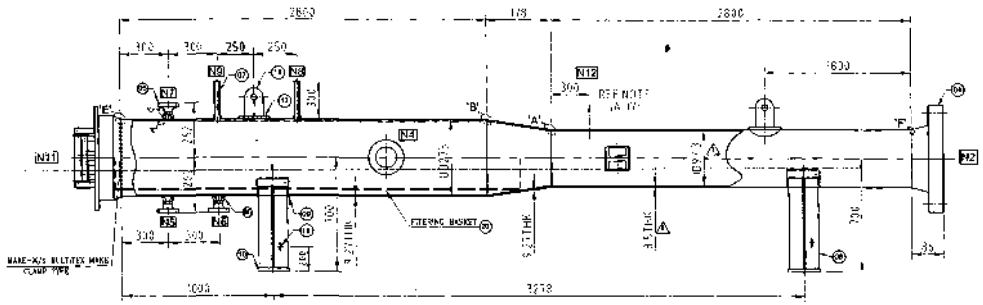
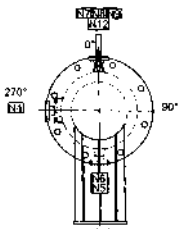




ELEVATION



VIEW - Z.Z
NOZZLE ORIENTATION

TECHNICAL INFORMATION		TAG NO. 102-MR-101	QTY. ONE
OPERATING CONDITIONS		DESIGN CONDITIONS	
FLUID HANDLED		DESIGN CODE	ASME B31 FOR BARREL NOZ. & BRANCH ASME SEC VIII DIV 1 FOR QUICK OPENING CLOSURE
OPER. PRESS.	-		
OPER. TEMP.	-	ASME 1001 STAMPING	NO
FLOW RATE	-	DESIGN PRESSURE	4.9 Kg./cm²g
DENSITY	-	DESIGN FACTOR	0.72
WIND SPEED / LOAD	**	DESIGN TEMP.	65° C
WIND DESIGN SPEC	**	MDMT AT MAWP	-29° C
SEISMIC DESIGN SPEC	**	ANSI RATING	300#
SEISMIC ZONE	**	CORROSION ALLOWANCE	3.0 mm
** DATA IS TO BE FURNISHED BY THE CUSTOMER		SERVICE	C2-LIQUID HYDROCARBON
		NACE	NO
CLEATS FOR		RADIOGRAPHY	100%
PLATFORM/LADDERS	NO	WELD JOINT EFF.	1.0
PIPING	NO	IMPACT TESTING	YES
INSULATION	NO	PWHT	NO
INTERNALS	NO	HYDRO TEST PRESS.	6.125 Kg./cm²g
OTHER	NO	HYDRO TEST TEMP.	>18°C
		INSPECTION AGENCY	TPI
		INSULATION THK.	NO
		EMPTY WEIGHT	4.00 Kg (APPROX)
		WATER FILLED WEIGHT	8.50 Kg APPROX

NOZZLE SCHEDULE

LOCATION	NOZZLE	SIZE NPS	SCH/ BORE	QTY.	FLANGE TYPE	FLANGE CLASS	(MM.) PROJ.	SERVICE
MAJOR BARREL	N4	50	SCH XXS	01	WNRF	300#	282	BY PASS CONN.
	N5	50	SCH XXS	01	WNRF	300#	282	DRAIN CONN.
	N6	50	SCH XXS	01	WNRF	300#	282	UTILITY CONN.
	N7	50	SCH XXS	01	WNRF	300#	282	VENT CONN.
	N8	20	SCH XXS	01	P.E.	-	-	PR.GAUGE CONN.
	N9	20	SCH XXS	01	P.E.	-	-	TSV CONN.
MINOR BARREL	N12	REF NOTE-17	-	01	-	-	-	HOLE FOR PIG SIGNALLER

PAINTING

SURFACE PREPARATION

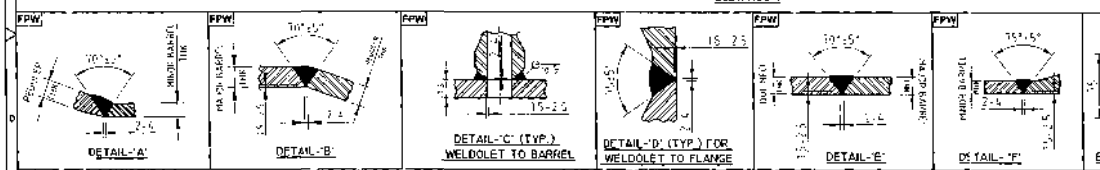
SURFACE PREPARATION :- BY SHOT BLASTING TO SP-6 IN ACCORDANCE WITH SSPC-VIS-1

ALL MACHINED PARTS SHALL BE COATED WITH ANTIRUST REMOVABLE PAINT & NON MACHINED PARTS SHALL BE APPLIED WITH TWO COATS OF PROTECTIVE PAINTS.

1. ONE COAT OF EPOXY ZINC PHOSPATE PRIMER WITH 50µ (MICRONS)
2. TWO COATS OF HIGH BUILD EPOXY FINISH COATING WITH 125µ (MICRONS) [EACH].

