



PART NO.	QTY. IN NOS.	DESCRIPTION	SUPPLIER	REMARKS	DRAWING NO.
01	02	ANCHORING PIPE ASSY.	B.H.E.L. HARDWARE	FOR L P GENERATOR PEDESTAL	0-13100-P8152
02	04	ANCHORING ASSY.	"	GRIDER SUPPORT FRONT PLATE	"
03	01	PROTECTING PIPE	"	LP FRONT END	"
04	01	PROTECTING PIPE	"	LP REAR END	"
05	04	PIPE ID min 140 L=3500	PSNR,BHEL	FOR ANCHOR BOLTS	"
06	04	PIPE ID min 160 L=3500	"	FOR ANCHOR BOLTS	"
07	04	PIPE ID min 150 L=3275	"	FOR ANCHOR BOLTS	"
08	02	PIPE ID min 150 L=3325	"	FOR ANCHOR BOLTS	"
09	02	PIPE ID min 150 L=3530	"	FOR ANCHOR BOLTS	"
10	06	PIPE ID min 150 L=3325	"	FOR ANCHOR BOLTS	"
11	02	FLAT 100X100X1800	NTPC	RECOMMENDED FOR FIXING OF PIPE SUPPORTS.	1-13100-P8155
12	24	FLAT 100X420X600	"	FOR FIXING OF ANCHOR NUTS	"
13	02	FLAT 100X100X3400	"	RECOMMENDED FOR FIXING OF PIPE SUPPORTS.	"
14	04	FLAT 100X100X2400	"	-DO-	"
15	02	FLAT 100X100X2800	"	-DO-	"
16	04	FLAT 100X100X4500	"	-DO-	"
17	03	FLAT 100X100X3200	"	-DO-	"
18	04	FLAT 100X100X1000	"	-DO-	"
19	01	FLAT 100X100X3950	"	-DO-	"
20	04	PLATE 20X300X300	PSNR,BHEL	FOR ESY-MAINTENANCE SUPPORT	"
21	04	PLATE 20X500X500	NTPC	FOR CROSSOVER PIPE SUPPORT	"
22	02	FLAT 100X100X650	"	RECOMMENDED FOR FIXING OF PIPE SUPPORTS.	"
23	02	FLAT 100X100X3400	"	-DO-	"
24	02	ANGLE 100X100X600	"	-DO-	"
25	02	BEAM ISMB 300X1580	PSNR,BHEL	FOR FIXING OF ESY DURING MAINTEN.	"
26	03	FLAT 100X100X300	NTPC	RECOMMENDED FOR FIXING OF PIPE SUPPORTS.	0-13100-P8152
27	04	FLAT 100X100X1850	"	-DO-	1-13100-P8155
28	02	ANGLE 100X100X1800	"	-DO-	"
29	02	ANGLE 100X100X1750	"	-DO-	"
30	02	T SECTION 100X3175	"	RECOMMENDED FOR FIXING OF PIPING	0-13100-P8152
31	02	T SECTION 100X710	"	SUPPORTS & FIRE PROTECTION	"
32	02	T SECTION 100X1040	"	-DO-	"
33	04	T SECTION 100X1700	"	-DO-	"
34	02	T SECTION 100X1900	"	-DO-	"
35	02	T SECTION 100X1850	"	-DO-	"
36	04	T SECTION 100X1150	"	-DO-	"
37	02	T SECTION 100X2050	"	-DO-	"
38	02	T SECTION 100X1900	"	-DO-	"
39	02	T SECTION 100X7000	"	-DO-	"
40	01	T SECTION 100X2875	"	-DO-	"
41	01	T SECTION 100X700	"	-DO-	"
42	02	T SECTION 100X2375	"	-DO-	"
43	08	PLATE 25X300X300	PSNR,BHEL	FOR CLADDING SUPPORTS	"
44	02	PLATE 25X300X2200	"	-DO-	"
45	02	PLATE 25X300X2500	"	-DO-	"
46	02	PLATE 25X300X2800	"	-DO-	"
47	04	PLATE 100X100X1000	"	RECOMMENDED FOR FIXING OF PIPE SUPPORTS.	0-13100-P8153
48	04	FLAT 100X100X19800	NTPC	-DO-	0-13100-P8154
49	08	FLAT 100X100X1100	"	-DO-	"
50	02	ANGLE 100X100X3400	"	RECOMMENDED FOR FIXING OF PIPE SUPPORTS.	0-13100-P8152
51	02	ANGLE 100X100X10250	"	-DO-	"
52	01	ANGLE 100X100X1400	"	-DO-	"
53	01	ANGLE 100X100X1100	"	-DO-	"
54	01	ANGLE 100X100X2175	"	-DO-	"
55	06	FLAT 100X100X1500	"	-DO-	"

