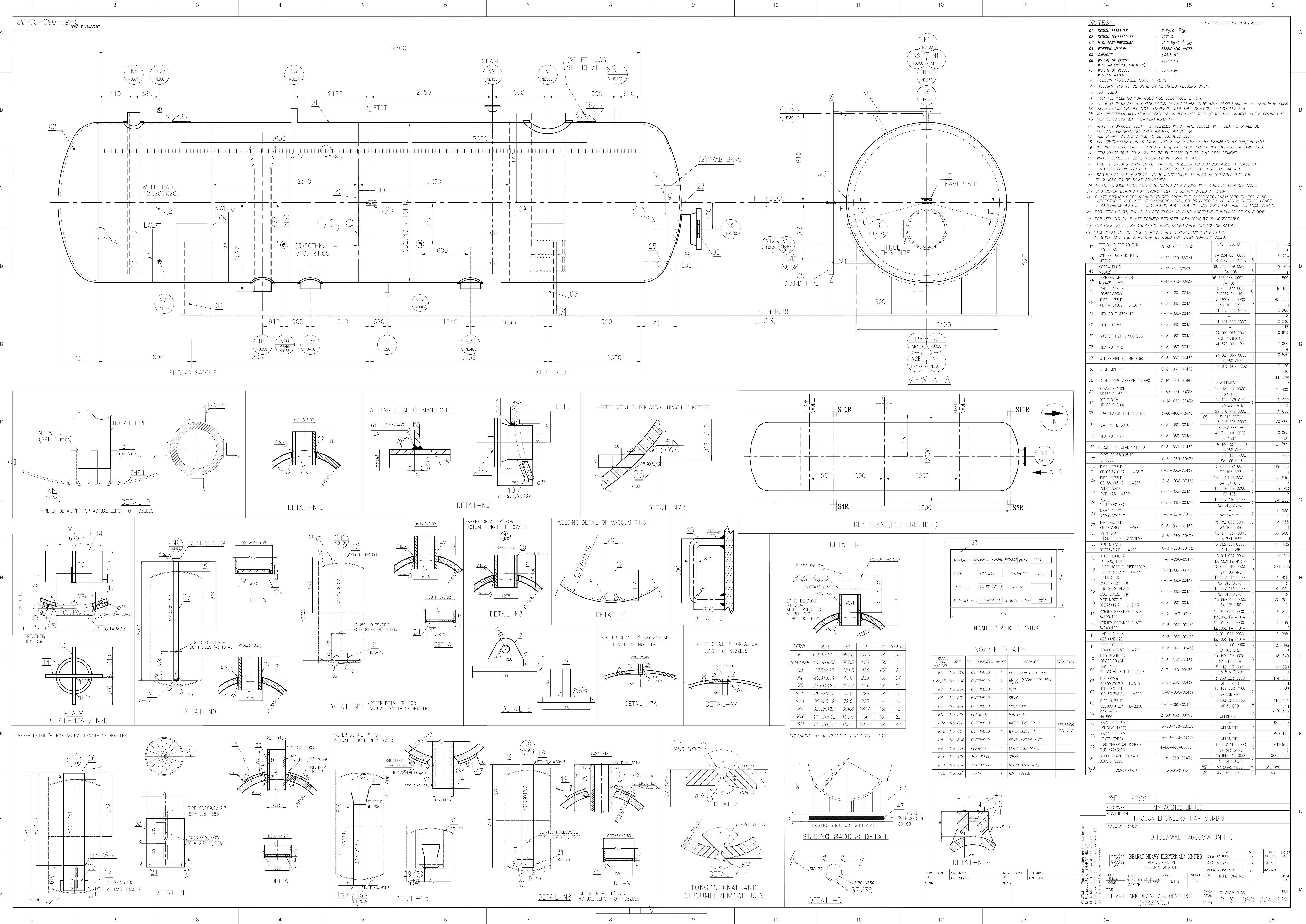




- NOTES:-**
- 01 DESIGN PRESSURE : 7 Kg/cm² (g)
 - 02 DESIGN TEMPERATURE : 177° C
 - 03 HYD. TEST PRESSURE : 10.5 Kg/cm² (g)
 - 04 WORKING MEDIUM : STEAM AND WATER
 - 05 CAPACITY : 5516 M³
 - 06 WEIGHT OF VESSEL : 75750 Kg
 - 07 WEIGHT OF VESSEL WITHOUT WATER : 17000 kg
 - 08 FOLLOW APPLICABLE QUALITY PLAN
 - 09 WELDING HAS TO BE DONE BY CERTIFIED WELDERS ONLY.
 - 10 NOT USED
 - 11 FOR ALL WELDING PURPOSES USE ELECTRODE E 7018.