INTERNAL : NIL

RECEIVER	PIG SIGNALER MOUNTED ON RECEIVER
102-MR-101	102-XXIS-3702



TECHNICAL NOTES

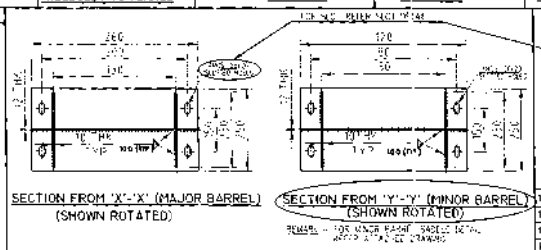
(A) GENERAL:-
1. ALL DIMENSIONS ARE IN mm.
2. ALL BOLT HOLES SHALL STRADDLE THE NORMAL VESSEL CENTRE LINES
3. ALL NOZZLES SHALL BE FLUSHED WITH INSIDE PROFILE OF BARRELS AND CORNERS SHALL BE ROUNDED OFF
4. NOZZLE PROJECTIONS ARE REFERED FROM CENTRE LINE UNLESS OTHERWISE SHOWN
5. ALL NOZZLE/BARREL FLANGE GASKET FACES SHALL BE PROVIDED WITH SMOOTH FINISH 125-250 AARH
6. DO NOT SCALE THE DRAWING IF IN DOUBT, PLEASE ASK
7. PADS FOR LIFTING LUG, SADDLE ETC. SHALL BE PROVIDED WITH 6 mm VENT HOLES.
8. ALL MACHINED SURFACES SHALL BE PROVIDED WITH SUITABLE RUST PREVENTIVE
9. MACHINED SURFACES OF FLANGE, GASKET FACES AND EARTHING LUGS SHALL NOT BE PAINTED
10. ALL FLANGED OPENING (WITHOUT BLINDS) SHALL BE PROTECTED WITH 6 THK. BOLTED METALLIC CLOSURES
11. ALL SHARP CORNERS SHALL BE ROUNDED OFF
12. TOLERANCES ON LINEAR DIMENSIONS SHALL BE ±5.0 mm UNLESS OTHERWISE STATED
13. SHOP TO PROVIDE SUITABLE STOPPER TO AVOID FOULING OF QOC COVER WITH KICKER CONNECTION PIPING IF REQD.
14. ALL INSPECTION & TEST SHALL BE CARRIED OUT AS PER CLAUSE NO 5 OF SPECIFICATION NO.6-71-0031 REV.3
15. ALL WELDOLETS SHALL BE MANUFACTURED AS PE PER MSS-SP-97 AND ALL WPROLETS AS PER MANUFACTURER'S STANDARD
16. QOC MAKE M/S MULTITEX MARK.
17. Ø38 mm HOLE TO BE DRILLED IN MINOR BARREL TO MATCH INSIDE DIA. OF WELD BASE OF PIG SIGNALLER
18. PIG SIGNALER MAKE M/S ENPIP PRODUCTS, UK ⚠
19. SCRAPPER TRAP IS SUITABLE FOR ACCOMMODATING LATEST ONLINE INSPECTION TOOL (SEE PAGE 51) ⚠

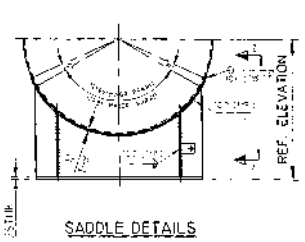
(B) MATERIALS:-
1. PIPES, FITTINGS AND FLANGES SHALL HAVE CARBON CONTENT ≤ 0.23%, Ceq ≤ 0.43%
2. IMPACT TEST FOR PIPE MATERIAL SHALL BE CONDUCTED AT 0°C AS PER ASTM A370 WITH MINIMUM AVERAGE VALUE 27J (FOR 3 SPECIMEN) AND 22J MINIMUM FOR INDIVIDUAL SPECIMEN. ALSO FORGINGS/FLANGE IMPACT TESTING SHALL BE PERFORMED AS PER ABOVE
3. HARDNESS OF WELD, HEAT AFFECTED ZONE & BASE MATERIAL SHALL NOT EXCEED 248 HV 10

(C) WELDING:-
1. ALL INDICATED WELD FILLET SIZE ARE MINIMUM.
2. ALL BUTT WELD SHALL BE FULL PENETRATION WELD (PWHT IF BACK CHIPPING & RE WELDING FROM OTHER SIDE IS NOT POSSIBLE THEN ROOT RUN SHALL BE MADE BY GTAW

(D) NON DESTRUCTIVE EXAMINATION:-
1. AS PER CL APPROVED ITP

(E) HYDROTEST:-
1. ⚠ THE COMPLETED VESSEL SHALL BE HYDROSTATICALLY TESTED FOR DURATION OF 1 HOUR





COMMISSIONING SPARES
Q.O.C SEAL 10" - 2 NOS
Q.O.C SEAL MATERIAL : VITON

DATA SHEET NO : 1207-014-16-71-DS-04 REV.0 ⚠
ADDENDUM NO 1207-014-16-71-AD-03 REV.3
SPECIFICATION NO : 6-71-0031 REV.3

AS BUILT DRG ⚠

S NO.	APPLICABLE DRG Nos.	DESCRIPTION
1	WC348/SR02/K36L18/A3/02	NAME PLATE DETAIL PIG RECEIVER
2	WC348/SR02/K36L18/A3/03	PIG HANDLING DEVICE FOR PIG RECEIVER
3.	WC348/SR02/K36L18/A3/04	FILTERING BASKET ASSY. DETAIL
4	WC348/Q0C03/K36L18/A3/01	QOC

