

Corrigendum - 03 dated 21/08/2026 to CPC Tender No. BHEL/CPC/DRL/EPC_AHP/27/027

Work Description - EPC of Ash Handling System at 1X800 MW NTPC Darlipali Stage-II, Odisha

A) Following new clauses have been added to Explanatory Notes for the PQR at Annexure 1 of NIT

Sl. No.	New Clause no.	Description
1	Clause no. 7 to Explanatory Notes for the PQR:	Completion date for achievement of the technical criteria specified in the Technical' criteria of PQR (as in 'B & C' above) should be in the last 10 years ending on the 'latest date of Bid Submission' of Tender irrespective of date of the start of work. Completion date shall be reckoned from the "FY quarter of bid submission".
2	Clause no. 8 to Explanatory Notes for the PQR:	'EXECUTED' means the bidder should have achieved the criteria specified in the Technical criteria of PQR (as in 'B & C' above) even if the Contract has not been completed or closed.

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

Sl. No.	Reference clause of Tender Document	Existing provision	Bidder's Queries	BHEL Reply
1	General	ESP Ash % distribution	Customer to share ESP field wise ash distribution data considering a) All Fields working b) First Two fields out condition	ESP Ash distribution is enclosed with this Corrigendum as Annexure A
2	General	Material of construction & design of all proprietary items like Fly ash diffuser valve (FAD), paddle mixer, Material handling valves, etc.	All these equipment's being proprietary in nature, manufacturer shall provide their own standard design & MOC, which is proven & working in many domestic & international plants successfully over the years. Hence MOC of all proprietary item will as per manufacturer standard as these are approved by NTPC is past executed projects	Bidder to follow NTPC specification and Amendments/Clarifications. The same shall be discussed during detail engineering.
3	General	-	Customer is requested to provide the following -	Details shall be provided during detail engineering.

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Sl. No.	Reference clause of Tender Document	Existing provision	Bidder's Queries	BHEL Reply
			a. Location of Utilities with available pressure and temperature at the tap off point. b. Available Cooling & Service Water Quality, Quality & type of Instrument or Service Air considered. c. General arrangement drawing of Boiler, ESP and Piperack adjacent to boiler auxiliaries to plan the routing & design of ash handling pipes.	
4	General	-	Location of Drain pumps are not clear. Kindly furnish the locations and the quantity of Drain pumps.	NTPC Specification and flow diagram is clear regarding drain pumps location and quantity. Bidder to follow the same
5	General	-	Number of cycles for 1st stage ESP DEPAC conveying system is approximately 20 nos cycles/hr, and 2nd stage from Fine/Coarse ash hopper to Fine/Fly ash storage silo is 30 nos cycle/hr.	Bidder to follow NTPC specification and Amendments/Clarifications. The same shall be discussed during detail engineering.
6	General	-	Since there is no ash dyke shown in SLFD or plot plan, hence please confirm number of discharge point in ash dyke	Bidder scope of slurry pipes is up to plant boundary.
7	General	-	Please confirm Ash water recovery system, its scope of supply and terminal points.	Bidder scope regarding recovery system is specified in TCC clause no 09.00.00 (g)

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8	General	-	Please provide Boiler Seal plate drawing.	Details shall be provided during detail engineering.
9	General	-	Please provide the required quantity for the instrument air compressors.	Instrument air compressors are not in the scope of AHP bidder. Refer BHEL TCC
10	Annexure - 9, Ash Collection Data Cl. 3	Ash particle size distribution	The ESP ash PSD has been considered as below, based on past similar NTPC contracts. PSD % < Size, microns 10% <10 microns 25% <10-20 microns 50% <45 microns 75% <60-120 microns 90% <120-150 microns 95% <150-200 microns 100% <200-300 microns	Refer BHEL Ash collection and distribution data. However, bidder's consideration shall also be discussed during detail engineering
11	Annexure - 9, Ash Collection Data Cl. 4	Economizer hoppers 4	Please confirm the number of hoppers as discrepancy in ash data document and SLFD	Regarding no of hoppers, bidder to refer BHEL ash collection data. Number of hoppers shown in flow diagram is indicative.
12	Single line flow diagram for ash handling system (Vacuum / Pressure System) XXXX-001-POM-A-027 / A-028 Rev.1	AHP Flow Diagram	Bidder has considered butterfly valve AC operated in place of motorized valve for ECO / ECO DUCT/ APH /AH ESP duct water line station. Please confirm	Bidder to follow NTPC specification and Amendments/Clarifications.

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Sl. No.	Reference clause of Tender Document	Existing provision	Bidder's Queries	BHEL Reply
13	Single line flow diagram for ash handling system (Vacuum / Pressure System) XXXX-001-POM-A-027 / A-028 Rev.1	Duct / AHP Hopper shall have flushing apparatus as specified in the SLFD	Bidder propose proprietary spray ring / Jet pump arrangement instead of flushing apparatus for slurry conveying from hoppers to Coarse ash tank.	Bidder to follow NTPC specification and Amendments/Clarifications.
14	Single line flow diagram for ash handling system (Vacuum / Pressure System) XXXX-001-POM-A-027 / A-028 Rev.1	AHP Flow Diagram - Pressure / Vacuum conveying system	As per process requirements, the PT, TE, and PT instruments shown on the SLFD for the ash conveying line are not required. Therefore, they can be supplied loose for monitoring purposes only and will not be included in the operating philosophy interlocks.	Bidder to follow NTPC specification and Amendments/Clarifications.
15	Single line flow diagram for ash handling system(Pressure System)XXXX-001-POM-A-028 Rev.1	AHP Flow Diagram - Pressure conveying system	As per bidder standard design we have provided vent valve with vent line dedicated per vessel connected to ESP hopper individually (ESP Field 1-5) as shown in bidder Key Process diagram and as per past executed NTPC contracts.	Bidder to follow NTPC specification and Amendments/Clarifications. The same shall be discussed during detail engineering.

