



Ref: BHE/PW/PUR/KTI-STG/1114/Corrigendum-03

Date 14/03/2013

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To

ALL BIDDERS

Sub: Corrigendum-03: Issue of Clarifications

JOB: RECEIPT OF MATERIALS FROM STORES, TRANSPORTATION TO SITE OF WORK, ERECTION, TESTING, COMMISSIONING AND HANDING OVER OF STEAM TURBINE, TURBO-GENERATOR, ~~CONDENSER~~, TG INTEGRAL PIPING, HP & LP HEATERS, ~~DEAERATOR~~, WITH ASSOCIATED EQUIPMENTS/TANKS/VESSELS, ~~FST & DEAERATOR~~, LP BYPASS SYSTEM WITH ASSOCIATED PLATFORM, ~~POWER CYCLE PUMPS & ASSOCIATED AUXILIARIES B.F. VALVES ETC~~, BOUGHT OUT ITEMS, PEM PACKAGES ETC IN UNIT 1 & 2 AT (2x150 MW) OPGS POWER GUJARAT PVT. LTD. DIST. – KUTCHH GUJARAT.

Tender Specification Number: BHE/PW/PUR/KTI-STG/1114

Bidders to kindly take note of the following:

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AA) CLARIFICATION TO QUERIES:

CLARIFICATION 01:

Refer Clause 10.0 –B in page 44 of Vol IA ‘TCC’.

Generator Stator of Unit #1 is in transit and hence its unloading is excluded from the scope of Contractor. Same will be unloaded by separate agency.

The Stator will be unloaded near the TG bay at an approximate radius of 10-15 meters. Contractor has to lead the stator to the lifting position.

QUERY 02: Refer Clause No 9.11 of Volume IA ‘Technical conditions of Contract’: As per the clause, interconnecting piping (P-91) between HP Valve & HP Overload valves is in the scope of contractor. Please confirm the weight of P-91 Piping or total Length and number of joints given are for one unit or both units.

CLARIFICATION 02:

Please Refer the ‘Assembly Drawing of HP Valve and HP Overload Valve’ attached herewith.

QUERY 03: Refer Chapter II, Clause 2.0, Note 2: Please confirm whether for unloading of generator stator of Unit # 2, BHEL will provide required capacity Crane?

CLARIFICATION 03:

Unloading of Generator Stator Unit # 2 is in the scope of Contractor. Stator may be unloaded with Jacks and Sleepers which are to be arranged by the contractor. Also contractor shall lead the stator to the lifting position.

QUERY 04: Refer Chapter II, Clause 2.0, Note 3: Please confirm the exact scope of Contractor for Generator Stator Lifting work.

CLARIFICATION 04:

Assistance for Generator Stator Lifting work shall include following:

1. Hydra and Required T & Ps for handling Stand Jack Structure etc
2. Rigging team shall be provided by the provided by the contractor under subject contract
3. All other T&Ps like welding generators, DG Set and consumables etc.

भारत हेवी इलेक्ट्रिकल्स लिमिटेड
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QUERY 05: Refer Chapter X 'Exclusions' Sl No B and Clause 9.13 of Vol IA 'TCC': As generator Stator Lifting Using Strand Jack is not in the scope. Hence required special slings as indicated in Clause 9.13 shall be removed from the scope of contractor.

CLARIFICATION 05:

Tender Conditions Holds Good

QUERY 06: Confirm the scope of Spray Insulation of Turbine/Valve..

CLARIFICATION 06:

Spray Insulation of Turbine/Valves are Excluded from the scope of work.

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All other Terms and conditions of the Tender Specification shall remain unaltered unless expressly amended by BHEL in writing.

Bidders are requested to submit as a part of Technical Bid, a copy of this corrigendum duly countersigned by the authorized signatory and stamped with the Official seal as a token of Bidder's unqualified acceptance of this corrigendum.

This letter is hosted as file titled "Corrigendum-03 (Clarification-1114)" against NIT-13698 in BHEL web page (www.bhel.com→Tender Notifications → View Corrigendum).

