

**CORRIGENDUM - 2 DT: 13.07.2018 TO TENDER SPECIFICATION BHEL PSSR SCT 1740 - Civil, Structural and Architectural works of Coal Handling Plant & Ash Handling Plant area (Inside & outside plant boundary) at 2x660 MW Ennore SEZ Super Thermal Power Project, at ash dyke of North Chennai Thermal Power Station (NCTPS), Thiruvallur District, Tamil Nadu**

Some of the bidders sought clarifications in regard to TENDER SPECIFICATION BHEL PSSR SCT 1740 and BHEL's clarifications are furnished below for information.

Sl.No	Description	Reference	Existing Clause	Query	BHEL Reply
1	Mode of award of work	NIT Cl. 32.3	Mode of Award of work	Bidder understood, incase the other bidders (L2, L3 and so on till H1 in that order) are not in a position to accept the package B for the same amount accepted by BHEL for package A, in that case BHEL has option to award the package B to the L1 bidder, if they are in a position to accept the same.	Tender condition prevails. Bidders to read Clause No. 32.3 in conjunction with Clause No. 32.1.
2	Scope of Works	Clause 1.2.2, Volume IA PART - 1 Chapter II	Raw Reinforcement steel & structural steel shall be provided by BHEL free of cost only for the permanent works	Bidder understood that the free supply of rebar / structural steel by BHEL shall be of standard size / good for construction condition and without any bends. Kindly Confirm.  Also Kindly specify the diameter of Reinforcement steel & type of structural steel respectively.	1. Reinforcement steel may come in coil for lower dia i.e. 8mm, 10mm and 12mm 2. Reinforcement steel diameter may vary from 8mm to 36mm 3. Structural steel will be supplied in various section i.e. Plates (of various thickness based on design requirement, which will be furnished progressively, rolled sections (including all i.e. channel, angle, joists, etc.) of various sizez as per design requirement.
3	Scope of Works	Clause 1.2.3, Volume IA PART - 1 Chapter II	The scope of work outside the plant mentioned above includes super structure works across canal/water bodies & outside the plant boundary for few stretch. The preparatory works like filling of earth on water bodies for the movement of men, materials and T&Ps shall be in the scope .....	Bidder requests the employer to provide the cross sectional details of the superstructure works to be carried out in Canal / Water Bodies.  Kindly provide the autocad drawings / layout of the superstructure works to be done across canal / water bodies so as to consider suitable construction methods.	Relevant documents/drawing is enclosed for reference.
4	Scope of Works	Clause 1.2.3, Volume IA PART - 1 Chapter II	Geotechnical Reports	Bidder request to provide the geotechnical information of the site.	Relevant documents/drawing is enclosed for reference.
5	Scope of Works	Clause 1.2.9, Volume IA PART - 1 Chapter II	Drawings showing enough details for the construction as per the specification shall be furnished to the contractor in a phased manner.	Bidder requests the employer to provide preiminary drawings to understand the scope of works mentioned in package A & Package B.  Bidder request to provide the drawings, cross section details of the Silos.	Plot plan already provided. Silo drawings shall be provided after completion of engineering.

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6	T&Ps and MMEs to be deployed by the contractor	Volume IA PART - 1 Chapter IV	The T&Ps given below is only indicative	Bidder understands that the list provided is indicative only and not mandatory. Actual deployment of Plant & machinery shall be as per site requirement in phased manner.	List of T&Ps provided is indicative. Any other T&Ps required in addition to those mentioned in the list, should be deployed as per site requirement.
7	T&Ps TO BE DEPLOYED BY BHEL ON SHARING BASIS	Volume IA PART - 1 Chapter V Clause 1.5.1	BHEL will provide suitable higher capacity cranes above 150T capacity to the contractors as per the requirement at the discretion of BHEL on free of hire charges on shareable basis.	Bidder understood that suitable capacity, required number of cranes based on erection scheme shall be provided by BHEL at free of cost including all maintenance and operation for the required duration as per site condition. Kindly confirm.	Based on site requirement, crane of higher capacity only (i.e. above 150 MT capacity crane) will be provided by BHEL. Operation and maintenance of the crane will be provided by BHEL. Only in exceptional circumstances, the bidder has to provide required man power assistance for emergency maintenance works
8	Time Schedule	Vol. IA Part - I Chapter - VI Clause 1.6.1.1.	The commencement of work at site shall be within 15 days from the date of LOI.	The clause shall be read as, The commencement of work at site shall be within 30 days from the date of LOI or receipt of mobilization advance, whichever is later.	Tender condition prevails.
9	Advance for Mobilization	Clause 1.7.2 , Vol. IA Part - I Chapter - VII	Interest bearing advance for Mobilization, limited to 5% of the contract value	Bidder requests the employer to provide interest free mobilization advance	Tender condition prevails.
10	Material Handling	Vol. IA Part - I Chapter - XII, Clause 1.12.5	The contractor shall in no case be entitled for any compensation or damages on account of any delay in supply or non-supply thereof for all or any such material.	Bidder requests client for compensations for any reasons not attributable to the contractor.	Bidders to refer clause no. 2.12 of GCC.
11	Supply of materials	Vol. IA Part - I Chapter - XIII, Clause 1.13.6	If wastage exceeds the specified limit, the recovery of excess wastage shall be made from monthly R/A Bill at the Penal Rate	Bidder requests client to remove the wastage penal rates towards recovery mentioned and consider the return of materials as surplus by weight, irrespective of their sizes.	Tender condition prevails.
12	Bid Submission Date	-	-	Bidder requests the employer to extend the bid submission date to 14.08.2018.	Bidders to refer Corrigendum 1 dated 11.07.2018

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13	BOQ	Volume-II, BOQ, Item No-110	Earth work in backfilling -----with approved borrowed soil (borrowed soil to be arranged by the bidder) ----- ----- etc all complete as per specification, drawing and as directed by the engineer for the following:	(a) Bidder is requesting you to mention the base rate of filling earth as, as per the site survey, filling borrowed earth is not available for the projects already running. (2) At the end of the description, it is written "----for the following:". Please clarify.	(a) Bidder is requested to explore the area and availability of borrowed earth suitable for filling. (2) Item description is amended as below - "Earth work in backfilling -----with approved borrowed soil (borrowed soil to be arranged by the bidder) ----- etc all complete as per specification, drawing and as directed by the engineer <b>the engineer to achieve 95% maximum dry density</b> "
14	BOQ	Volume-II, BOQ and Volume-IA, Technical Spec		Due to non-availability of River sand, we will use M.sand instead of River sand for all the project work. Please confirm.	M-sand may be considered for all the work except BOQ Item No. 111 of Price Bid
15	BOQ	Volume-II, BOQ, item no-111	Supplying and filling sand upto any depth under floors, around foundations, -----, royalty (if any) etc. all complete.	Due to non-availability of Filling sand, we will use Moorum instead of filling sand. Please confirm.	Tender conditions prevail.
16	BOQ	Volume-II, BOQ, Item No-1001 & A1002	Providing brick work -----, Using burnt clay bricks of class designation 7.5/5 of nominal dimension	Due to non-availability of clay bricks, bidder request you to consider for fly Ash Bricks use in Brick work instead of burnt Clay bricks.	As the quantity of fly ash bricks is more, the fly ash bricks shall be envisaged for masonry works. However, type of bricks to be used, shall be as per the approved drawings.
17	Bid Submission Date	NIT	Last date of submission of Bid is 10th July, 2018, Time :15.00 Hrs	As the work involves bought out items and specialized agencies. To quote our best competitive bid we need to get the competitive rate from vendors & Agencies. Considering the above, we earnestly request you to extend the last date of submission of Bid for a minimum of 15 days i.e. 26-07-2018	Bidders to refer Corrigendum 1 dated 11.07.2018

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18	DEWATERING	Clause No.1.3.10, page 83of 855	Providing well point dewatering system, as per site requirement is in the scope of bidder and shall be payable separately as per the relevant item in price bid/BOQ	As we understand that wherever well point dewatering required for foundations the excavated qty is measurable and the same qty is indicated in BOQ	Excavated quantity of earthwork of the pit for the particular foundation work will be taken into consideration for measurement.
19		1.3.11, page 83 of 855	Bid Drawings	We request to give the separate layout plan indicating all scope of structures covers under this package.	Plot plan already provided.
20	Time Schedule	1.6.4, page 7 of 855	GUARANTEE PERIOD-Guarantee period of 12 months shall commence from the date of completion of the whole of the work certified by the Engineer	As we know it's a purely civil & structural works and majority superstructure works only. So We request to consider Guarantee period will consider for 6 months only. Alos how the Guarantee period will consider if the structure fails under sub structure level.	Tender conditions prevail.
21		General	Reverse auction	Please confirm whether the reverse auction is applicable for this tender or not	Bidder to Refer clause No. 20 of NIT
22	Space for Labour Colony	1.3.3.1 & 1.3.3.2 page 59 of 855	OPEN SPACE-Area within plant premises for fabrication, batching plant, office, storage area etc. for construction purpose shall be provided as per availability free of cost. Contractor has to make his own arrangements for labour colony	We request to provide land for labour colony within the plant or adjacent to the plant boundary at free of cost	Tender conditions prevail.
23	Scope of Power & Water	1.3.4 & 1.3.5 pages 59&60 of 855	Power & Water Construction power will be provided to the contractor on prevailing rates of TANGEDCO on chargeable basis	Bidder request to provide construction power & construction water at free of cost	Tender conditions prevail.

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24	Scope of Material Supply	1.3.6.3 page 61 of 855	foundations, underground structures & structures coming in contact with sea water where in sulphate resistant cement with C3A content limited to 5% or Ordinary Portland cement with C3A content 5% to 8% shall be used depending on the presence of sulphate and chlorides in water / soil.	As we understand that sulphate resistant cement shall be used for PCC , foundations/substructure, grade slab, paving, drains, under floors etc at all level below finished floor level, any shape, position or thickness etc	Both, sulphate resistant cement as well as ordinary portland cement can be used as mentioned in the clause, as approved by BHEL.
25		General	Reinforcement	As we know foundations/pilecap works already been constructed. Please clarify whether the column rebars in pile cap portion shall be consider into the BOQ account or not.	Reinforcement which is erected as new by the bidder, shall only be paid. Reinforcement already provided by some agency/protruding out of the RCC from the existing RCC structures will not be considered for measurement. However, making lap from the existing reinforcement including handling of existing/protruded reinforcement, straightening/bending, if required, shall be in the scope of bidder.
26	BOQ	Page no. 47, ref.no. 2301.0 of BOQ	"Fabrication, erection and alignment of structural steel..... Approval of fabrication drawings, in consultation with BHEL (BHEL to supply steel free of cost)	Please confirm that supply and fixing of permanent bolts are not in vendor's scope of work	All structural works are welded joints, however erection bolts if any needed, will be in the scope of bidder.
27	BOQ	Page no. 47, ref.no. A2302.0 of BOQ	Extra over ST NO. 2301 for blast cleaning of steel structures to near white metal surface (Sa 2 1/2) as per SIS 05-5900 and applying 100 micron total DFT zinc silicate primer (two coats of 50 micron DFT each), including touch-up painting etc all complete	As per paint manufacturer's suggestion application of two coats of zinc silicate primer is not technically viable. Please look into it and confirm the number of coats to be applied.	Tender condition prevails.

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28		Cl. No. 1.7.3 of TCC	Interim payment (Interim bills in the form of monthly running bills)	There is no provision for separate payment terms for fabrication, erection & alignment for Item ref. no. 2301.0 of BOQ. As per proper cash flow is an essential part for smooth project execution, hence we would request for separate payment terms for fabrication, erection & welding for the said item as per the following 60% shall be payable after completion of fabrication 30% shall be payable after completion of erection 10% shall be payable after completion of alignment, welding & quality check	Bidder may refer clause no. 2.23.1.(v) of GCC

**Note:-**

All other Terms & Conditions remain unchanged.

**Encl:-**

- |   |   |                          |
|---|---|--------------------------|
| <ul style="list-style-type: none"> <li>1. Plot Plan - Inside Plant Boundary - 01 Page (Enclosed as Annexure 1)</li> <li>2. Plot Plan - Outside Plant Boundary - 01 Page</li> <li>3. Road Layout - Inside Plant Boundary - 01 Page</li> <li>4. Pipe Conveyor Plan - 01 Page</li> <li>5. Pipe Conveyor Profile - 01 Page</li> <li>6. Pipe Conveyor &amp; CW Pipe Gallery Cross Section - 01 Page</li> </ul> | } | (Enclosed as Annexure 2) |
| <ul style="list-style-type: none"> <li>7. Profile of Conveyors BCZ-1A1B &amp; SFC-1A1B - 01 Page (Enclosed as Annexure 3)</li> <li>8. Geotechnical Investigation Report Inside Boundary - 551 Pages (Enclosed as Annexure 4)</li> <li>9. Geotechnical Investigation Report Inside Boundary - 204 Pages(Enclosed as Annexure 5)</li> </ul>   |   |                          |