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Sl. No.	Reference clause of Tender Document	Existing provision	Bidder's Queries	BHEL Reply
16	Single line flow diagram for ash handling system (Vacuum / Pressure System) XXXX-001-POM-A-027 / A-028 Rev.1	AHP Flow Diagram - Pressure system from ESP to HCSD cum Fly Ash Storage Silo	We request NTPC to consider the ESP first stage conveying system scheme as per below 1. ESP first 1 to 4 fields to be connected with one conveying line instead of ESP first 1 to 3 fields. 2. Accordingly other 5 to 10 fields to be connected with one conveying line instead of 4 to 10 fields. We have followed this philosophy in our earlier executed NTPC contract.	Bidder to follow NTPC specification and Amendments/Clarifications. The same shall be discussed during detail engineering.
17	Single line flow diagram for ash handling system (Vacuum / Pressure System) XXXX-001-POM-A-027 / A-028 Rev.1	AHP Flow Diagram - Vacuum conveying system - Pressure System from ESP to Buffer Hopper	Vacuum conveying system conveying line configuration shall be as per bidder's process flow diagram and NTPC past executed contracts.	Bidder to follow NTPC specification and Amendments/Clarifications. The same shall be discussed during detail engineering.
18	Single line flow diagram for ash handling system (Vacuum / Pressure System) XXXX-001-POM-A-027 / A-028 Rev.1	AHP Flow Diagram - Pressure conveying system from Buffer Hopper to HCSD cum Storage silo / Classifier	Pressure conveying system conveying line configuration shall be as per bidder's process flow diagram and NTPC past executed contracts.	Bidder to follow NTPC specification and Amendments/Clarifications. The same shall be discussed during detail engineering.

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Sl. No.	Reference clause of Tender Document	Existing provision	Bidder's Queries	BHEL Reply
19	Technical Specification Section -VI, Part - A Bid Doc. No. - CS-9551-001-2 Sub-section: A-21 Ash Handling Plant Cl. 1.03.00 (E) (c)	In case fine ash and coarse ash is coming through same pipelines to the classifiers, Classification of 40 % of ESP ash (40% of ash conveying capacity) in ash classifiers is to be provided. The remaining unclassified ash shall be taken directly to the coarse fly ash hopper.	For system design purpose, we are assuming Classifier will classify 50% of fly ash below 45 microns going to fine ash hopper/silo and remaining 50 % above 45 microns will be going to coarse ash hopper/silo. Total	Bidder to follow NTPC specification and Amendments/Clarifications. The same shall be discussed during detail engineering.
20	Technical Specification Section -VI, Part - B Bid Doc. No. - CS-9551-001-2 Sub-section: A-21 Ash Handling Plant Cl. 1.01.03	Bottom Ash Water Impound Hopper Discharge Feed Gates Quantity and Size: 6 nos. and 900 x 900 mm (min) per hopper Material of construction: Gate: CI as per IS 210 Gr FG 260 Feed gate housing - MS to IS 2062 Grade B; 10 mm thick (min) Gate wear liners: 6 mm thick SS:316 Housing wear plates/impingement plates: 25 mm thick Cast Iron IS:210, Gr. FG-260	Bidder's material of construction shall be as follows, Ash Sluice Gate 1. Ash Sluice Gate: CI as per IS 210 Gr FG 260 2. Frame: CI as per IS 210 Gr FG 260 3. Liner-25mm thk: CI as per IS 210 Gr FG 260 4. Enclosure: MS IS2062 10 mm thick	Bidder to follow NTPC specification and Amendments/Clarifications. The same shall be discussed during detail engineering.
21	Technical Specification Section -VI, Part - B Bid Doc. No. - CS-9551-001-2 Sub-section: A-21 Ash Handling Plant Cl. 1.01.04	Metallurgy required as per the specifications	Bidder's jet pumps shall have metallurg as below, Jet Pumps 1. Tube-Combining: ACI/Durite with min BHN 550 2. Nozzle: SS410/Ceramic insert 3. Body: Combining: ACI/Durite with min BHN 550	Bidder to follow NTPC specification and Amendments/Clarifications. The same shall be discussed during detail engineering.

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22	Technical Specification Section -VI, Part - B Bid Doc. No. - CS-9551-001-2 Sub-section: A-21 Ash Handling Plant Cl. 1.02.04	Metallurgy required as per the specifications	Bidder's crusher shall have below metallurgy Crusher-Single Roll 1. Body: MS IS 2062 2. CAM:ACI/Durite with min BHN 550 3. ANVIL plate: ACI/Durite with min BHN 550 4. Combing Plate: ACI/Durite with min BHN 550 5. Shaft:EN24 6. Wear Plate: ACI/Durite with min BHN 550 7. Shaft Sleeve SS 410 8. Liner: Not Applicable	Bidder to follow NTPC specification and Amendments/Clarifications. The same shall be discussed during detail engineering.
23	Technical Specification Section -VI, Part - B Bid Doc. No. - CS-9551-001-2 Sub-section: A-21 Ash Handling Plant Cl. 1.02.04	Metallurgy required as per the specifications	Bidder proprietary valves for Pressure conveying system will be as per bidder design & MOC will be similar to as supplied in past executed contracts including NTPC Projects. VALVE - STRAIGHT DROP GATE, 8" X 10", AC OPTD (DEPAC Vessel Inlet valve) Body: Gray Iron Class G-4000 250 BHN Min Disc: Durite H / Alloy CI 550 BHN Seat: Durite H / Alloy CI 550 BHN	Bidder to follow NTPC specification and Amendments/Clarifications. The same shall be discussed during detail engineering.

