

MATERIAL OF CONSTRUCTION				
S/L NO.	DESCRIPTION	MATERIAL REFERENCE	MATERIAL SPECIFICATION	
1.	SHIEL D'END, RF/PD, INSERT PLATE	BQ PLATE CS	SA 516 GR.70 N	
2.	FLANGES	FORGED STEEL	SA 105 N	
3.	SADDLE WRAPPER PL.,	BQ PLATE (CS)	SA 516 GR.70 N	
4.	SADDLE SUPPORT	CS	SA 516 GR.70 N	
5.	PAID FOR EXTERNAL ATTACHMENT	BQ PLATE (CS)	SA 516 GR.70 N	
6.	CASKET	SPRd WOUND CASKET WITH SS 316 METAL WINDING & GRAPHOL AS PER ASME B16.20 FILLER MATERIAL WITH CS OUTER RING & SS 316 INNER RING		C
7.	EXTERNAL BOLTS/NUTS	ALLOY STEEL	SA193 GR.87M/SA194 GR.214M	
8.	INTERNAL BOLTS/NUTS	STAINLESS STEEL	SS 304L	
9.	PIPE FITTINGS	CS	SA 234 GR.WPB (SEAMLESS)	
10.	EXTERNAL ATTACHMENT PADS	BQ PLATE (CS)	SA 516 GR.70 N	
11.	NOZZLES NECK UP TO 300NB	CS	SA 106 GR.B	
12.	NOZZLES NECK ABOVE TO 300NB	BQ PLATE (CS)	SA 516 GR.70 N	
13.	SUPPORT / SUPPORT BASE	BQ PLATE (CS)	SA 516 GR.70 N	
14.	SLIDING PLATE	STAINLESS STEEL	SS 304 (WITH TEFLON EMBEDDED COATING)	
15.	INTERNAL PARTS (WELDED)	BQ PLATE (CS)	SA 516 GR.70 N	
16.	INTERNAL PARTS (BOLTED)	STAINLESS STEEL	SS 304L	
17.	WRAPPER PLATE	BQ PLATE (CS)	SA 516 GR.70 N	
18.	WIRE MESH	STAINLESS STEEL	SS 316L	
19.	INTERNAL LINING	-	AS PER SPEC.	
20.	VACUUM STIFFENER	BQ PLATE (CS)	SA 516 GR.70 N	
21.	LIFTING LUG	BQ PLATE (CS)	SA 516 GR.70 N	
22.	CATALYST SUPPORT GRID/RING/BAM/BEAM SEAT	STAINLESS STEEL	SS 304L	
23.	ANCHORS FOR LINING	STAINLESS STEEL	SS	


VENDOR SHALL CHANGE THE BHEI DOCUMENT NUMBER, COLD DOCUMENT NUMBER AND DRAWING DOCUMENT TITLE WITH W.R.T AND CONVERTOR (038-R-002).


REFERENCE DRAWING LIST		
SHEL DOCUMENT NUMBER	CLIENT DOCUMENT NO.	DRAWING / DOCUMENT TITLE
1-PM-100-00247	080557C-26899053-PE-A3001-007	GENERAL ASSEMBLY OF 1ST CONVERTER
1-PM-100-00249	080557C-26899053-PE-A1103-079	ADDITIONAL DETAIL OF 1ST CONVERTER
1-PM-100-00251	080557C-26899053-PE-A1103-080	EXTERNAL CLEAT DETAILS OF 1ST CONVERTER
1-PM-100-00252	080557C-26899053-PE-A1103-081	INSULATION CLEAT DETAILS OF 1ST CONVERTER
1-PM-100-00316	080557C-26899053-PE-A1103-082	MH DWT DETAILS OF 1ST CONVERTER
1-PM-100-00223	080557C-26899053-PE-A1103-083	SHELL DEVELOPMENT OF 1ST CONVERTER
1-PM-100-00224	080557C-26899053-PE-A1103-085	GENERAL NOTES OF 1ST CONVERTER
1-PM-100-00330	080557C-26899053-PE-A1103-088	DETAILS OF NAME PLATE OF 1ST CONVERTER
1-PM-100-00225	080557C-26899053-PE-A1103-087	DETAILS OF INTERNALS OF 1ST CONVERTER
1-PM-100-00332	080557C-26899053-PE-A5007-007	LIST OF SPARES OF 1ST CONVERTER
1-PM-100-00333	080557C-26899053-PE-A1103-088	DETAILS OF TRANSPORTATION OF 1ST CONVERTER
1-PM-100-00075	080557C-26899053-PE-A0121-013	DESIGN CALCULATIONS OF 1ST CONVERTER
1-PM-100-00228	080557C-26899053-PE-A1103-089	DETAILS OF PLATFORMS FOR 1ST CONVERTER
1-PM-100-00229	080557C-26899053-PE-A1103-090	GRATING DETAILS FOR 1ST CONVERTER
1-PM-100-00336	080557C-26899053-PE-A2010-013	DETAILS OF FOUNDATION TEMPLATE FOR 1ST CONVERTER
1-PM-100-00337	080557C-26899053-PE-A2010-014	DETAILS OF ANCHOR BOLTS FOR 1ST CONVERTER



THIS DRAWING SHALL BE READ IN CONTINUATION WITH THE ABOVE DRAWINGS


90.7
 90.7
 Mx
 (M)
 BASE
 EIL RA NO. 0300-000-KA-MA-0110-0001-KAY-Y


DOCUMENT CATEGORY		DOCUMENT REVIEW STATUS (BY CLIENT)
(USE " X " MARK)		CODE-2
-	<input type="checkbox"/> APPROVAL	
-	<input checked="" type="checkbox"/> REVIEW	
-	<input type="checkbox"/> INFORMATION	

	CLIENT	 IndianOil	INDIAN OIL CORPORATION LIMITED PARADIP REFINERY PROJECT PARADIP, ORISSA	G
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REFRACT UNE-75mm	CONSULTANT	 TECHNIP INDIA LIMITED
		505 4RD STANDBY SPU PROJECT

PROJECT		525 1FD STANDBY SRC PROJECT IOCL PARADIP REFINERY, ODISHA, INDIA				
 BHARAT HEAVY ELECTRICALS LTD.		DRN.	NAME	SIGN.	DATE	NO.OF VAR.
			RINA		13.08.21	

LIMITED		VISAKHAPATNAM				CHKD.	SATISH.D	13.08.21
						APPD.	SATISH.D	13.08.21
	DEPT.	UNIT	DIMS	SCALE	WEIGHT (KG)	REF. TO ASSY. DRG.	ITEM NO.	NO.OF

HPVP CODE.	UNICEF DRUGS GR. C/M/F		SCALE 1:10	MEASUREMENT (mm) -N.A.-	REF. TO MEAS. DRG. -N.A.-	ITEMS 008-R-002	1 No.
TITLE				CARD	BHEL DRG NO. 1-PV-100-U0232		REV.

NTS	GENERAL ASSEMBLY OF 2ND CONVERTER (088-R-002)		CODE	CUST DRG NO. 080557C-26899053-PYE-A2001-008	2
			N.A.	SHT. No 1	NO. OF SHT. 1
	10	11		12	

ESP-001-11A

