



**BHARAT HEAVY ELECTRICALS LIMITED**  
**PROJECT ENGINEERING MANAGEMENT, NOIDA**

Date-19-Dec-25

**CORRIGENDUM- 02**

<b>PROJECT</b>	<b>:</b>	<b>1X800 MW HPGCL YAMUNANAGAR STPP</b>
<b>PACKAGE</b>	<b>:</b>	<b>Water Treatment Package</b>
<b>ENQUIRY NO</b>	<b>:</b>	<b>77/25/6221/AMI dated 10-12-2022</b>
<b>SUBJECT</b>	<b>:</b>	<b>BHEL replies to Pre-bid queries</b>

Type of Corrigendum			
Technical Corrigendum -	<input checked="" type="checkbox"/>	Commercial Corrigendum -	<input type="checkbox"/>

Bidders are requested to note the following:

BHEL replies to Pre-bid queries enclosed.

All the terms and conditions of the tender enquiry remain unchanged. All the bidders are requested to quote accordingly.

Yours faithfully,

For and on behalf of BHEL

**Amit Kumar**  
**Manager/BOP**

Water Treatment Packages for 1X800 MW HPGCL Yamunanagar STP  
Tender No. 77/25/6221/AMI [ Tender ID: 2025\_BHEL\_55747\_1 ]

**TENDER PRE-BID QUERIES**

Sl. No.	Reference Document / Drawing	Clause / PBR Ref.	Clarification Question	BHEL Replies
1	Drawing No. PE-DG-510-172-W001 – Plan Water System P&ID	—	With reference to the above drawing, please clarify the locations of the RW-PT and RW-AHP pumps, the requirements for the pump house and sump, including sump capacity, and the sizes of the associated piping.	Raw water pump house (including sump) is in BHEL scope. RW-PT and RW-AHP pumps shall be installed in RW pump house as already mentioned in technical specification. Location of RW pump house is enclosed again for ready reference.
2	Old Tender Document – Technical Specifications Part 10	Clause 6.15, Page 135/483	Watch towers are mentioned as less than 12 numbers. As per reference document PBRSR No. 17, Page 65 of 214, please clarify for civil costing whether Watch Tower is to be considered for Island-1 only, Island-2 only, or for both islands.	Watch tower is not in bidders scope
3	PBR Serial No. 343, Dated 27-06-03	Parking Shed	Please clarify whether the parking shed is to be provided at a single location or at multiple locations.	Parking sheds are not in bidders scope.
4	Drawing No. DG-510-163-W-001 – P&ID	DM Plant	With reference to the P&ID for DM Water Transfer Pump and Boiler Fill Pump, please provide the pump capacity, head, location, and piping lengths to enable calculation of the required pump head.	Please refer Annexure-1 for pumps parameters. Further, Bidder to refer ANNEXURE XIII/ TERMINAL POINTS AND EXCLUSIONS/ S. No. 9/ Demineralization Plant (DM Plant) for calculating the piping lengths, meeting technical specification requirements. Bidder to follow/ comply the technical specification requirements.
5	Drawing No. PE-DG-510-100-M01	DM Area Layout	In the drawing, the DM area location is shown and the degasser water storage tank is depicted as a separate tank. Please clarify whether the degasser water storage tank should be integrated with the DM water storage tank using two compartments, or provided as a completely separate tank.	Bidder to refer Cl. No. 10.9.69/ Page No. 99 of 3688/ Technical Specification and note that "Internal arrangement given in plot plan for all water treatment packages is indicative only. Bidder to develop internal arrangement layout during detail engineering as per technical specification". Bidder to follow technical specification requirements.
6	Instrument Section, Page 89 of 230	Clause 9.4(a)	With reference to DCS being in BHEL's scope of supply, please clarify the location of the DCS I/O cabinet to enable us to assume the cable lengths from the DM Plant to the DCS room.	Kindly refer column "Location of DCS panels" shown in C&I Annexure-I, as part of technical specification.
7	UPS System	—	With reference to the UPS system, it is mentioned that a 60-minute backup UPS shall be provided by the vendor. Please clarify whether the UPS should be considered as part of the BHEL package, since the DCS is included in BHEL's scope of supply.	Noted & Confirmed. UPS for DCS panels shall be in BHEL scope of supply
8	Control Desk / OWS / Annunciation Panel	—	With reference to the Control Desk, OWS / Operating Workstation, and Annunciation Panel, please clarify whether these, including an adequate number of operator windows, are to be provided under BHEL's scope or by the vendor.	Noted & Confirmed. OWS shall be in BHEL scope of supply
9	Electrical – Filtered Water Motors	—	It is noted that three filtered water motors exceed the 160 kW limit specified for 415 V operation. All three motors require operation from a 6.6 kV supply, but the tender permits only two 11 kV feeders from your side to our WTP section. Please clarify the proposed solution to accommodate these motors.	Bidder to refer the tender specification, Annexure- E.1 (SCOPE MATRIX [ELECTRICAL SYSTEM / EQUIPMENTS] enclosed under ANNEXURE-1 TO TECHNICAL SPECIFICATION FOR WATER TREATMENT PACKAGES.  Above referred Annexure E.1, Clause No. 3 (Terminal Point No.& Remarks columns) indicates the scope & terminal point for power supply of 6.6kV motors.