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24	Technical Specification Section -VI, Part - BBid Doc. No. - CS-9551-001- 2Sub-section: A-21Ash Handling PlantCl. 1.02.04	Metallurgy required as per the specifications	Fly Ash Diffuser (FAD) (ESP Field 1 to 4 below ESP hopper & for second stage conveying Nuvafeeder vessel inlet/outlet)Body: Gray iron G4000, 250 BHNDisc: DUIRTE/Alloy CI with min 550 BHNSeat DUIRTE/Alloy CI with min 550 BHN	Bidder to follow NTPC specification and Amendments/Clarifications. The same shall be discussed during detail engineering.
25	Technical Specification Section -VI, Part - B Bid Doc. No. - CS-9551- 001-2 Sub-section: A-21 Ash Handling Plant Cl. 1.02.04	Metallurgy required as per the specifications	Bidder proprietary valves for vacuum conveying system will be as per Bidder design & MOC will be ash per below: Fly ash intake Inlet Hopper – Gray Iron, G3000, Min. 250 BHN Valve Body – Gray Iron Class G4000, 250 BHN min. Valve Disc – Durite H/Alloy CI, 400 BHN Seat – Durite H/Alloy CI, 400 BHN Intake Tee – Gray Iron Class G4000, Min. 250 BHN	Bidder to follow NTPC specification and Amendments/Clarifications. The same shall be discussed during detail engineering.

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26	Technical Specification Section -VI, Part - B Bid Doc. No. - CS-9551-001-2 Sub-section: A-21 Ash Handling Plant Cl. 1.02.04	Metallurgy required as per the specifications	Bidder proprietary valves for Vacuum conveying system will be as per Bidder design & MOC will be as per below: TERS Gate (Totally Enclosed Rotary Slide Gate) Body- Gray Iron class G4000, 250 BHN Slide – Gray Iron class G4000, 250 BHN Shaft- C40, IS1570	Bidder to follow NTPC specification and Amendments/Clarifications. The same shall be discussed during detail engineering.
27	Technical Specification Section -VI, Part - B Bid Doc. No. - CS-9551-001-2 Sub-section: A-21 Ash Handling Plant Cl. 1.02.04	Metallurgy required as per the specifications	Vent Valve /Pressurizing Valve (DEPAC vessels as applicable/Nuvafeeder vessels) Body: Gray Iron G3000 Disc: Holder -Carbon Steel, IS: 1570, Liner-8thk Ceramic , 82 HRC Seat : Holder -Carbon Steel, IS: 1570, Liner-8thk Ceramic , 82 HRC	Bidder to follow NTPC specification and Amendments/Clarifications. The same shall be discussed during detail engineering.
28	Technical Specification Section -VI, Part - B Bid Doc. No. - CS-9551-001-2 Sub-section: A-21 Ash Handling Plant Cl. 1.02.04	Metallurgy required as per the specifications	Knife Gate Valve (ESP Branch line isolation)Body: DUITTE/Alloy CI with min 250 BHNDisc: SS 304 / SSX04CR19NI9, IS:1570, PART 5Seat : MOLDED ELASTOMER WITH DUCTILE IRON SEAT INSERT	Bidder to follow NTPC specification and Amendments/Clarifications. The same shall be discussed during detail engineering.

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29	Technical Specification Section -VI, Part - B Bid Doc. No. - CS-9551-001-2 Sub-section: A-21 Ash Handling Plant Cl. 2.07.00	Pneumatic Ash Extraction and Transportation Pipelines Fittings : Ni-hard / chrome alloy cast iron or equivalent. Minimum hardness 400 BHN. Wear back thickness 20 mm. Or : 20 mm thick cast basalt line MS fittings. (Thick of MS 6 mm.)	Elbows/Laterals MOC: Elbows: Durite/alloy CI, 400 BHN, min thk 20 mm Lateral: Durite/alloy CI, 400 BHN, min thk 20 mm TEE: Durite/alloy CI, 400 BHN min Wear Section: Durite/alloy CI, 400 BHN min . Concentric Reducer: Durite/alloy CI, 400 BHN min	Bidder to follow NTPC specification and Amendments/Clarifications. The same shall be discussed during detail engineering.
30	Technical Specification Section -VI, Part - A Bid Doc. No. - CS-9551-001-2 Sub-section: VI Chapter - 03 Ash handling Plant Cl. 4.02.02 (Mandatory Spares)	FLY ASH PNEUMATIC CONVEYING SYSTEM	For First Stage conveying vessel there is no individual vessel outlet valve, hence we have not considered vessel discharge branch line valve. Hence mandatory spares 16 nos for airlock discharge valve is not applicable	Bidder to follow NTPC specification and Amendments/Clarifications. The same shall be discussed during detail engineering.