PART NO.	QTY. IN NOS.	DESCRIPTION	REMARKS	DRAWING NO.
56	04	FLAT 100X100X1800	NTPC	RECOMMENDED FOR FIXING OF PIPE SUPPORTS.
57	08	FLAT 100X100X1500	"	DO--
58	04	FLAT 100X100X7000	"	DO--
59	04	FLAT 100X100X1800	"	DO--
60	08	FLAT 100X100X900	"	DO--
61	04	ANGLE 100X100X1850	"	DO--
62	02	ANGLE 100X100X650	"	DO--
63	01	ANGLE 100X100X1800	"	DO--
64	02	ANGLE 100X100X20700	"	DO--
65	04	ANGLE 100X100X3000	"	DO--
66	04	ANGLE 100X100X1700	"	DO--
67	02	ANGLE 100X100X1650	"	DO--
68	01	ANGLE 100X100X2200	"	DO--
69	01	ANGLE 100X100X3200	"	DO--
70	02	ANGLE 100X100X2000	"	DO--
71	04	ANGLE 100X100X1150	"	DO--
72	02	ANGLE 100X100X2050	"	DO--
73	01	ANGLE 100X100X7200	"	DO--
74	01	ANGLE 100X100X2100	"	DO--
75	01	ANGLE 100X100X7200	"	DO--
76	02	FLAT 100X200X950	PSNR,BHEL	FOR FIXING OF ANCHOR NUTS
77	02	ANGLE 100X100X5500	NTPC	RECOMMENDED FOR FIXING OF PIPE SUPPORTS.
78	02	FLAT 100X100X13800	"	DO--
79	08	FLAT 100X100X2600	"	DO--
80	02	ANGLE 100X100X920	"	DO--
81	02	ANGLE 100X100X2270	"	DO--
82	01	ANGLE 100X100X10520	"	DO--
88	02	ANGLE 100X100X4350	NTPC	RECOMMENDED FOR FIXING OF PIPE SUPPORTS.
89	02	ANGLE 100X100X4000	"	DO--
90	02	ANGLE 100X100X2200	"	DO--
91	02	ANGLE 100X100X15500	"	DO--
92	02	ANGLE 100X100X1650	PSNR,BHEL	FOR FIXING OF ANCHOR PLATES
93	04	BEAM ISMB 300X1950	"	FIX POINT FOR STATOR ALIGNMENT
94	02	BEAM ISMB 200X1250	"	FIXPOINT FOR EXCITER ERECT./MAIN.
95	05	PLATE 100X250X600	"	RECOM. FOR SUPPORTING OF GEN. ROTOR DURING ERECTION & FOR ADJUST. OF EXCITER
96	04	PLATE 100X200X300	"	PLATE FOR ADJUSTING OF EXCITER
97	22	PIPE ID min 150 L=2000	"	FOR ANCHOR BOLTS
98	06	PIPE ID min 125 L=2000	"	FOR ANCHOR BOLTS
99	07	PIPE ID min 80 L=2100	NTPC	FOR CABLES
100	02	PIPE ID min 125 L=2590	PSNR,BHEL	FOR ANCHOR BOLTS
101	02	PLATE 25X500X2500	"	RECOMMENDED FOR FRECTION OF TERMINAL BOX
102	02	ANCHOR FOR GEN.	"	AS PER BHEL DRG.NO.2-13800-01001
103	01	ANGLE 100X100X5160	NTPC	RECOMMENDED FOR FIXING OF PIPE SUPPORTS.
104	02	FLAT 100X100X2000	"	DO--
105	02	ANGLE 100X100X1350	PSNR,BHEL	FOR FIXING OF ANCHOR PLATES
106	02	ANGLE 100X100X6000	"	DO--
107	02	ANGLE 100X100X6250	"	DO--
108	02	ANGLE 100X100X600	"	DO--
109	02	ANGLE 100X100X450	"	DO--
110	02	FLAT 100X100X5200	NTPC	RECOMMENDED FOR FIXING OF PIPE SUPPORTS.
111	02	FLAT 100X100X1150	"	DO--
112	05	FLAT 100X100X20000	"	DO--
113	01	FLAT 100X100X1950	"	DO--
114	02	ANGLE 100X100X1150	"	DO--
115	02	ANGLE 100X100X3400	"	DO--
116	02	ANGLE 100X100X4900	"	DO--
117	02	ANGLE 100X100X3220	"	DO--
118	03	ANGLE 100X100X2000	"	DO--

