

**Corrigendum - 07 dated 26/03/2026 to CPC Tender No. BHEL/CPC/SAT/EPC\_BOP/26/083 for the work of "EPC package for Balance of Plants (BOP) AT MPPGCL SATPURA TPS, Unit-12 (1X660 MW), Sarni (MP)"**

**A) Some of the Bidders had asked queries in the published tender specification. The clarifications issued by BHEL are furnished below**

<b>Sl. No.</b>	<b>Section</b>	<b>Clause</b>	<b>Sheet No</b>	<b>Existing Provisions as per Contract</b>	<b>Bidder clarification / deviation / exclusion / suggestion</b>	<b>BHEL Reply</b>
1	Vol.1A, 3.0 Scope of work: Clause 3.3 Page 16 of 94	"....Fire protection system with associated piping"			Is the fire fighting system for Coal Mills and bunker in Bidder scope or BHEL scope? Because ,It is within the BTG boundary.	Bidder's scope is to provide the fire hydrant line 1 meter away from Coal Mill Area.
2	Annexure-2 - Scope Matrix: Page 5 of 43. Item 36	Misc Tanks (FO, CST,DM & etc)			Boiler drain vessel is expected to be BHEL scope. Please confirm.	Bidder's understanding is correct.
3	SUB-SECTION B-0 GENERAL ELECTRICAL SPECIFICATION	1.06.00	PAGE 1 OF 16	Voltage rating for special purpose motors viz, VFD and screw compressors, shall be as per manufacturer's standard.	TKIL propose 415V, 6 Pulse AFE VFD drives for motor rating above 160kW instead of 3.3kV supply. This will be economical solution.	BHEL scope is limited to VFD for CEP, ARP, Oxidation Blower & APH. The mentioned VFD is not in BHEL scope, BOP vendor to follow the Technical Specification.
4	PLOT PLAN (GLP) PE-DG-538-100-M001				Please clarify the scope or works and span arrangement of the slab culvert. Please clarify whether 22m is the barrel length of the box culvert of 1m span or not.	Terminal point is clearly mentioned in the Srl No 22 of scope matrix provided with the tender. Bidder to follow the same.
5	Scope of Works : Plant Utilities S.No D-20			"Future Electrical and C&I requirement if any as per end user specification for "Future Provision for the conveyor" in the bunker building shall be considered by bidder."	Please clarify the requirements to be provided by the bidder.	Same shall be provided during detail engineering.
6	Annexure-11			Mandatory spares list	In Page 80/86 Mandatory spares for C&I, there are items related to DDCMIS (Example Matrix KVM switch). Please confirm that the spares related to DDCMIS will be supplied by BHEL and it is not in BOP scope. Similarly in Page 84 UCD mounted devices is mentioned.	Scope of mandatory spares shall be in line with main equipment

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7	Annexure-11			Mandatory spares list	Please clarify regarding spares for O2 analyser. We understand that the O2 analyser is not in BOP scope.	Scope of mandatory spares shall be in line with main equipment
8	NTPC spec Part-A, Solar PV			Solar PV	In scope matrix solar PV is not mentioned. Confirmed it is not in BOP scope.	Bidder's understanding is correct however bidder to consider the load of Solar PV Panels on the rooftop of BOP Building while design. Necessary inputs civil design shall be provided during detail engineering.
9				ESP elevator	Please clarify if an elevator is applicable for the ESP rapper panel room	Tender Condition shall prevail.
10				TG building drawing	Please provide the TG hall plan and elevation. Floor elevations, identifying AC areas	Please refer HVAC Annexure A attached with corrigendum-2 dtd. 17.03.26.
11	Scope matrix 1/43			Mill and Bunker building	Bunker level indicator is in BHEL scope. Please confirm.	Bidder's understanding is correct.
12	Scope matrix B10			Non plant building	In the PDF file, the item after retaining wall is not visible. Please provide corrected document.	May be read as "....Retaining wall, etc. as per BOP/BTG Battery Limit in Plot Plan"
13	Scope matrix B13			Codes and standards	Please clarify what is the scope of delivery under this heading.	Specification is clear in this regard.

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14	Scope matrix D3			VMS sensors	For BOP bidder supplied equipment, provision for mounting vibration sensors and mounting key phasor equipment will be made in the equipment. Sensor and key phasor equipment, cabling to VMS will be provided by BHEL. Please confirm.	Supply of Sensor and key phasor equipment shall be free issued by BHEL, however, supply of cables and associated items and cabling to VMS shall be in bidder's scope.
15	Section VI PART-A (2.00.00) Page no.- 655 of 1010			Guidelines for Functional Grouping of Controllers 2.03.00 BOP DDCMIS	We understand this sub system is in BHEL scope.	Functional Grouping of Controller shall be done by BHEL, however, required inputs shall be provided by bidder.
16					Please provide the Plot Plan in AutoCAD showing the boundary wall (in bidder's scope).	Required details are already provided in Plot Plan drg. in PDF Format.
17			33	Gypsum handling system		GHP is not in bidder's Scope of work.
18	PE-DG-538-100-M001			Contour Drawing of the proposed CHP area	As per the plot plan drawing we observed that there is a level difference at different area like near CHP WTP area level mentioned (+)449.50mtr, near stock-pile area level is (+)447mtr and near ETP (+)443 and near boiler area (+)440.50mtr.	Bidder to follow tender specification.
19					We can observe a level difference of approx. 9mtr from receiving point to discharge point.	Bidder to follow tender specification.

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20		TECHNICAL CONDITIONS OF CONTRACT 3.66 Operation and Maintenance		The Operation and Maintenance of this EPC package till hand over of the project to Owner (MPPGCL) shall be in bidder's scope and shall start only after completion of Integrated trial operation of system (as defined in contract).	Kindly confirm the duration for O&M. i.e is the O&M shall be carried out for 1 year or six month from the date of commissioning of the Ash Handling plant.	Bidder to refer tender specifications.
21				Plot Plan	We request to provide the Auto CAD version of the plot plan, so that we can calculate the exact distance between various facilities.	Required details are already provided in Plot Plan drg. in PDF Format.
22		Lime Stone Flow Diagram, Drg no-11233-001-POM-A-039, Rev-B			Please clarify.	Refer Page 13 & 14 of 43 of the scope matrix for details.
23		TECHNICAL SPECIFICATIONS SECTION - VI, PART-B BID DOC NO.:CW-CM-11233-C-O-M-001  SUB-SECTION-A-25 SOLAR P.V.		The Solar Photo Voltaic (PV) installation on Rooftop of various buildings/shade of the Power Plant shall be carried out preferably on shadow free area in such a way that the generation is maximized on each building/shade suitable for installation of Solar PV power plants	The buildings for which Roof Top solar to be provided is not clear. All buildings and structures including coal conveyor galleries transfer towers and ESP etc to be provided with roof top solar or not? To be clarified	Bidder to consider the load of Solar PV Panels on the rooftop of BOP Building while design. Necessary inputs civil design shall be provided during detail engineering.
24	Sl. No. D.1. Instrumentation & Control Work, 050226_SATPURA_SCOPE_MATRIX R1 & Annexures, Page no. 11of 43			6. Interconnection /Hookup between Main Plant DCS and BOP DCS shall be in bidder scope along with required Cables/ Networking hardwares etc.	As both ends of DCS equipment is in Customer scope of supply, so required Networking hardwares & software and termination accessories will be in customer scope of supply. Bidder can only provide the normal pair/core and FO cables.	Tender Conditions shall prevail.

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25	Sl. No. D.1. Instrumentation & Control Work, 050226_SATPURA_SCOPE_MATRIX R1 & Annexures, Page no. 11of 43			12.Detailed IO list shall be submitted within 6 months of LOI in the format prescribed by BHEL which shall be shared to successful bidder. Any addition of IO's at later stage is not acceptable	Please note that all BOP packages can not be ordered and completely designed within 6 months of LOI, so it is not possible to provide exact IO requirement of each package to Customer within 6 months. Only tentative package-wise IO count can be provided. Package wise detailed IO list as per package vendor format shall be provided once the same is received from them.	Tender Conditions shall prevail.
26	Sl. No. D.1. Instrumentation & Control Work, 050226_SATPURA_SCOPE_MATRIX R1 & Annexures, Page no. 11of 43			14. Any logic modification during commissioning stage shall be executed by BOP Vendor.	As BOP DCS will be supplied by Customer, so any programming medication at site has to be done by DCS OEM engineer. Bidder will only support with control & operation philosophy and other documentation.	Please refer Sl. No. B.6 of this Corrigendum
27	Sl. No. D.2. Instrumentation & Control Work, 050226_SATPURA_SCOPE_MATRIX R1 & Annexures, Page no. 11of 43			Profibus System (along with profibus hardwares, cables and associated instruments) for BOP area (including BOP packages which are placed in BTG area) shall be in bidder's scope	As we understand that Profibus is mainly Siemens developed protocol and now Siemens is actively phasing out PROFIBUS components, with major shift towards PROFINET, so design, supply and future support for Profibus based component and networking system may become problematic.	Tender Conditions shall prevail.
28					Further, Electrical system IMCC/VFD/SWGR will be networked with BOP DCS over Profibus/Profinet protocol. Rest other equipment like MOV, Control valves, field instrument transmitter & switches etc. will be directly hardwired to BOP DCS through normal pair/core cable. Please confirm.	Bidder to refer relevant portion of technical specification alongwith Scope matrix, further for all applications of BOP areas PROFIBUS-based control system, PROFIBUS-based actuators, PROFIBUS-based control valve positioner, PROFIBUS DP based IMC in LV SWGR/MCC and PROFIBUS based PT/DPT/TT shall be provided except PG test instrument (refer clause 1.06.00 Part A Subsection IIC).
29	Sl. No. D.3. Instrumentation & Control Work, 050226_SATPURA_SCOPE_MATRIX R1 & Annexures, Page no. 11of 43			VMS and its HMI for various packages will be free issued items to bidder by BHEL. However, bidder has to provide relevant engineering inputs.	We understand that Bidder can only provide the mounting provision in OEM's supplied HT motor and Fan/pump.	Bidder understanding is correct in this regard, however erection, commissioning & trial run upto handover of the free issued items shall be in bidder's scope.