Thanking you,

Yours faithfully,

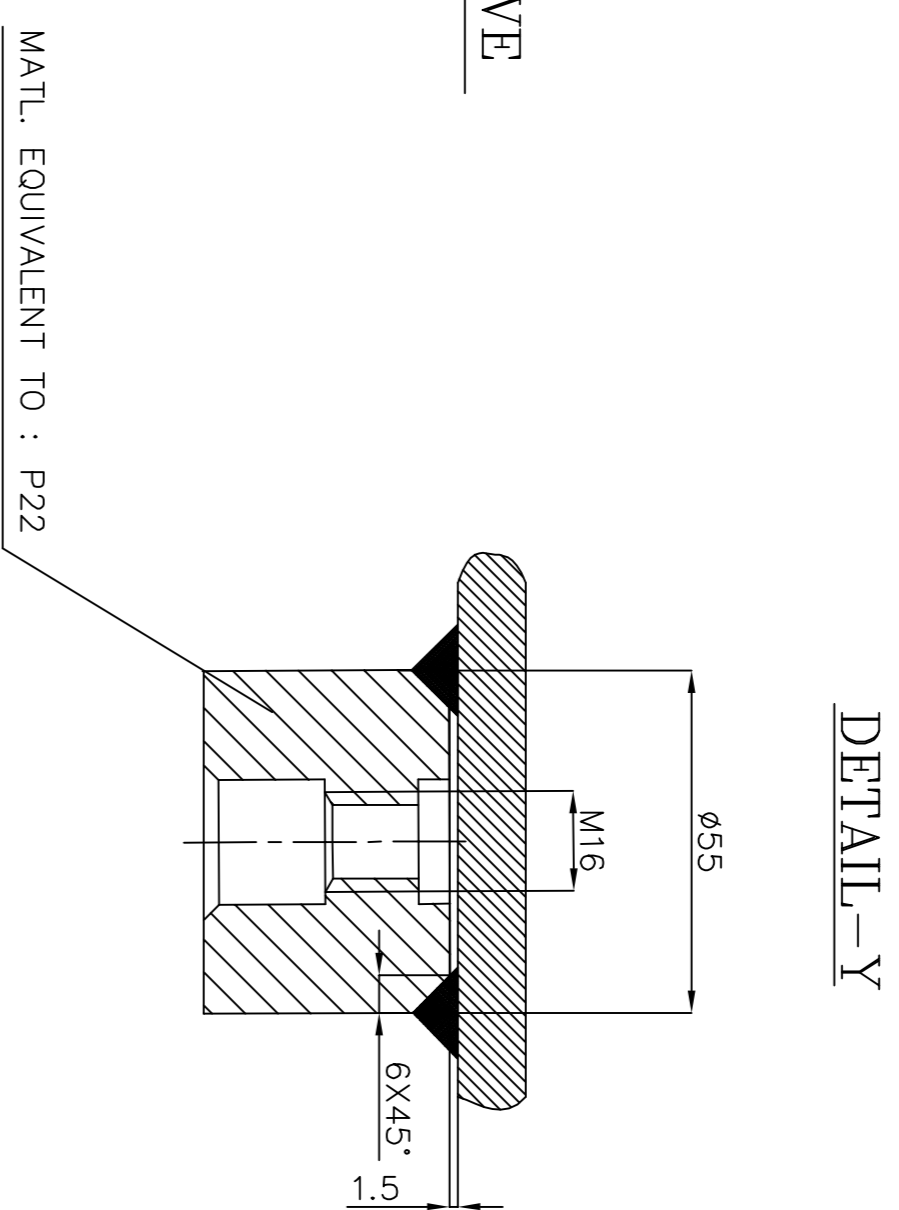