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31	Technical Specification Section -VI, Part - A Bid Doc. No. - CS-9551-001-2 Sub-section: VI Chapter - 03 Ash handling Plant Cl. 4.02.04 (Mandatory Spares)	Airlock/pump tank air injector nozzles	Nozzle are not applicable for our system.	Bidder to follow NTPC specification and Amendments/Clarifications. The same shall be discussed during detail engineering.
32	Technical Specification Section -VI, Part - A Bid Doc. No. - CS-9551-001-2 Sub-section: VI Chapter - 03 Ash handling Plant Cl. 5.01.00 (Mandatory Spares)	FLY ASH CONVEYING LINE / ISOLATION VALVES/ FITTINGS COUPLINGS Material handling valve/Ash intake valve Below ESP	Bidder has considered ESP vessel inlet/outlet valve as per clause 4.02.00 Airlock/Blow Tank System. Material handling valve/Ash intake valve Below ESP is not considered as already valves considered per clause 4.02.00.	Bidder to follow NTPC specification and Amendments/Clarifications. The same shall be discussed during detail engineering.

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Sl. No.	Reference clause of Tender Document	Existing provision	Bidder's Queries	BHEL Reply
33	Technical Specification Section -VI, Part - A Bid Doc. No. - CS-9551-001-2 Sub-section: VI Chapter - 03 Ash handling Plant Cl. 5.02.00 / Cl. 5.03.00 (Mandatory Spares)	FLY ASH CONVEYING LINE / ISOLATION VALVES/ FITTINGS COUPLINGS Fly ash extraction line segregating valve seats Fly ash extraction line isolation valve Gates/Flaps	Bidder understand Fly ash extraction line segregating valve as ESP discharge branch line isolation valve which is bidder 130 DB Knife gate valve. customer to confirm bidder understanding is correct.	Bidder to follow NTPC specification and Amendments/Clarifications. The same shall be discussed during detail engineering.
34	Technical Specification Section -VI, Part - A Bid Doc. No. - CS-9551-001-2 Sub-section: VI Chapter - 03 Ash handling Plant Cl. 5.04.00 (Mandatory Spares)	Fly ash extraction line couplings - 16 Nos	Bidder has considered each type fly ash coupling 16 nos. Please confirm	Bidder to follow NTPC specification and Amendments/Clarifications. The same shall be discussed during detail engineering.
35	Technical Specification Section -VI, Part - A Bid Doc. No. - CS-9551-001-2 Sub-section: VI Chapter - 03 Ash handling Plant Cl. 5.06.00 (Mandatory Spares)	Fly ash Conveying Pipelines and fittings 25% of population for each type	Fitting as coupling already considered for clause 5.04.00 of 16 nos each. Hence separate spares 5.06.00 is not considered.	Bidder to follow NTPC specification and Amendments/Clarifications. The same shall be discussed during detail engineering.

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Sl. No.	Reference clause of Tender Document	Existing provision	Bidder's Queries	BHEL Reply
36	SUB-SECTION-A – 12 Surface Preparation & Painting	Surface Preparation & Painting	Painting shall be as per bidder standard for proprietary items.	Bidder to follow NTPC specification and Amendments/Clarifications. The same shall be discussed during detail engineering.
37	Technical Specification Section -VI, Part - B Bid Doc. No. - CS-9551-001-2 Sub-section: A-21 Ash Handling Plant Cl. 2.07.00	Spool pieces (Alloy C.I. or basalt lined as the case may be) of minimum 1.5 m length shall be provided at the discharge of every fitting having an angle of 45 o or above.	All fly ash conveying line elbows & spool piece after elbow MOC is considered as Alloy cast Iron with min hardness as 400 BHN in line with proprietary design standards & past historical project reference. The wear sections are not applicable for dense phase pressure conveying (ESP to HCSD cum Main Fly Ash Storage Silo).	Bidder to follow NTPC specification and Amendments/Clarifications. The same shall be discussed during detail engineering.
38	ANNEXURE -2-Scope matrix, Sl. No. 8,9,10 and 12	8. Site clearance including cutting of tree..... other vegetation is in Bidder's scope. 10. Sewerage system 12. Development of Laydown area	Please mark the scope area on plot plan with terminal points for more clarity.	Specification is clear regarding terminal points

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39	ANNEXURE -2-Scope matrix, Sl. No. 9	9. Levelling and grading - Levelling and Grading works including wherever providing and filling with selected approved soil/soft rock, sandy gravel or crushed rock as blanket material conforming to RDSO guidelines directly as per End User's specification.	For levelling and grading, please provide the location and distance from where bidder has to get the approved soil/soft rock, sandy gravel or crushed rock for AHP facilities.	Refer Annexure 24 for Tentative Levelling and Grading area for AHP Bidder. Arranging of suitable soil/soft rock, sandy gravel or crushed rock and its approval is in the scope of AHP EPC vendor. Further, Bidder to note that the sourcing of aggregates, sand, and all other construction materials is sole responsibility of Bidder within the quoted price, irrespective of the distance or location from which they must be procured .
40	ANNEXURE-4 PLOT PLAN	Pipe Rack & cable rack	Bidder understand that Pipe & cable rack in front of ESP hoppers and from ESP hoppers to Silos are in customer's scope. Gratings below fly ash piping also. Please confirm.	Scope matrix is clear. All the pipe/cable rack and gratings for AHP are in bidder scope.
41	General		Please clarify the supply and erection scope of platform for placement of AHP equipments below Economizer hoppers, Economizers outlet duct hoppers, Air preheaters hoppers and AHP-ESP duct hoppers equipment.	All the platforms and supporting arrangment for AHP system is in bidder scope. However, space provision will be shown below the ECO , Eco outlet, APH and APH duct hoppers

