



Ref: : BHE/PW/PUR/UKT- CVL/573/AMD-02 (Page-1/ 8) Dated: 21/04/2008

To,

ALL BIDDERS

Dear Sir,

SUB : AMENDMENT – 02 (REVISION IN RATE SCHEDULE & EXTENSION OF DUE DATE- REG

NAME OF THE WORK: CIVIL, STRUCTURAL & ARCHITECTURAL WORK FOR MAIN POWER BLOCK ALONG WITH ITS AUXILIARIES AND BOP FOR 1x500 MW THERMAL POWER STATION, EXTENSION UNIT#6, GUJARAT STATE ELECTRICITY CORPORATION LIMITED AT UKAI, DISTT. TAPI (GUJARAT); **TENDER SPECIFICATION NO : BHE/PW/PUR/UKT- CVL/573**

Bidder may refer "Part-II (Volume-III) Price Bid" issued against this tender. In BOQ, we have now included some new items and also revised some items considering bidders clarification. As such we are now issuing "Revised Price Bid- Part-II (Volume-II) –Revision-01"

Therefore earlier price bid "Part-II (Volume-III) Price Bid" shall be null & void. Bidders are hence requested to quote their prices in Revised Price Bid- Revision-01 enclosed with this amendment.

In case bidder quotes their price in earlier price bid, same shall not be considered as valid for price evaluation. In case bidder has specific clarification on this Revised BOQ, same shall be clarified if bidder submitted their clarification **on or before 27/04/2008**. Any clarification after 27/04/2008 shall not be considered by us. The clarifications/amendments mentioned here shall be a part of this tender specification. As such bidders are requested to consider above clarification/amendment while submitting their offers.

Bidders may please download these documents from web and enclose print out of same with technical bid duly counter signed by your authorized signatory and stamped with official seal as a token of your unqualified acceptance of this amendment.

THE LAST DATE FOR OFFER SUBMISSION FOR THE SUBJECT TENDER IS RESCHDULED AS 05/05/2008. Bidders are requested to submit their most competitive offer on or before 6:00 pm (18:00 Hrs) of 05/05/2008 at our office. The Technical Bids will be opened on 06/05/2008 at 11:00 am in our office. BHEL will not give any further extension for offer submission. All other terms & condition of the tender specification shall remain unchanged unless and otherwise expressly amended by BHEL.

Thanking you.

Yours faithfully

SR. MANAGER(PURCHASE)

A) AMENDMENT TO TENDER SPECIFICATIONS ARE AS BELOW:

SR NO	EXISTING TENDER SPECIFICATION	AMENDED TENDER SPECIFICATIONS
1.	<p>Refer Section:12 of Technical bid –Part-I, CI No : 12.1.7.2 12.1.7.2 STRUCTURAL WORK</p> <p>100% OF ITEM RATE ON PRORATA BASIS AGAINST MONTHLY RA BILLS AS FOLLOWS.</p> <p>AS PER SCHEDULE OF RATE FOR ITEM NO. COMPOSITE RATE FOR ITEM NO., WHICH CAN BE FURTHER BREAK UP AS FOLLOWS:-</p> <p>A) FABRICATION:60% OF THE QUOTED COMPOSITE RATE (B) ERECTION: 25% OF THE QUOTED COMPOSITE RATE (C) WELDING & ALIGNMENT: 15% OF THE QUOTED COMPOSITE RATE</p>	<p>Refer Section:12 of Technical bid –Part-I, CI No : 12.1.7.2 12.1.7.2 STRUCTURAL WORK</p> <p>100% OF ITEM RATE ON PRORATA BASIS AGAINST MONTHLY RA BILLS AS FOLLOWS.</p> <p>AS PER SCHEDULE OF RATE FOR ITEM NO. COMPOSITE RATE FOR ITEM NO., WHICH CAN BE FURTHER BREAK UP AS FOLLOWS:-</p> <p>A) Fabrication – This shall be paid as per quoted item rate of respective item B) Erection – (1) On completion of 80% of quoted rate (2) On completion of alignment & welding 20% of quoted rate.</p>

B) Clarifications on tender specification are as below :

1)Refer Item No.2307 & 2308

(a) Item No.2307 is for supplying erection and alignment of factory made 40mm thick electroforged grating with surface preparation with blast cleaning followed by two coats of Red-oxide Zinc chromate primer and two coats of approved enamel finish paint as per detail spec described in Item but without galvanization.