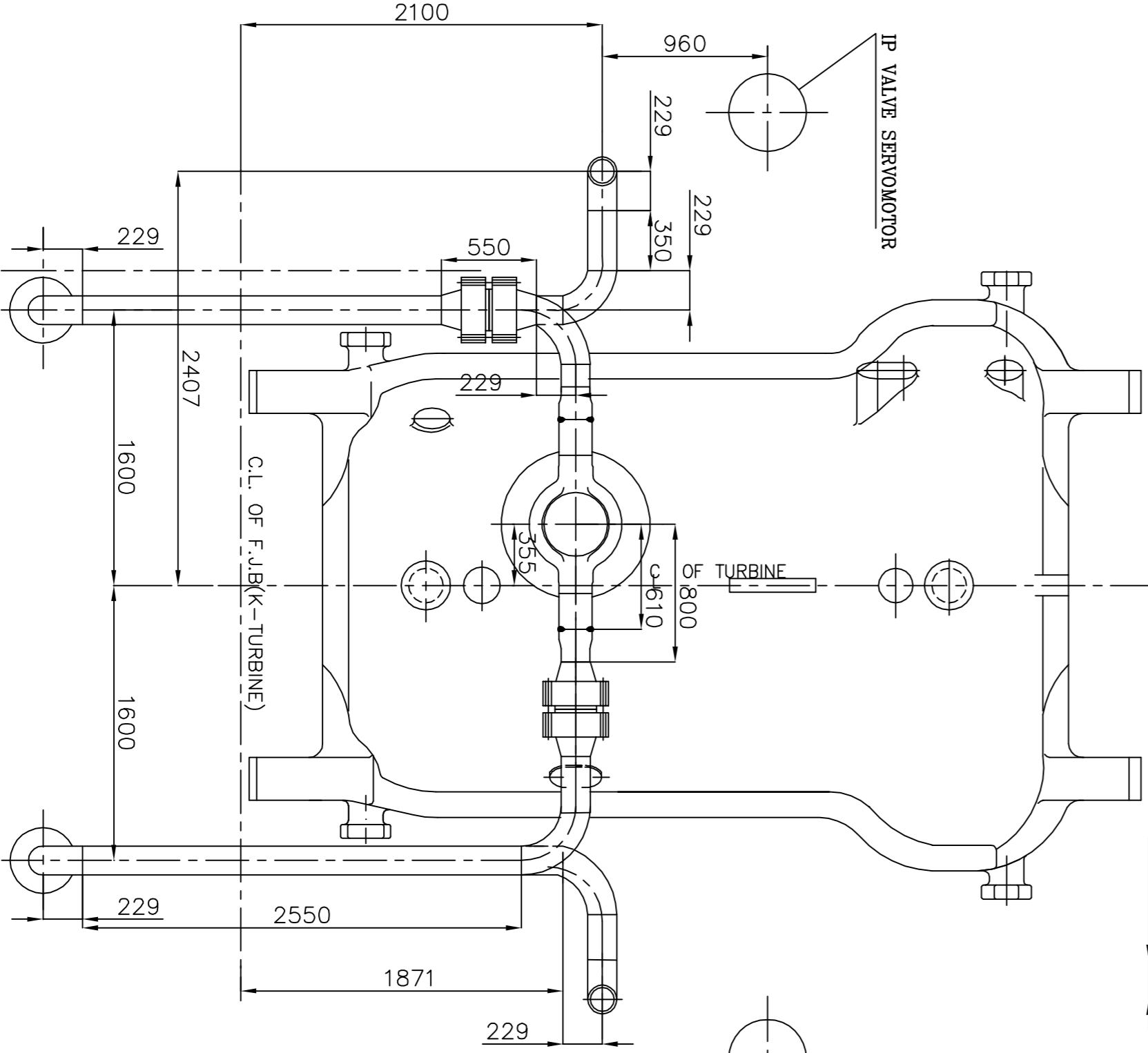
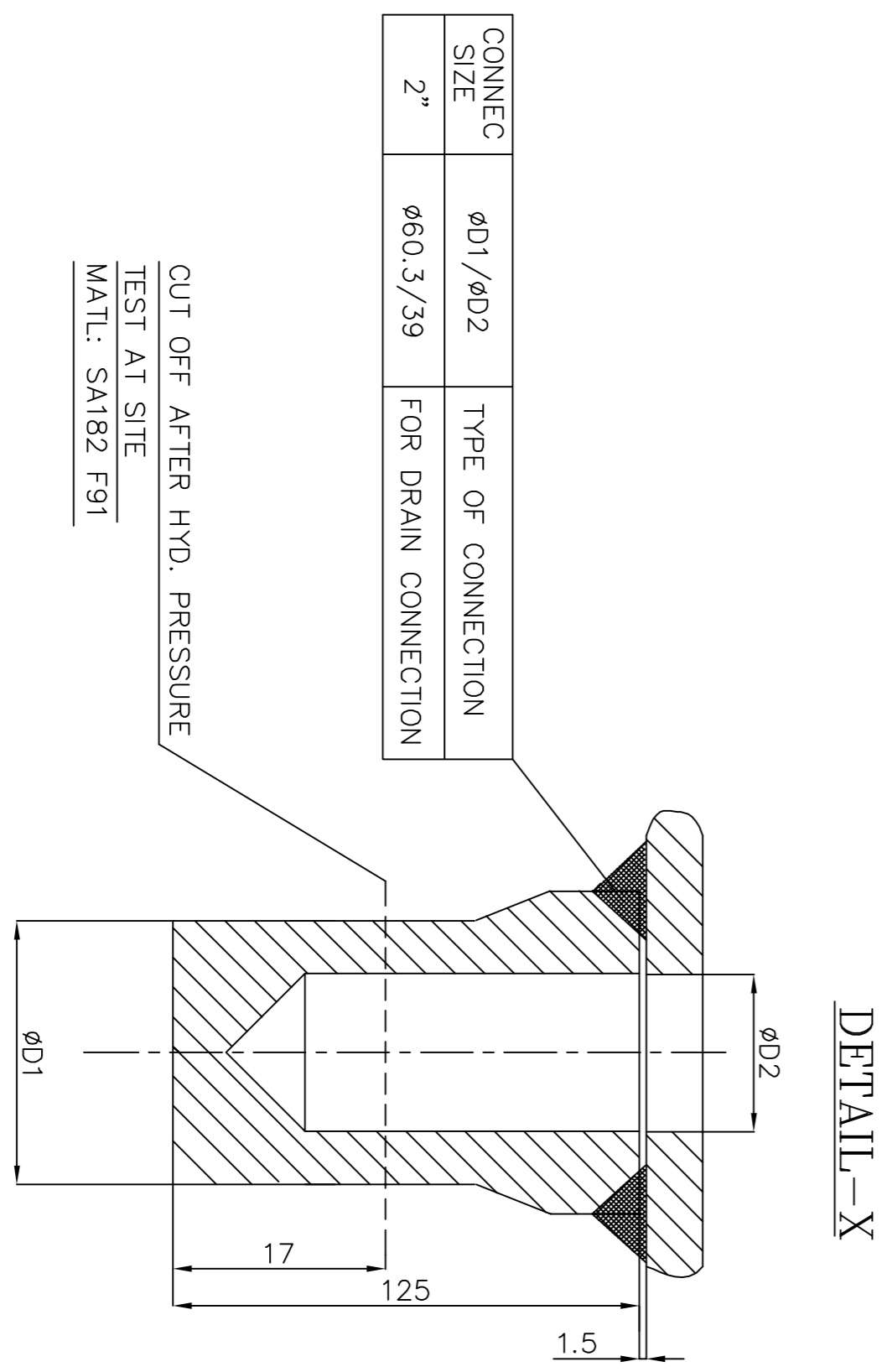