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30				Bidder to provide sensor and key phasor mounting arrangement for bidder supplied equipment's as per contractual requirement	Any mounting brackets & accessories compatible to sensor and key phasor has to be arranged by Customer as VMS with sensor and key phasor will be supplied customer.	For BOP Vendor supplied equipment mounting brackets & accessories compatible to sensor and key phasor has to be arranged by bidder.
31	Sl. No. D.4. Instrumentation & Control Work, 050226_SATPURA_SCOPE_MATRIX R1 & Annexures, Page no. 11of 43			Complete SWAS Pkg by BOP	SWAS system mainly connected to condensate line, feedwater line, steam cycle, DMCW/CCW line and all these systems are part of BTG so SWAS system should be in Customer scope of supply. Please confirm.	Technical specification requirement are clear. Complete SWAS package is in Bidder scope including analysers, refer scope matrix for detail.
32	Annexure 1, 11 SECTION-VI PartA-12 PLANT UTILITIES			3.00.0 Compressed Air System d) One number of air receiver of minimum capacity 10 m3 at the discharge of each air compressor (Total: 06 numbers).	We recommend providing receivers in a common header for all compressors.	Bidder to follow tender specification.
33	Annexure 1-SINo 11- SUB-SECTION-IIA-12 PLANT UTILITIES			3.00.0 Compressed Air System e) One unit air receiver of minimum capacity 10 m3 for each unit to be located in TG building. (Total: 01 number).	Scope defined in Annexure 2 for instrument air terminal point does not include air receivers in BTG area. Hence same is excluded from BOP contractor scope. Please confirm our understanding.	Unit air receiver is in bidder's scope.
34	Annexure 2- SCOPE MATRIX - R1 (BOP on EPC), Sr. No. 6- Sewage Treatment Plant-Terminal Points Description-			BTG Island Sump Locations are near ESP control Room, S/Y control room and Powerhouse.	No of sewage pits in BTG area to be confirmed. Level instruments installed in the pit shall be excluded from BOP contractor scope. Request to confirm the same.	Decentralised Sewage treatment plant (minimum 3 nos) to provided by bidder. Locations for 2 Nos Package Type STP has been shown in Plot plan and 3rd locations shall be finalised during detail engineering. No of sewage pits in BTG area are 3 Nos as mentioned in Scope Matrix.  For Level Instrument: Please refer "Terminal Points Description" of scope matrix for scope of instrumentation and relay panel, according to which the same shall be in BOP vendor scope.

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35	Annexure 2- SCOPE MATRIX - R1 (BOP on EPC), Sr. No. 12-			Condensate polishing unit-Terminal Point Description-	No of instruments considered on condensate line at inlet and outlet of CPU are as below- 1) Temp transmitter 2) SWAS sample connection	Tender specification is clear in this regard.
36	Annexure 2- SCOPE MATRIX - R1 (BOP on EPC), Sr. No. 13-			Chemical required for Water Systems till handover to Owner	Chemicals required for commissioning of systems in BOP vendors scope are considered. Any additional chemicals required till handover of BTG packages are excluded from BOP contractor scope.	Tender specification is clear in this regard.
37	Annexure 2- SCOPE MATRIX - R1 (BOP on EPC), Sr. No. 14 A1			Remarks- Plant Water system related studies/analysis as mentioned in Technical Specification is under BOP Vendor scope.	Raw water analysis for design of water treatment system shall be provided to BOP contractor. Raw water analysis ss per Section VI- Part A, Sub Section I-B, Project Information will be used as design condition.	Tender conditions shall prevail.
38	Annexure 2- SCOPE MATRIX - R1 (BOP on EPC), Sr. No. 18- Fire detection and protection system,			Remark- Entire plant including BTG Island shall be in bidder's scope.	BHEL to provide required inputs for buildings inside BTG area during bidding stage for estimation.	Tender specification is clear in this regard.
39	Annexure 2- SCOPE MATRIX - R1 (BOP on EPC), Sr. No. 17- Air conditioning and ventilation system			Necessary input drawings for BTG Islands shall be provided to Bidder	BHEL to provide required inputs for buildings inside BTG area during bidding stage for estimation.	Please refer HVAC Annexure A attached with corrigendum-2 dtd. 17.03.26.
40	Annexure 2- SCOPE MATRIX - R1 (BOP on EPC), Sr. No. 29 a- DM Make up water system			Terminal Point description- 2) Boiler Fill Pump Discharge header terminal point near (D-Row); Tentative Pressure required at Terminal Point is minimum 13 Kg/cm2(a)	Common terminal point will be considered for both boilers(Main and Auxiliary boiler)	Tender specification is clear in this regard.
41	Annexure 2- SCOPE MATRIX - R1 (BOP on EPC), Sr. No. 21-			Fuel Oil handling Unit	Fuel oil tankers are excluded from contractors' scope	Bidder's understanding is correct.
42	Annexure 2- SCOPE MATRIX - R1, Page no 41 of 43			Electric hoist and CPB schedule(BTG area) <small>1. The Bidder shall indicate and fix tender estimation points. 2. Bidder shall indicate and fix tender estimation points. 3. Bidder shall indicate and fix tender estimation points. 4. Bidder shall indicate and fix tender estimation points. 5. Bidder shall indicate and fix tender estimation points.</small>	Additional EH/CPB other than listed in the schedule shall be considered as additional scope during execution stage.	Tender conditions shall prevail.

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43	Annexure 1, SectionVIIFormsandBids Enclosure to CCP-09, Form 18.9			Liquidated damages for shortfall in performance as observed during performance guarantee tests conducted at site and other site tests.	Applicable for shortfall in performance of BOP supply and for reason attributed to BOP contractor.	Tender conditions shall prevail.
44	Annexure 1, SectionVIIFormsandBids Attachment-11 Page 1 of 3 EPC PACKAGE FOR SATPURA TPS, SARNI- UNIT-12 (1X660 MW) BIDDING DOCUMENT NO.: CW-CM-11233-C-O-M-001 (Guarantee Declaration)			Performance Guaranteed Parameters	Performance guaranteed parameters which are supplied by BOP contractor will be guaranteed. Balance parameters shall be excluded.	Tender conditions shall prevail.
45	SECTION-VI, PART-A	SUB-SECTION-D-1-5 & Clause No. 5.07.00	33 of 134	SEWERAGE SYSTEM: Complete sewerage system including Sewage Treatment Plant for facilities within the plant is in bidder's scope. Bidder shall provide 'Decentralized Sewage Treatment' units. The capacity of the Decentralized Sewage Treatment' units should be as per the design requirements, subject to minimum combined capacity of 75 Cum/day.	Kindly provide the indivial capacities with technical specification and also provide the details of sewage collection from various units and its terminal points with length.	Individual capacity of 3 Nos decentralised STP shall be decided during detail engineering.
46	SECTION-VI PART-B	SUB SECTION-A-01 & Clause No. 3.03.00	47 of 94	Plate Heat Exchangers (TG and SG separate)	Kindly provide - Design Flow Rate of Primary side & Secondary side for TG and SG area.	DATASHEET FOR WATER SYSTEM INPUTS/ PARAMETERS' (part of Annexure-2 of specification).
47	SECTION-VI PART-B	SUB SECTION-A-01 & Clause No. 3.03.00	47 of 94	Self-cleaning Strainers	Kindly provide - Size of SCS and other technical specification.	Tender specification is clear in this regard, however detail sizing of SCS (part of ACW system) is in BOP bidder scope.

