCHEDULE:STD/XS,SIZE: 4 X 2 IN ,REFERENCE NUMBER:WVGB44ZZ513180919			EA	18								

782	3755200073	RED,ECC,WPL6,BW,LT,STD/STD ,4 X 2.5IN Long Text : REDUCER, PIPE,TYPE:ECCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL FINE GRAINED ,MATERIAL STANDARD:ASTM A420 GR.WPL6,ND CONNECTION:BUTT WELD ,SERVICE:LOW TEMP,SCHEDULE:STD/STD,SIZE :4 X 2.5 IN ,REFERENCE NUMBER:WVGB44ZZ513181018			EA	7								
783	3755200083	RED,ECC,WPL6,BW,LT,STD/STD ,4 X 3IN Long Text : REDUCER, PIPE,TYPE:ECCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL FINE GRAINED ,MATERIAL STANDARD:ASTM A420 GR.WPL6,ND CONNECTION:BUTT WELD ,SERVICE:LOW TEMP,SCHEDULE:STD/STD,SIZE :4 X 3 IN ,REFERENCE NUMBER:WVGB44ZZ513181118			EA	15								

784	3755570113	RED,ECC,S316L,BW,MM,3X1.5IN Long Text : REDUCER,PIPE,TYPE:ECCENTRIC,DESIGN STANDARD:ASME B 16.9, MATERIAL:STAINLESS STEEL 316L, MATERIAL STANDARD:ASTM A403 GR.WP-S-316L,ED CONNECTION:BW, SCHEDULE:MM,SIZE:3X1.5 IN			EA	10								
785	3788360223	WOL,F22,BW,IBR,36MM/XXS,16 X 1.5IN Long Text : BRANCH,PIPE,TYPE:WELDOLET, DESIGN STANDARD:MSS-SP97 ,MATERIAL:ALLOY STEEL,MATERIAL STANDARD:ASTM A182 GR.F22 CL.3 ,END CONNECTION:BTTWELD,CERTIFICATION:IBR ,SCHEDULE/WT (RUN X BRANCH):36 MM THK/XXS ,SIZE(RUN X BRANCH):16 X 1.5 IN ,REFERENCE NUMBER:YWS414ZZ120B10820			EA	2								

786	3751171443	RED,CON,WPB,BW,STD/STD,24 X 18IN Long Text : REDUCER, PIPE,TYPE:CONCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,MANUFACTURINGPROCESS:WELDED,END CONNECTION:BUTT WELD ,SCHEDULE:STD/STD,SIZE:24 X 18 IN ,REFERENCE NUMBER:WUG754ZZ024182118			EA	1							
787	3788360373	WELDOLET, BW,IBR, 4 X 1INCH,SCH M Long Text : WELDOLET, BW, ASTM A182 GR F22 CL 3, IBR, 4 X 1INCH,SCH M,M ,MSS-SP97			EA	2							
788	3788360383	WELDOLET, BW, IBR, 3 X 1INCH,SCH M, Long Text : WELDOLET, BW, ASTM A182 GR F22 CL 3, IBR, 3 X 1INCH,SCH M,M ,MSS-SP97			EA	2							

789	3751570093	RED,CONC,BW,SIZE:- 1"X 1/2 ",SCH/THK=M Long Text : CONCENTRIC REDUCER,SCH/THICK =M,M,B 16.11,MOC:-ASTM A 403 GR WP 316L-S, BW,SIZE:- 1"X 1/2 "			EA	10								
790	3755570173	RED,ECEN,BW,SIZE:- 2"X 1 1/2 "SCH M Long Text : ECENTRIC REDUCER,SCH/THICK =M,M,B 16.11,MOC:-ASTM A 403 GR WP 316L-S, BW,SIZE:- 2"X 1 1/2 "			EA	5								
791	3755171163	RED,ECC,WPB,BW,STD/STD,12 X 10IN Long Text : REDUCER, PIPE,TYPE:ECCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,MANUFACTURINGROCESS:SEAMLESS,END CONNECTION:BUTT WELD ,SCHEDULE:STD/STD,SIZE:12 X 10 IN ,REFERENCE NUMBER:WVG684ZZ018181718			EA	5								

