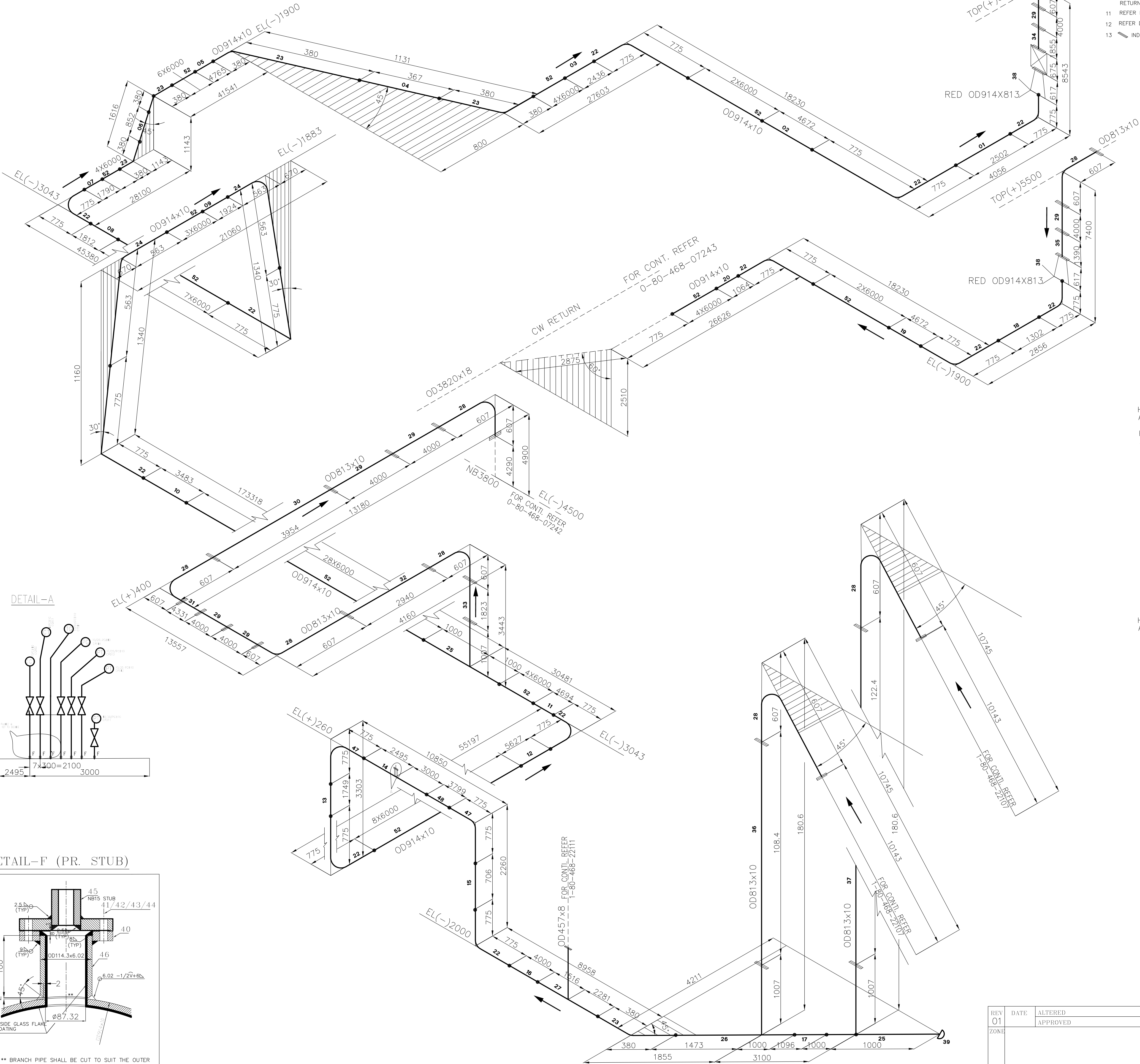


1-80-468-22053

DRAWING No.



