

CORRIGENDUM – 2 DT: 07.06.2018 TO TENDER SPECIFICATION BHEL PSSR SCT 1731 - Package 1 and Package 2 for Superstructure Civil, Structural & Architectural Works of Main Plant Area of Units 1 & 2 at 2 x 800 MW Uppur Super Critical Thermal Power Project, Ramanathapuram Dist., Tamil Nadu

Some of the bidders sought clarifications in regard to TENDER SPECIFICATION BHEL PSSR SCT 1731 and BHEL's clarifications are furnished below for information.

S.no	Clause No	Details of Clarification as per Bid Document	Bidder Query	BHEL's Reply
1.	NIT, Clause No. 5, 'Procedure of Submission of Tenders', Point No IV, 'Documents Comprising the e-tender', Page No. 9 of 736	The tender shall be submitted online - ONLY EXCEPT TENDER FEE & EMD (in physical form) as mentioned below:	We understand that this is online tender and only the Original hard copy of the "Tender Fee" and "EMD" shall be submitted to the client on or before the bid submission date. Please confirm.	Confirmed.
2.	NIT, Clause No. 32.0, 'Mode of Award', Page No. 24 of 736	The successful bidder against this quote will be awarded the contract for Package-1.	We understand that the invited tender and the quantities mentioned in the BOQ is only for the Package-1. Please confirm.	The invited Tender is for 2 equal Packages i.e Package-1 & Package-2. The BOQ provided pertains to One Package only.
3.	NIT, Clause No. 20.0, 'Reverse Auction', Page No.21 of 736		We request you that there should not be any reverse auction for awarding of the contract. The contract should be awarded based on the results of the price bid opening (L1 / L2)	Tender Condition prevails.
4.	TCC, Volume IA, Part-I, Chapter-III, Clause No. 1.3.3, Land for Labour Accommodation	Contractor's scope	We request you to provide the Land for Labour Camp inside the site at free of cost.	Tender Condition prevails. Bidders to quote accordingly.

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5.	TCC Volume IA, Part-I, Chapter-III, Clause No. 1.3.3, Open Space, Page No. 56 of 736	Area within plant premises for fabrication, batching plant, office, storage area etc. for construction purpose shall be provided as per availability free of cost. The contractor will be responsible for handing back all lands, as handed over to him by BHEL/TANGEDCO .	We understand that the land required for our site establishments i.e. for Site Office, Stores, Batching Plants, Storage Yard, Workshops, Labour Colony and Staff Colony etc. shall be provided to us free of cost near the site location till the completion of the scope of the work. Please confirm.	Land for site establishments i.e. for Site Office, Stores, Batching Plants, Storage Yard, Workshops shall be provided, as per availability to the bidder free of cost within the plant premises till completion of scope of work.
6.	TCC Volume IA, Part-I, Chapter-III, Clause No. 1.3.5, Water, Page No. 58 of 736	Construction water suitable for construction purposes shall be arranged by the Bidder. & If water is provided by TANGEDCO / BHEL, the bidder will be charged based on the prevailing rates of TANGEDCO/ BHEL.	We request you to provide water required for construction purpose within plant area free of cost.	Tender Condition prevails. Bidder to quote accordingly.
7.	TCC Volume IA, Part-I, Chapter-III, Cl. No. 1.3.6.2 (Material Supply)	Steel materials will be issued from BHEL stores, within the plant premises. Collection and transporting to the place of work is in contractor's scope without any extra cost to BHEL. The steel will be issued to the agency in standard lengths. In some instances for 8mm, 10mm & 12mm dia steel will be supplied in coil form. No extra claims will be entertained against issue of Non-standard lengths of steel and decoiling of 8mm, 10mm & 12mm dia. steel.	We presumed that BHEL stores within the site Premises. kindly confirm.	Material will be issued from the BHEL stores located both inside and outside the plant boundary, which is adjacent to plant boundary.