 - 12 ALL BUTT WELDS ARE FULL PENETRATION WELDS AND ARE TO BE BACK CHIPPED AND WELDED FROM BOTH SIDES.
 - 13 WELD SEAMS SHOULD NOT INTERFERE WITH THE LOCATION OF NOZZLES Etc.
 - 14 NO LONGITUDINAL WELD SEAM SHOULD FALL IN THE LOWER THIRD OF THE TANK AS WELL ON TOP CENTRE LINE
 - 15 FOR DISHED END HEAT TREATMENT REFER QP
 - 16 AFTER HYDRAULIC TEST THE NOZZLES WHICH ARE CLOSED WITH BLANKS SHALL BE CUT AND FINISHED SUITABLY AS PER DETAIL -R
 - 17 ALL SHARP CORNERS ARE TO BE ROUNDED OFF.
 - 18 ALL CIRCUMFERENTIAL & LONGITUDINAL WELD ARE TO BE EXAMINED BY MPI/UT TEST
 - 19 THE WATER LEVEL CONNECTION N7A & N7B SHALL BE WELDED SO THAT THEY ARE IN SAME PLANE
 - 20 ITEM No. 39, 36, 31, 29 & 24 TO BE SUITABLY CUT TO SUIT REQUIREMENT.
 - 21 WATER LEVEL GAUGE IS RELEASED IN PGMA 81-412.
 - 22 USE OF SA106GR60 MATERIAL FOR PIPE NOZZLES ALSO ACCEPTABLE IN PLACE OF SA106GR60/APISLGR60 BUT THE THICKNESS SHOULD BE EQUAL OR HIGHER.
 - 23 SA515G70 & SA516G70 INTERCHANGEABILITY IS ALSO ACCEPTABLE BUT THE THICKNESS TO BE SAME OR HIGHER.
 - 24 PLATE FORMED PIPES FOR SIZE NB400 AND ABOVE WITH 100% RT IS ACCEPTABLE.
 - 25 END COVER/BLANKS FOR HYDRO TEST TO BE ARRANGED AT SHOP
 - 26 PLATE FORMED PIPES MANUFACTURED FROM SA515G70/SA516G70 PLATES ALSO ACCEPTABLE IN PLACE OF SA106GR60/APISLGR60 PROVIDED D1 VALUES & OVERALL LENGTH IS MAINTAINED AS PER THE DRAWING AND 100% RT TEST DONE FOR ALL THE WELD JOINTS.
 - 27 FOR ITEM NO. 33, BW IR 90 DEG ELBOW IS ALSO ACCEPTABLE IN PLACE OF SW ELBOW
 - 28 FOR ITEM NO. 21, PLATE FORMED REDUCER WITH 100% RT IS ACCEPTABLE.
 - 29 FOR ITEM NO. 34, SA515G70 IS ALSO ACCEPTABLE IN PLACE OF SA105
 - 30 ITEM SHALL BE CUT AND REMOVED AFTER PERFORMING HYDROTEST AT SHOP AND THE SAME CAN BE USED FOR CUST NO-7271 ALSO.

47	TEFLON SHEET 20 THK 150 X 150	0-81-060-00432	97PMTELON01	0.1	470
46	COPPER PACKING RING M33x2	4-80-400-58724	94 824 001 0000 IS:2062 Fe 410 A SA 105	0	910
45	SCREW PLUG M33x2	4-80-401 37697	96 353 339 0000 SA 105	0	800
44	TEMPERATURE STUB M33x2 L=45	0-81-060-00432	96 353 344 0000 SA 105	0	1500
43	PAD PLATE-8 00500/0300	0-81-060-00432	15 011 027 0000 IS:2062 Fe 410 A	6	492
42	PIPE NOZZLE 00114.3x6.02 L=2817	0-81-060-00432	15 182 090 0000 SA 106 GRB	45	289
41	HEX BOLT M30X140	0-81-060-00432	41 215 301 4000	0	968
40	HEX NUT M30	0-81-060-00432	41 301 000 3000	0	230
39	GASKET 1.5THK 500X500	0-81-060-00432	NON ASBESTOS	0	618
38	HEX NUT M12	0-81-060-00432	41 320 000 1201	1	000
37	U ROD PIPE CLAMP NB80	0-81-060-00432	94 821 068 0000 SA 106 GRB	0	530
36	STUD M20X200	0-81-060-00432	94 822 202 0600	0	420
35	STAND PIPE ASSEMBLY NB80	3-81-060-02887	WELDMENT	44	208
34	BLANK FLANGE NB150 CL150	4-80-999-93008	92 518 307 0000 SA 105	11	500
33	90° ELBOW NB 80 CL3000	0-81-060-00432	92 104 429 0200 SA 234 WFB	2	020
32	SOW FLANGE NB150 CL150	3-80-400-12475	92 518 749 0000 SA515 GR70	7	000