792	3755171113	RED,ECC,WPB,BW,STD/STD,12 X 8IN Long Text : REDUCER, PIPE,TYPE:ECCENTRIC,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:CARBON STEEL,MATERIAL STANDARD:ASTM A234 GR.WPB ,END CONNECTIONBUTT WELD,SCHEDULE:STD/STD,SIZE :12 X 8 IN ,REFERENCE NUMBER:WVG684ZZ018181618			EA	3							
793	3755570183	RED,ECENT,BW,SIZE:- 4"X 2 1/2 ",SCH 10S Long Text : ECENTRIC REDUCER,SCH/THICK =10 S,10 S,B 16.9, ASTM A 403 GR WP316L-S, BW,SIZE:- 4"X 2 1/2 "			EA	3							

794	3743800013	NPL,CON,F316L,PBE,80S/80S,0.75 X 0.5IN Long Text : NIPPLE, PIPE,TYPE:CONCENTRIC,SWAGE,DESIGN STANDARD:BS 3799 ,MATERIAL:STAINLESS STEEL 316L ,MATERIAL STANDARD:ASTM A182 GR.F316L ,ED PREPARATION:PLAIN BOTH ENDS,SCHEDULE:80S/80S ,SIZE:0.75 X 0.5 IN,REFERENCE NUMBER:WNH476ZZ005140414			EA	4							
795	4137070163	FLNG.BLIND, 1.5 INCH, 150 Long Text : FLNG.BLIND, B-16.5, ASTM A 182 GR.F316L, 150, RF/125AARH, 1.5 INCH			EA	10							
796	4137070173	FLNG.BLIND,2.5INCH, 150 Long Text : FLNG.BLIND, B-16.5, ASTM A 182 GR.F316L, 150, RF/125AARH, 2.5INCH			EA	10							
797	4137070183	FLNG.BLIND, 3.0 INCH, 150 Long Text : FLNG.BLIND, B-16.5, ASTM A 182 GR.F316L, 150, RF/125AARH, 3.0 INCH			EA	10							

798	3755560013	RED,ECC, BW, 3.0 INCH, 80S,2.5 INCH, 80S Long Text : REDUC.ECC, B-16.9, ASTM A 403 GR.WP316L-S, BW, 3.0 INCH, 80S,2.5 INCH, 80S			EA	5							
799	3741530123	NPL,TP316L,PBE,40S,80MM,1.5IN Long Text : NIPPLE,PIPE DESIGN STANDARD : ASME B 36.19 MATERIAL : STAINLESS STEEL 316L MATERIAL STANDARD : ASTM A312 TP316L MANUFACTURING POCESS : SEAMLESS END PREPARATION : PLAIN BOTH ENDS SCHEDULE : 40S LENGTH: 80 MM SIZE: 1.5 IN			NOS	4							
800	3716170113	CAP,A105,THD,CL6000,0.75IN Long Text : CAP, PIPE,DESIGN STANDARD:ASME B 16.11,MATERIAL:CARBON STEEL ,MATERIAL STANDARD:ASTM A105,END CONNECTION:THREADED ,PRESSURE RATINGCLASS 6000,SIZE:0.75 IN ,REFERENCE NUMBER:WF60283Z005ZZZZZZ			EA	15							