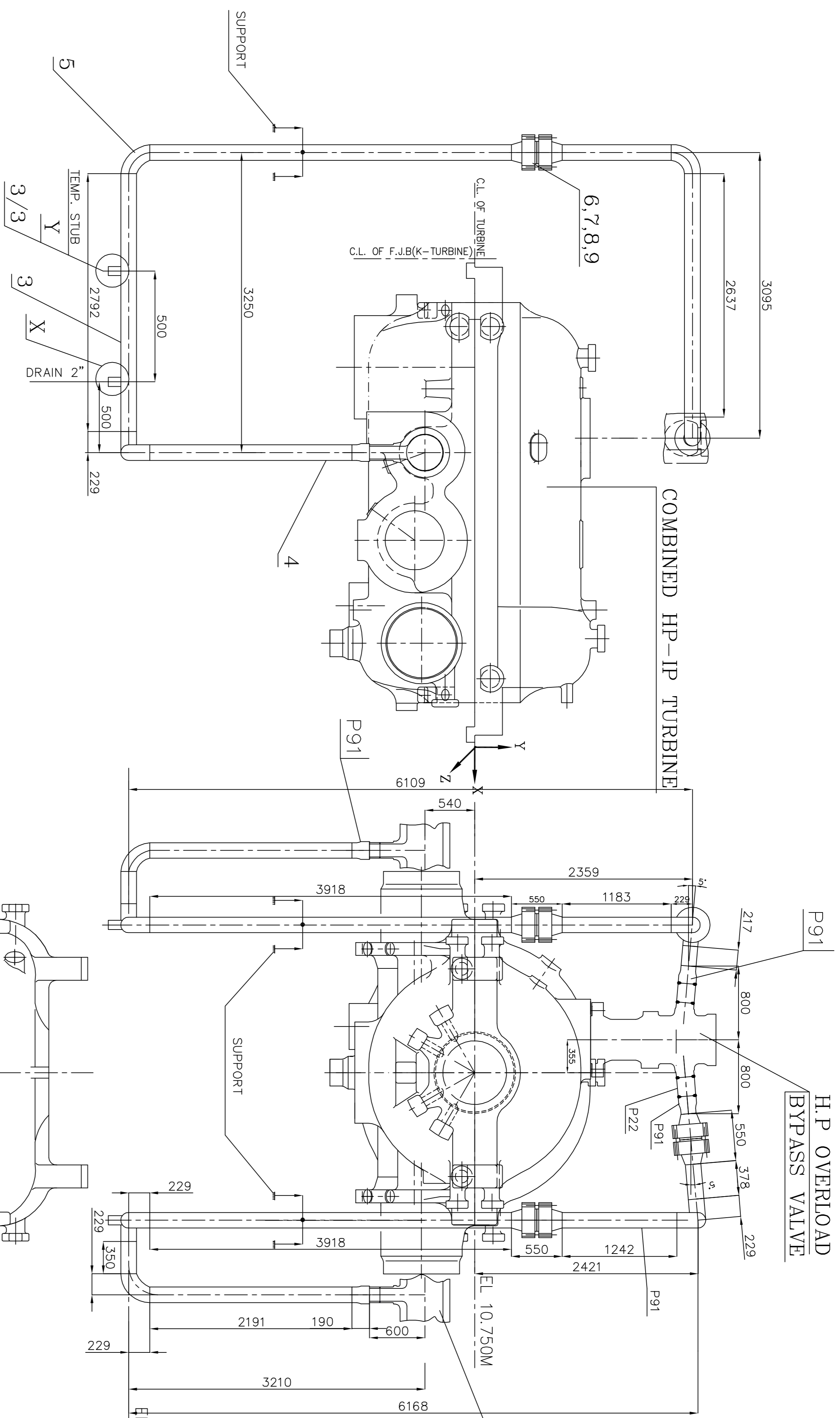
AGM (Purchase)