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48	SCOPE MATRIX - R1 (BOP on EPC)	SI.No.10 & Liquid effluent treatment plant including Coal Run off water Settling Pond	1 of 43	Effluent upto Sump in BHEL Scope in BTG Island. From Sump outlet including Pump, Piping, Instrumentation & Relay Panel in bidder's scope.	Kindly provide location of the sumps, capacities of pump with working and standby ,pipe line length, size of pipes and also its terminal point.	Effluents collection of various area of the plant including BTG area is clearly mentioned in Tender Specification, however, exact location and capacity shall be finalised during detail engineering. Further bidder to note that complete ETP with piping, pumps, valve,s instruments etc. shall be in bidder's scope.
49	SCOPE MATRIX - R1 (BOP on EPC)	SI.No.35 & PIPE and CABLE RACKS	5 of 43	1. Complete scope Pipe cum cable rack within BOP area shall be in the scope of bidder. However, BHEL Pipe & Cable tray BOQ (size and number) which are coming in BOP area Pipe Rack, will be informed by BHEL for pipe and cable rack design by bidder.	Kindly provide the quantity and the size of the pipe along with flowrate and terminal point details for each cable tray and cable tray of Owner scope in each trestle and terminal point location of all pipings between BOP and BTG package shall be provided.	For bidding pupose required details are avialable, balance shall be given during detail engineering.
50	SCOPE MATRIX - R1 (BOP on EPC)	SI.No.36 & Misc. Tanks (FO, CST, DM & etc.)	5 of 43		Kindly provide list of miscellaneous tank ,volume ,MOC and location details. And also provide required pump and piping details for tanks	Plot plan to be referred for location of Misc Tanks (FO, DM & CST). Capacity and MOC is mentioned in relevant portion of specification – FOHS & DM plant.
51	General Query				Kindly provide pressurising system details (pump flow and head etc..) in Fuel Oil Handling plant.	Pressurising pumps are in BOP Bidder scope. Required inputs (flow and head) at terminal points already provided in corrigendum-3, SI No. A.23.
52	General Query				Kindly provide Pipe length details for Unloading and pressuring system of Fuel oil handling plant.	Tender specification is clear in this regard.
53	General Query				Kindly provide AC & Ventilation system – Room wise schedule details with dimension and Heat load inside the room , Civil drawings for AC & Ventilation.	Tender specification is clear in this regard.

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54	Tehcnical Specification PART A - 1.01.01			All the interconnection with existing piping system to be done by the bidder. All the valves and fittings, Anchors / Additional Supports required for interconnection shall be provided by bidder. Interconnection shall be of minimum 350 Nb Size.	Please provide the clarity on the Scope i.e., in BOP scope or BTG Scope.	Auxiliary Steam System Headers Interconnection is not in BOP Scope.
55	Scope matrix SI No. 17 and Part-A, IIA09, Note b) in CI 1.00.00			Air conditioning and ventilation for intake pump house	Please confirm that the scope of AC, ventilation, fire protection etc for the intake pump house outside the plant boundary is excluded from BOP scope.	Bidder understanding is correct.
56	Scope matrix 14A1& Part-B A10, CI 8.07.00			Raw water intake piping	BOP scope is from plant boundary to the end use point in plant. As per spec Cathodic protection is required for the raw water piping. Normally the Cathodic protection should be considering entire length of piping. Please confirm that Cathodic protection for the piping in BOP will also be provided by BHEL/BHEL's CP contractor.	Cathodic protection is not in BOP Scope of work.
57	Scope matrix 14A1& Part-B A10, CI 8.07.00			Raw water intake piping	The transient analysis for the RW piping will be carried out by BHEL and location of ARV required will be informed to BOP contractor(for the piping inside the plant- BOP scope).	Bidder's understanding is correct, however, location of ARV shall be provided during detail engineering.
58	During Site Visit			For Existing Wagon Tipplers 13, 14 & WT 15 demolition work are under progress.	We observed that lot of dismantled materials, concrete etc are dumped at these zone. We understand that graded level at these zone shall be provided by BHEL	Bidder to refer tender specifications.
59	During Site Visit			Near Proposed Wagon Tippler area AND Proposed stockpile area, there are trees, bushes transmission line.	We understand that obtaining approval from authority, removal of trees, bushes and relocation of existing facilities (as required) will be under BHEL's scope and clear graded level shall be provided by BHEL	Obtaining approval from authority, removal of trees, bushes and relocation of existing facilities along with Levelling & grading of BOP Area is in bidder's scope.

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60	During Site Visit			There is Existing boundary wall and transmission line near to the Proposed stockpile area.	We were informed during our site visit that this wall is to be dismantled and new wall away from the proposed stock pile shall be constructed. Rerouting of transmission line may be required. Please clarify whether the same shall be done by bidder OR Client. In case this is in Bidders scope then material required shall be provided by the Customer / BHEL.	Any rerouting and dismantling of transmission lines, if required shall be in BOP bidder scope. For Boundary wall Bidder to refer tender specifications.
61	PLOT PLAN Drg No. PE-DG-538-100-M001 Rev 1			Existing Conveyor No 4 near 0.0 NS & 900 W	We could not find this conveyor present at site. We understand the same is removed and will not re-installed. Please clarify.	Bidder to refer the plot plan and profile drgs attached with corrigendum-2 dtd. 17.03.26.
62	Tender Binder Pages 334 & 2507 of 7313 and Amendment WS-05, Page 132 of 4456				Please confirm that the final duty parameters of the Condenser are as under: Water Flow Rate = 72,500 m3/hr CWT = 33oC & Range = 9.84oC We will add water flow rates from the station auxiliaries in the BoP scope and design the NDCT. Please let us know.	As per tender specification, min flow for NDCT is 72500 m3/hr. This includes condenser flow and ACW flow (including flow for station aux's, which is under BOP vendor scope). Bidder to proceed accordingly. Further detailing wrt flow break-up for various auxiliaries shall be done during detail engineering.
63	Clauses 5.00.00 & 9.00.00 of Tender Binder Pages 2822 & 2823 of 7313 and				Clause 5.00.00 mentions of PVC/PP/PSC Fills, whereas Clause 9.00.00 calls for modular splash/trickle grid/turbo splash or V bar or Splash Grid fills. Please confirm that Clause 9.00.00 is governing	Tender specifications is clear in this regard.
64	Tender Binder Pages 334 & 2507 of 7313 and Clause 3.01.00 (j), Page 2506 of 7312				The condenser nozzle size given on Page 334 is 2335 mm. And the flow velocity to be considered for sizing the CW piping is 2 m/s as stated at Clause 3.01.00. With a flow rate of 36,250 (72,500/2) m3/hr in each of the branch headers of the NDCT, the minimum ID of the branch headers works out to 2532 mm as against 2335 mm at 2 m/s flow velocity. Please clarify whether 2335 mm is the final size or we should determine it considering the 2 m/s flow velocity. This aspect is important as the motor-operated B/F pricing will be dependent on the branch header size	Please also refer cl no. 3.01.00 (j), of SUB SECTION-A-01, part-B, section-VI of specification.

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65	Clause 2.00.00, Page 2821 of 7312				BHEL includes BIS 18758 for thermal design of IDCTs in all its tenders. As BIS 18705 exists as an Indian Standard for thermal design of NDCTs, BHEL may like to consider including this standard in the specifications. Including the Indian Standards affords enormous benefits to BHEL	Tender specifications is clear in this regard.
66	Clause 5.17.01.02.06 (b), Page 4118 of 7312				This clause requires to limit the crack width of non-water retaining structures, including Shell to 0.2 mm. A 0.2 mm crack width limitation is alright for shell and numerous NDCTs have been designed with this criterion. However, limiting stresses in steel to 130 MPa is not a necessary and overriding requirement to limit the crack width to 0.2 mm. Hence, please confirm that we can design the non-water retaining structures, including the Shell as per IS 3370 and prove with all the necessary calculations that the crack width is limited to 0.2 mm; these calculations will be similar to those warranted for limiting the crack width of water retaining structures to 0.1 mm as per IS 3370. Please confirm.	Bidder to follow tender specification.
67	Foundation Recommendations on Page 806 of 4457 of Corrigendum				An SBC of 52 T/m <sup>2</sup> is permissible at a depth of 7 m below EGL for the NDCT, if the width of the FDN ≥ 5 m. Please confirm that this FDN recommendation is final and all other conflicting clauses can be ignored	Bidder to follow Technical Specification Section VI, Part-B, Clause no. 7.00.00 Foundation system and Geotechnical Data in this regard.
68	Clause 16.1, Page 238 of 7312				The scope matrix and battery limits are mentioned to be in Annexure-2. No such Annexure was found in the tender binder. Please provide us the same.	Bidder to refer the Tender specifications minutely.