801	3771570093	TEE, REDUCER ,2"X 0.5"INCH, STD, BW Long Text : TEE, REDUCER , B-16.9, ASTM A 403 GR.WP316L, BW, 2"X 0.5"INCH, STD			EA	2								
802	3741530153	NIPPLE,SEAMLESS, 1.0 INCH, 40S, 100 MM Long Text : NIPPLE, B-36.19, ASTMA 312 TP316L, PBE, SEAMLESS, 1.0 INCH, 40S, 100 MM			EA	10								
803	3751172433	RED,CONC,BW, 2.0 INCH, 160, 3" INCH,S160 Long Text : REDUC.CONC, B-16.9, ASTM A 234 GR.WPB, BW, 2.0 INCH, 160, 3" INCH, S160			EA	3								
804	3751172443	RED,CONC,BW, 2.0 INCH, 160, 4" INCH,S160 Long Text : REDUC.CONC, B-16.9, ASTM A 234 GR.WPB, BW, 2.0 INCH, 160, 4" INCH, S160			EA	3								

805	3767500013	TEE,EQ,S304,BW,40S,2IN Long Text : TEE, PIPE,TYPE:EQUAL,DESIGN STANDARD:ASME B 16.9 ,MATERIAL:STAINLESS STEEL 304 ,MATERIAL STANDARD:ASTM A403 GR.WP-S-304 ,END CONNETION:BUTT WELD,SCHEDULE:40S,SIZE:2 IN			EA	3								
806	3767500383	TEE EQUAL,SIZE:-1/2",BW,SCH/THICK=80 S Long Text : TEE EQUAL,SCH/THICK=80 S,B 16.11,MOC:-ASTM A 403 GR WP 304,BW,SIZE:-1/2"			EA	5								
COLUMN-WISE TOTAL AMOUNT:									---		---			

TOTAL AMOUNT (AFTER SUMMING UP COLUMN Q) IN FIGURE:	
TOTAL AMOUNT (AFTER SUMMING UP COLUMN Q) IN WORDS:	

Note:

1. *In case the bidder is covered under Composition Scheme under GST laws, then bidder should quote the price inclusive of the GST (CGST & SGST/UTGST or IGST). Further, such bidder should mention "Cover under composition system" in column for GST (CGST & SGST/UTGST or IGST) of price schedule above.*
2. *In case any unregistered bidder is submitting their bid, their prices will be loaded with applicable GST (CGST & SGST/UTGST or IGST) during evaluation of bid. Where BCPL is entitled for input credit of GST (CGST & SGST/UTGST or IGST), the same will be considered for evaluation of bid as per evaluation methodology of tender document.*
3. *In case any cess on GST is applicable, same shall also be considered in evaluation.*

Name of authorized person submitting the tender on behalf of the Bidder (s):	

Designation of authorized person:	
Name of firm / Contractor:	
Address of firm / Contractor:	
Date:	

FOLDER-II
(FINANCE/ PRICE BID)

(Worksheet to be uploaded at e-Portal in Folder –II (FINANCE/ PRICE BID)/Not applicable for GeM

CUT-OUT SLIPS

ENVELOPE – (I): "BID SECURITY / EMD & TENDER FEE /MSE CERTIFICATE (as applicable), POWER OF ATTORNEY AND ANY OTHER TENDER DOCUMENTS"

DO NOT OPEN

SUB: CENTRALISED PROCUREMENT OF NON-IBR PIPE FITTINGS FOR ENTIRE BCPL PLANT FOR SHUTDOWN 2022 AND REGULAR O&M

E-TENDER NO.: BCPL/C&P/CO21S441OR/04578

BID SUBMISSION DUE DATE &
TIME ON E-TENDER PORTAL : **09.03.2022 at 1430Hrs**

TO

CONTRACTS & PROCUREMENT DEPT.
M/s Brahmaputra Cracker and Polymer Limited (A Government of India Enterprise),
C&P Department, Administrative Building, PO: Lepetkata, Dist.: DIBRUGARH, Assam,
Pin Code:786006,
Phone no. 0373 2914636.

FROM:

TO BE PASTED ON THE OUTER ENVELOPE CONTAINING

BID SECURITY / EMD & TENDER FEE /MSE CERTIFICATE (as applicable), POWER OF ATTORNEY AND ANY OTHER TENDER DOCUMENTS