(b) Item No.2308 is for supplying and erection of factory made hot dipped galvanized 40mm thick MS Grating as per detail spec described in item.

2) Refer Tender specification, volume-I, Section-4, clause No.4.0(A) is corrected as follows for Scope of work.

"CIVIL, STRUCTURAL & ARCHITECTURAL WORK FOR MAIN POWER BLOCK ALONG WITH ITS AUXILIRIES AND BOP FOR 1x500 MW THERMAL POWER STATION, EXTENSION UNIT#6, GUJARAT STATE ELECTRICITY CORPORATION LIMITED AT UKAI, DISTT. TAPI (GUJARAT)"

Some other clarifications on bidders quarries are replied as below:

Sr. No.	Clause	Description	Queries	Our Reply
1	Volume III- BOQ Item no.211	M25 Grade precast Works	please clarify the item in regard of whether it will inclusion of reinforcement cost or not.	Reinforcement I.e. exclusive & shall be paid under item no. 402
2	Volume III- BOQ Item no.215	Chipping of Concrete -unit in CUDM	Please clarify the unit of measurement.	Unit is in cubic Decimeter (For Exa. 1 Decimeter =100mm)
3	Volume III- BOQ Item no.216	Extra over for cutting of reinforcement- unit Sq. Cm.	Please clarify the unit of measurement.	Unit is in Sq.cm.
4	Volume III- BOQ Item no.1509	Non metal opaque PVC sheet similar to ONDEX roofing or equivalent.	Please provide name & contact details of the party for the same.	This item Deleted as per Revised BOQ- Revision-01
5	Volume III- BOQ Item no.1604	Special purpose partition manufactured by Anutone Acoustic Ltd. Or equivalent.	Please provide name & contact details of the party for the same.	This item Deleted as per Revised BOQ- Revision-01
6	Soil Investigation Report	-	Please provide us Soil Investigation report for detail of soil strata and depth of water table.	Soil Investigation Repot Not Available at this stage/ However the Water Table can br presume as 1.50 M.
7	Detailed Drawing	-	Please provide us the Detailed drawings/ layout of structures etc. which will help us plan and organise the resources. Also please provide detailed dimation of TG deck foundation.	Not available at this stage.
8	Volume I- Special & General Condition of contract Section II Clause 2.41 & 2.15	Arbitration shall be conducted in accordance with Indian Arbitration Act 1940.	Dispute shall be resolved as per the provision of Indian Arbitration and concilliation Act 1996.	Agreed

