

CORRIGENDUM No.-1 dated-21.08.2019

Subject: Installation of Ash Water Recirculation System at TVNL, Lalpania, Jharkhand

Corrigendum No.-1 to Tender Notice No. 15/Extn. Project/W/TVNL/RAN/19-20

Following modifications have been incorporated in the Tender document for the subject Tender Notice:

Sl. No	Tender Clause No.	Existing Tender Stipulation	To be read as
1.	2.1 of Technical Specification (TS)	Total decanted / out fall water coming from the ash pond through 04 Nos. of DN 300 pipe is assumed to be 660 m ³ /h (Approx.).	Total decanted / out fall water coming from the ash pond through 04 Nos. of DN 300 pipe is assumed to be 660 m ³ /h (Approx.). The existing pipes are of size DN 300. The pipe length for the connection of these 4 Nos. of DN 300 pipes through DN 450 pipes upto sump of pump house may be considered as 100m. This includes necessary fittings also.
2.	03.00, iii), a) of TS	iii) Proposed plant shall in general comprise of the following facilities:- a) Collection of the decanted water from 04 Nos. of existing DN 300 Pipes into decanted water sump. Tenderer shall extend these DN 300 pipes from ash dyke to sump with carbon steel pipes of DN 450 size (Refer scheme drawing enclosed with this TS).	iii) Proposed plant shall in general comprise of the following facilities:- a) Collection of the decanted water from 04 Nos. of existing DN 300 Pipes into decanted water sump. Tenderer shall extend these DN 300 pipes from ash dyke to sump with carbon steel pipes of DN 450 size (Refer scheme drawing enclosed with this TS). Tenderer need not supply DN 300 pipes for collection of decanted water. Invert level of DN 300 pipe is not available. Bidder to visit the site and collect the required informations. At road crossing DN 450 pipe line shall be laid underground with encasing pipe of size DN 700.
3.	04.00, h) of TS	The pipe shall be extended 100 meters inside the ash pond.	The pipe shall be extended 100 meters inside the ash pond. Pipe shall be laid on ground over the walkway between the ash ponds to extend 100 meters inside the ash pond. The pipe shall be supported on pedestals.
4.	04.02 of TS	Where the pipelines cannot be laid overhead on stockades and are crossing roads and tracks at too many points in a	Pipelines to be laid underground as per TS and instruction of site In charge.

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		<p>given area, the pipeline may be laid in walk-able tunnels.</p> <p>Pipelines in tunnels shall be provided with isolating valves, air release valves and drain valves, which are easily accessible for operation and maintenance. Gland type of Compensators shall be provided on these pipelines wherever necessary.</p> <p>Table for Spacing of Pipes in Tunnels, Trenches & Trestles & typical cross section.</p>	
5.	04.03 of TS	<p>Drainage pumps installed in sump pits shall be horizontal, centrifugal type with priming tank arrangement. In the event of space constraints, the use of vertical centrifugal, non-clog submersible pumps may be permitted. As far as practicable, pumps of reputed indigenous makes shall be preferred. Pump type shall be HSC type only.</p>	<p>For drainage pumps, vertical centrifugal pumps shall be considered of suitable capacity. 2 Nos (1W+1S) Drainage pumps shall be provided.</p>
6.	04.03 of TS	<p>Slurry pumps shall be horizontal belt driven pumps. Material of wear parts shall be as per IS: 4771, type – 3, 500 BHN.</p>	<p>Slurry pumps shall be submersible/vertical type.</p>
7.	04.03 of TS	<p>Minimum no. of standby pump shall be provided for each group of pumps and drainage pumps as specified in the design criteria for pump house. The group of Pumps for scale water or other abrasive slurries shall be provided with at least two standby units. Special abrasion resistant material shall be used for these pumps and the design shall allow easy replacement of parts subject to</p>	<p>VOID.</p>

