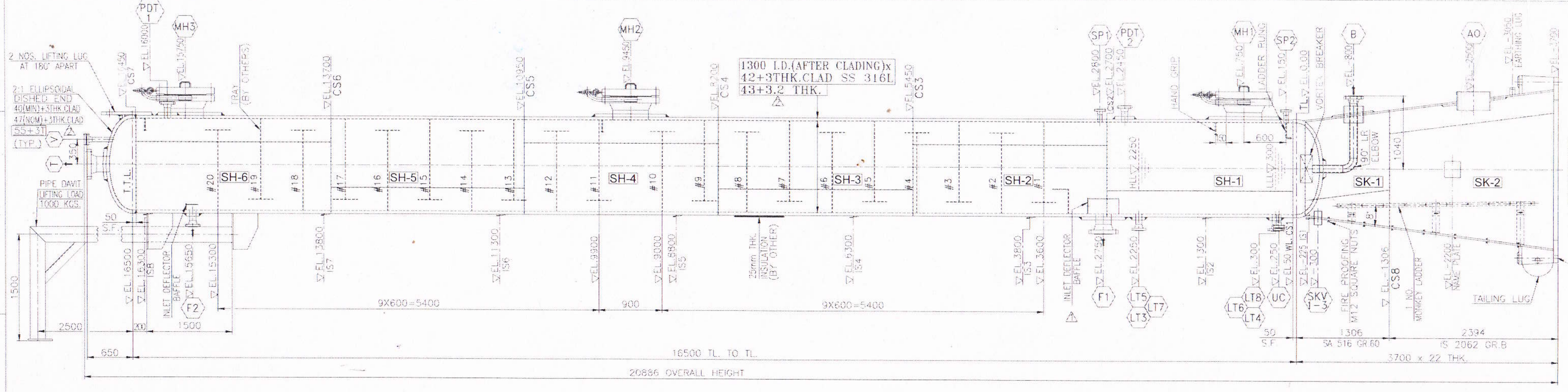

ELEVATION
(SCALE-1:40)

REFERENCE SPECIFICATION & STANDARDS

EIL STANDARDS & SPECS

	NO:	DESCRIPTION		NO:	DESCRIPTION
X	6-12-0001	GENERAL SPEC FOR PR. VESSELS	X	7-12-0020	INLET DEFLECTOR BAFFLE
X	6-12-0002	SUPPL. SPEC FOR C.S. VESSELS	X	7-12-0021	SUPPORT RING & BOLTING BAR
X	6-12-0011	STD SPEC FOR B.Q.C.S PLATES	X	7-12-0023	PIPE DAVIT
X	6-12-0014	STD SPEC FOR STRL. QTY. PLATES	X	7-12-0024	LIFTING LUG TOP HEAD TYPE
X	7-12-0001	VESSEL TOLERANCES	X	7-12-0025	FIRE PROOFING & INSULATION SUPP.
X	7-12-0004	SKIRT BASE DETAILS	X	7-12-0026	EARTHING LUG
X	7-12-0005	SKIRT OPENING DETAILS	X	7-12-0027	NAME PLATE
X	7-12-0010	MANHOLE WITH DAVIT	X	7-12-0028	MANUFACTURE NAME PLATE
X	7-12-0011	LADDER RUNGS FOR MANHOLE/DEMISTER	X	7-12-0029	BRACKET FOR NAME PLATE
X	7-12-0013	NOZZ. REINFORCEMENT & PROJ.	X	VESSEL DESIGN DATA	6907-051-16-46-3004 REV-0
X	7-12-0015	STD. BOLT HOLE ORIENTATIONS	X	NOZZLE ORIENTATION	6907-051-16-43-3102 REV-0
X	7-12-0019	VORTEX BREAKERS	X	LADDER PLATFORM CLEATS	6907-051-16-48-0701 REV-D
X	6907-0642-PT-L07	JOB SPEC.FOR SHOP & FIELD PAINTING	X	PIPE SUPPORT CLEATS	6907-051-16-43-3051 REV-3
X	6907-112-16-46-ST-0038	ALLOWABLE NOZZLE LOADS	X	TRAY SUPPORT /BOLTING BARS	6907-051-16-46-4046 REV-0