31	ISA-75 L=3000	0-81-060-00432	15 013 005 0000 IS2062 FE410W	20	400
30	HEX NUT M20	0-81-060-00432	IS 1367	0	065
29	U ROD PIPE CLAMP NB250	0-81-060-00432	94 821 059 0000 IS2062 GRB	2	500
28	PIPE OD 88.9X5.49 L=3000	0-81-060-00432	15 082 138 0000 SA 106 GRB	33	900
27	PIPE NOZZLE OD168.3x10.97 L=2817	0-81-060-00432	15 082 237 6000 SA 106 GRB	119	890
26	PIPE NOZZLE OD 88.9X5.49 L=225	0-81-060-00432	15 182 128 0001 SA 106 GRB	2	540
25	GRAB BARS ROD #25, L=800	0-81-060-00432	15 339 139 0000 SA 105	3	080
24	PLATE 12X1000X1000	0-81-060-00432	15 942 110 0000 SA 515 GR 70	94	200
23	NAME PLATE ARRANGEMENT	3-81-031-00015	WELDMENT	3	860
22	PIPE NOZZLE 00114.3x6.02 L=500	0-81-060-00432	15 182 090 0000 SA 106 GRB	8	035
21	REDUCER OD457.2x12.7/273x9.27	0-81-060-00432	92 517 957 0000 SA 234 WFB	38	600
20	PIPE NOZZLE 00273x9.27 L=425	0-81-060-00432	15 082 501 0000 SA 106 GRB	25	632
19	PAD PLATE-8 00500/0344	0-81-060-00432	15 011 027 0000 IS:2062 Fe 410 A	6	492
18	PIPE NOZZLE (DISPENSER) 00323.9x12.7 L=2817	0-81-060-00432	15 082 512 0000 SA 106 GRB	274	545
17	LIFTING LUG 250x160x25 THK.	0-81-060-00432	15 942 114 0000 SA 515 GR 70	7	850
16	VAC. RING PL 20THK X 114 X 9000	0-81-060-00432	15 942 114 0000 SA 515 GR 70	8	831
15	PIPE NOZZLE 00273x12.7 L=2113	0-81-060-00432	15 982 438 0000 SA 106 GRB	172	252
14	VORTEX BREAKER PLATE 8x890x100	0-81-060-00432	15 011 027 0000 IS:2062 Fe 410 A	4	333
13	VORTEX BREAKER PLATE 8x340x100	0-81-060-00432	15 011 027 0000 IS:2062 Fe 410 A	2	135
12	PAD PLATE-8 00600/0420	0-81-060-00432	15 011 027 0000 IS:2062 Fe 410 A	9	055
11	PIPE NOZZLE 00406.4x9.53 L=291	0-81-060-00432	15 082 551 0000 SA 106 GRB	27	142
10	PAD PLATE-12 00800/0264	0-81-060-00432	15 942 110 0000 SA 515 GR 70	18	540
09	VAC. RING PL 20THK X 114 X 9000	0-81-060-00432	15 942 113 0000 SA 515 GR 70	161	080
08	DISPENSER 00609.6x12.7 L=610	0-81-060-00432	15 938 223 0000 APISL GRB	1	027
07	PIPE NOZZLE OD 60.3x5.54 L=225	0-81-060-00432	15 182 032 0000 SA 106 GRB	1	683
06	PIPE NOZZLE 00609.6x12.7 L=2230	0-81-060-00432	15 938 223 0000 APISL GRB	416	854
05	NB 500	2-80-468-09950	WELDMENT	1	1
04	SADDLE SUPPORT (SLIDING TYPE)	3-80-468-28325	WELDMENT	0	905
03	SADDLE SUPPORT (FIXED TYPE)	3-80-468-28772	WELDMENT	0	908
02	TOR SPHERICAL DISHED END #2743x20	4-80-468-68687	15 942 113 0000 SA 515 GR 70	144	965
01	SHELL PLATE THK=16 8565 X 9296	0-81-060-00432	15 942 112 0000 SA 515 GR 70	10000	272
ITEM NO.	DESCRIPTION	DRAWING NO.	MATERIAL SPEC.	UNIT	QTY.

CUST NO.	7288		
CUSTOMER	MAHAGENCO LIMITED		
CONSULTANT	PROCON ENGINEERS, NAVI MUMBAI		
NAME OF PROJECT:	BHUSAWAL 1X660MW UNIT 6		
DEPT	DESIGN	NAME	DATE
GRADE	INTD. ENGR	CHD	30.05.18
CODE	C/M/P	APPD	30.05.18
SCALE	N.T.S	REFER DRG NO.	
WEIGHT (KG)	-		
CARD CODE	U 01	PC DRAWING NO.	0-81-060-00432
FLASH TANK DRAIN TANK 002743X16 (HORIZONTAL)			