Enclosure:

1. Drawing No 1-112-09-620001 Rev 04 and Part List –WBS BOM

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GENERAL DIMENSIONAL LIMITS, FITS & TOLERANCES AS PER HY0230261



NOTES:

1. FLOW MEDIUM: STEAM
2. DESIGN PARAMETERS P = 140 atg , T = 545°C
3. HYDRAULIC PRESSURE TEST TO BE DONE AS PER VARIANT TABLE
4. FUSION FACES (EDGE PREPARATION) OF PIPE AS PLANT STD. HY0620599
5. ALL WELD JOINTS TO BE STRESS RELIEVED.
6. 100% RADIOGRAPHED ALL BUTT WELDS
7. THE REFERENCE STANDARDS AND ACCEPTANCE FOR RADIOGRAPHIC EXAMINATION AS PER PARA 136.4.5 OF ASME B31.1
8. ALL POSITIONS MENTIONED IN THIS DRAWING ARE TO BE WELDED AT SITE.
9. SITE ERECTION NOTES, REFER DRG. NO 4-31300-00560
10. ALL THE INTERNAL SURFACES OF THE ELEMENTS SHALL BE MECHANICALLY CLEANED AND AIR BLOWN BEFORE PLACING THEM IN POSITION.
11. PIPE MATERIAL SPECIFICATION IS : ASME SA 335 P91 (ø168.3 x 18.3)
12. AN EXTRA ALLOWANCE OF 100mm IS PROVIDED FOR SITE WELD
13. PAINTING SCHEME: 2Y4 (ALUMINIUM) , AS PER PRODUCT STD: HY0674162
14. WPS FOR MATL. P91 TO P91 WELD : WE 145 (32 JOINTS).
15. THE VALVE ENDS OF BOTH HP VALVE AND OVERLOAD VALVE ARE MATL. :
16. SUPPORT TO BE PROVIDED AS PER DRG NO. : 1-131-11-62002
17. WPS FOR MATL. P91 TO P22 WELD : WE 146 (4 JOINTS).