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		wear and tear.	
8.	12.03, (i) of TS	Construction Water: Decanted water from the ash pond shall be used as a source of Construction water. The same shall be collected in temporary tank and shall be utilized suitably for the construction work.	Construction Water: Decanted water from the ash pond shall be used as a source of Construction water. The same shall be collected in temporary Tank and shall be utilized suitably for the construction work. Drinking water during construction period shall be arranged by the bidder on his own.
9.	07.02.01 of TS	The electrical scheme is indicated in enclosed single line diagram No: MEC/TS/11/Q7GR/E1/01, Rev 0.	SLD is enclosed.
10.	07.02.03 of TS	LT Power for the AWRS Plant shall be fed from two nos. Overhead lines terminated on nearby single pole structures being installed by the Purchaser.	LT Power for the AWRS Plant shall be fed from two nos. Overhead lines terminated on nearby single pole structures being installed by the Purchaser. Approximate distance of single pole structure shall be 500 mtr (approx.) from pump house. Same shall also be considered as source of construction power. Mode of laying of incomer cable shall be overhead.
11.	07.04.02 of TS	Starting current shall be less than or equal to six times the rated current with IS tolerance. Motors shall have class 'F' insulation with temperature limited to class 'B'.	Starting current shall be less than or equal to six times the rated current with IS tolerance. Motors shall have class 'F' insulation with temperature limited to class 'B'. a) The motors shall generally conform to IS 325/IEC-60034. LT motors up to 160 kW with continuous duty (S1) shall be premium efficiency class IE3 conforming to IS-12615: 2011. b) LT motors locked rotor current shall not exceed 720% of full load current including IS tolerance.
12.	07.04.04 of TS	Lighting Transformer	Refer Annexure-1
13.	07.04.04 of TS	Illumination Table against the clause "Illumination levels envisaged for different areas will be as indicated below;	All FL/CFL shall be read as LED.
14.	07.04.04 of TS	Following type of lamps shall be generally used; FL / CFL : 40W	Following type of lamps shall be generally used; LED:40 W
15.	07.04.04 of TS	LIGHTING DISTRIBUTION BOARD	MLDB – Floor mounting type. LDB- Wall mounting type
16.	07.04.05 of TS	All the interconnections with other earthing systems of the plant and with	Due to remote locations of ash water pumping system, interconnection with main grid is not possible. However

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		existing systems shall be under scope of the Tenderer.	sufficient no. of earth pits as per IS 3043 shall be considered to ensure a ground resistance less than one (1) ohm.
17.	07.04.06 of TS	All LPB stations shall be made of Cast Aluminium with minimum thickness of 2.5 mm.	All LPB stations shall be made of sheet steel (CRCA) of thickness 2.5 mm.
18.	08.04 of TS	UPS	Technical specification is attached in Annexure-I.
19.	07.04.07 of TS	Preferred Makes	Lighting Transformer -Intra Vidyut, Kirloskar, Automatic Electric, Precise Electrical, CGL, Voltamp UPS - Hitachi- HiRel, DB POWER ELECTRONICS, EMERSON Battery – Exide, Amaron, Amar Raja, HBL, NIFE MLDB, LDB - Pyrotech, Positronics, ECC Eng. Pvt.Ltd, TECHNOCRAT ENTERPRISES CUTTACK, HAVELLS, L&T, ABB, C&S, SIEMEN
20.	08.04 of TS	Monitoring, Control and other operational activities of the Ash Water recirculation system shall be carried out from MCC cum control room. Ventilation system shall be provided in the room with proper illumination arrangement.	Monitoring, Control and other operational activities of the Ash Water recirculation system shall be carried out from MCC cum control room. Ventilation system shall be provided in the room with proper illumination arrangement. All drives shall be controlled Locally with LCS.
21.	09.04.2.1 of TS	Storm water drainage drawings for areas and structures within the battery limit.	Storm water drainage drawings for areas and structures within the battery limit. Battery limit shall be considered as 5m away from the proposed pump house.
22.	09.10.2.4. of TS	Toilet facilities Drinking water	Drinking water during construction period shall be arranged by the bidder on his own. No extra cost shall be payable by client on this account. One No. PVC OHT of capacity 1000 litres shall be provided by the bidder and the same shall be installed above the pump house. Necessary plumbing connection in the toilet block from this OHT to be provided by the bidder.
23.	TS	General	Accommodation for staffs and contractors shall be provided in the TTPS Lalpania colony itself subject to availability of residence.
24.	Invitation For Bids (IFB)- Clause No. 8.0 – Bid Security (Earnest Money	Tenders without Earnest Money shall not be considered other than NSIC/SSI registered units. A copy of such registration has to be furnished for	MICRO & SMALL ENTERPRISES (MSE): MSE bidders/ firms holding valid registration certificates are exempted from submission of cost of bidding documents