MATERIAL OF CONSTRUCTION

SHELL/HEADS ⚠	SA 516 GR.60 + SS 316L CLAD
SKIRT	SA 516 GR.60 & IS 2062 GR.B
NOZZLE NECK UPTO 50 NB ⚠	SA 312 TP.316L
NOZZLE NECK 80 NB TO 100 NB	SA 106 GR.B+SS 316L W.O.
NOZZLE NECK 150 NB & ABOVE	SA 516 GR.60 + SS 316L CLAD
ELBOW/FITTINGS	SA 234WPB + SS 316L W.O.
NOZZLE FLANGES UPTO 50 NB	SA 182 GR.F 316L ⚠
NOZZLE FLANGES/BLINDS ABOVE 50 NB	SA 105 + SS 316L W.O.
R.F. PADS	SA 516 GR.60
INTERNAL WELDED ATTACHMENTS ⚠	SA 240 GR.316L/SA 312 TP.316L
EXTERNAL STUD-BOLT & NUTS	SA 193 GR B7/SA 194 GR 2H
GASKETS EXTERNAL ⚠	SPWD GASKET WITH SS 316L METAL WINDING & GRAPHIL FILLER WITH SS316L INNER RING AND CS OUTER RING AS PER ASME B16.20
BASE RINGS,GUSSETS	IS 2062 GR.B
TAILING & EARTHING LUG	IS 2062 GR.B
LIFTING LUGS	SA 516 GR.60
CLIPS & ATTACHMENTS DIRECTLY WELDED (EXTERNAL)	SA 516 GR.60
CLIPS & ATTACHMENTS WELDED OVER PAD (EXTERNAL)	IS 2062 GR.B

FOUNDATION LOADING DATA (OPERATING CONDITION)

TYPE	MAX MOMENT AT BASE (m)	(kgm)	MAX SHEAR FORCE AT BASE (H)	(kg)
SEISMIC	DBE	484390	DBE	34400
	MCE	723400	MCE	52500
WIND	97700		6900	

DESIGN DATA

DESIGN CODE : ASME SEC. VIII DIV.1 2007 + ADDENDA

DESIGN PRESSURE	Kg/cm^2g	INTERNAL:65(TOP)/65.5(BOTTOM)EXT-F.V.
DESIGN TEMPERATURE	°C	75
OPERATING PRESSURE	Kg/cm^2g	INTERNAL:53.4(TOP)/53.9(BOTTOM)
OPERATING TEMPERATURE	°C	59.4(TOP)/58(BOTTOM)
HYDRO TEST PRESSURE (NEW/COLD)	Kg/cm^2g	HORIZONTAL 85.15 (AT TOP)
MIN. DESIGN METAL TEMP.	°C	4
CORROSION ALLOWANCES	mm	NIL(3mm CLAD)
TYPE OF HEADS		2:1 ELLIPSODICAL
RADIOGRAPHY		SHELL: 100% ;HEAD:SINGLE PIECE
JOINT EFFICIENCY		SHELL : 1.0 ; HEAD : 1.0
POST WELD HEAT TREATMENT		YES (COMPLETE VESSEL) NOTE-13 & 24 ⚠
HEAT TREATMENT		HEAD (NOTE-20)
WIND SPECIFICATION		IS : 875
EARTH QUAKE SPECIFICATION		SITE SPECTRA
CAPACITY	M^3	22.5
INSULATION THICKNESS	mm	25 SAFETY
FIRE PROOFING	mm	YES
INSPECTION		DNV-GL
ERECTION WEIGHT	Kgs	~36800
OPERATING WEIGHT	Kgs	~83700
HYDRO TEST WEIGHT (SHOP-FIELD)	Kgs	~59200-73600
PAINTING / CLEANING		(NOTE-19)
MFGRS. SERIAL NO. (MSN)		TPE983-01

DNV

AS BUILT

@1-26+3.2 THK. ⚠ ⚠

@3 MM SS 316L CLAD (OR) 3MM WELD OVERLAY.