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69	Plot Plan – Drg No PE-DG-538-100-M000				The RL in the NDCT and CWPH area is shown to be 439 M in the Plot Plan and site levelling plan & topographical survey but we observe during the site visit that existing level of NDCT area and the existing road level is almost same and Clarifier / WTP area which is adjacent to NDCT area is almost 4 to 5 mtr below the existing road / existing area of NDCT. As per contour drawing, NGL of this portion is 439 Mtrs. If we follow RL 439 M level for NDCT raea, cutting of entire NDCT area will be required and major portion of water treatment / NDCT after cutting / ash slurry pump house will be approx. 4 to 5 or may be more below the existing road level. This area is water logged, hence exact level below the road level could not be assessed. We feel that NDCT area need not be cut but other adjacent area should be filled up to the existing level of NDCT / BHEL may please advise us.	Bidder to follow tender specification, plot plan, topographical survey drawing and Levelling & grading plan available in tender document. Bidder can do topographical survey and bathymetric survey to know the existing ground levels and bed level of water submerged area.
70					As major area of WTP / AHP pump house / CWPH is water logged and connected to water body, chauffer Dam may be required to dewater the area. BHEL may please confirm.	Bidder understanding is correct.
71	Scope Matrix - Electrical System , S.No. 7			Auxiliary Power Transformer.....	In the remarks Column. SATs mentioned in Bidder Scope, please clarify the requirement. If same to be considered in BOP scope, please let us know the ratings & quantity.	Required details are available in ESLD enclosed with tender spec. Bidder to follow the spec.
72	Scope Matrix - Electrical System , S.No. 18			Cables.....	Please refer point no. 3 in remarks column," <b>In case of BHEL supplied equipment to be mounted in BOP area, supply, lyiong &amp; termination of HV &amp; LV Power, Control &amp; Instrumentation cables .....will be in BOP scope"</b> Please clarify the requirement	Cabling for Free Issued Items of BHEL shall be in bidder's Scope of work.
73	Scope Matrix - Electrical System , S.No. 20			Fire Sealing System...	In the remarks column, please specify the tentative quantity of various Fire Sealing material for BTG area.	Shall be provided during details engineering.

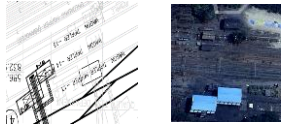
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74	Scope Matrix - Electrical System , S.No. 24			DG Set for Main Plant....	Please indicate the rating & quantity of DG set to be considered for Main Plant, enabling us to consider the same.	Bidder to refer corrigendum-2 dtd. 17.03.26.
75	Single line diagram for main Plant				As Raw water intake and Ash Water Recovery system in not in BOP scope, so transmission line is not in BOP scope, please confirm.	Bidder's understanding is correct.
76		General		Roof Top Solar.....	Please clarify whether roof top solar to be considered in BOP,if yes please indicate the capacity. However we request, as BHEL will be doing the Solar system for other pacakages, to have the same items, request to exclude from BOP package.	Bidder's understanding is correct however bidder to consider the load of Solar PV Panels on the rooftop of BOP Building while design. Necessary inputs for civil design shall be provided during detail engineering.
77		Raw Water Intake System			We understand that the raw water intake system (make up water intake system) from raw water source outside plant boundary upto 5 m inside plant boundary including associated pumps, piping, valves, civil works, geotechnical investigation, electrical works (transformers, transmission line / cabling etc), erection testing & commissioning etc is excluded from scope of work. Please confirm the same.	Bidder understanding is correct.
78		Raw Water Analysis			Please indicate the raw water analysis for sizing the PT plant and water treatment plant.	Tender specification is clear in this regard.
79		Condensate Polishing Unit			As per specification "The design flow (through working vessels) for condensate polishing plant shall be the corresponding condensate flow of TG unit at VWO (Valve wide open) condition at 3% cycle make-up".	Tender specification is clear in this regard.
80					Please confirm this design flow to be considered for sizing the CPU.	Condensate flow at VWO 3% make up condition: 1342.723 tph.

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81		Condensate Polishing Unit – Regeneration			Please clarify whether common regeneration system for DM plant & CPU at one location can be considered. The bulk storage tanks for acid and alkali shall be common for DM plant & CPU and the dosing/ day tanks shall be with separate for CPU & DM plant. The resin from the CPU vessel shall be hydro pneumatically transferred to the regeneration area. Please confirm our understanding.	Tender specification is clear in this regard.
82		Chlorine Dioxide System			Please confirm the dosing rates to be considered for chlorine dioxide system in CW system & PT plant.	Tender specification is clear in this regard.
83		Chemicals, Resins & Consumables			Please confirm the quantity or duration upto which chemicals & consumables for the following systems have to be supplied. 1. Condensate Polishing Plant 2. Water treatment plant	Tender specification is clear in this regard.
84	Plot plan	Drg no PE-DG-538-100-M001			Bidder request client to confirm whether WT-13/14/15 as indicated in the NIT drawing is existing or proposed 	Bidder to refer tender specifications.
85	Plot plan	Drg no PE-DG-538-100-M001			As per proposed layout of BOP few of the existing structures are seems to be fouling with the proposed system hence bidder request client to confirm that dismantling or rerouting of any overground or underground any existing facility will be in in client scope and excluded from bidders scope.	Tender conditions are very clear. Bidder to refer the same.
86	Topographical Survey	Drg no 11233-999-POC-F-002			Bidder request client to provide the contour levels from 200W to 300E and N400 to 0 NS as same are missing in the NIT drawing.	Bidder to follow topographical survey data available in tender specification. Bidder can do topographical survey/bathymetric survey for any missing data.
87	Geo technical Investigation report	Doc no 223079N			Bidder request client to provide the borehole location drawing.	Bore logs with co-ordinates are already available in tender specification. Bidder can get the bore hole location from these co-ordinates.

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88	Geo technical Investigation report	Doc no 223079N			Bidder request client to provide the bore log details at Wagon Tippler and Crusher house area.	Bidder to refer tender specifications, if required bidder to carry out geo-technical investigations.
89	General				Bidder request client to provide the GA & Elevation drawing of the proposed CHP plant.	GA & Elevation drawing of CHP plant is in bidder's scope.
90	General				Bidder request client to confirm that Railway siding works are excluded from Bidders scope including railway approvals if any.	Bidder to refer to the prebid clarifications issued by MPPGCL in this regard. Bidder to perform site visit and verify the same.
91	General				Bidder request client to confirm the disposal lead to be considered for excess excavated earth disposal within plant boundary.	Bidder to refer TECHNICAL SPECIFICATION, SECTION-VI, PART-A, SUB-SECTION-D-1-4 CIVIL WORKS GENERAL LAYOUT PLAN, Caluse No. 4.03.01 PAGE 3 OF 5
92	Overall Budgetory specification for SATPURA_02-03-2026 3 (Excel file)	PT-DM	Guaranteed Clarified Water analysis	2. Effluent quality at the outlet of clarifiers (PT-CW system & PT-DM system) shall be guaranteed for the following: i) Organic Matter : Less than 0.05 mg/l (see note below) ii) Iron Content : Less than 0.3 mg/l iii) Turbidity : Less than 10 NTU	We suggest to consider only Turbidity less than 10 NTU at the outlet of Clarifier. Since the other two parameters such as Iron content and Turbity varies, the same shall not be guaranteed. Request Authority to kindly confirm the same.	Tender specification is clear in this regard. Bidder to follow the same.
93	Overall Budgetory specification for SATPURA_02-03-2026 3 (Excel file)	PT-CW	Guaranteed Clarified Water analysis	2. Effluent quality at the outlet of clarifiers (PT-CW system & PT-DM system) shall be guaranteed for the following: i) Organic Matter : Less than 0.05 mg/l (see note below) ii) Iron Content : Less than 0.3 mg/l iii) Turbidity : Less than 10 NTU	We suggest to consider only Turbidity less than 10 NTU at the outlet of Clarifier. Since the other two parameters such as Iron content and Turbity varies, the same shall not be guaranteed. Request Authority to kindly confirm the same.	Tender specification is clear in this regard. Bidder to follow the same.

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94	Overall Budgetory specification for SATPURA_02-03-2026 3 (Excel file)	DM	Guaranteed Effluent Quality	ANALYSIS OF DM WATER TO BE USED FOR MAKE-UP WATER TO CONDENSER  1. Silica (Max.) 0.02 ppm as Sio2 2. Iron as Fe Nil 3. Total hardness Nil 4. pH value 6.8 to 7.2 5. Conductivity Not more than 0.1 micro mhos / cm excluding the effects of free CO2	We understand that the Silica value provided is only Reactive silica as SiO2	Tender specification requirement is clear regarding the outlet water quality of DM Plant. Bidder to follow the same.
95	Overall Budgetory specification for SATPURA_02-03-2026 3 (Excel file)	DM	Guaranteed Effluent Quality	ANALYSIS OF DM WATER TO BE USED FOR MAKE-UP WATER TO CONDENSER  1. Silica (Max.) 0.02 ppm as Sio2 2. Iron as Fe Nil 3. Total hardness Nil 4. pH value 6.8 to 7.2 5. Conductivity Not more than 0.1 micro mhos / cm excluding the effects of free CO2	We suggest to consider only 1. Reactive silica : max 0.02 ppm as SiO2 2. Iron as Fe Nil 3. pH value: 6.8 to 7.2 4. Conductivity Not more than 0.1 micro mhos / cm excluding the effects of free CO2  Since Hardness will vary, we cannot gurantee the same.  Request Authority to kindly confirm the same.	Tender conditions shall prevail.
96	EPR009-ME-EQ-005 R0 PT and DM CSSP clar enquiry spec 15-2-26 (1)		1.1 PT-CW system	Design and engineering of layout and provision of equipment including gates, inserts, instruments etc. is by Vendor. Civil design and execution is by Purchaser	Request Authority to kindly clarify, Civil drawing inputs required shall be in bidder's scope. All the civil & civil related work shall be excluded from Bidder's scope	Tender conditions shall prevail. However, bidder to note that All the civil & civil related work shall be in bidder's scope.
97	EPR009-ME-EQ-005 R0 PT and DM CSSP clar enquiry spec 15-2-26 (1)	-	1.4 Chemical House Equipment	a) Two (2) numbers of electrically operated monorail hoists for transporting the chemicals from the ground floor to the respective preparation tanks and required number of weighing scales	Request Authority to kindly clarify, Hoist and cranes required in WTP ,DM & chemical plant area is excluded from Bidder's scope. Bidder shall provide inputs for Hoist and cranes required	Tender conditions shall prevail. Hoist and cranes required in WTP ,DM & chemical plant area shall be in bidder's scope.