GMS No./ C.B.O.M. NO.		STATUS OF PURCH	
APPROVED	NAME	SIGN	DATE
EME	A.S./RFR	SD/-	23.06.09
TYPE OF PRODUCT		NATIONAL THERMAL POWER CORPORATION LTD.	
OR		2 X 500 MW WINDHYACHAL T.P.S.	
NAME OF CUSTOMER/PROJECT		STAGE-IV UNIT-11&12	
STEAM TURBINE GENERATION PACKAGE		STAGE-IV UNIT-11&12	
BHARAT HEAVY ELECTRICALS LTD.		RANIPUR, HARDWAR	
			
REV	DATE	ALTERED P.S.S. -SD-	REMARKS
01	08.09.09	CHECKED ANUPAM -SD-	
REVISED AS MARKED.			
TITLE :			
LIST OF EMBEDDED PARTS			
DEPT CODE	PED CODE	SCALE	WEIGHT (KG)
4066		—	—
CARD CODE	DRAWING NO.		
7	2-13100-P8156		
SHEET No. 01	No. OF SHEETS	REV.	
01	04	22.03.01	

CERTIFIED TRUE COPY OF APPROVED DRG. NO.  
0330-110-03HW-PVM-W-224 OF JHAJJAR,  
3X500MW PROJECT.

1. FOUNDATION PLAN DRG. NO. 0-13100-P81.52
2. FOUNDATION PLAN DRG. NO. 0-13100-P81.53
3. FOUNDATION PLAN DRG. NO. 0-13100-P81.54
4. FOUNDATION PLAN DRG. NO. 1-13100-P81.55

### REFERENCE DRAWINGS:-

1. FOUNDATION PLAN DRG. NO. 0-13100-P81.52
2. FOUNDATION PLAN DRG. NO. 0-13100-P81.53
3. FOUNDATION PLAN DRG. NO. 0-13100-P81.54
4. FOUNDATION PLAN DRG. NO. 1-13100-P81.55

## NOTES:

1. THE LENGTHS OF PIPES ARE DEPENDENT ON T. G. DECK THICKNESS AND SHOULD BE DECIDED AFTER FINALISATION OF T. G. FOUNDATION DESIGN BY THE FOUNDATION DESIGNER .

2. WHERESOEVER MATERIAL IS NOT MENTIONED, IT MAY BE TAKEN AS STRUCTURAL STEEL OF COMMERCIAL QUALITY.

3. MATERIAL OF PIPES IS SEAMLESS PIPE ATSM A106 GR.B . HOWEVER , ERW PIPES CAN ALSO BE USED