S NO	DESCRIPTION	QTY.	MATERIAL	REMARKS	WT (Kg)
17	FILTERING BASKET ASSY	01	REF. DRG No WC348/SR02/K36L18/A3/04		-
16	Q.O.C.	01	SA 694 Gr. F 42	10", CLASS 300#	-
15	LIFTING LUG	02	SA-516 Gr 70	20 THK	-
14	PAD FOR LIFTING LUG	02	SA-516 Gr 70	250 X 100 X 20 THK.	-
13	NAME PLATE	01	SS 316	-	-
12	NAME PLATE BRACKET	01	SA-516 Gr.70	8.0 THK.	-
11	EARTHING LUG	02	SA-36	10 THK.	-
10	BASE PLATE	02	SA-36	25 THK.	-
09	PAD FOR SADDLE	02	SA-516 Gr 70	12 THK.	-
08	SADDLE ASSEMBLY	02	SA-36	12 THK.	-
07	WPOLET (N8,N9)	02	SA 105 (CHARPY)	3/4" NB, SCH XXS	-
06	WELDOLET (N4,N5,N6&N7)	04	SA 105 (CHARPY)	2" NB, SCH XXS	-
05	FLANGE (N4,N5,N6&N7)	04	SA 105	2"NB, ASME B-16.5, WNRF, 300#	-
04	FLANGE (N2)	01	SA 105	4"NB, ASME B-16.5, WNRF, 300#	-
03	CON. REDUCER	01	SA 234 Gr.WPB	10" NB x 4" NB, (9.27 X 8.5 THK.)	-
02	MINOR BARREL	01	API 5L GRX 42 PSL1 CHARPY	4" NB x 8.5 THK.	-
01	MAJOR BARREL	01	API 5L GRX 42 PSL1 CHARPY	10" NB X 9.27 THK	-

BILL OF MATERIAL

2	REVISED AS PER COMMENTS	MAAN	Y.L.M	A.K.R	05.01.10
1	REVISED AS PER COMMENTS	MAAN	Y.L.M	A.K.R	10.12.09
0	ISSUED FOR APPROVAL	MAAN	Y.L.M	A.K.R	18.09.09
ISS	REVISION	DRN	CHD	APPD	DATE

PROJECT	BRAHMAPUTRA PETROCHEMICAL COMPLEX PROJECT.
CUSTOMER	M/S BRAHMAPUTRA CRACKER AND POLYMER LTD.
CONSULTANT	ENGINEERS INDIA LTD
INSPECTION	EIL
P.O. NO.	1207-014-QF-PO-8040/0503/003, DATED 16.09.09

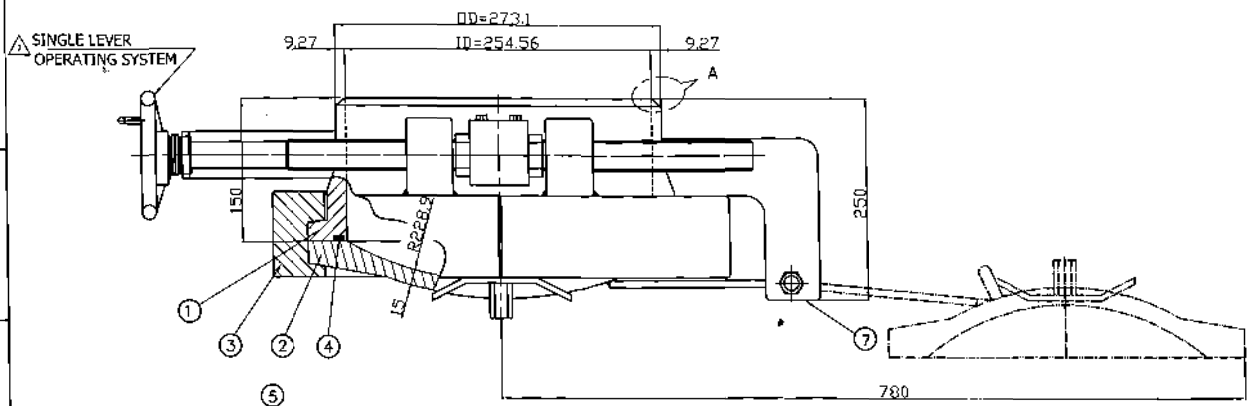
MULTITEX
217 HANS BHAWAN, B.S.Z MARG, NEW DELHI-110002

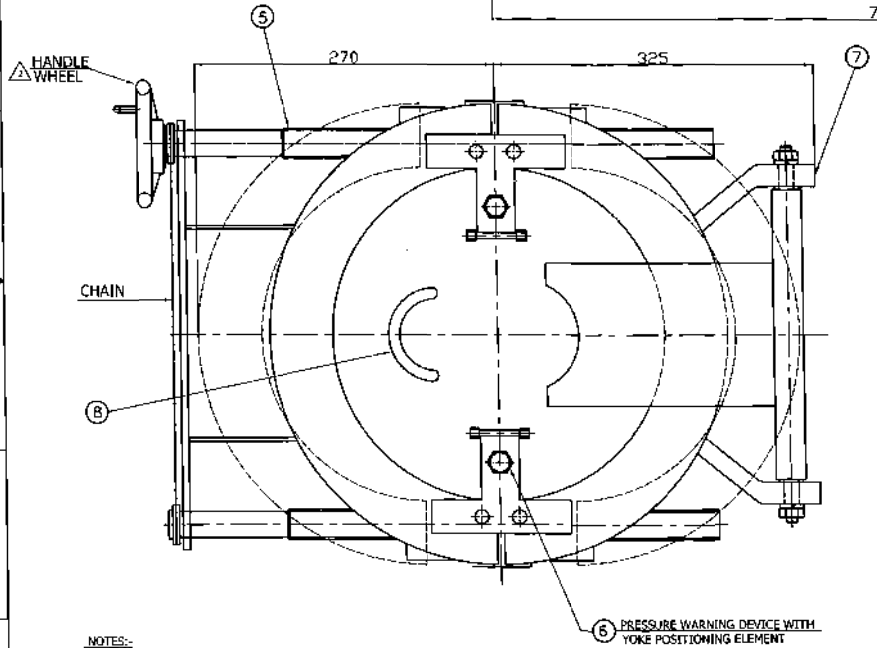
TITLE: G.A. DRG AND FABRICATION DETAILS OF PIG RECEIVER (4"x 10"-300#)