- 08 • INDICATES 2mm SITE WELD GAP
- 09 GLASS FLAKE COATING SHALL BE CARRIED OUT AFTER WELDING THE STUBS AND ATTACHMENT WHEREVER APPLICABLE.
- 10 FOR ERECTION,THIS DRAWING IS TO BE READ ALONG WITH PEM-DRAWING NO: PE-DG-412-165-M001 GENERAL ARRANGEMENT OF CW SUPPLY AND RETURN PIPING & PE-DG-412-165-M002 LAYOUT OF CW & ACW PIPING. REFER DRG NO-4-80-468-81178 FOR PRODUCTION.
- 11 REFER DRG NO-4-80-468-81178 FOR SHOP COATING DETAIL NEAR BEVEL END
- 12 REFER DRG NO-4-80-468-81177 FOR SHOP COATING DETAIL NEAR BEVEL END
- 13 INDICATES FLANGED CONNECTION.

NOTES: —

01 DESIGN PRESSURE : 8 Kg./Cm²(g)

02 DESIGN TEMPERATURE : 60° C

03 WORKING MEDIUM : SEA WATER

04 HYDRO TEST PRESSURE : 12 Kg./Cm²(g)

05 FOR ERECTION WELDING SCHEDULE REFER DRG No. 4-80-468-81667

06 PAINTING/COATING SHALL BE AS PER APPROVED PAINTING SCHEDULE & QP.

07 PIPE EDGE PREPARATION & ELECTRODE DETAILS ARE AS FOLLOWS UNLESS OTHERWISE INDICATED

PIPE SIZE ODxT	MATERIAL SPECN.	WT. Kg/M	EP AS PER 4-80-468-81178 OF STD	RADIUS OF BEND	WELD SPECN.	ELECTRODE ROOT RUN	SPECN. FURTHER RUN
OD914X10	IS3589-410MPA	222.989	D	894	R=0.75D	10 °	E7018 E7018

52	PIPE OD914X10 L=6000 MM GLASS FLAKE COATING (UG)	1-80-468-22053	15 938 583 0000	IS 3589-410MPA	1352 400	
51	RUBBER GASKET NB800	1-80-468-22053	----	----	0 500	
50	NUT M36 (SS)	1-80-468-22053	----	SS	784	
49	BOLT M36 X 180 (SS)	1-80-468-22053	----	SS	784	
48	PIPE OD914X10 L=3799MM GF COATING (OG)	1-80-468-22053	15 211 098 0000	IS 2062 FE 410A	856 295	
47	90DEG MITRE BEND NB900 GF COATING (OG)	3-80-468-34109	15 211 098 0000	IS 2062 FE 410A	292 491	
46	BRANCH PIPE OD114.3x6.02 L=100	1-80-468-22053	15 082 490 0000	SA106GRB	1 607	
45	BRANCH PIPE OD21.3x2.77 L=5M	1-80-468-22053	15 455 004 6000	SA790 S32205	6 330	
44	RUBBER GASKET NB100	1-80-468-22053	----	----	0 500	
43	NUT M16 (SS)	1-80-468-22053	----	SS	56	
42	BOLT M16 X80 (SS)	1-80-468-22053	----	SS	56	
41	BLANK FLANGE NB100 CL150 FOR PRESSURE STUB (DSS)	4-80-468-81463	----	SA815 S32205	7 370	
40	FLAT FACED FLANGE NB100 CL150 CS	4-80-468-81450	15 011 081 0000	IS 2062 E250B	5 450	
39	TORI SPHERICAL DISHED END OD914X10 GF COAT(UG)	4-80-468-81690	15 211 098 0000	IS 2062 FE 410A	112 400	
38	PF RED OD914X813 WITH FLANGES GF COATING (UG)	3-80-468-34003	----	WELDMENT	695 250	
37	PIPE OD813X10 L=XXXXMM GLASS FLAKE COATING(UG)	3-80-468-34002	----	WELDMENT	695 250	
36	PIPE OD813X10 L=XXXXMM GLASS FLAKE COATING(UG)	3-80-468-34002	----	WELDMENT	695 250	
35	PIPE OD813X10 L=1390MM GLASS FLAKE COATING (OG)	3-80-468-34002	12	WELDMENT	467 339	
34	PIPE OD813X10 L=1855MM GLASS FLAKE COATING (OG)	3-80-468-34002	11	WELDMENT	559 341	
33	PIPE OD813X10 L=1823MM GLASS FLAKE COATING (UG)	3-80-468-34002	10	WELDMENT	552 904	
32	PIPE OD813X10 L=2940MM GLASS FLAKE COATING (OG)	3-80-468-34002	09	WELDMENT	774 038	
31	PIPE OD813X10 L=4331MM GLASS FLAKE COATING (OG)	3-80-468-34002	08	WELDMENT	1049 338	
30	PIPE OD813X10 L=3954MM GLASS FLAKE COATING (OG)	3-80-468-34002	07	WELDMENT	973 978	
29	PIPE OD813X10 L=4000MM GLASS FLAKE COATING(OG)	3-80-468-34002	01	WELDMENT	983 869	
28	90DEG MITRE BEND NB800 WITH FLANGES GF COAT(OG)	3-80-468-34000	----	WELDMENT	392 136	
27	UNEQT OD914X457 WITH FLANGE GF COAT (UG)	3-80-468-33999	----	WELDMENT	695 250	
26	UNEQT OD914X813 WITH FLANGE GF COAT (UG)	3-80-468-34005	----	WELDMENT	1056 061	
25	UNEQT OD914X813 WITH FLANGE GF COAT (UG)	3-80-468-33998	----	WELDMENT	695 250	
24	60DEG MITRE BEND NB900 GF COAT (UG)	3-80-468-34007	15 211 098 0000	IS 2062 FE 410A	1212 400	
23	45DEG MITRE BEND NB900 GF COAT (UG)	3-80-468-33997	15 211 098 0000	IS 2062 FE 410A	168 461	
22	90DEG MITRE BEND NB900 GF COAT (UG)	3-80-468-33996	15 211 098 0000	IS 2062 FE 410A	292 491	
21	PIPE OD914X10 L=6000 MM GLASS FLAKE COAT (UG)	1-80-468-22052	15 938 583 0000	IS 3589-410MPA	1352 400	
15-20	PIPE OD914X10 L=12.840 M GLASS FLAKE COATING (UG)	1-80-468-22053	15 938 583 0000	IS 3589-410MPA	477 196	
14	PIPE OD914X10 L=5.495M GLASS FLAKE COATING (OG)	1-80-468-22053	15 938 583 0000	IS 3589-410MPA	1238 573	
01-13	PIPE OD914X10 L=36.673 M GLASS FLAKE COATING (UG)	1-80-468-22053	15 938 583 0000	IS 3589-410MPA	629 051	

D U NO	ITEM NO.	DESCRIPTION	STD	DRAWING NO.	ITEM NO. VAR NO.	MATL CODE	MATL SPECN	A UNIT C	UNIT WT. QTY.	G/Z	ZONE
CUST NO.		7273						REL NO.			
CUSTOMER		TAMILNADU GENERATION & DISTRIBUTION CORPORATION LTD									
CONSULTANT		DESEIN PRIVATE LIMITED, DESEIN HOUSE, NEW DELHI									
NAME OF PROJECT.		2x660MW ENNORE SEZ SUPERCritical THERMAL POWER PROJECT AT ASH DYKE OF NCTPS,CHENNAI									
BHARAT HEAVY ELECTRICALS LIMITED		DRN BABU		SIGN -Sd-		DATE 27.10.17		NO.OF VAR.			
PIPING CENTRE CHENNAI 600 017		CHD P.SURESH		SIGN -Sd-		DATE 27.10.17		NO.OF VAR.			
APPD SESHAGIRI		SIGN -Sd-		DATE 27.10.17		NO.OF VAR.		NO.OF VAR.			
DEPT ENGG. CODE		GRADE OF UNTOOL DIM C/M/F		SCALE N.T.S		WEIGHT (KG) ---		REFER DRG No.		ITEM No.	
TITLE ACW PIPING FROM PUMP HOUSE TO A-ROW FOR UNIT 2		CARD CODE U 01		PC DRAWING NO. 1-80-468-22053		REV 00		REV 00			

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