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98	EPR009-ME-EQ-005 R0 PT and DM CSSP clar enquiry spec 15-2-26 (1)	-	1.4 Chemical House Equipment	b) Lime preparation & dosing system consisting of required number of RCC lime slaking tanks, RCC lime solution preparation tanks,	Request Authority to kindly confirm no of dosing tanks for lime dosing system	Tender specification requirement is clear. Bidder to refer the SINGLE LINE FLOW & INSTRUMENTATION DIAGRAM OF PRE-TREATMENT PLANT for no of lime dosing tank.
99	EPR009-ME-EQ-005 R0 PT and DM CSSP clar enquiry spec 15-2-26 (1)	-	1.4 Chemical House Equipment	d) PAC dosing system consisting of required number of tanks, agitators	Request Authority to kindly confirm no of dosing tanks for PAC dosing system	Tender specification requirement is clear.
100	EPR009-ME-EQ-005 R0 PT and DM CSSP clar enquiry spec 15-2-26 (1)	-	1.4 Chemical House Equipment	e) PE dosing system consisting of required number of tanks, agitators	Request Authority to kindly confirm, no of dosing tanks for PE dosing system	Tender specification requirement is clear.
101	EPR009-ME-EQ-005 R0 PT and DM CSSP clar enquiry spec 15-2-26 (1)	-	1.5 CHEMICAL STORAGE & DOSING SYSTEM	c) Required number emergency safety shower with eye wash units in the Chemical Storage Handling facility at each location such as Acid/Alkali Storage area, Chemical storage area, Chlorination plant area and Chemical preparation & doing equipment area.	Request Authority to kindly confirm, Bidder shall consider emergency safety shower with eye wash units only for chemical area related to PT & DM area	Tender conditions shall prevail.
102	EPR009-ME-EQ-005 R0 PT and DM CSSP clar enquiry spec 15-2-26 (1)	-	1.5 DEMINERALISATION (DM) PLANT - ION EXCHANGE BASED DM PLANT	Filtered Water transfer Pump of required capacity, its drives & associated piping from existing filtered water pump house (in PT area) to DM Plant.	Request Authority to kindly confirm, the distance between existing filtered water pump house (in PT area) to DM Plant/ Filtered Water Transfer Pump.	Filtered water pumps required for DM Plant as well as PT Plant are in bidder's scope.

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103	EPR009-ME-EQ-005 R0 PT and DM CSSP clar enquiry spec 15-2-26 (1)	-	1.10 DEMINEALISATI ON (DM) PLANT - ION EXCHANGE BASED DM PLANT (Bidder may offer ION Exchange or RO-DM plant)	l) Two (2) numbers of DM water storage tank with all accessories.	Request Authority to kindly confirm, Retention time for designing of DM water storage tank	Tender specification requirement is clear.
104	EPR009-ME-EQ-005 R0 PT and DM CSSP clar enquiry spec 15-2-26 (1)	17.00.00	General Technical Requirements	Tools & tackles	Request Authority to kindly confirm, No special tools & tackles are envisaged , supply of any tools & tackles are not in bidders scope.	Tender conditions shall prevail.
105	EPR009-ME-EQ-005 R0 PT and DM CSSP clar enquiry spec 15-2-26 (1)	2	Scope of services	All drawings to be prepared in 3D environment (Smart 3D).	Request Authority to kindly confirm, Bidder wanted to understand the requirement of the Smart 3D software as bidder shall prepare and submit all the drawings in Auto cad 3D in .DWG format	Tender conditions shall prevail.
106	EPR009-ME-EQ-005 R0 PT and DM CSSP clar enquiry spec 15-2-26 (1)	2	Scope of services	All drawings to be prepared in 3D environment (Smart 3D).	Request Authority to kindly confirm, the software to be used for layout drawings in 2D & 3D.(SP3D/ Plant 3D in .DWG format) Also requirements like editable, licensed software etc...	Tender specification requirement is clear.
107	EPR009-ME-EQ-005 R0 PT and DM CSSP clar enquiry spec 15-2-26 (1)		Annexure-1- Scope of Services	Unloading and port clearance, customs clearance, marine insurance, if any	It is requested that unloading, port clearance, customs clearance, and marine insurance be considered under the Purchaser's scope. Authority is kindly requested to confirm the same.	Bidder to note that only Inland Transit cum Storage and E&C Insurance is in BHEL Scope as per TCC Clause no. 3.16. Unloading, port clearance, customs clearance, and marine insurance shall be in bidder's scope.
108	EPR009-ME-EQ-005 R0 PT and DM CSSP clar enquiry spec 15-2-26 (1)		Annexure-1- Scope of Services	Erection & Commissioning	Request Authority to kindly confirm Bidder's scope is limited to Supervision of Erection & Commissioning.	Tender conditions shall prevail.
109	EPR009-ME-EQ-005 R0 PT and DM CSSP clar enquiry spec 15-2-26 (1)	-	Annexure-1- Scope of Services	Makeup of consumables, lubricants and chemicals up to handing over to Client	Request Authority to kindly confirm, Only First fill of consumables, lubricants shall be Bidder's scope up to the PGTR. The chemical used in Water treatment industries are generic in nature. Bidder shall provide MSDS for the same.	Tender conditions shall prevail.

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110	EPR009-ME-EQ-005 R0 PT and DM CSSP clar enquiry spec 15-2-26 (1)	-	Chlorination (ClO2) plant	Scope of Chlorination Plant	We understand that Chlorination plant is not part of the scope. Request Authority to kindly confirm the same.	Tender specification requirement is clear in this regard. Bidder to follow the same.
111	EPR009-ME-EQ-005 R0 PT and DM CSSP clar enquiry spec 15-2-26 (1)	-	Technical requirement	Scope of DM water Storage tank- 2000 m3 (2 nos)	Bidder understand that , this tank is of MS EP of 2000 m3 capacity will be in bidder's scope. Request Authority to kindly confirm the same.	Tender specification requirement is clear.
112	EPR009-ME-EQ-005 R0 PT and DM CSSP clar enquiry spec 15-2-26 (1)	5.05.00	Exchange Resin	However, the anion resin shall be suitable for a minimum temperature of 60 deg.C.	As Per Resin mfg guideline, Maximum operating temperature of Anion Resin will be 60 Deg. C. Request Authority to kindly confirm the same.	Tender specification requirement is clear. Bidder to follow the same.
113	EPR009-ME-EQ-005 R0 PT and DM CSSP clar enquiry spec 15-2-26 (1)	5.07.00	Polishing UF	Gross maximum design flux shall be more than 60 LMH	As this is post UF , bidder would propose PES membrane with flux as 100 LMH bidder has requested to approve the Indigenous manufacturer M/s. TEAM (Membrane Hitech) for UF membrane or any other Indigenous manufacturer who are manufacturing the Molecular weight cut off (approx..) 10000 Daltons In case of Credential required for PES membrane, vender shall provide the same.	Tender conditions shall prevail.
114	EPR009-ME-EQ-005 R0 PT and DM CSSP clar enquiry spec 15-2-26 (1)	15.00.00	Metering Pump/dosing pump	All metering pump Type-Simplex hydraulically operated	DOSING PUMPS OF CAPACITY BELOW 35 LPH ARE ELECTRONIC PULSATION METERING TYPE.  DOSING PUMP OF CAPACITY ABOVE 35 LPH ARE MOTOR OPERATED. (MECHANICALLY ACTUATED PUMP).  ALL PUMPS ARE (DOSING / CENTRIFUGAL PUMPS SHALL BE NON API PUMP)  DOSING PUMP FOR LIME / PE/ ALUM SHALL BE CENTRIFUGAL TYPE PUMP	Tender conditions shall prevail.
115	EPR009-ME-EQ-005 R0 PT and DM CSSP clar enquiry spec 15-2-26 (1)	28	Bulk chemical storage	Bulk chemical storage requirement (Bulk fecl3/ acid/ caustic)	Request Authority to kindly confirm, the scope & Storage days for Bulk acid and Alkali storage	Tender specification requirement is clear. Bidder to follow the same.