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8.	TCC, Volume IA, Part-I, Chapter-III, Clause No. 1.3.6.2, Material Supply, Page No. 58 of 736	The steel material will be issued from BHEL stores, within the plant premises. Collection and transporting to the place of work is in contractor's scope without any extra cost to BHEL.	We request you to indicate us the distance of the BHEL store from the site location.	- do -
9.	TCC, Volume IA, Part-I, Chapter-III, Clause 1.3.6.6, River Sand	The bidder shall quote his price considering only River Sand usage. If crushed stone sand/M-sand is used in place of river sand, rebate of Rs.100/- per cum of M-SAND consumed shall be applicable for all items/ works where M-Sand is used in place of River sand. Measurement for the rebate shall be calculated based on quantity of M-SAND consumed in the particular item, not on the quantity of the particular item. For Example, if the M-sand consumption per Cum of concrete is 0.5Cum, the measurement for the rebate shall be considered for 0.5cum of M-Sand consumption only, not for 1cum of concrete. This is applicable for all items of BOQ where M-sand is used in place of River sand.	Request to delete this clause, since non availability of River sand. And allow us to quote with M- sand.	Tender Condition prevails

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10.	TCC, Volume IA, Part-I, Chapter-II, Clause No. 1.3.6.6, Material Supply, Page No. 59 of 736 & Clause 10.17 Materials to be Used / Supplied by Contractor, Volume – VI Civil & Structural Works, Page No. 195 of 736	The bidder shall quote his price considering only River Sand usage. If crushed stone sand/M-sand is used in place of river sand, rebate of Rs.100/- per cum of M-SAND consumed shall be applicable for all items/ works where M-Sand is used in place of River sand. & In certain cases crushed stone sand may be added to natural sand in order to achieve the required grading with prior approval of the Owner.	We understand that we shall be allowed to use crushed stone/ M-sand in case the river sand is not available without any rebate. Please confirm.	M sand shall be allowed to be used with prior approval of BHEL/ TANGEDCO with applicable rebate as per tender condition.
11.	TCC, Volume-IA Part-I Chapter-VI, Clause 1.6.5, Time Schedule	The contract period for completion of entire work under scope of each package shall be 30 (Thirty) months from the "COMMENCEMENT OF CONTRACT PERIOD"	The construction period mentioned in the tender document for work (for Package 1) seems to be less. We proposed that the construction period shall be 36 Months. Please consider and confirm.	Tender Condition prevails
12.	TCC, Volume-IA Part-I Chapter-VII, Cl. No. 1.7.3	Interim Payment	Fabrication (F), Erection (E), Alignment & Welding (A&W) activity of structural steel work are involved for Item No. 2301a, 2301b, 2301c & 2301d. According to Interim Payment terms, payment shall be paid after completion of all works. In order to maintain the Project	Terms of Payment as available in Chapter VII of TCC may be read in conjunction with GCC Clause No. 2.23.1. Tender Condition prevails.

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			<p>Schedule, generation of proper cash flow is very much essential and hence we would request to introduce breakup of payment terms for Fabrication, Erection & Welding separately for above mentioned BOQ items in each stage i.e. (F-65%, E-25%, A&W-10%) activity.</p> <p>Supply (S), Fabrication (F) and Erection (E) activity are involved for Item No. 2307, 2311, 2312, 2315, 2316, 2318, A2316, 2320. According to Interim Payment terms, payment shall be paid after completion of all works. In order to maintain the Project Schedule, generation of proper cash flow is very much essential and hence we also request to introduce breakup of payment terms for Supply, Fabrication, Erection & Welding separately for the mentioned BOQ items in each stage (i.e. S-65%, F-25%, E-10%).</p>	

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13.	TCC, Volume-IA, Part-I, Chapter VIII, Clause 1.8.1, Goods and service Tax (GST) & Cess	Contractor's price/rates shall be exclusive of GST & Cess (if applicable) (herein after termed as GST). Contractor shall submit to BHEL the GST compliant tax invoice/debit note/revised tax invoice on the basis of which BHEL will claim the input tax credit in its return. Since this is a works contract, the applicable rate shall be @ 18% GST, as applicable presently.	We presumed that the Contract Amount is excluding GST & Labour Cess. Kindly Confirm.	Contract price shall be exclusive of GST & Cess (if applicable). For BOCW and Labour Cess please refer Clause 1.10.3.1 of TCC. Bidder to quote accordingly.
14.	TCC, Volume-IA, Part-I, Chapter XIII, Clause 1.13.2.2.2.2 STRUCTURAL STEEL, (ROLLED SECTION, PLATES ETC.) CONSUMPTION & WASTAGE.	Structural Steel : Invisible wastage (max limit to 0.5%), if any, shall be considered to be included in the specified 4 % allowable wastage.	We request you to consider Invisible wastage (max limit to 1%), if any, shall be considered to be included in the specified 5% allowable wastage as per the existing contracts , Additionally considered Rolling margin variation shall be extra over this percentages	Tender condition prevails. Bidders to quote accordingly.
15.	TCC, Volume-IA, Part-II, Chapter 1, Sl.No.1 , Page No. 102 of 736	In case total EMD amount is more than Rs.20 Lakh, the amount in excess of Rs. 20 Lakh may be accepted in the form of Bank Guarantee from Scheduled bank. The Bank Guarantee in such cases shall be valid for at least six months from the scheduled due date of tender submission mentioned in the Notice Inviting Tender.	We understand that the EMD amount shall be of Rs. 1,29,00,00/- (Rupees Two Crores Ten lakhs Only) out of which Rs. 20 Lakhs in form of Demand Draft and Balance in form of bank guarantee. Please confirm.	The EMD amount shall be Rs. 1,29,00,00/- (Rupees One Crore Twenty Nine lakhs Only). The option proposed by the bidder towards payment of EMD is acceptable.