NOZZLE SCHEDULE

MARK	SERVICE	QTY.	SIZE NOZZLES(NB)	SCH/THK ⚠	CLASS/TYPE, FACING FLANGES	SEE NOTE-4 NOZZ.PROJ.	W x THK R.F.PAD	REMARKS
SKV(1-3)	SKIRT VENT	3	100	SCH.40	AS PER EIL STD.		-	
AO	ACCESS OPENING	1	450 I.D.	14 THK.	AS PER EIL STD.		225X22	
PDT-2	DIASEAL DIFF.PRESS.TRANSMITTER	1	80	XXS+@	600#/ASME B16.5 WNRF	890	95X42	
PDT-1	DIASEAL DIFF.PRESS.TRANSMITTER	1	80	XXS+@	600#/ASME B16.5 WNRF	890	45X42	
MH(1-3)	MANHOLE + DAVIT+BF	3	500	22THK.+@[@1]	600#/ASME B16.5 WNRF	990	250X42	
SP(1-2)	STAND PIPE	2	50	SCH.80S ⚠	600#/ASME B16.5 WNRF	840	--	
LT(3-8)	LEVEL TRANSMITTER	6	80	XXS+@	600#/ASME B16.5 WNRF	890	45X42	
UC	UTILITY CONNECTION+BF	1	50	SCH.80S	600#/ASME B16.5 WNRF	840	-	
V	VENT + BF	1	50	SCH.80S	600#/ASME B16.5 WNRF	SEE DRG.	-	
T	TOP OUTLET	1	200	24THK.+@[@1]	600#/ASME B16.5 WNRF	SEE DRG.	110X42	
B	BOTTOM OUTLET	1	100	SCH 160+@ ⚠	600#/ASME B16.5 WNRF	SEE DRG.	60X42	
F2	FEED	1	80	XXS+@	600#/ASME B16.5 WNRF	890	45X42	
F1	FEED	1	200	24THK.+@[@1]	600#/ASME B16.5 WNRF	940	200X42	

REFERENCE DRAWING

TITLE	DOC./DWG. NO.
PLATFORM,LADDER & PIPE SUPP.CLEAT DETAILS	TPE983-1412-08
SURFACE DEVELOPMENT	TPE983-1412-07
TSR & BOLTING BAR DETAILS	TPE983-1412-06
MANHOLE DAVIT & OTHER DETAILS	TPE983-1412-05
NOZZLE & OTHER DETAILS	TPE983-1412-04
BODY & OTHER DETAILS	TPE983-1412-03
ORIENTATION & GENERAL NOTES	TPE983-1412-02

REVISIONS

REV. NO.	DESCRIPTION	DRAWN	CHK	APPD	DATE
2	AS BUILT DRG	ARS	VS/PG	SGM	21.02.2022
1	REVISED AS PER COMMENTS	MDY	VS/PG	SGM	13.09.2021
0	ISSUED FOR APPROVAL	ABM	VS/PG	SGM	23.06.2021

BCPL RFQ NO: BCPL/C&P/LA20C058ND/3785 DATE.01.03.2021

OWNER
BRAHMAPUTRA CRACKER & POLYMER LIMITED
LAKWA, ASSAM (INDIA)

MANUFACTURED BY :
[illegible]
AN ISO 9001 CERTIFIED COMPANY.
ENGG/ADMIN: R-261, MIDC RABALE, THANE-BELAPUR ROAD, NAVI MUMBAI-400 701 INDIA.

TITLE:
GENERAL ASSEMBLY FOR
ABSORBER
ITEM NO: 051-CC-101

PO NO.:BCPL/C&P/03918/LA20C058ND/5100003479 DATE : 15.06.2021 SCALE - 1:40

JOB No.	DRAWING No.	REV.
T983	TPE983-1412-01	2

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