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	Deposit) – Second paragraph	claiming exemption from EMD deposit. Exemption from the Earnest Money to NSIC/SSI units will be considered as per Govt. Circulation. SSI units of Jharkhand will be given preference as per Govt. Rule.	and submission of Earnest Money Deposit, on submission of documentary evidence that the bidder is a Micro or Small Enterprises registered with MSME or NSIC or District Industries Centers or Khadi and Village Industries Commission or Khadi and village Industries Board or Udyog Aadhar Memorandum or Coir Board or National Small Industries Corporation or Directorate of Handicrafts and Handloom or any other body specified by Ministry of Micro, Small and Medium Enterprises.
25.	Invitation For Bids (IFB)- Clause No. 7.0 – Cost of bidding document		The clause mentioned at Sl. No. 1 above to be added after last paragraph of Invitation For Bids (IFB) - Clause No. 7.0 – Cost of bidding document.
26.	Invitation For Bids (IFB)-___SALIENT FEATURES OF THE BID – “H” (2nd column,4th line)	or NSIC/SSI certificate in lieu of Bid Security (if applicable)	or MSE certificate in lieu of Cost of Bidding Documents & Bid Security (if applicable)
27.	Invitation For Bids (IFB)-___SALIENT FEATURES OF THE BID – “H” (3rd column,2nd para,4th line)	or NSIC/SSI in lieu of Bid Security (if applicable)	or MSE certificate in lieu of Cost of Bidding Documents & Bid Security (if applicable)
28.	Invitation For Bids (IFB)- Clause No. 10.1	Part-I: Cost of Bidding Documents, Bid Security or NSIC/SSI certificate in lieu of Bid Security (if applicable) Part-I of Bid shall contain Cost of Bidding Documents, Bid Security or NSIC/SSI certificate in lieu of Bid Security (if applicable) in the form and	Part-I: Cost of Bidding Documents, Bid Security or MSE certificate in lieu of Cost of Bidding Documents & Bid Security (if applicable) Part-I of Bid shall contain Cost of Bidding Documents, Bid Security or MSE certificate in lieu of Cost of Bidding Documents & Bid Security (if applicable) in the form and manner as specified in Bidding Documents.

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		<p>manner as specified in Bidding Documents.</p> <p>Part-I of Bid shall not contain any information / data in respect of Bidder's Price Bid.</p> <p>The Bid received without Bid Security, Cost of Bidding Documents or NSIC/SSI certificate in lieu of Bid Security (if applicable) in the form and manner as specified in Bidding Documents shall be liable for rejection.</p>	<p>Part-I of Bid shall not contain any information / data in respect of Bidder's Price Bid.</p> <p>The Bid received without Bid Security, Cost of Bidding Documents or MSE certificate in lieu of Cost of Bidding Documents & Bid Security (if applicable) in the form and manner as specified in Bidding Documents shall be liable for rejection.</p>
29.	Invitation For Bids (IFB)- Clause No. 11 (First paragraph)	On the tender opening date at first Part-I of Bids will be opened. Subsequently Part-II of Bids of only those Bidders shall be opened who would have furnished Cost of Bidding Documents, Bid Security (EMD) or NSIC/SSI certificate in lieu of Bid Security (if applicable) as per stipulations of the IFB. At the time of opening of Part-I and Part-II of the bids, Part III - "Price Bid" shall not be opened by the Employer and same shall be kept by the Employer unopened at this stage.	On the tender opening date at first Part-I of Bids will be opened. Subsequently Part-II of Bids of only those Bidders shall be opened who would have furnished Cost of Bidding Documents, Bid Security (EMD) or MSE certificate in lieu of Cost of Bidding Documents & Bid Security (if applicable) as per stipulations of the IFB. At the time of opening of Part-I and Part-II of the bids, Part III - "Price Bid" shall not be opened by the Employer and same shall be kept by the Employer unopened at this stage.
30.	INSTRUCTIONS TO BIDDERS (ITB)- Clause 8.1 (Second paragraph)	Part-I: This part shall be marked as Part-I "Cost of Bidding Documents, Bid Security or NSIC/SSI certificate in lieu of Bid Security (if applicable)" and shall not contain any technical, commercial component or price at all.	Part-I: This part shall be marked as Part-I "Cost of Bidding Documents, Bid Security or MSE certificate in lieu of Cost of Bidding Documents & Bid Security (if applicable)" and shall not contain any technical, commercial component or price at all.
31.	INSTRUCTIONS TO BIDDERS (ITB)- Clause 11.3	Any bid not accompanied by bid security of an amount stipulated in the Invitation for Bids (IFB) or submission of	Any bid not accompanied by bid security of an amount stipulated in the Invitation for Bids (IFB) or submission of MSE certificate in lieu of Cost of Bidding Documents & Bid