09		Tender Drawings	Are considered essential for assessing the work involved in respect of lift for form work, concreting work, reinforcement steel work, masonry work, flooring plastering & painting work, erection & painting of structural steel work, roofing & cladding work, etc.	No drawing are Available at this stage. However the experienced Agencies must have an idea of such work who has worked in power plant Area.
10		Royalty on use of available excavated materials within the project premises.	Please confirm if the contractor has to pay 'Royalty' on use of available excavated materials within the project premises.	No Royalty for excavated earth inside the plant
11		Approved Vendor List	May please be provided.	BHEL does'nt have any approved list of vendor. It is on sample approved at site during execution.
12	ST NO. 1701	GI Pipe	please specify class/qty of the pipe.	ciass B medium quality
13	ST NO. 23071701	Electro-forged Gratings	Please furnish G. A. Drg of the grating.	No drawings required. Rate to be quoted in MT
14	ST NO. 2310	Dismantling of steel structure/ GI sheet in cladding	please furnish height of the structure from which dismantling is to be carried out	From 0.00m to 35m max. Height.
15	ST NO. 1809	Stoplog Gates	Please furnish G. A. Drg for the item.	No. Drg. Available.. Rate to be quated in MT.
16	ST. NO. 1810	Stationary Screens	Please furnish G. A. Drg for the item.	No. Drg. Av. Rate to be quated in MT.
17	ST. NO. 2315	PTFE type sliding bearing	Please furnish G. A. Drg With sizes for these items.	No. Drg. Av. Rate to be quated as per capacity.
18	ST. NO. 1812	Pressure Relief Valve.	Please furnish G. A. Drg for the item.	No. Drg. Available at this stage.
19	Section -4	Section -4 special condition of contract page14&15 under scope of work	CST & Pump house is appearing twice. Are there two separate areas. Kindly confirm.	No. It is a Typographical erron.

20	Please refer CL. NO.4.0(B)	Please refer CL. NO.4.0(B) on page 16of special conditions of contract. In clause(2) it is mentioned that "Drawings enclosed with these documents are only Indicative".	No DRGS are enclosed with the documents purchased. We request that plot plan and other indicative DRGS showing available facilities like roads.Drains and Areas marked for structural steel fabrication, stores etc to be allotted for this work should be made available for information of tenders.Similarly elevational and sectional DRGS showing the hights of various structures should also be made available. Kindly confirm.	I) No Drawings are attached with this tender II) It is presume that the Bidders who will paticipate for this tender will experience and fully acquainted with power plant works of high rating. It is not possible to provide any for the details in tendering stage. III) Item discription self - explanatory IV) As per the condition of contract Bidder has to visit site to make them fully acquainted with site condition facilities available including local laws and certificate is to be submitted by Bidder to that extend.
21	clause No. 4.0 (B) (7)	Please refer to clause No. 4.0 (B) (7) on page 16and clause 11.8 on page 59 of special conditions of contract.	It is requested that these clauses be modified to provide upward revision of rates @ 7% (Seven Percent) flat if the value of executed work is beyond (+)/(-) 30% (Thirty Percent) of Bid Price of the work. Also this revision shall be applicable to clause 11.7 if the extension granted is for reasons not Attributable to Contractor. Kindly do the needful in view of fluctuation in rates of construction materials particularly BOI. Kindly Confirm.	Infact BHEL should ask for volume discount in case the quantity exceed beyond 30% limit. Logically there is no question of any compansation for upward variation in quantity. However this will condition for extention of contract period.
22	4.0 (B) (9)	Please refer clause 4.0 (B) (9) & (10) of special condition of contract .	Kindly Clarify the priority of documents in case of discrepancy between various documents. It is requested that the item description of BOQ should be first priority with specification followed by drawings and other documents. Kindly Confirm.	It is partinent to bring in notice of BHEL if any such mismatch is observed between specification and BOQ at the time of gating the rates. However the decision of BHEL is final and binding on the contractor.