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42	SINGLE LINE FLOW DIAGRAM OF BOTTOM ASH HANDLING SYSTEM(JET PUMP SYSTEM)	HP/LP SEAL WATER PUMPS (1 Working + 1 Standby)	Bidder understand that bidder can supply only two numbers of seal water pumps which will fulfil the HP and LP seal water requirements. Please confirm.	Bidder to follow NTPC specification and Amendments/Clarifications.
43	ANNEXURE-3 ELECTRICAL, C & I SCOPE MATRIX Clause No. 14A	ESP Hopper High- and Low-Level switches	We propose to exclude the supply of ESP Hopper level instruments, JB, Cabling from instrument to field JB and ESP MCC to AHP DCS interfacing from Bidder scope. As ESP hoppers & ESP MCC is not in AHP bidder scope.	ANNEXURE-3 ELECTRICAL, C & I SCOPE MATRIX is clear. Bidder to follow specification. Revised Annexure 3 is attached with this Corrigendum.
44	ANNEXURE-3 ELECTRICAL, C & I SCOPE MATRIX Clause No. 14B	ESP Hopper Level Scanner	We propose to exclude the supply of ESP Hopper level instruments, JB, Cabling from instrument to field JB and ESP MCC to AHP DCS interfacing from Bidder scope. As ESP hoppers & ESP MCC is not in AHP bidder scope.	ANNEXURE-3 ELECTRICAL, C & I SCOPE MATRIX is clear. Bidder to follow specification. Revised Annexure 3 is attached with this Corrigendum.
45	ANNEXURE-3 ELECTRICAL, C & I SCOPE MATRIX Clause No. 15	APH/ECO/DUCT/SCR Hopper High- & Low-Level switches and Level Transmitters	We propose to exclude the supply of ESP Hopper level instruments, JB, Cabling from instrument to field JB and ESP MCC to AHP DCS interfacing from Bidder scope. As ESP hoppers & ESP MCC is not in AHP bidder scope.	ANNEXURE-3 ELECTRICAL, C & I SCOPE MATRIX is clear. Bidder to follow specification. Revised Annexure 3 is attached with this Corrigendum.
46	ANNEXURE-3 ELECTRICAL, C & I SCOPE MATRIX Clause No. 5(5)	24V DC and UPS system (UPS load and 24V DC load applicable to BHEL free supplied equipments shall be shared to successful bidder during detailed engineering by BHEL-EDN. Bidder to size the rating of UPS and DC system considering the	We propose to exclude the supply of 24V DC and UPS system from AHP Bidder scope since DCS is in BHEL scope.	ANNEXURE-3 ELECTRICAL, C & I SCOPE MATRIX is clear. Bidder to follow specification. Revised Annexure 3 is attached with this Corrigendum.

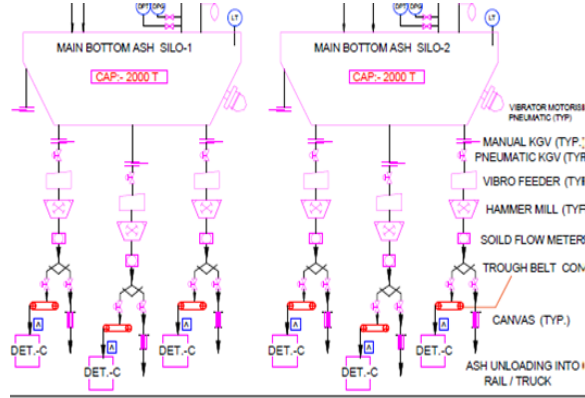
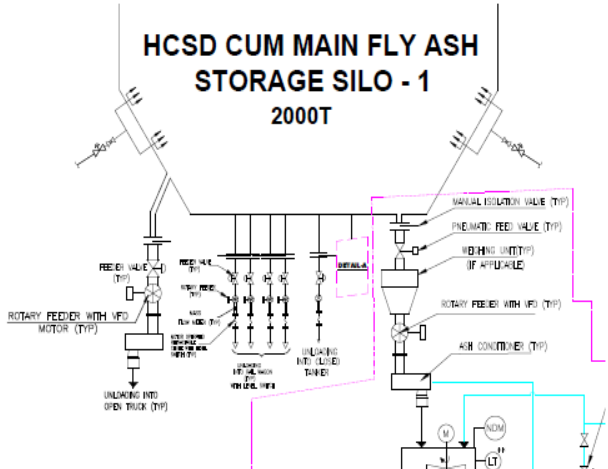
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		above load plus any load required for bidder supplied equipments.)		
47	ANNEXURE-3 ELECTRICAL, C & I SCOPE MATRIX Clause No. 8 & 9	CCVM System &PA System All AC/DC/UPS/Aux Power supply required for above equipment's shall be arranged by bidder.	We propose to exclude the supply of all AC/DC/UPS/Aux Power supply from AHP Bidder scope since CCVM/PA system is in BHEL scope.	ANNEXURE-3 ELECTRICAL, C & I SCOPE MATRIX is clear. Bidder to follow specification. Revised Annexure 3 is attached with this Corrigendum.
48	General	General	Please share the ash particle size analysis report at ECO Outlet, APH & AH-ESP Duct Hoppers for system design.	Ash particle size analysis of fly ash is already mentioned in Ash collection data. Ash distribution in ESP hopper is furnished with this clarification. Refer Annexure - A attached with this Corrigendum
49	General	General	We request the General Arrangement (GA) Drawing, showing Plan & Elevation for the ECO, ECO DUCT, APH and DUCT Ash Hoppers alongwith their positions w.r.t. the nearest platform. Additionally, please provide the expansion details for each Ash Hopper.	The details shall be provided during detailed engineering.