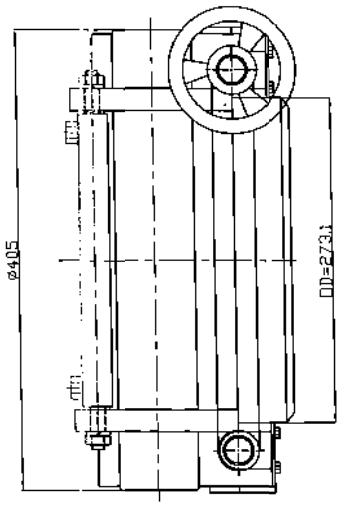
DRN	DESGN	CHD
MAAN	AKR	YLM
APPD	DATE	SCALE
AKR	18.09.09	NTS

DRAWING NO. WC348/SR02/K36L18/A2/01

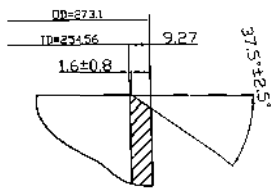
ISS. ⚠ ⚠ ⚠ ⚠ ⚠







DESIGN CONDITION	348
EQUIPEMENT TAG NO.	102-MR-101
VESSEL DIA. x THK.	OD=273.1 x 9.27 THK
VESSEL MOC	API 5L Gr X 42
DESIGN CODE	ASME SEC -VIII, DIV-1
ASME CODE STAMPING	NO
FLUID HANDLED	C2-LIQUID (HVP)HYDROCARBON
DESIGN PRESSURE	49 KG/CM2 (g)
DESIGN TEMP.	-29°C TO 65°C
MDMT	-29°C
CORROSION ALLOWANCE	3 MM
NACE/HIC	NO / NO
IMPACT TEST	YES
HYDRO TEST PRESSURE	61.25 KG/CM2 (g)
ORIENTATION	AS PER PIG TRAP DRAWING
SPARE COMMISSOINING	SEAL (P.NO-4)=02 NO/EACH



DETAIL-A

AS BUILT DRAWING

NOTES:-

1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED
2. ALL FORGINGS SHALL BE PROCURED IN NORMALISED CONDITION.
3. ALL MACHINED SURFACES WILL BE PROVIDED WITH SUITABLE RUST PREVENTIVE AND SHALL NOT BE PAINTED.
4. ALL SHARP CORNERS WILL BE ROUNDED OFF
5. TOLERANCES ON LINEAR DIMENSIONS WILL BE ± 5.0 MM
6. ALL FORGINGS WILL BE 100% ULTRASONICALLY TESTED AS PER SA 388 WITH ACCEPTANCE CRITERIA AS PER AM-203(C) OF ASME SEC VIII DIV. II EDITION 2004 ADDENDA 2006
7. EIL SPECIFICATION NO-G-71-0031 REV.3.
8. EIL DATA SHEET NO-1207-014-16-71-DS-04 ,REV.0
9. QOEC WILL BE HAND OPERATED BY SINGLE LEVER AND OPERATED BY ONE OPERATOR.

S.No.	DESCRIPTION	QTY.	MATERIAL	REMARKS
8	HANDLE	01	SA S16 GR 70	
7	HINGE ARRANGEMENT	01	SA 106 GR B/ SA 516 GR 70	-
6	LOCKING & PRESSURE WARNING DEVICE	02	SS 304	-
5	DRAW BOLT	02	SA 193 GR B7	-
4	SEAL	01	VITON	-
3	YOKE	01	A 694 GR F42	-
2	COVER	01	A 694 GR F42	-
1	HUB/NECK	01	A 694 GR F42	-

BILL OF MATERIAL

ALL DIMENSION ARE IN MM. UNLESS SPECIFIED. UNAUTHORISED USE,MANUFACTURING AND RE-PRODUCTION IN WHOLE OR IN PART S PROHIBITED

WC348/SR02/K3GL18/A2/01	G .A. DWG. AND FABRICATION DETAIL OF PIG RECEIVER (4" x 10"-300#)
DRG. No	TITLE

REFERENCE DRAWINGS

ISS.	REVISION	DRN	SIGN	CHD	SIGN	APPD	SIGN	DATE
3	AS BUILT DRG	RAJU		RN		AKR		13.09.10
2	REV AS PER COMMENTS	RAJU		RN		AKR		03.02.10
1	REVISED DRAWING	RAJU		RN		AKR		

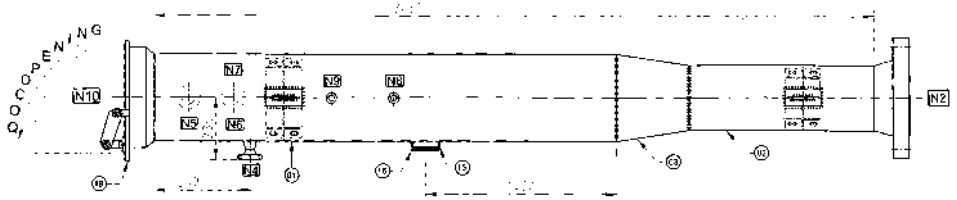
INSPECTION	EIL
CONSULTANT	M/S ENGINEERS INDIA LTD
PROJECT	BRAHMAPUTRA PETROCHEMICAL COMPLEX PROJECT
CUSTOMER	M/S BRAHMAPUTRA CRACKER AND POLYMER LTD
PC. NO.	1207-014-QF-PO-9040/0503/003,DT-16.09.09