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		NSIC/SSI certificate in lieu of Bid Security (if applicable)", shall be rejected by the Employer as being non-responsive.	Security (if applicable), shall be rejected by the Employer as being non-responsive.
32.	INSTRUCTIONS TO BIDDERS (ITB)- Clause 14.1	The Bidders shall seal the original Part-I (Cost of Bidding Document, Bid Security or NSIC/SSI certificate in lieu of Bid Security (if applicable)", Part-II (Technical Part & Commercial Part; in separate envelopes) and Part-III (Price Bid) and copy of the bids in separate envelopes, each containing the documents specified in ITB Clause 8 , and shall mark the envelopes as "Original" and "Copies," all duly marked as required in ITB Sub-Clause 13.1	The Bidders shall seal the original Part-I (Cost of Bidding Documents, Bid Security or MSE certificate in lieu of Cost of Bidding Documents & Bid Security (if applicable), Part-II (Technical Part & Commercial Part; in separate envelopes) and Part-III (Price Bid) and copy of the bids in separate envelopes, each containing the documents specified in ITB Clause 8, and shall mark the envelopes as "Original" and "Copies", all duly marked as required in ITB Sub-Clause 13.1.
33.	INSTRUCTIONS TO BIDDERS (ITB)- Clause 18.1 (First paragraph)	The Employer may open both Part I and Part II, in the presence of Bidder's designated representatives who choose to attend on the date and the time and at the venue as stipulated in the Bidding Documents. However, Part II will be opened only for those Bidders who would have furnished Cost of bidding document, Bid Security or NSIC/SSI certificate in lieu of Bid Security (if applicable)" as per stipulations of the IFB. Bidder's authorized representatives may attend the opening and shall sign a register / document prepared by the Employer, as proof of their attendance.	The Employer may open both Part I and Part II, in the presence of Bidder's designated representatives who choose to attend on the date and the time and at the venue as stipulated in the Bidding Documents. However, Part II will be opened only for those Bidders who would have furnished Cost of bidding documents, Bid Security or MSE certificate in lieu of Cost of Bidding Documents & Bid Security (if applicable) as per stipulations of the IFB. Bidder's authorized representatives may attend the opening and shall sign a register / document prepared by the Employer, as proof of their attendance.
34.	INSTRUCTIONS TO BIDDERS (ITB)- Clause 18.2 (4th line)	No bid will be rejected at bid opening except for bids not accompanied with Cost of Bidding Document and bid security or submission of NSIC/SSI certificate in lieu of Bid Security (if applicable)" and late bids, which will not	No bid will be rejected at bid opening except for bids not accompanied with Cost of Bidding Documents and bid security or submission of MSE certificate in lieu of Cost of Bidding Documents & Bid Security (if applicable) and late bids, which will not be opened.

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		be opened.	

All other terms & conditions of Tender Notice No. 15/Extn. Project/W/TVNL/RAN/19-20 shall remain unchanged.

Sd/-