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16.	TCC, Volume-IA Part-II Chapter 1, Sr. No. 6 , Quantity Variation, Page No.109 of 736	Clause 2.14.1 in GCC is revised as "The quantities given in the contract are tentative and may change to any extent (both in plus side and minus side). The quoted rates for individual items shall remain firm irrespective of any variations in the individual quantities. No compensation becomes payable in case the variation of the final executed contract value is within the limit of Minus (-) 30% of awarded contract value."	We request you to amend the clause as: Clause 2.14.1 in GCC is revised as "The quantities given in the contract are tentative and may change to any extent (both in plus side and minus side). The quoted rates for individual items shall remain firm irrespective of any variations in the individual quantities. No compensation becomes payable in case the variation of the final executed contract value is within the limit of Minus (-) 15% of awarded contract value."	Tender condition prevails. Bidders to quote accordingly.
17.	TCC, Volume-IA Part-II Chapter 1, Sr. No. 7 , Price Variation Compensation (PVC)	In order to take care of variation in cost of execution of work on either side, due to variation in the index of LABOUR, HIGH SPEED DIESEL OIL, WELDING ROD, CEMENT, STEEL, MATERIALS, Price Variation Formula as described herein shall be applicable (only for works executed during extended period, if any, subject to other conditions as described in this section).	We request to Provide the PVC clause for during the Contract period, since the duration project is 30 Months.	Tender condition prevails. Bidders to quote accordingly.

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18.	TCC, Volume-IA Part-II Chapter 1, Sr. No. 7 , Price Variation Compensation (PVC) Clause No. 2.17.5 and Clause No.2.17.9	Base date shall be the calendar month of the schedule completion date (i.e. Actual Start date + Scheduled Contractual Completion period as per Letter of Intent / award and / or work order). & PVC shall be applicable only, during extended period of contract (if any) after the scheduled completion period and for the portion of work delayed/backlog for the reasons not attributable to the contractor.	We request you that Base date shall be 28 days before the date of submission of the bid, and hence PVC shall be payable applicable during scheduled period of execution and extended period of contract (if any).	Tender condition prevails. Bidders to quote accordingly.
19.	Annexure- C1 & Annexure-T1 dated 01/06/2017, Rate of Hire Charges applicable to contractors working for BHEL	The revised rates will be effective from 1.06.17 and will remain valid upto 31.5.2019 and will be subject to revision thereafter.	We understand that the given rates of hire charges will remain same till the completion of the Package "1" & Package "2". Please confirm.	The tender condition clearly states that rates remain valid upto 31.5.2019 and will be subject to revision thereafter. Bidder to quote accordingly.
20.	Drawings		We request you to provide us the drawings showing details of the foundation and cross sectional details in order to get the clear idea about the structures. Also, we request you to provide us the detailed drawings of TG deck in order to get the clear idea about the TG form work.	Drawings for TG deck shall be provided during construction. Other drawings shall be released in a phased manner.