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116	EPR009-ME-EQ-005 R0 PT and DM CSSP clar enquiry spec 15-2-26 (1)	17.00.00	Solenoid Valves		Request Authority to kindly confirm, Solenoid Valves shall be enclosure MOC shall be of Dia Cast Alluminium.	Tender specification requirement is clear. Bidder to follow the same.
117	EPR009-ME-EQ-005 R0 PT and DM CSSP clar enquiry spec 15-2-26 (1)	19.05.00	Electronic Flowmeter		As per the Electronic Flowmeter, Flow Totalizer shall not be part of Transmitter .Totalizer can be calculated value in PLC System. Request Authority to kindly confirm the same.	Tender conditions shall prevail.
118	EPR009-ME-EQ-005 R0 PT and DM CSSP clar enquiry spec 15-2-26 (1)	9.02.00	Control Room Location		Request Authority to kindly specify distance of PT & DM Plant to Control room for PT&DM.This information to check the feasibility of IO inetreface and costing thereof.	Tender specification requirement is clear. Bidder to follow the same.
119	EPR009-ME-EQ-005 R0 PT and DM CSSP clar enquiry spec 15-2-26 (1)		Analyzer		Field mounted Transmitter type analyzers like PH,Conductivity,ORP etc shall not have any integral Air conditioning nor can be placed in AC rooms. Please specify if these kind of instruments shall have to placed in AC room then Bidder may havt consider sample handling system to bring sample to Analyzers system and disposal of that sample .	Tender conditions shall prevail.
120	EPR009-ME-EQ-005 R0 PT and DM CSSP clar enquiry spec 15-2-26 (1)	2.01.00	Transmitter		Request Authority to kindly specify applicability of HART with SIL2 certification for PT & DM Plant. Bidder propose to consider normal Transmitter with 4-20mA with HART with out any SIL2 certification.	Tender specification requirement is clear. Bidder to follow the same.
121	EPR009-ME-EQ-005 R0 PT and DM CSSP clar enquiry spec 15-2-26 (1)	2.01.03	Ultrasonic Type level Transmitter		Request Authority to kindly check and confirm, Temperature compensation not aplicable for these type of Instrument .	Tender conditions shall prevail.
122	EPR009-ME-EQ-005 R0 PT and DM CSSP clar enquiry spec 15-2-26 (1)	7.00.00	VIBRATION MONITORING SYSTEM:		Request Authority to kindly clarify requirement of Vibration Monitoring for PT & DM Plant .	Tender specification requirement is clear. Bidder to follow the same.

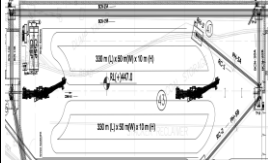
**Corrigendum - 07 dated 26/03/2026 to CPC Tender No. BHEL/CPC/SAT/EPC\_BOP/26/083 for the work of "EPC package for Balance of Plants (BOP) AT MPPGCL SATPURA TPS, Unit-12 (1X660 MW), Sarni (MP)"**

**A) Some of the Bidders had asked queries in the published tender specification. The clarifications issued by BHEL are furnished below**

<b>Sl. No.</b>	<b>Section</b>	<b>Clause</b>	<b>Sheet No</b>	<b>Existing Provisions as per Contract</b>	<b>Bidder clarification / deviation / exclusion / suggestion</b>	<b>BHEL Reply</b>
123	EPR009-ME-EQ-005 R0 PT and DM CSSP clar enquiry spec 15-2-26 (1)	Clause 24,25,26	DEPOSIT MONITOR,BIO-FOULING MONITOR, CORROSION METER		Bidder understand that requirement of these monitors not part /scope of supply to PT/DM Plant Vendor.	Tender specification requirement is clear. Bidder to follow the same.
124	EPR009-ME-EQ-005 R0 PT and DM CSSP clar enquiry spec 15-2-26 (1)		Scope		Request Authority to kindly clarify scope for Electrical Panel, Cable Tray, Instruments Cable, Power &Control Cable, Glands/Lugs,LPBS,Junction Box,Instruments Hook Up Material .	Tender specification requirement is clear. Bidder to follow the same.
125	SECTION VI PART A	1.29.00	PAGE 4 OF 8		Twelve (12) Nos. Metal Detectors complete with all mechanical, electrical, civil, structural works and accessories on Conveyors.	Qty is different from the qty shown in flow diagram. Client to confirm the qty
126	Submission of BOP Package Tie ups				Regarding SI No. 21 of Corrigendum 2 (TCC Chapter-IV, Clause No. 4.8), please clarify if the arrangements/tie-ups with partners for major BOP packages must be submitted with the technical bid or within 30 days of the issuance of the LOI to the successful bidder.	Within 30 days of the issuance of the LOA (Bidder's understanding is correct)
127	Tie-up Format				While SI No. 30 of the NIT Checklist (Annexure 2) mentions "Tie Ups/Consortium Agreement as per format that is given applicable," we could not find the specific format for executing major BOP packages. Could you please provide this if it is to be submitted with the technical submission?	Tie Ups for executing major BOP packages has to be declared on letterhead of successful bidder. In case bidder is qualifying against PQR B.2, bidder needs to submit Consortium agreement (Form F-25 of Forms and Procedures)
128	Engineering/Design Agency Tie-ups				Regarding SI No. 22 of Corrigendum 2 (TCC Chapter-IV, Clause No. 6.2), we understand that tie-ups with engineering/design agencies may be established with multiple consultants and must be submitted using Annexure 14 (provided in Corrigendum 2) along with the tender document. Please confirm if our understanding is correct	Annexure-13 (attached with this corrigendum) to be submitted along with bid for Engineering/Design Agency Tie-ups

**Corrigendum - 07 dated 26/03/2026 to CPC Tender No. BHEL/CPC/SAT/EPC\_BOP/26/083 for the work of "EPC package for Balance of Plants (BOP) AT MPPGCL SATPURA TPS, Unit-12 (1X660 MW), Sarni (MP)"**

**A) Some of the Bidders had asked queries in the published tender specification. The clarifications issued by BHEL are furnished below**

<b>Sl. No.</b>	<b>Section</b>	<b>Clause</b>	<b>Sheet No</b>	<b>Existing Provisions as per Contract</b>	<b>Bidder clarification / deviation / exclusion / suggestion</b>	<b>BHEL Reply</b>
129	Corrigendum02	71	Pdf pg. 14 of 65	Coal consumption:BMCR Design Coal – 467TPH/Unit (11208 Ton/day)	As per client reply, we have calculated storage capacity as follows: 11,208 (t/day) x 20 days = 2,24,160 mt (i.e. 112080 mt each stockpile)	Bidder to provide 20 days storage. Bidder shall accordingly sie the dimensions. The dimensions shown in plot plan are only indicative.
130	PE-DG-538-100-M001_R1P_DTD-12.03.2026		Pdf pg. 1 of 1	As per Stockpile layout drawing, L x W x H are 330 m x 50 m x 10 m respectively.  	As per the stockpile layout drawing( 330 m length, 50 m width, 10 m height and bulk density of 0.8 t/m3, we have worked out stockpile capacity of approximately 1,74,000 mt (i.e. approx. 87000 mt each stockpile). This would provide approx. 15.5 days of storage based on given coal consumption rate.  Both clauses are contradictory. Hence bidder has followed stockpile layout drawing considering length, width and height to be 330 m, 50 m & 10 m respectively.	

**Corrigendum - 07 dated 26/03/2026 to CPC Tender No. BHEL/CPC/SAT/EPC\_BOP/26/083**

**Description:** EPC package for Balance of Plants (BOP) AT MPPGCL SATPURA TPS, Unit-12 (1X660 MW), Sarni (MP)

**B): Following Clauses of TCC are amended**

Sl. No.	Reference Tender Clauses	Existing Provisions	Amended Provisions
1	<p>Corrigendum-2 dtd. 17.03.26</p> <p>Point No. B.8</p> <p>TCC Chapter-3, Clause No. 3.2</p>	<p><b>Design &amp; Engineering:</b></p> <p>Scope for this package bidder shall include design, basic engineering, detail engineering, submission of engineering drawing/ fabrication drg./ calculations/ datasheets/ Quality Assurance Plans/ Field Quality Plans, Performance Guarantee Test Procedure, Erection and Commissioning Procedure, Operation &amp; Maintenance Manuals, As built drawings and obtaining the approval from Owner (MPPGCL) / Owner’s Consultant / BHEL for all civil, structural, mechanical, electrical, C&amp;I equipment/ items / systems for complete BALANCE OF PLANTS (BOP) AS PER SCOPE MATRIX AND PLOT PLAN BATTERY LIMIT enclosed as annexures along with this Technical conditions of contract (TCC).</p> <p>3D Model submission of complete BALANCE OF PLANTS (BOP) AS PER SCOPE MATRIX AND PLOT PLAN BATTERY LIMIT enclosed as annexures along with this Technical conditions of contract (TCC) including Mechanical, electrical, civil, structural, HVAC, C&amp;I work etc. in E3D/TEKLA software. (Refer Annexure-7)</p> <p><b>ENGINEERING EXCELLENCE</b></p> <p>Design Agency qualifying the requirement as specified in Chapter-VI, Sub-Qualification Requirement shall be responsible for detailed engineering and obtaining</p>	<p><b>Design &amp; Engineering:</b></p> <p>Scope for this package bidder shall include design, basic engineering, detail engineering, submission of engineering drawing/ fabrication drg./ calculations/ datasheets/ Quality Assurance Plans/ Field Quality Plans, Performance Guarantee Test Procedure, Erection and Commissioning Procedure, Operation &amp; Maintenance Manuals, As built drawings and obtaining the approval from Owner (MPPGCL) / Owner’s Consultant / BHEL for all civil, structural, mechanical, electrical, C&amp;I equipment/ items / systems for complete BALANCE OF PLANTS (BOP) AS PER SCOPE MATRIX AND PLOT PLAN BATTERY LIMIT enclosed as annexures along with this Technical conditions of contract (TCC).</p> <p>3D Model submission of complete BALANCE OF PLANTS (BOP) AS PER SCOPE MATRIX AND PLOT PLAN BATTERY LIMIT enclosed as annexures along with this Technical conditions of contract (TCC) including Mechanical, electrical, civil, structural, HVAC, C&amp;I work etc. in E3D/TEKLA software. (Refer Annexure-7)</p> <p><b>ENGINEERING EXCELLENCE</b></p> <p>Design Agency qualifying the requirement as specified in Clause No. 6.2, Chapter-VI, Sub-Qualification Requirement shall be responsible for detailed engineering and obtaining approvals from the design/engineering centres of BHEL, the Owner (MPPGCL) and their Consultant, for entire work of EPC Package of Balance of Plant for</p>