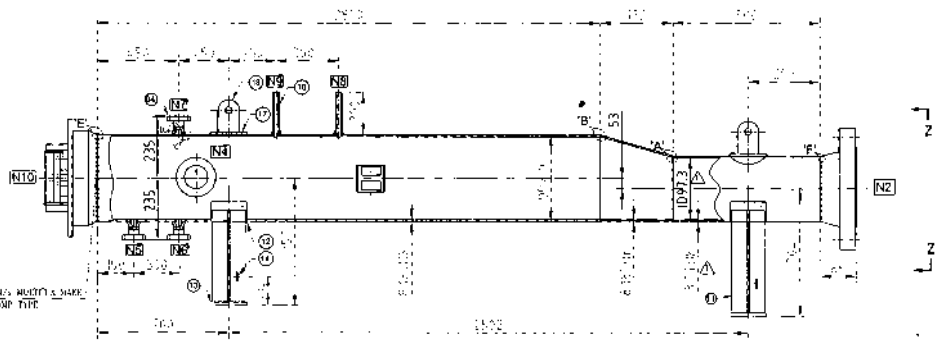
MULTITEX
217,HANS BHAWAN,B.S.Z.MARG,NEW DELHI-110002

TITLE- G.A DWG. OF QUICK OPENING CLOSURE MULTITEX MAKE

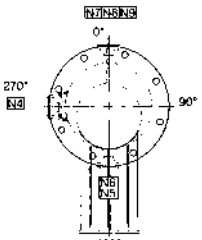
DRN	DESIGN	CHD	DRG. No.	WC348/QOC03/K3GL18/A3/01
RAJU		RN		
APPD	DATE	SCALE		
AKR	30.12.09	-		

ISS. 1 2 3





ELEVATION

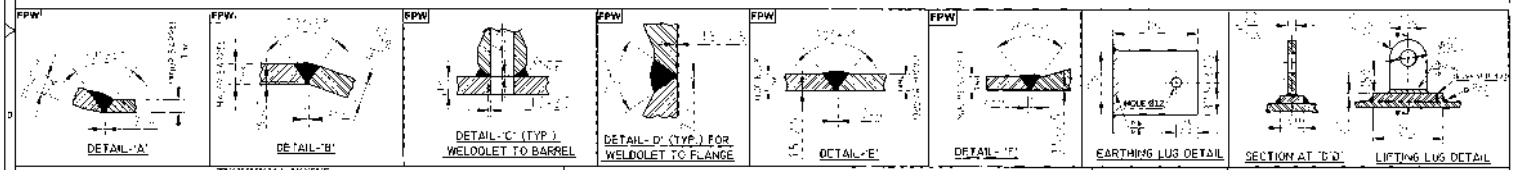


VIEW - Z Z
NOZZLE ORIENTATION

TECHNICAL INFORMATION		TAG NO. 032-M1-108	QTY. ONE
OPERATING CONDITIONS		DESIGN CONDITIONS	
FLUID HANDLED	-	DESIGN CODE	ASME B31.1 FOR BARREL, NECK & DEVIATOR
OPER PRESS	-		ASME SEC VIII DIV 1 FOR DOME CLOSURE
OPER TEMP	°	ASME CODE STAMPING	NO
FLOW RATE	-	DESIGN PRESSURE	4.9 Kg/cm² g
DENSITY	-	DESIGN FACTOR	0.72
WIND SPEED / LOAD	**	DESIGN TEMP	65° C
WIND DESIGN SPEC	**	MDMT AT MAWP	-29° C
SEISMIC DESIGN SPEC	**	ANSI RATING	300#
SEISMIC ZONE	**	CORROSION ALLOWANCE	3.0 MM
** DATA IS TO BE FURNISHED BY THE CUSTOMER		SERVICE	(C2-LOAD)NAPHTHOROCARBAM
		MACE	NO
CLEATS FOR		RADIOGRAPHY	100%
PLATFORM/LADDERS	NO	WELD JOINT EFF	1.0
PIPING	NO	IMPACT TESTING	YES
INSULATION	NO	PWHT	NO
INTERNALS	NO	HYDRO TEST PRESS	6.125 Kg/cm² g
OTHER	NO	HYDRO TEST TEMP	>48°C
		INSPECTION AGENCY	TPI
		INSUL & NON THK	NO
		EMPTY WEIGHT	300 Kg APPROX
		WATER FILLED WEIGHT	700 Kg APPROX

NOZZLE SCHEDULE

LOCATION	NOZZLE	SIZE NPS	SCH/ BORE	QTY	FLANGE TYPE	FLANGE CLASS	(MM.) PROJ.	SERVICE
MAJOR BARREL	N4	50	SCH XXS	01	WNRF	300#	235	KICKER CONN
	N5	50	SCH XXS	01	WNRF	300#	235	DRAIN CONN
	N6	50	SCH XXS	01	WNRF	300#	235	UTILITY CONN.
	N7	50	SCH XXS	01	WNRF	300#	235	VENT CONN
	N8	20	SCH XXS	01	PE	-	-	PR.GAUGE CONN.
	N9	20	SCH XXS	01	PE	-	-	TSV CONN.