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21.	GCC, Clause No. 2.7.9, Liquidated Damages/ Penalty, Page No. 67 of 165	If the contractor fails to maintain the required progress of work which results in delay in the completion of the work as per the contractual completion period, BHEL shall have the right to impose Liquidated Damage/Penalty at the rate of 0.5% of the contract value, per week of delay or part thereof subject to a maximum of 10% of the contract value.	We request you that the liquidated damages shall be 0.25 % of the contract value per week of delay or part thereof subject to maximum of 5% of the contract value, if the delay is attributed to the contractor. Please consider and confirm.	Tender condition prevails. Bidders to quote accordingly.
22.	GCC, Clause 2.22, SCC, Clause 10.0 Retention Money	5% of executed contract value and shall be recovered at the rate of 5% from each Running Bill admitted, including PVC Bills.	We request to accept the Upfront BG equivalent to retention Value.	Retention amount as specified in GCC, Clause 2.22 & SCC, Clause 10.0 has been revised in the tender, vide Sl.No.14 of Volume-IA, Part-II, Chapter-1. As such, tender condition prevails. Bidders to quote accordingly.

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23.	BOQ, 108, b	Earthwork in Back filling upto any depth below ground level around foundations, plinths, trenches, drains etc to proper grade and level in layers not exceeding 250 mm thickness using/with selected materials earth directly from excavation within a lead upto 1Km and compacted as specified including re-excavation of stacked earth, watering, ramming/compaction by manual/mechanical means, dressing etc all complete, for the following:	We presumed that the back filling from directly excavation, the re-excavation activity will not apply in this item. kindly confirm.	BOQ Item description is corrected as – “Earthwork in Back filling upto any depth below ground level around foundations, plinths, trenches, drains etc to proper grade and level in layers not exceeding 250 mm thickness using/with selected materials earth directly from excavation within a lead upto 1Km and compacted as specified including watering, ramming/compaction by manual/mechanical means, dressing etc all complete, for the following:”
24.	BOQ - A920	Analysis, Design and Supply of Roof skylight structure with tubular sections for atrium with 6mm thick Polycarbonate sheet multi (twin) wall fire retardant and ultra violet resistant with sealed open edges for sky light for approved shape like dome, pyramidal etc. Joints are properly sealed with sealent, screws with pvc cap, self tapping screws, epdm rubber gasket. etc all complete as per detailed drawing and specification.	We presumed that necessary structural steel shall be supplied by BHEL. Kindly confirmed.	Tubular sections where polycarbonate dome, pyramidal are mounted as explained in the item description is in the scope of bidder. Structural steel shall be provided free of cost by BHEL for Supporting structure of *entire system explained in the item description. * entire system means tubular sections with polycarbonate sheet panels.

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25.	BOQ - A922	Providing and fixing of wooden panels of veneered BWP grade plywood including teakwood baton grid for interior partition including fittings, fixtures etc.The wall panel shall consist of teak wood batten grid of size 600x600 mm or as per site requirement. The size of batten shall be 2 inch x 1 inch. BWP grade plywood conforming to IS:710 shall be fixed on this grid. The Venner of approved quality and shade shall be fixed on the plywood as exterior finish with suitable adhesive. The entire work shall be carried out as per site in charge all complete as per specification.	We presumed that the thickness of plywood shall be 6 mm. Kindly Confirm.	The thickness of plywood shall be considered as 12 mm.
26.	BOQ - A924	Providing and fixing polished teakwood handrail on stainless steel pipe handrailing all complete as per specification and directions of engineer in charge (stainless steel pipe hand railing to be paid in A2320)	We presumed that the size teakwood handrail shall be 50 x 50 mm. Kindly Confirm.	The size of teakwood handrail shall be considered as 50 x 75mm.

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27.	BOQ - A1841	Analysis, Design, supply, fabrication & installation of Tubular Day-Light System on the Roof top /vertical walls of the Building with Transparent prismatic Dome (Solar Collectors) of clear polycarbonate sheet of minimum 2 mm thickness and Daylight Pipe (That Carries multiple reflections from the Daylight pipe's specular inside surface) inside the building to transfer sunlight to the indoor spaces through diffusers. The transparent dome collects sunlight from above the roof level and then the daylight pipe guides the same to the interior spaces of a building. The diffuser shall be installed as per the required lumen output as per design and specification. While installing the daylight pipe, correct type of roof flashing should be used so that no ingress of water, dust, etc. takes place at the junction between masonry Work and daylight pipe. The dome, light pipe and diffuser should be electrostatically neutral during installation. The lumens output shall be as per standard design parameters & requirement.	We presumed that necessary structural steel shall be supplied by BHEL. Kindly confirm.	Confirmed.