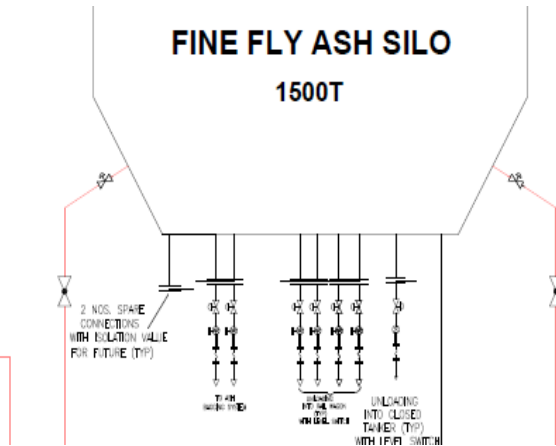
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50	General	General	Please share the Boiler Seal plate Drawing to enable us to check the envisaged Bottom Ash hopper storage capacity	The details shall be provided during detailed engineering.
51	General	General	Inside the Tender Specification, the technical specification of Mechanical type Mill Reject Handling System (via Sub Section-A-22) has been mentioned. Please confirm that the Mill Reject Handling system is the part of the Tender Specification OR not.	Not in scope of work of this tender. Refer Scope matrix Annexure-2
52	General	General	We understand that the BA Slurry Pipe, HCSD Pipes & AWRS pipeline from HCSD + Filne FA Silo upto the Terminal Point (i.e. 8319.66E / 9849.2N shall be laid on RCC pedestals just above the ground. Please confirm?	NTPC Specification is clear. Bidder to follow NTPC specification and Amendments/ clarifications
53	Technical Specification # Section-VI Part B Bid Document No.: CS-9551-001-2 Sub Section-A-01 Equipment Sizing Criteria # Page No.: 75 & 76 of 88		Inline to the said clause, we will Design the Bottom Ash Slurry Disposal System and HCSD System fro maximum pumping distance of 8.0 KM. Please confirm?	NTPC Specification is clear regarding the maximum pump distance. Bidder to follow NTPC specification and Amendments/ clarifications

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Sl. No.	Reference clause of Tender Document	Existing provision	Bidder's Queries	BHEL Reply
54	Single Line Diagram for Fly Ash Handling System XXXX-001-POM-A-028	As per the said Flow Diagram there are 03 Nos. RCC Construction Fly Ash Silos (i.e. 02 Nos. of 2000 MT + 01 No. 1500 MT) 	We are considering the same. Please confirm.	NTPC Specification is clear. Bidder to follow NTPC specification and Amendments/ clarifications
55	Single Line Diagram for Fly Ash Handling System Drawing No.: XXXX-001-POM-A-028 and Sub Section-IIA-16 Ash handling System: 1.00.00 Scope of Supply # 1.04.00 Dry Ash Storage System # (m)	As per the Tender Specification, unloading system below each HCSD Silo and Fine Ash Silo as under: 	Below each HCSD Silo:01 No. via Ash Conditioner System for open Trucks 01 No. via Unloading Spout System for Closed Truck/ Tanker 04 Nos. via Unloading Spout System for Closed Type Rail Wagon Loading System 02 Nos. for HCSD System below Fine FA Silo:01 No. via Ash Conditioner System for open Trucks 02 No. for Bagging System 04 Nos. via Unloading Spout System for Closed Type Rail Wagon Loading System 01 No. via Unloading Spout System for Closed Type Rail Wagon Loading System 02 Nos. Future Openings Further, it is	NTPC Specification clear regarding number of weigh bridge and wagons.

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Sl. No.	Reference clause of Tender Document	Existing provision	Bidder's Queries	BHEL Reply
		 The diagram illustrates the internal layout of a 1500T Fine Fly Ash Silo. It shows a central storage area with multiple hatches for access. Key features include: 2 NOS. SPARE CONNECTIONS WITH ISOLATION VALVE FOR FUTURE (TYP): Indicated on the left side of the silo. TO WH (WHICH TYPE): A connection point at the bottom left. UNLOADING INTO CLOSED TANKER (TYP) WITH I/P (I/P) SWITCH: A connection point at the bottom right. INTERNAL STRUCTURE: Shows various internal components, including what appears to be a telescopic spout mechanism.	envisaged that "The pitching of ash silo and overall arrangement of hydro-mix conditioner units, telescopic chutes, air slides etc shall facilitate simultaneous loading of wagons (BOXXN/ BCFC/ BCCW/ BTAP) from all the BA storage silo (in case of dry bottom ash system only) and HCSD cum main fly ash storage silos. Suitable positioning arrangement for Control of movement of Telescopic spout shall have to be provided in all three X-Y-Z directions to facilitate loading of ash into Wagons. While loading ash in wagons, top lids of wagons need to be accessed. For ensuring safety while accessing the top of wagon, a suitable platform at approx. height of 4.5 Mtrs above railway track all along the length of track in silo area shall be provided."In this regard,1) Please confirm the number of Rail Wagons to be considered below each above silo.2) please confirm the number of hatch openings to be considered in each type of Rail Wagon.	

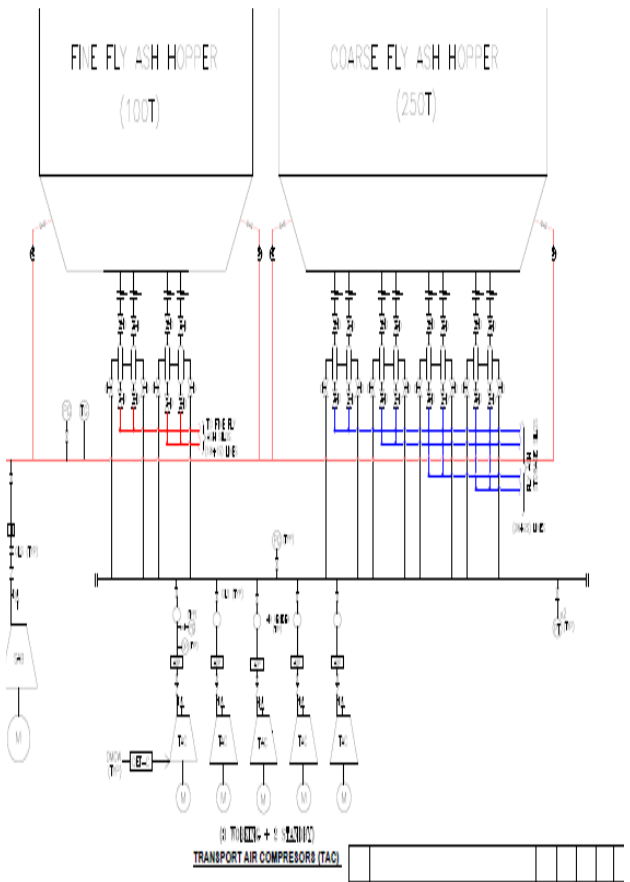
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Sl. No.	Reference clause of Tender Document	Existing provision	Bidder's Queries	BHEL Reply
56	Single Line Diagram for Fly Ash Handling System Drawing No.: XXXX-001-POM-A-028		As per the Tender Flow Scheme, 02 Nos. HCSD System below each HCSD Silo (total 04 Nos. below both the HCSD Silo) has been envisaged. Normally M/s NTPC takes 02 X 50% HCSD System per Unit with 50% Standby facility. According, there should be 03 Nos. HCSD System will be for the subject package. please confirm the final requirement of HCSD System to be considered.	Bidder to follow NTPC specification and Amendments/ clarifications
57	Sub Section-IIA-16 Ash handling System: 1.00.00 Scope of Supply # 1.08.00 Water facilities		We understand that the complete Ash water Recovery system is not the part of the subject package. AHS vendor's scope is limited to provide 01 No. X 350 NB MS ERW pipe from Terminal point upto the Ash Water Tank/ Sump only. Please confirm?	Bidder scope regarding recovery system is specified in TCC clause no 09.00.00 (g)
58	Volume-IA {Technical Condition of Contracts (TCC)} # 02.00.00 Broad Scope # 02.08.00 Design Basis/ Inputs # Sr. No.: 3	The various sludges from ETP, DM Plant, RO Reject, PT Plant, FGD System etc. shall be discharged to ash slurry sump. The same shall be considered during the design of slurry disposal system.	Please confirm the quantity of defined Sludge to be considered for BA Slurry disposal pump's capacity selection	The qty of sludge shall be provided during detailed engineering.

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Sl. No.	Reference clause of Tender Document	Existing provision	Bidder's Queries	BHEL Reply
59	General	General	We wish to inform you that inside Annexure_1to5_8to22andAppendix2 # ANNEX-4 PLOT PLAN, Plot plan via Drawing No.: 9551-001-301-POC-F-001_R1 (GLP) M is mentioned. At the same time inside Annexure_7_Part_3 # ANNEX-7 CLARIFICATIONS_NTPC Technical Amendment No.4A, Plot plan via Drawing No.: XXXX-001-POM-A015A (Rev.: B) is mentioned. Fly Ash pipeline routing is both the above plot plan is different. Please confirm that which plot plan to be followed?	please refer Revised Annexure 4 for the updated plot plan attached with this Corrigendum. Further Tentative details pertaining to BHEL other Packages pipe and cable tray space provision to be considered in bidder pipe cum cable rack/pedestals is enclosed in Annexure 4A (part of Revised Annexure -4)
60			Please refer Flow Scheme No.: XXXX-001-POM-A-029 (SINGLE LINE DIAGRAM FOR ASH CLASSIFIER SYSTEM), it is envisaged to provide the followings: 1) Below Fine Fly Ash Hopper: 02 (01W+01Sb) Sets. of Pressure conveying System 2) below Coarse Fly Ash Hopper: 04 (02W+02Sb) Sets. of pressure Conveying System 3) 05 (03W+02Sb) Transport Air Compressors. As per the Technical Specification	Bidder to follow specification and Amendments/clarifications

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Sl. No.	Reference clause of Tender Document	Existing provision	Bidder's Queries	BHEL Reply
			Section-VI-Part-A Bid Doc. No.: CS-9551-001-2 # 1.00.00 Scope of Supply # 1.03.00 Dry Fly Ash Conveying System # (E) Ash Classification and Bagging System: 40% of ESP Ash (40% of Ash Conveying Capacity) to be considered for sizing the Clarifier. Considering the envisaged Fly Ash pipeline configuration, we have reviewed the above requirement internally as well as Fly Ash classification capacity and wish to inform you that below Coarse Fly Ash Hopper 02 (01W+01Sb) Sets. of Pressure Conveying System are sufficient. Accordingly, quantity of Transport Air Compressors can be reduced {i.e. 03 (02W+01Sb) Nos. OR 04 (02W+02Sb)}.	