TECHNICAL NOTES

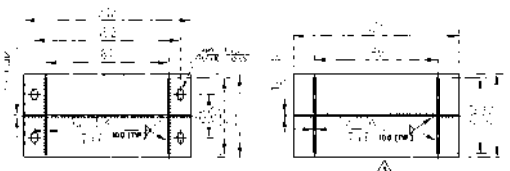
(A)GENERAL:-
1. ALL DIMENSIONS ARE IN mm.
2. ALL BOLT HOLES SHALL STRADDLE THE NORMAL VESSEL CENTRE LINES
3. ALL NOZZLES SHALL BE FLUSHED WITH INSIDE PROFILE OF BARRELS AND CORNERS SHALL BE ROUNDED OFF
4. NOZZLE PROJECTIONS ARE REFERED FROM CENTRE LINE UNLESS OTHERWISE SHOWN
5. ALL NOZZLE/BARREL FLANGE GASKET FACES SHALL BE PROVIDED WITH SMOOTH FINISH 125-250 AARH
6. DO NOT SCALE THE DRAWING IF IN DOUBT, PLEASE ASK
7. PADS FOR LIFTING LUG, SADDLE ETC SHALL BE PROVIDED WITH Ø6 mm VENT HOLES
8. ALL MACHINED SURFACES SHALL BE PROVIDED WITH SUITABLE RUST PREVENTIVE
9. MACHINED SURFACES OF FLANGE, GASKET FACES AND EARTHING LUGS SHALL NOT BE PAINTED
10. ALL FLANGED OPENING (WITHOUT BLINDS) SHALL BE PROTECTED WITH 6THK BOLTED METALLIC CLOSURES.
11. ALL SHARP CORNERS SHALL BE ROUNDED OFF
12. TOLERANCES ON LINEAR DIMENSIONS SHALL BE ±5.0 mm UNLESS OTHERWISE STATED
13. SHOP TO PROVIDE SUITABLE STOPPER TO AVOID FOUING OF 10C COVER WITH KICKER CONNECTION PIPING IF REQD
14. ALL INSPECTION & TEST SHALL BE CARRIED OUT AS PER CLAUSE NO 5 OF SPECIFICATION NO 6-71-0031 REV 3
15. ALL WELDOLETS SHALL BE MANUFACTURED AS PE PER MSS-SP-97 AND ALL WPROLETS AS PER MANUFACTURER'S STANDARD
16. 10C MAKE M/S MULTITEX MAKE
17. SCRAPPER TRAP IS SUITABLE FOR ACCOMMODATING LATEST ONLINE INSPECTION TOOLS(LONGEST) ⚠

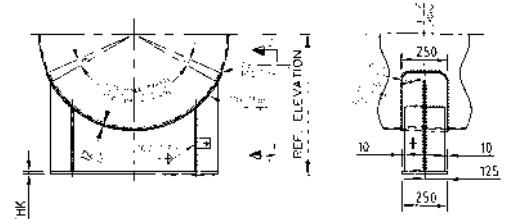
(B)MATERIALS:-
1. PIPES, FITTINGS AND FLANGES SHALL HAVE CARBON CONTENT ≤ 0.23% Ceq ≤ 0.43%.
2. IMPACT TEST FOR PIPE MATERIAL SHALL BE CONDUCTED AT 0°C AS PER ASTM A370 WITH MINIMUM AVERAGE VALUE 27J (FOR 3 SPECIMEN) AND 22J MINIMUM FOR INDIVIDUAL SPECIMEN ALSO FORGINGS/FLANGE IMPACT TESTING SHALL BE PERFORMED AS PER ABOVE
3. HARDNESS OF WELD, HEAT AFFECTED ZONE & BASE MATERIAL SHALL NOT EXCEED 248 HV 10

(C)WELDING:-
1. ALL INDICATED WELD FILLET SIZE ARE MINIMUM
2. ALL BUTT WELD SHALL BE FULL PENETRATION WELD(FPW) IF BACK CHIPPING & RE WELDING FROM OTHER SIDE IS NOT POSSIBLE THEN ROOT RUN SHALL BE MADE BY GTAW

(D)NON DESTRUCTIVE EXAMINATION:-
1. AS PER EIL APPROVED ITP

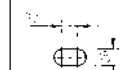
(E)HYDROTEST:-
⚠1 THE COMPLETED VESSEL SHALL BE HYDROSTATICALLY TESTED FOR DURATION OF 3 HOUR





SADDLE DETAILS

END VIEW FROM 'Z'-'Z'



COMMISSIONING SPARES
Q.O.C SEAL 10" :- 2 NOS.
Q.O.C SEAL MATERIAL : VITON

DATA SHEET NO : 1207-014-16-71-DS-03 REV 0 ⚠1
ADDENDUM NO. 1207-014-16-71-AD-03 REV.1
SPECIFICATION NO : 6-71-0031 REV 3

AS BUILT DRG ⚠

SL NO	DESCRIPTION	QTY.	MATERIAL	REMARKS	WT.(Kg)
15	Q.O.C.	01	SA 694 Gr. F 42	8", CLASS 300#	-
14	LIFTING LUG	02	SA-516 Gr.70	20 THK	-
13	PAD FOR LIFTING LUG	02	SA-516 Gr 70	250 x 900 x 20THK	-
12	NAME PLATE	01	SS 316	-	-
11	NAME PLATE @RACKET	01	SA-516 Gr.70	8.0 THK	-
10	EARTHING LUG	02	SA-36	10 THK	-
09	BASE PLATE	02	SA-36	25 THK	-
08	PAD FOR SADDLE	02	SA-545 Gr 70	12 THK.	-
07	SADDLE ASSEMBLY.	02	SA-36	12 THK.	-
⚠1 06	NIPPOLET (N8,N9)	02	SA 105(CHARPY)	3/4" NB, SCH XXS	-
⚠2 05	WELDOLET(N4,N5,N6&N7)	04	SA 105(CHARPY)	2" NB, SCH XXS	-
⚠2 04	FLANGE (N4,N5,N6&N7)	04	SA 105(CHARPY)	2"NB, ASME B-16.5, WNRF,300#	-
04	FLANGE 02	01	SA 105(CHARPY)	4"NB, ASME B-16.5, WNRF,300#	-
03	ECC. REDUCER	01	SA 234 Gr.WPB	8" ND x 4" NB, (8.18 x 6.5 THK)	-
⚠2 02	MINOR BARREL	01	API 5L GR.X42 PSL1 CHARPY	4" NB x 8.5 THK.	-
⚠2 01	MAJOR BARREL	01	API 5L GR.X42 PSL1 CHARPY	8" NB x 8.18 THK.	-

BILL OF MATERIAL

APPLICABLE DRG.

SNO	APPLICABLE DRG Nos	DESCRIPTION
1.	WC348/SL02/K36L18/A3/02	NAME PLATE DETAIL PIG LAUNCHER
2.	WC348/SL02/K36L18/A3/03	PIG HANDLING DEVICE FOR PIG LAUNCHER
3.	WC348/QOC02/K36L18/A3/01	QOC

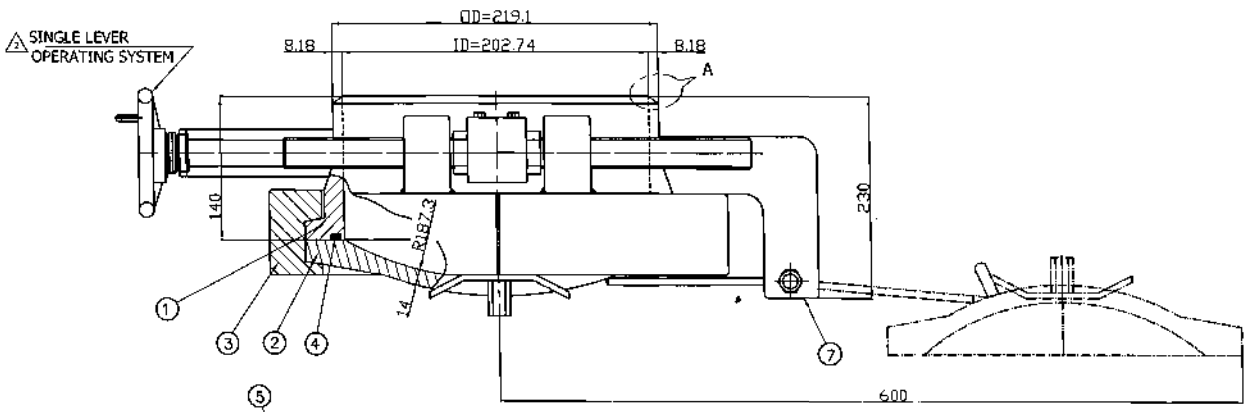
ISS	REVISION	DRN	CHD	APPD	DATE
3	AS BUILT DRG	MAAN	Y.L.M	A.K.R	13.09.10
2	REVISED AS PER COMMENTS	MAAN	Y.L.M	A.K.R	05.01.10
1	REVISED AS PER COMMENTS	MAAN	Y.L.M	A.K.R	10.12.09
0	ISSUED FOR APPROVAL	MAAN	Y.L.M	A.K.R	18.09.09

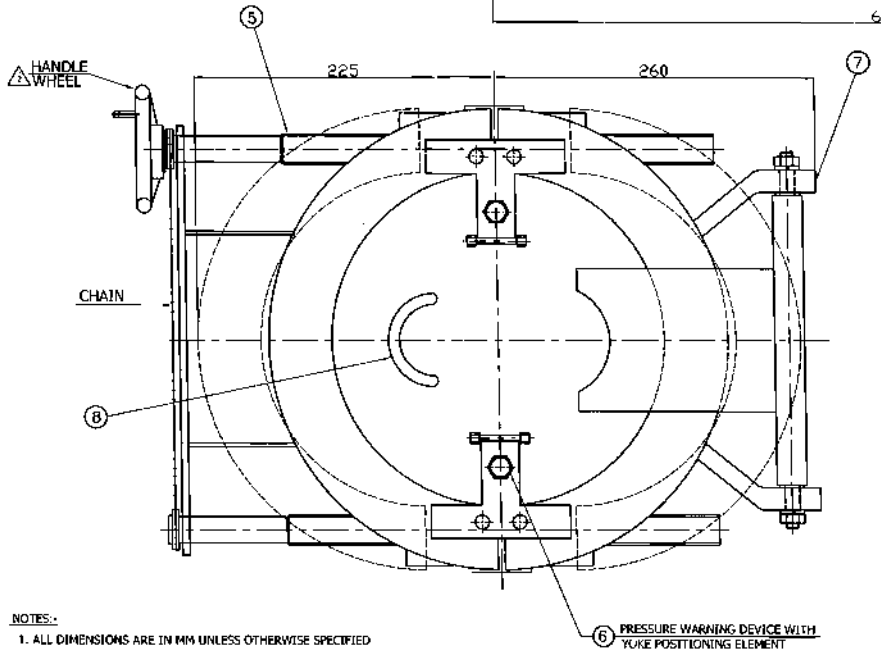
PROJECT	BRAHMAPUTRA PETROCHEMICAL COMPLEX PROJECT.
CUSTOMER	M/S BRAHMAPUTRA CRACKER AND POLYMER LTD.
CONSULTANT	ENGINEERS INDIA LTD.
INSPECTION	EIL
PO NO.	1207-014-QF-PO-0040/0503/003.DT. 18/09/09