HYDRAULIC TEST PRESSURE	210 atg	MAX. PRESSURE	140 atg	MAX. TEMP	545°C	VAR	00
NAME OF PRODUCT OR NAME OF CUSTOMER/PROJECT BHARAT HEAVY ELECTRICALS LTD. HYDRABAD							
DEPT.	UNTO. DMS.	SCALE	WEIGHT (KG)	REF. TO ASSY. DRG.	DATE	NO. OF	REV.
419	C/M/F	1:1	50.7.01	VENKATESH	50.7.01	NO. OF	VAR.
			50.7.01	D.S. RAO	50.7.01	NO. OF	VAR.
			50.7.01	APPO. A. GUPTA	50.7.01	NO. OF	VAR.

TITLE	DRAWING NO.	REV.
INTER CONNECTING PIPING	1-112-09-62001.04	

REV.	DATE	ALTERED	CHD/APPD	ZONE
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

INVENTORY NO	SIGN. AND DATE	REF. DRG. NO.	COMPUTER FILE NAME

PART LIST - WBS BOM

H.Material	WBS Element No	BOM St	Plant	Header Desc	Base Qty(EA)
T11120962001-00N1	P-1013103000-11209	05		P001 INTR CON PIPING BET HPCV&OLBPV	1

Req Qt	Des No	Net Weight	Created by	Created on	Changed on
1		739.270	TCTIT06	19.01.2010	18.05.2010

Customer Name	Project Name	Drng No	Drng Rev	Part Number
OPG POWER GUJRAT	2X150MW STG - OPG POWER GUJRAT KUTCH-UNIT-1			11209001

Ly	Pos No	Part No	Item Material No	Mattyp	SPK	Description				
RM SIZE										
RMS unit	RM pieces	Qty in MU	Qty Unit	Net Wt(kg)		Drng no			Drng Rev	
Spec No	SRev	Matl.Std	Insp agency	Des No		Bas eqt	DU	Ph	Spr Ind	Valid from
Engineering Remarks					Technology Remarks					
1	0003	11209006	TC9758091158	ZSUD	F	PIPE ASSLY WITH NIPPOLET DRAIN				
			2.000	EA	162.000	31120962001-00			01	
	TC58091-15	00			TC9758091158		DS			19.01.2010
1	0004	11209007	HY1069034975	ZROH	F70	PIPE AS, HTS 168.3 X 18.3 S/L A335 P91				
LENGTH =30,000.000										
MM	1.000	30.000	M	2,031.000						
	AA10634	04		A2	HY1069034975		DS			19.01.2010
1	0005	11209008	STAA05824001	ZSUD	F	ELBOW 90DEG LR 6" SCH160 AS (SA234 WP91)				
			10.000	EA	67.700					
	TC51996-01	00			STAA05824001		DS			19.01.2010
1	0006	11209009	STAA05824002	ZSUD	F	WN FLNG 6" CL 2500WNRJ,SCH160, SA182-F91				
			8.000	EA	173.000					
			SA182-F91		STAA05824002		DS			19.01.2010
1	0007	11209010	HY7240342379	ZSUD	F	O-RING GASKET ,SS, R47 PITCH DIA 228.6				
			4.000	EA	2.300					
	AA7240342	01			HY7240342379		DS			19.01.2010
1	0008	11209011	TC9758091565	ZSUD	F	STUD M52 X 380				
			32.000	EA	4.700	41120962001-00			01	
	TC58091-56	00			TC9758091565		DS			19.01.2010