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Sl. No.	Reference clause of Tender Document	Existing provision	Bidder's Queries	BHEL Reply
61	NOTICE INVITING TENDER PRE-QUALIFYING REQUIREMENTS (PQR) Clause B.	For Civil: Bidder/Consortium Partner shall fulfil either "B.1" or B.2 ("B.2.1.a OR B.2.1.b" AND "B.2.2") in last Ten Years from the latest date of bid submission;	We request to provide a fix date i.e as on 06/11/2025 in place of "latest date of bid submission", as bid submission date may change and experience certificate may also vary accordingly.	Tender Condition Prevails
62	NOTICE INVITING TENDER PRE-QUALIFYING REQUIREMENTS (PQR) Clause C.	For Structural: Bidder/Consortium Partner shall fulfil C.1 or C.2 or C.3 in last Ten Years from the latest date of bid submission;	We request to provide a fix date i.e as on 06/11/2025 in place of "latest date of bid submission", as bid submission date may change and experience certificate may also vary accordingly.	Tender Condition Prevails
63	TCC (Cl.02.26.00)_Page 17 of 82 (Operation and Maintenance of Ash Handling System:)	The operation and Maintenance of this Ash Handling EPC package including all BHEL supplied Equipment's for this AHP package till hand over of the Ash Handling System to Customer shall be in bidder scope.	We request for fix up the time for O&M service. i.e whether O&M shall be done for 6 Month or 1 year.	Bidder to follow specification

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Sl. No.	Reference clause of Tender Document	Existing provision	Bidder's Queries	BHEL Reply
64	SINGLE LINE FLOW DIAGRAM OF BOTTOM ASH HANDLING SYSTEM (JET PUMP SYSTEM) Drg. No. XXXX-001-POM-A-025 (Sheet - 1) R.1	The drawing shows Motor operated KGV below Economiser hopper.	As Flushing apparatus system is continuous system. Motorized valve is not required. Manual valve will serve the purpose. Kindly confirm.	Bidder to follow specification and Amendments/ clarifications
65	SINGLE LINE FLOW DIAGRAM FOR FLY ASH HANDLING SYSTEM (VACUUM SYSTEM) Drg. No. XXXX-001-POM-A-027 R1	The drawing shows Mass flow meter use for closed truck/ wagon loading system. However mass flow meter is not shown for HCSD system.	Mass flow meter is required in HCSD system to control the mass of the ash entering in to the system. Nowever no mass flow meter is required for wagon loading or truck loading system as separate weighing system is provided for the same. Kindly check and confirm.	Bidder to follow specification and Amendments/ clarifications
66	SINGLE LINE FLOW DIAGRAM FOR FLY ASH HANDLING SYSTEM(VACUUM SYSTEM) Drg. No. XXXX-001-POM-A-027 R1	Change over valves are shown in the drawing at fly ash conveying pipe near Buffer hopper for discharging fly ash to either classifier system or HCSD cum main ash silo.	Again in the Single Line Diagram for Ash Classifier System (For Vacuum Conveying System) , a set of change over valve is shown which takes the fly ash to HCSD cum main fly ash silo. Change over valve in 2 places are not required. Kindly review the requirement.	Bidder to follow specification and Amendments/ clarifications. The same shall be discussed during detailed engineering.

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Sl. No.	Reference clause of Tender Document	Existing provision	Bidder's Queries	BHEL Reply
67	Sec-VI, Part-A , Sub Sec-II, A-16 (Ash Handling System) (E) ASH CLASSIFICATION AND BAGGING SYSTEM , Sl. NO. (n)	Two (2) numbers of fully automatic Bagging machines.	We request to review the requirement. In all other recent NTPC and others projects, semi-automatic bagging machines were taken	Bidder to follow specification and Amendments/ clarifications
68	Amendment – 2A, Sl. No. MH-12	In case of wet type bottom ash handling system, suitable lengths of bottom ash slurry disposal MS pipelines with basalt lining, complete with pipe bends, fixtures, elbows, gaskets, nuts, bolts, structural steel supports and other accessories as specified and as required shall be provided upto dewatering bins & upto terminal point. In case of non-utilization, bottom ash slurry shall be disposed to ash dyke through ash slurry disposal Pumps.	We understand that cast basalt lined MS pipe will be provided at the discharge of Bottom Ash slurry disposal pump up to dewatering bin / terminal point. Kindly confirm.	Bidder to follow specification and Amendments/ clarifications
69	TCC (Cl.09.00.00) _Page 67 of 82 (Terminal Points) _Sl. No. (g)	Ash water recovery system pipe – From Ash water tank to Co-ordinate 8319.6E/9849.2N.	Kindly provide the size and type (thickness) of the recovery water pipe.	Refer NTPC specification sub section IIA-16

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Sl. No.	Reference clause of Tender Document	Existing provision	Bidder's Queries	BHEL Reply
70	TCC (Cl.09.00.00) _Page 67 of 82 (Terminal Points) _Sl. No. (g)	Ash water recovery system pipe – From Ash water tank to Co-ordinate 8319.6E/9849.2N.	We understand that only supply of recovery water pipe is in Bidders scope. Clarifier along with associated chemical house system is excluded from our scope of work.	There is no clarifier in the specification
71	SECTION-VI PART-B, SUB SECTION-A-01 EQUIPMENT SIZING CRITERIA	In case of jet pump type wet bottom ash system: Bottom Ash, Economizer ash to be removed twice in a shift	Kindly intimate the evacuation time for each Jet pump.	NTPC Specification is clear. Bidder to follow specification and Amendments/ clarifications

Note:

- 1. All other terms and conditions against this NIT shall remain unchanged.**
- 2. This corrigendum is to be submitted duly signed and stamped along with the Techno-commercial bid (Part- I)**

**for BHARAT HEAVY ELECTRICALS LTD
Sr MANAGER / SCT- CPC**