## Corrigendum - 07 dated 26/03/2026 to CPC Tender No. BHEL/CPC/SAT/EPC\_BOP/26/083

**Description:** EPC package for Balance of Plants (BOP) AT MPPGCL SATPURA TPS, Unit-12 (1X660 MW), Sarni (MP)

Sl. No.	Reference Tender Clauses	Existing Provisions	Amended Provisions
		<p>approvals from the design/engineering centres of BHEL, the Owner (MPPGCL), and their Consultant, until completion of the Project.</p> <p>The Bidder shall submit, along with the tender, a joint undertaking with the Design Agency as per Annexure-13 confirming that the Design Agency will be engaged for the entire scope of work upon award of the job by BHEL.</p>	<p>1X660 MW Satpura Project, Unit-12, Sarni, M.P, until completion of the Project.</p> <p><b>No Drawing shall be accepted by BHEL without vetting by approved Engineering/Design consultant.</b></p>
2	<p>Corrigendum-2 dtd. 17.03.26</p> <p>Point No. B.9</p>	<p>Annexure-13: JOINT UNDERTAKING WITH THE DESIGN AGENCY</p>	<p>Annexure 13: Confirmation/Declaration The format is attached.</p>
2.a	<p>Clause No- 10.6 of TCC</p>	<p>The EPC Bidder shall enter into a tie-up with a qualified Design Agency, who will be responsible for detailed engineering and obtaining approvals from the design centres of BHEL, the Owner (MPPGCL), and their Consultant, until completion of the Project.</p> <p>The Bidder shall submit, along with the tender, a joint undertaking with the Design Agency confirming that the Design Agency will be engaged for the entire scope of work upon award of the job by BHEL.</p>	<p>The EPC Bidder shall enter into a tie-up with a qualified Design Agency, who will be responsible for detailed engineering and obtaining approvals from the design centres of BHEL, the Owner (MPPGCL), and their Consultant, for entire work of EPC Package of Balance of Plant for 1X660 MW Satpura Project, Unit-12, Sarni, M.P, until completion of the Project.</p> <p>The Bidder shall submit, along with the tender, a <b>declaration</b> as per Annexure-13.</p> <p><b>The Successful Bidder shall submit the following documents to BHEL within 30 days of issuance of the LOA issued by BHEL:</b></p> <ul style="list-style-type: none"> <li>• An unpriced copy of the WO/LOA issued to the respective Design Partner</li> <li>• The detailed scope of work of the respective Design Partner</li> </ul>
3	<p>TCC Chapter VI</p>		<p>Subcontractors either listed or not listed in Schedule [SECTION-VI, PART-B, SUB-SECTION-V-E-60 INDICATIVE VENDOR LIST], or any changes to the identified subcontractors, shall require prior approval from the BHEL as</p>

## Corrigendum - 07 dated 26/03/2026 to CPC Tender No. BHEL/CPC/SAT/EPC\_BOP/26/083

**Description:** EPC package for Balance of Plants (BOP) AT MPPGCL SATPURA TPS, Unit-12 (1X660 MW), Sarni (MP)

Sl. No.	Reference Tender Clauses	Existing Provisions	Amended Provisions
	New Clause added as Clause no. 6.4		well as Owner/MPPGCL. Subcontracting shall not relieve the Contractor of any obligation, duty, or responsibility under the Contract.  Any subcontracting to parties not approved or not listed in Schedule [SECTION-VI, PART-B, SUB-SECTION-V-E-60 INDICATIVE VENDOR LIST], shall be considered null and void.
4	Scope Matrix  Annexure-2 referred in Chapter-XVI of TCC	ESLD (Page No. 40 of 43)	Updated ESLD attached
5	TCC Chapter-X, Clause No. 10.7	The BOP EPC Bidder qualifying under Technical Criteria B3 and B4 of PQR shall, establish necessary arrangements/tie-ups with the respective partners responsible for execution of the following major BOP Packages: <ul style="list-style-type: none"><li>• Stacker Reclaimer</li><li>• Coal Handling Plant</li><li>• Ash Handling Plant</li><li>• Cooling Tower- NDCT</li><li>• Water Systems</li></ul> The Successful Bidder shall submit the following documents to BHEL within 30 days of issuance of the LOI:	Deleted.  Clause No. 4.8 of TCC shall be referred in this regard.

## Corrigendum - 07 dated 26/03/2026 to CPC Tender No. BHEL/CPC/SAT/EPC\_BOP/26/083

**Description:** EPC package for Balance of Plants (BOP) AT MPPGCL SATPURA TPS, Unit-12 (1X660 MW), Sarni (MP)

Sl. No.	Reference Tender Clauses	Existing Provisions	Amended Provisions
		<ul style="list-style-type: none"> <li>• An unpriced copy of the PO/LOI issued to the respective BOP Partner</li> <li>• The detailed scope of work of the respective BOP Partner</li> </ul> <p>Failure to submit the above documents within the stipulated period shall entitle BHEL, at its sole discretion, to descope the concerned BOP Package from the Successful Bidder.</p>	
6	TCC Chapter-III, Clause No. 3.25	<p>Bidder to note that, for the purpose of Owner (MPPGCL) conditions which requires item/component (such as DDCMIS, VMS) of same make to be used across various packages/system throughout the power plant. DDCMIS, VMS and their HMI &amp; LVS for various packages will be free issued items to BOP Vendor by BHEL. However, Bidder has to provide relevant engineering inputs. Handling, Storage, Erection, Testing &amp; Commissioning of aforementioned items shall be in the scope of the BOP Bidder, however BHEL shall provide necessary assistance for the same.</p> <p>Profibus System (along with profibus hardwares, cables and associated instruments) for BOP area shall be in BOP vendor scope.</p> <p>BOP vendor to place PO for Profibus system for BOP area considering the clause 4.00 of Standardisation of Hardware of TECHNICAL SPECIFICATION SECTION-VI, PART-B BID DOC NO.: CW-CM-11233-C-O-M-001 and after confirmation from BTG vendor for compliance of the same.</p>	<p>Bidder to note that, for the purpose of Owner (MPPGCL) conditions which requires item/component (such as DDCMIS, VMS) of same make to be used across various packages/system throughout the power plant. DDCMIS, VMS and their HMI &amp; LVS for various packages will be free issued items to BOP Vendor by BHEL. However, Bidder has to provide relevant engineering inputs. Handling, Storage, Erection, Testing &amp; Commissioning of aforementioned items shall be in the scope of the BOP Bidder, however BHEL shall provide necessary assistance for the same.</p> <p>Profibus System (along with profibus hardwares, cables and associated instruments) for BOP area shall be in BOP vendor scope.</p> <p>BOP vendor to place PO for Profibus system for BOP area considering the clause 4.00 of Standardisation of Hardware of TECHNICAL SPECIFICATION SECTION-VI, PART-B BID DOC NO.: CW-CM-11233-C-O-M-001 and after confirmation from BTG vendor for compliance of the same.</p>

**Corrigendum - 07 dated 26/03/2026 to CPC Tender No. BHEL/CPC/SAT/EPC\_BOP/26/083**

**Description:** EPC package for Balance of Plants (BOP) AT MPPGCL SATPURA TPS, Unit-12 (1X660 MW), Sarni (MP)

Sl. No.	Reference Tender Clauses	Existing Provisions	Amended Provisions				
			Sl. No.	Nature of services	Category-I Artisan/ Supervisory Foreman (S1 to S3A)	Category-II Advisory Supervisory Engineers (E1 to E3)	Category-III Chief Supervisory (E4 & above)
			A	Supervision of erection for main equipment - <b>(Monthly rate)</b>	368800	517500	721100
			B	Supervision of erection for main equipment - <b>(Daily rate)</b>	22700	30500	44200
			C	Normal Supervision service - <b>(Daily rate)</b>	31800	42700	61900
			D	Premium Supervision service - <b>(Daily rate)</b>	44500	59800	86700
			E	Premium Expert Supervision - <b>(Daily rate)</b>	62300	83700	121400
			<p><b>NOTE:</b></p> <p>1. Above rates are valid up to 31/03/2026 only. Charges may be revised beyond 31/03/2026.</p> <p>2. Rates as indicated in sl. No. A above are applicable for site posting more than 180 days only.</p> <p>3. The daily rates refer to a normal working time of 8 hours and 6 days per week. All overtime hours worked in excess of the normal working hours, including night work, work on Sundays, public holidays will be charged at 100% extra.</p>				