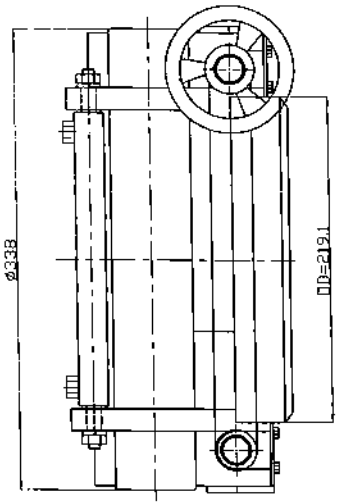
MULTITEX
217,HANS BHAWAN,B.S.Z MARG,NEW DELHI-110002

TITLE:- G.A. DRG. AND FABRICATION DETAILS OF PIG LAUNCHER [4"x 8"-300#]

DRN	DESIGN	CHD	DRAWING NO. WC348/SL02/K36L18/A2/01
MAAN	AKR	YLM	
APPD	DATE	SCALE	
AKR	18.09.09	NTS	ISS ⚠1⚠2⚠3⚠4⚠5⚠6⚠7⚠8



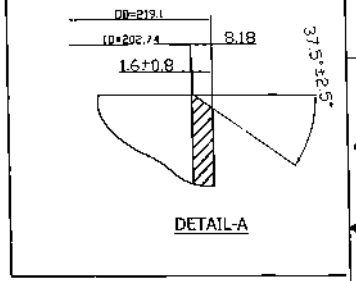




DESIGN CONDITION

350

EQUIPEMENT TAG NO.		052-ML-101
VESSEL	DIA. x THK.	OD=219.1 x 8.18 THK
	MOC	API 5L Gr X42
DESIGN CODE		ASME SEC -VIII, DIV-1
ASME CODE STAMPING		NO
FLUID HANDLED		C2-LIQUID (MVP)HYDROCARBON
DESIGN PRESSURE		49 KG/CM2 (g)
DESIGN TEMP.		-29°C TO 65°C
MDMT		-29°C
CORROSION ALLOWANCE		3 MM
NACE/HIC		NO / NO
IMPACT TEST		YES
HYDRO TEST PRESSURE		61.25 KG/CM2 (g)
ORIENTATION		AS PER PIG TRAP DRAWING
SPARE	COMMISSOINING	SEAL (P.NO-4)=02 NO/EACH



DETAIL-A

AS BUILT DRAWING

NOTES:-

1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED
2. ALL FORGINGS SHALL BE PROCURED IN NORMALISED CONDITION.
3. ALL MACHINED SURFACES WILL BE PROVIDED WITH SUITABLE RUST PREVENTIVE AND SHALL NOT BE PAINTED.
4. ALL SHARP CORNERS WILL BE ROUNDED OFF
5. TOLERANCES ON LINEAR DIMENSIONS WILL BE ± 5.0 MM
6. ALL FORGINGS WILL BE 100% ULTRASONICALLY TESTED AS PER SA 388 WITH ACCEPTANCE CRITERIA AS PER AM-203(C) OF ASME SEC VIII DIV. II EDITION 2004 ADDENDA 2006
7. EIL SPECIFICATION NO-6-71-0031 REV.3.
8. EIL DATA SHEET NO-1207-014-16-71-DS-03 ,REV.0
9. QOEC WILL BE HAND OPERATED BY SINGLE LEVER AND OPERATED BY ONE OPERATOR.

S.No.	DESCRIPTION	QTY.	MATERIAL	REMARKS
8	HANDLE	01	SA 516 GR 70	
7	HINGE ARRANGEMENT	01	SA 106 GR B/ SA 516 GR 70	-
6	LOCKING & PRESSURE WARNING DEVICE	02	SS 304	-
5	DRAW BOLT	02	SA 193 GR B7	-
4	SEAL	01	VITON	-
3	YOKE	01	A 694 GR F42	-
2	COVER	01	A 694 GR F42	-
1	HUB/NECK	01	A 694 GR F42	-

BILL OF MATERIAL

ALL DIMENSION ARE IN MM. UNLESS SPECIFIED | UNAUTHORISED USE,MANUFACTURING AND RE-PRODUCTION IN WHOLE OR IN PART IS PROHIBITED

WC34B/SL02/K36L18/A2/01			GA DWG. AND FABRICATION DETAIL OF PIG LAUNCHER (4" x 8"-300#)	
DRG. No.			TITLE	

REFERENCE DRAWINGS

ISS.	REVISION	DRN	SIGN	CHD	SIGN	APPD	SIGN	DATE
3	AS BUILT DRG	RAJU		RN		AKR		12.9.10
2	REV AS PER COMMENTS	RAJU		RN		AKR		03.02.10
1	REVISED DRAWING	RAJU		RN		AKR		

INSPECTION	EIL
CONSULTANT	M/S ENGINEERS INDIA LTD
PROJECT	BRAHMAPUTRA PETROCHEMICAL COMPLEX PROJECT
CUSTOMER	M/S BRAHMAPUTRA CRACKER AND POLYMER LTD
PO. NO.	1207-014-QF-PO-9040/0503/003,DT-16.09.09

MULTITEX
217,JAIN'S BHAWAN,B.S.Z.MARG,NEW DELHI-110002

TITLE: G.A DWG. OF QUICK OPENING CLOSURE MULTITEX MAKE

DRN	DESIGN	CHD	DRG. No.	WC34B/QOC02/K36L18/A3/01
RAJU		RN		
APPD	DATE	SCALE	ISS.	1 2 3
AKR	30.12.09	-		