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AMENDMENT -01 to NIT No. 34261

Dated 18.09.2017

Ref: Tender Spec No: TBSM/ARIYALUR/CIVIL/PKG-IV/TENDER, Dated 28.08.2017

With reference to above tender for "Civil works of yard and buildings (excluding gravel spreading and compound wall work) of 765/400kV substation at Ariyalur in Tamilnadu" following clarifications/ amendments may please be noted.

1. Technical Clarifications:

BHEL clarifications against bidders' queries are attached.

2. Earnest Money Deposit (EMD):

Central/ State PSUs/ Government department are exempted from submission of EMD in subject tender.

3. Tender Submission Date:


Due date & time for tender submission and technical bid opening are extended as below

Tender submission date & time: 26.09.2017, 14:30 hrs.

Technical bid opening date & time: 26.09.2017, 15:30 hrs.

Bidders are requested to submit a copy of amendment-01 duly signed & stamped by their authorized signatory.

All other terms & conditions of the tender specifications remain unchanged.


18/09/17
Krishna Swaroop Singh
(DGM/ TBSM)

CLARIFICATIONS

Date: 18-09-2017

Project: EXECUTION AND HANDING OVER OF CIVIL WORKS OF YARD AND BUILDINGS (EXCLUDING GRAVEL SPREADING AND COMPOUND WALL WORK) OF 765/400KV SUBSTATION AT ARIYALUR IN TAMILNADU

Tender Spec. No.: TBSM/ARIYALUR/CIVIL/PKG-IV/TENDER, Dated 28.08.2017

Sl. No.	Reference document	Description as per document	Bidder's Query	BHEL Reply
1	Bill of Quantity Cum Price Schedule, Item Sl.No.1 & 2 Scope, Specific Technical Requirements & Quantities (Cl.No. 1.3.4)	Earth work excavation and depositing on bank....	As per Cl.No.1.3.4, Excavation shall be measured in cubic meters. The lateral dimensions to be considered for working out excavation quantity shall be the PCC dimension below the footing as per approved drawing. Nothing extra shall be paid for slope cutting, etc. Backfilling & disposal quantities shall be worked out based on the above dimensions only. Please arrange to amend the above tender provision such that the actual excavated volume with necessary working space as approved by BHEL site Incharge at site/ as per IS-1200 shall be payable to the Contractor so as to enable the Contractor to quote the correct rate without any ambiguity.	Bidder has to follow the specification issued
2	Bill of Quantity Cum Price Schedule, Item Sl.No.2	Refilling the foundation and basement with excavated earth including ramming as per specification, cost of all materials, leads and lifts etc., complete.	Please arrange to provide the maximum lead for this item.	Bidder has to follow the specification issued. Lead as per site conditions.
3	Bill of Quantity Cum Price Schedule, Item Sl.No. 8a, 8b, 9, 10, 11, 12 a to d, 13 a to c, 15, 99 a to e	RCC Concrete work using 12 to 20 mm size Hard Broken Stone including cost of all materials, form work, centering	Please arrange to provide separate item for centering and shuttering work so as to enable the Contractor to quote the correct rate without any ambiguity.	Bidder has to follow specification issued.
4	Bill of Quantity Cum Price Schedule, Item Sl.No. 122	Transporting and levelling of excavated earth to low lying area and consolidation with power roller within sub station premises....	Please arrange to provide the maximum lead for this item.	Bidder has to follow specification issued. The bidder may visit the site for its own assessment.
5	Bill of Quantity Cum Price Schedule, Item Sl.No. 124	Supply and fixing of rails in transformer plinth....	Please arrange to provide the specification and type of joint to be operated for this item.	Details shall be provided during detailed engineering to the successful bidder.

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Sl. No.	Reference document	Description as per document	Bidder's Query	BHEL Reply
6	Mobilization Advance	No advance shall be payable towards mobilization and materials brought at site.	Please consider to provide 10% of Contract value as interest free mobilization advance against submission of Bank Guarantee of equivalent value of advance.	Tender conditions shall remain unchanged.
7	Cl.No. C-10.2.1, C-10.2.6 Page 54 of 70	Extra/ Additional items of work	As per Cl.No. C-10.2.6, If the rate for additional, altered or substituted work is available in DSR 2012, then the rate shall be settled as below: "[DSR 2012 rate – 9.1%] along with applicable % as per Contract" Since, the DSR 2012 rates have been already replaced with DSR 2016 by CPWD. Please arrange to amend this clause such that the rate for additional, altered or substituted work shall be settled as per market rate analysis submitted by the Contractor at site.	Tender conditions shall remain unchanged.
8	Plot Plan and other Tender Drawings	Not furnished	Please arrange to provide the plot plan drawings which are required to assess the correct cost of handling of various construction materials, preparatory works required etc within the project site. Please arrange to provide plan and elevation drawings for Tower, Equipment foundation, Transformer foundation, Reactor foundation, Fire wall, Retaining wall, Culvert, Control Room Building, DG Building, Switchyard panel Room and Cable trench etc to enable the bidder to assess the correct quantum of staging materials and other resources required for the construction of above structures. Also, as per the Bill of Quantity Cum Price Schedule, Item Sl.No. 8a, 8b, 9, 10, 11, 12 a to d, 13 a to c, 15, 99 a to e, the cost of centering and shuttering work has to be included in the quoted rates of corresponding RCC items. The correct quantity of centering and shuttering work required for execution of above buildings cannot be calculated without above drawings. Hence, Please arrange to provide plan and elevation drawings of above structures.	Drawings shall be provided to the successful bidder during detailed engineering. However, the tentative size of Control Building is 27m(L)x22m(B)x10m(H) Two storeyed with mumty and switchyard panel room size is 10m(L)x6m(B)x5m(H) with sloped roof.

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Sl. No.	Reference document	Description as per document	Bidder's Query	BHEL Reply
9	Cl.No. C-20.1, Page 59 of 70 Construction Power and Water	The recovery towards consumption of Construction power and water shall be made on actuals at the rate prevailing at the time of drawl.	Please arrange to specify the firm rate of recovery towards Construction power and water.	Tender conditions shall remain unchanged.
10	Bill of Quantity Cum Price Schedule	Supply of Cement	Based on the rates furnished by BHEL for PCC, RCC, Masonry and plastering works, it is understood that Cement shall be supplied by BHEL free of cost. But the same is not mentioned clearly in Tender document. Please clarify.	For all works of the contract, wherever cement is required for execution of the works, supply of the cement is in the bidder scope. BHEL will not supply cement under this contract.
11	Bill of Quantity Cum Price Schedule	PCC, RCC, Masonry and Plaster work	Please note that there is a sever scarcity of River Sand in Tamil Nadu. Only 10 out of 38 sand quarries are functional and due to which over 30-40% of construction activity has been hit across the State. Chennai, Kanchipuram, and Thiruvallur districts are the worst hit. Hence, please arrange to confirm that the M-Sand will be permitted for all Concrete and Sand filling works.	Bidder to quote considering river sand only for all items of BOQ related with sand. However in case of non-availability of the river sand, and subject to approval by customer, good quality crushed stone sand / M-sand, conforming to the grading limits and other requirements set in IS:383 may be used. If crushed stone sand/M-sand is used in place of river sand, Net rebate of Rs. 100/- per cum of concrete on final amount shall be given by the bidder for all concreting items.
12	BOQ Rate		Please note that the estimated rates provided by BHEL at Annexure I to V of Bill of Quantity and Price Schedule looks abnormally on lower side based on our experience and prevailing cost of materials and services at Ariyalur, required for the execution of work. Since, this is percentage item rate tender, we request you to revise the estimated rates to enable the successful bidder to execute the work smoothly.	Bidders to quote percentage above or below or at par the rates mentoned in the Bill of Quantities of subject tender as per format attached in NIT.
14	Bill of Quantity Cum Price Schedule, Sl.No.46	Weathering course over roof ... (including water proofing treatment over roof to prevent leakage)....	Please arrange to provide specifications for water proofing treatment.	Bidder has to follow the specification issued
15	Bill of Quantity Cum Price Schedule, Sl.No.89	Supply and fixing of weld mesh	Please arrange to provide specifications of weld mesh such are weight per sqm etc.	Bidder has to follow the specification issued
16	Bill of Quantity Cum Price Schedule, Sl.No.126	Supply and Labour charges for Transport and erection of gratings....	Please arrange to confirm the type of grating such as MS grating or Electroforged GI grating.	Bidder has to follow the specification issued

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Sl. No.	Reference document	Description as per document	Bidder's Query	BHEL Reply
17	Earnest Money Deposit	Every tender must be accompanied by the earnest money deposit of Rs.65,70,584 /- in cash (as permissible under Income tax Act), Pay order or Demand Draft Only.	Whether EMD can be submitted in the form of BG	Revised EMD amount is Rs. 42,85,292/- . Pl. refer corrigendum no. 1 to NIT dated 01.09.2017. EMD amount in excess of Rs. 20 Lakh can be submitted in form of BG. Pl. refer detail terms at 'annexure to conditions of contract for civil works' of NIT.
18	Cement & Steel	The theoretical quantity of Cement to be used in works shall be calculated on basis of the design mix concrete and as per CPWD Norms for all other based on the latest edition in use in CPWD works Delhi at the time of Tender The theoretical weight of the reinforcing steel shall be derived on the basis of sectional weights as per relevant Indian standards and the lengths for purpose of consumption reconciliation and payment. No claim shall be entertained from the contractor as such for the difference in theoretical and actual weightage of steel during reconciliation or payment for fixing	With regards to reconciliation of steel and cement we can only provide statement for cement. For steel we cannot provide as there is no drawing and that will be voluminous job. At this situation however it will not be appropriate to give cement consumption statement unless the design mix is done.	Reconciliation Statement of reinforcement steel and cement shall be required to be submitted during execution of the contract for the purpose of billing, etc. However, the latest CPWD Norms/ Specification prevailing at the time of the tender as mentioned in the tender clause shall be used for calculation of the theoretical quantities of cement and reinforcement steel.

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