**Corrigendum - 07 dated 26/03/2026 to CPC Tender No. BHEL/CPC/SAT/EPC\_BOP/26/083**

**Description:** EPC package for Balance of Plants (BOP) AT MPPGCL SATPURA TPS, Unit-12 (1X660 MW), Sarni (MP)

Sl. No.	Reference Tender Clauses	Existing Provisions	Amended Provisions
			<p>4. The applicable hourly rate will be calculated by dividing the daily rates by 8 (eight).</p> <p>5. Man-days shall be counted from the date of personnel leaving the headquarters.</p> <p>6. The above rates are exclusive of GST as applicable. The rates are also exclusive of to-and-fro fare (Air, Rail, Road), accommodation/ hotel charges, local convenience charges, misc. charges etc. which shall be charged extra.</p> <p>7. Premium services supervision rates shall be restricted for deputation of specialist in following area only.</p> <p>i. Solution to operational/ generic problems (trouble shooting).</p> <p>ii. Services sought for failure investigation.</p> <p>iii. Special repair of components at site by specialist from BHEL manufacturing units.</p> <p>iv. Special adjustment/ testing of equipment at site other than routine overhauling.</p> <p>v. Engineering/ technical supports for inspection/ analysis.</p> <p>8. Premium expert supervision rates shall be restricted for deputation of experts in following area only.</p> <p>i. Emergency services during operational breakdown.</p>

## Corrigendum - 07 dated 26/03/2026 to CPC Tender No. BHEL/CPC/SAT/EPC\_BOP/26/083

**Description:** EPC package for Balance of Plants (BOP) AT MPPGCL SATPURA TPS, Unit-12 (1X660 MW), Sarni (MP)

Sl. No.	Reference Tender Clauses	Existing Provisions	Amended Provisions
			<p style="color: red;">ii. Vibration diagnostic study and site balancing.</p> <p style="color: red;">iii. Experts for C&amp;I/ Excitation system.</p>

### C): Following clause of NIT is amended

Sl. No.	Reference Tender Clauses	Existing Provisions	Amended Provisions
<b>1</b>	Clause no. 36 of NIT (Ordering Philosophy)	<p><b>I.</b> LOI shall be given to successful bidder for the entire scope of work by CPC upon finalization of the package.</p> <p><b>II.</b> Subsequently, Successful Bidder shall submit the broad BBU in line with TCC as per the attached Chapter-XIX of TCC within 7 days from date of LOI</p> <p><b>III.</b> Based on Approved BBU, CPC will release separate LOA as mentioned below, for execution/ billing for the value as derived from the approved BBU in the following manner:</p> <p>Four (4) Nos different LOAs shall be released in the manner mentioned below packages</p> <p><b>a.</b> Supply of Plant and Equipment including Type Tests</p> <p><b>b.</b> Installation Services- Erection and Commissioning</p>	<p><b>i).</b> LOA shall be given to successful bidder for the entire scope of work by CPC upon finalization of the package.</p> <p><b>ii).</b> Subsequently, Successful Bidder shall submit the broad BBU in line with TCC as per the attached Chapter-XIX of TCC within 7 days from date of LOA</p> <p><b>iii).</b> Based on Approved BBU, CPC will release separate Work Order (WO) as mentioned below, for execution/ billing for the value as derived from the approved BBU in the following manner:</p> <p>Four (4) Nos different WOs shall be released in the manner mentioned below packages</p> <p><b>a).</b> Supply of Plant and Equipment including Type Tests</p> <p><b>b).</b> Installation Services- Erection and Commissioning including</p>

**Corrigendum - 07 dated 26/03/2026 to CPC Tender No. BHEL/CPC/SAT/EPC\_BOP/26/083**

**Description:** EPC package for Balance of Plants (BOP) AT MPPGCL SATPURA TPS, Unit-12 (1X660 MW), Sarni (MP)

Sl. No.	Reference Tender Clauses	Existing Provisions	Amended Provisions
		<p>including Transportation (Main Supply), Training &amp; AMC</p> <p><b>c.</b> Civil and Site Fabricated Structural Works.</p> <p><b>d.</b> Mandatory Spares including Transportation – Within 24 months of placing <b>LOI</b> in line with customer requirement</p> <p><b>IV.</b> BHEL shall reserve the right to divide/redistribute the ordering in some other manner as well (if required) at any point during ordering stage in order to have smooth operation/ execution. Decision of BHEL in this regard shall be final and binding on the vendor/ contractor</p> <p><b>V.</b> The division of package during ordering, as mentioned above, shall not in any way dilute the responsibility of the seller/ Contractor for the successful completion of the Facilities as per Technical Specifications and Terms &amp; Conditions and a breach in one part/ order shall automatically be construed as a breach of the other part (s)/ Order (s) which will confer a right on the BHEL to take action on the seller/ contractor as per the terms &amp; conditions on the other part (s)/ Order (s) also.</p>	<p>Transportation (Main Supply), Training &amp; AMC</p> <p><b>c).</b> Civil and Site Fabricated Structural Works.</p> <p><b>d).</b> Mandatory Spares including Transportation – Within 24 months of placing <b>LOA</b> in line with customer requirement</p> <p><b>iv).</b> BHEL shall reserve the right to divide/redistribute the ordering in some other manner as well (if required) at any point during ordering stage in order to have smooth operation/ execution. Decision of BHEL in this regard shall be final and binding on the vendor/ contractor</p> <p><b>v).</b> The division of package during ordering, as mentioned above, shall not in any way dilute the responsibility of the seller/ Contractor for the successful completion of the Facilities as per Technical Specifications and Terms &amp; Conditions and a breach in one part/ order shall automatically be construed as a breach of the other part (s)/ Order (s) which will confer a right on the BHEL to take action on the seller/ contractor as per the terms &amp; conditions on the other part (s)/ Order (s) also.</p> <p>Tender clauses anywhere else shall be read and interpreted accordingly</p>

**Corrigendum - 07 dated 26/03/2026 to CPC Tender No. BHEL/CPC/SAT/EPC\_BOP/26/083**

**Description:** EPC package for Balance of Plants (BOP) AT MPPGCL SATPURA TPS, Unit-12 (1X660 MW), Sarni (MP)

**D): Sl. no. B.14 at Page no. 64 of Corrigendum 02 Dtd 17/03/2026 is to be read as below:**

Sl. No.	Reference Tender Clause	Existing Clause	Amended Clause
14	Scope Matrix Point No. A.19	Complete Pkg by BOP Vendor	Complete Pkg by <b>BHEL</b>

**E): Sl. no. A.54 at page 9 of Corrigendum 03 dtd 20/03/2026 is to be read as below:**

Sl. no.	Reference Clause	Existing Provision	Bidder's Query	BHEL's Reply						
54	Annexure 2- SCOPE MATRIX - R1 (BOP on EPC), Sr. No. 19- Inert Gas Extinguishing System (IGES)	<p>the column "Scope in Agency" indicates BHEL scope. However broad scope indicates "Complete package by BOP vendor" –</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td align="center">19</td> <td>Inert Gas Extinguishing System (IGES) for Central Control Room (CCR)</td> <td align="center">BHEL</td> <td align="center">Complete Pkg by BOP Vendor</td> <td align="center">BHEL</td> <td align="center">BHEL</td> </tr> </table>	19	Inert Gas Extinguishing System (IGES) for Central Control Room (CCR)	BHEL	Complete Pkg by BOP Vendor	BHEL	BHEL	Broad scope shall be corrected to "Complete pkg by BHEL"	Bidders understanding is correct
19	Inert Gas Extinguishing System (IGES) for Central Control Room (CCR)	BHEL	Complete Pkg by BOP Vendor	BHEL	BHEL					

Annexure-13 (Rev 01)

**CONFIRMATION/DECLARATION**

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir/Madam,

**Subject:** Declaration for Tie-up with a Qualified Design Agency for EPC Package of Balance of Plant for 1X660 MW Satpura Project, Unit-12, Sarni, M.P

**Ref:** NIT/Tender Specification No:

I/We, \_\_\_\_\_ hereby declare and confirm that we shall engage and tie-up with a Design and Engineering agency for carrying out the Design & Engineering of for entire work of EPC Package of Balance of Plant for 1X660 MW Satpura Project, Unit-12, Sarni, M.P, within 30 days of issuance of the LOA, in the event of order on us, as per TCC Clause No- 6.2 of Chapter-VI, Sub-Qualification Requirement.

Sign. of the AUTHORISED SIGNATORY

(With Name, Designation and Company seal)

Place:

Date:

