


Corrigendum - 6 dated 28/07/2025 to CPC Tender No. BHEL/CPC/SGL/EPC-AHP/26/012

Corrigendum - 6 dated 28/07/2025 to CPC Tender No. BHEL/CPC/SGL/EPC-AHP/26/012 for the work of “EPC package for Ash Handling Plant at Singrauli STPP Stage-III (2X800 MW)”.

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

Sl. No.	Section/ Clause No	Specification	Bidder's Query	BHEL Clarification
1	SLD 9587-001(R)-POM-A-025 Rev. 1 & Amendment-1, clause MH-27	Jet pump discharge from BA Hopper is shown to BA Slurry Sump	<p>Please check and confirm, that the Jet pump discharge can be pumped directly to the Combined Ash Slurry Sump also by providing necessary cyld. Optd. Valves (12 nos. per unit). This is required as the BA slurry PH and Combined Ash Slurry PH are located adjacent to each other and the BA Slurry Pump which is common for pumping BA slurry to Combined Ash Slurry Sump and Hydrobin. Please reply considering that the scope should be common to all the bidders.</p> <p>Moreover, in IIA-16 clause C-2 (1) calls for 2 pumps in each series, please check the requirement as only 1 pump in each series is capable of meeting the requirement.</p>	<p>Bidder to note that alternate proposal of directly discharging BA/coarse ash slurry to combined ASPH while pumping to ash dyke is also accepted. Bidder may assess the system requirement and bid accordingly.</p> <p>It shall be reviewed during detailed engineering.</p>
2	SLD 9587-001(R)-POM-A-025 Rev. 1	Coarse Ash Slurry Pump Discharge	Please confirm that the CA slurry will be pumped only to the Combined Ash Slurry PH as shown in Flow Diagram 025.	The slurry line from Coarse Ash Tank is to be discharged to BA Slurry pump house.

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3	SLD 9587-001(R)-POM-A-028 Rev. 1	Intermediate silo unloading	Six (6) feeder Ejectors are shown below the Intermediate silos. Please confirm that out of 6, 3 will be working and 3 standby to cater to 1 unit ash generation to dispose 8 hours ash generation in 6 hours.	Bidder to note that out of 6 nos feeder ejectors in each silo, 03 nos shall be considered as working + 3 nos shall be standby.
4	Plot Plan	Building sizes	Please confirm the minimum sizes of various buildings to be considered.	Bidder to decide the building size as per the system requirement and NTPC specs
5	Slurry discharge and recovery pipe sizes	The spec calls for 500 NB disposal pipe and 600 NB recovery pipe	Please check and confirm the pipe sizes to be considered.	450NB for Combined slurry disposal pipe and 700NB for recovery water pipe shall be considered
6	Plot Plan	Slurry and recovery pipe routing upto terminal point	The specification shows pipe rack to be considered. The pipe rack is crossing channel at 2 places. Hence please confirm the width of the channel to enable us estimate the bridge requirement if any.	<p>The Size of the cooling water channel (individual) is 4500mm wide and Size of CW pipe is 4000NB.</p> 
7	Equipment sizing criteria for combined ash & amendment – 1, Clause MH-10	Max. pumping distance – 17 KM.	We have noted that the Max. pumping distance upto S1/S2 dykes is to be considered as 17 KM. However, the amendment has removed the static rise to be considered for S1/S2 dykes which as per spec was mentioned as 26M.	Bidder to consider the worst case of 17 KM for pumping distance and 26 M static height for pump design.

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			Hence please furnish the static rise to be considered or the top of Dyke RL with respect to Plant RL mentioned as 275.5 M in the plot plan. Please also confirm the route length for Khadiya dyke to enable us configure the slurry pump head.	
8	BHEL Dwg No. IS-4-DC-774-300-M107 rev. 1	Bottom Ash Hopper	Please confirm that keeping the foundations and volume unchanged, bidder can change the BA hopper design to meet their discharge equipment requirement.	Noted
9	SLD 9587-001(R)-POM-A-027 Rev. 1	Number of pipes feeding ash to main silos	Please check. The number of lines feeding ash to main silos should be 18 Nos. and not 12 numbers as shown in the SLD. Please confirm.	Confirmed
10	SLD 9587-001(R)-POM-A-025 Rev. 1	Slurry Sump Makeup	Please confirm if water make-up to the Slurry Sump can be taken directly from BHEL's make-up line to the Ash Water Sump.	Not acceptable. Bidder to follow specification
11	Mandatory Spares	Sub-section VI, chapter-03: Ash Handling Plant	Please confirm that the Mandatory spares specified under this chapter-03 sheet nos. 1 to 12 only are to be considered in bidder's scope. In case any other spares are required, we request you to kindly provide a consolidated list.	Specification is clear. Relevant spares from other chapters also to be considered in bidder's scope

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12	Sub-section-IIA-16, Page 4 of 17, clause no. C-2 (i)	2 stage pumping	2 stage pumping is specified for each stream, whereas in SLD – 25 only 1 pump is indicated. Please clarify the discrepancy.	Specification is clear. The Nos. shall be as per specification and system requirement
13	Sub-section-IIA-16, Page 4 of 17, clause no. C-2 (ii & iii)	Discharge piping	Please confirm that the entire discharge piping will be Basalt lined MS pipe	Refer NTPC Prebid queries Clarification Round 2, page 1 of 2
14	Sub-section-IIA-16, Page 4 of 17, clause no. C-2 (vi)	Dyke area valves	Please delete this clause as the dyke area piping is not included in the scope of supply.	Only supply of this item is in bidder's scope
15	Sub-section-IIA-16, Page 7 of 17, clause no. B (i)	Expansion Joints	Please note that the expansion joints are not applicable for the vacuum system as the valves are not supported from the ground. Whereas in the pressure system the vessels are supported from the ground and hence expansion bellows are provided to take care of the hopper movement.	Bidder to follow specification and flow diagram
16	General		In case of pressure-pressure system, there will be 2 stage conveying, i.e. 100% ESP ash will be conveyed to Classifier silos and from classifier silos to Main Silos. Hence the duty factor for CAC and TAC will be 1, however in case of vacuum-cum-pressure system only 40% ash is being conveyed to Classifier and balance directly to Main Silo.	Query is not clear. Bidder to follow specification

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17	SLD 9587-001(R)-POM-A-029 Rev. 2 Vacuum Conveying System		Please confirm that only 1 no. coarse fly ash hopper along with 3W + 2S TAC are to be provided to cater to the requirement of Fine and coarse Ash transportation to the main silo for set of 2 units.	Flow diagram is clear
18	SLD 9587-001(R)-POM-A-029 Rev. 2 Pressure Conveying System		Please confirm that 2 no. coarse fly ash hopper along with 7W + 4 S TAC are to be provided to cater to the requirement of Fine and coarse Ash transportation to the main silo for set of 2 units.	Flow diagram is clear
19	General	Instrument Air	Please confirm that supply of IA compressors and Air receivers at various locations are in BHEL scope and Not applicable for the bidders.	IA compressors is not in bidder's scope. Refer Cl.3.7.1 of Technical conditions of contract for details
20	Sub-section-IIA-16 sheet 11 of 17 clause no. 1.01.07 (xvii)	Two (2) to ash slurry sump .. or to dyke	Please check the specified requirement as it is not feasible to pump the ash directly to dyke or the slurry sump which is approx. 1KM away. Please advise a suitable location where the said slurry can be disposed.	Bidder to follow specification. Refer NTPC Technical Clarification No.1, Page 26 of 31 for more clarity
21	General		Due to discrepancy in the specification on the number of streams to be provided for Combined Ash Slurry Disposal system, we request you to kindly confirm that the Number of streams	Refer NTPC Technical Amendment No.1, MH-12

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			to be provided and the number of pumps in each stream. Please also confirm if provision is to be provided for an additional future pump. Please also specify the type and number of valves to be considered at suction and discharge of the pumping stream.	
22	Sub-section-A-01: Equipment sizing criteria, pg. no. 80 of 92, cl. (L)	Specification calls for 30 minutes capacity	Please confirm that the ISH capacity shall be 30 minutes as specified and not 100 T. Moreover, MH-11 mentions the capacity as 300 T.	Specification is clear. ISH and Intermediate Silo are different
23	General		Please provide the terminal points for water required for Vacuum Pump sealing along with pressure.	Bidder to refer Cl. 13.1.3 for terminal points
24	Tools & Tackles		There are no special tools and tackles required for AHP package. Please confirm, hence confirm requirement if any.	Special tools and tackles if required for the system, same to be supplied by bidder
25	BHEL Doc. Furnishing Ash Distribution Data in various fields of ESP		Please confirm that the Ash generation rates furnished in BHEL document are to be considered for system design. Under Case-II on page 5/9, the ash removal capacity of line from 4 th to 10 th Fields works out to be 42 TPH. Please confirm. Moreover, under the above case, the coarse ash will get carried over to 4 th field, hence lines from the 4 th field also should be fed to the classifier silo as instead of directly to the fine	Specification is clear. Only Fine ash shall be taken to fine ash hopper.

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			ash silo. Please check the requirement and confirm.	
26	Annexure-3: Electrical, control & Instrumentation scope matrix S.No. 11	a) 3.3KV Motor feeders	Please check the quantity as the motor feeders specified in S.No. 20 of the corrigendum 3 states the same as 50 Nos. Please clarify the discrepancy.	Quantity of 3.3kv Motor feeder mentioned in Corrigendum-3 Sl. NO 20 to be followed. i.e. 50nos.
27	S. No. 13, Annexure-3, Electricalscope matrix point 1 : Note : 1 (Reference: Corrigendum – 3 dated 11/07/2025)	BHEL Reply: Bidder to follow tender specifications	Kindly note, in the tender specification, approx. Ratings are not specified. Hence please provide the same.	24V DC/220V DC/230V AC UPS ratings load applicable to BHEL free supplied equipments shall be shared to successful bidder during detailed engineering by BHEL. Bidder to size the ratings of the systems considering the above load plus any load required for bidder supplied equipments.)
28	S. No. 16, Annexure-3, Electricalscope matrix point 3: Note : (Reference: Corrigendum – 3 dated 11/07/2025)	BHEL Reply: Bidder to follow tender specifications	Incase of vac.-cum-pressure system the number of 3.3KV feeders are less than pressure-pressure system. Hence we request you to provide 5 Nos. 11 KV feeders for vac.-cum-pressure system.	Bidder to follow tender specifications. Only 4 Nos of 11KV uncabled Feeder shall be provided by BHEL to bidder for Unitized AHP 11/0.415kV Transformer.
29	S. No. 17, Annexure-3, Electricalscope matrix point 3 : Para 5 (Reference: Corrigendum – 3 dated 11/07/2025)	BHEL Reply: Being EPC bid, the bidder has to consider the same while quoting for the package.	The bidder can estimate the quantities in their package. However, quantities for other packages should be clearly defined. Hence please let us know approx. numbers of additional feeders required by BHEL for our estimation.	Bidder to consider additional 4 nos 11kV Transformer Feeders for BHEL use for other packages.

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30	S. No. 17, Annexure-3, Electricalscope matrix point 12 : List of 3.3KV O/G feeders ... (Reference: Corrigendum – 3 dated 11/07/2025)	BHEL Reply: Bidder to follow tender specifications	We once again request you to provide 2 no. 11KV feeders for VFD application as it will unnecessarily load the 11/3.3 transformers.	Bidder to follow tender specifications
31	ANNEX-3-Electrical and CI scope Matrix, S. No.: 5A: Remarks S. No.: 6	6. Complete PLC system, for HCSD System, Classifier, Baggifier, DBA and any other PLC operated equipment's, including its HMI, UPS, PC, printers, battery, battery charger etc.	Corrigendum-3, following points contradicts each other w.r.t. scope of Complete PLC system, for HCSD System, Classifier, Baggifier, DBA and any other PLC operated equipment's, including its HMI, UPS, PC, printers, battery, battery charger etc. Please clarify. Bidder's clarification Point No: C-37 Annexure-3 (R1) Elec Scope Matrix Point No: 5A (6)	Corrigendum-3, SI No. C-37 to be followed. However as per OEM recommendation if PLC required, the same shall be in the scope of bidder.

- 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