S. No.	FACILITY
1.	T.G. UNIT
2.	BOILER
3.	ASH SLURRY PUMP HOUSE
4.	E.S.P.
5.	E.S.P. CONTROL ROOM
6.	CHIMNEY
7.	NOT USED
8.	GATE COMPLEX
9.	GRAVITY FILTERS
10.	D.M. PLANT
11.	PRE TREATMENT PLANT
12.	COOLING TOWER
13.	CW PUMP HOUSE
14.	CHLORINE DIOXIDE GENERATION PLANT
15.	AHP COMPRESSOR HOUSE
16.	400KV GIS
17.	TRANSFORMER AREA
18.	ASH WATER PUMP HOUSE
19.	DAY OIL TANK
20.	COMBINED BUILDING (FOPH, FOAM PH - BHELPED, AC PLANT-SERVICE BLDG, MCC AND CONTROL ROOM, AIR WASHER FOR TG BUILDING)
21.	CLARIFIED WATER / FIRE WATER PH
22.	AIR COMPRESSOR HOUSE
23.	NEW RAIL YARD
24.	WAGON TIPPLER
25.	CRUSHED COAL STOCK PILE
26.	CRUSHER HOUSE
27.	CW PIPES
28.	ASH SILOS
29.	EFFLUENT TREATMENT PLANT (ETP)
30.	SERVICE BUILDING
31.	SEWAGE TREATMENT PLANT
32.	MRS SILO
33.	CHEMICAL LAB
34.	THICKNER
35.	NOT USED
36.	AMMONIA UNLOADING & STORAGE
37.	BIOMASS STORAGE SHED
38.	CHEMICAL HOUSE
39.	CLARIFIER
40.	H2 CYLINDER STORAGE SHED
41.	RAW WATER PUMP HOUSE
42.	DIESEL LOCOMOTIVE SHED
43.	COAL DOZER SHED
44.	CLARIFIED WATER TANK
45.	FIRE WATER TANK
46.	AHP CLARIFIER
47.	AHP CHEMICAL HOUSE
48.	AHP WEIGH BRIDGE WITH C/ROOM
49.	AHP WASH WATER PUMP SHED
50.	ER-1 (AHP MCC-1, SLURRY, COMPH.)
51.	ER-2 (AHP MCC-2, SILO)
52.	ER-3 (CHP MCC-1, NEAR WT)
53.	ER-4 (CHP MCC-2 CUM CONTROL ROOM)
54.	NOT USED
55.	BOOSTER PH (BHEL-PESD)
56.	REGENERATION AREA (CPU)
57.	CW TREATMENT PLANT
58.	NOT USED
59.	PUMP HOUSE - PW/SI/WDS SYSTEM (ISG)
60.	ER-5 (CHP MCC-3, NEAR 3JT-5)
61.	AIR WASHER BUILDING

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- LEGEND:**
- 1. PIPE CUM CABLE TRESTLE (BHEL-PEM) . . . . .
  - 2. CABLE TRESTLE (BHEL-PEM) . . . . .
  - 3. PIPE CUM CABLE TRESTLE (BHEL-ISG) . . . . .

- NOTES: -**
1. ALL DIMENSIONS ARE IN MM & ELEVATIONS IN METERS UNLESS STATED OTHERWISE.
  2. RL AT ALL LOCATIONS IN 800MW UNIT-III, STAGE-2 IS (+)270.0M, UNLESS OTHERWISE MARKED.
  3. FINISH FLOOR LEVEL = RL (+)270.50M, WHICH CORRESPONDS TO EL 0.0M (GROUND FLOOR OF STG BUILDING).

JOB NO.	510
STATUS	CONTRACT
DISTRIBUTION	

**CUSTOMER**  
 HARYANA POWER GENERATION CORPORATION LTD.  
**CONSULTANT**  
 DESEIN PRIVATE LIMITED  
 CONSULTING ENGINEERS, NEW DELHI, INDIA  
 1x800MW DEEN BANDHU CHOTU RAM  
 SUPER THERMAL POWER PLANT, YAMUNA NAGAR  
**CLIENT**  
 BHARAT HEAVY ELECTRICALS LTD  
 POWER SECTOR  
 PROJECT ENGINEERING MANAGEMENT  
 NOIDA

REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD	REV.	DATE	ALTD	CHD	APPD
1	20.08.2024				1	20.08.2024				1	20.08.2024				1	20.08.2024				1	20.08.2024			

TITLE: **PLOT PLAN**  
 DEPT. SCALE 1:425 DRAWING NO. **PE-DG-510-100-M001**  
 SHEET 1 OF 1 REV. 2P

COMPUTER FILE NAME: JAL\_001000