23	clause 4.02	Please refer clause 4.02 of special condition of contract .	It may please be mentioned that site clearance before start of work shall be paid under relevant BOQ Items, as no work can be done for free or taken care of in other rates unless at least the APPX. Quantum is known. Kindly Confirm.	No. Site clearance for establishing contractor site facilities is in the contractor scope. No separate payment shall be made on this account.
24	clause 4.07	Please refer clause 4.07 of special condition of contract on page 17.	It is requested that structural steel for fabrication of inserts, corner angles, Gates and screens and such major items may also be issued free of cost by BHEL. It will be difficult to procure steel for these items and also involve mixing of free issue and purchased steel. Kindly Confirm.	Item description are self explanatory and rates are to be quoted according . Revised BOQ may be refered carefully. It is further clarified that BHEL shall issue major steel section for main building structural works, bunkers.five/cable rates etc. and reinforcement steel for RCC work.
25	clause 4.1.1	Please refer clause 4.1.1 on page 17 of special condition of contract.	Distance of lead for disposal of surplus earth be mentioned from plant boundary. Kindly Confirm.	Lead for the disposal shall be measured from the work area and payment for carriage shall be paid as per relevant item of BOQ
26	clause 4.2.0	Please refer clause 4.2.0 of special condition of contract regarding issue of materials.	In view of these clauses, please confirm that linear measurement shall only be used for measurement of work done to maintain uniformity. This will ease reconciliation Please Confirm.	You are advised to read the clause 4.2.0 carefully wherein it is clearly mention that the payment shall be done on linear measurement basis and any major different whereour issue will be an weighment basis. Any measure difference in weight by above method shall immediately reported to BHEL for reconcellation purpose.
27	clause11.6.1	Please refer clause11.6.1 of special condition of contract.	It is requested that the component (K) for cement may please be changed to actual on the basis of difference in rate of cement on the date of tender submission and the date of purchase. In short the price variation for cement shall be allowed on star rate basis, as the market rate variation is very high and cannot be linked with indices for materials. Kindly Confirm.	Tender condition shall prewill and bidder to quate there rate accordingly.

28	clause 12.0.3	Please refer clause 12.0.3 of special condition of contract	It is requested that the payment of R.A. bills be allowed at 100% for better cash flow during execution. The performance bank guarantee of 5% of contract price valid till 18 months from date of completion should be allowed to be submitted at start of work. Kindly Confirm.	Tender condition shall prevail and contractor has to ensure proper cash flow with consistent progress of work.
29		LIST OF APPROVED VENDORS As per page no. 18, CL.NO.4.1.2 of section-4 (SSC), list of approved vendors is appended with these specification. Items involving supply are sr. no. 2307(I), 2309(II), 2315,2314& 2322.	Please provide list of approved sub-vendors along with address & contact nos. for supply of item like Electro forged gratings, mild steel bolts, PTFE type sliding bearing and stainless steel & GI hand railing pipes. Kindly Confirm.	BHEL does not have any approved list of vendor sample approval for the various item shall be given at site by BHEL/Customer during execution.
30		QUALITY OF STEEL : As per page no. 28, CL. NO.5.10.0 Of section-5 (SC), The contractor shall satisfy himself of the quality and quantity of The material at the time of taking delivery from BHEL stores/ storage yard.	As BHEL is procuring all materials, BHEL to ensure and confirm all steel will be as per IS-2062. Also steel with any defect like, lamination, etc. shall not be to contractor's scope.	BHEL shall be responsible for the materials issued by us.
31		WASTAGE OF STEEL : As per page no.29, CL.NO. 5.11.1 of section -5 (SC) -wastage of steel highlights as under: I) Actual consumption = issue-surplus (unused) II) surplus = un-tampered and unused qty. of steel returned by the contractor to BHEL store along with relevant documents. III) Wastage = Actual consumption theoretical consumption.	Please note that cut pieces /serviceable scrap as defined in bid document should be treated as good steel and not be considered as wastage.Hence, the above should be deducted from issued steel for computing actual consumption.	Permissible wastage of 5% each inclusive of serviceable scope as defined in the tender clause no.5.11.1 under heading "allowablewastage". Tender condition shall prevail in this regard.

32		STOPLOG GATES AND STATIONARY BAR SCREEN IN CW PUMP HOUSE: As per page no. 63, I. No. 12.1.7.2 of section-12 (SCC)		Required input shall be provided in approved civil Drawing at site. Bidder as to quote average rate for this item.
33		AS PER PAGE NO.37, CL.NO. 7.1.4 OF SECTION-7 (SCC): CRANES.	Crane provided by BHEL is free of cost or not.	In this regard please refer clause No. 7.1.4 of Tender specification volume (I) which is self explanator No deviation is acceptable to BHEL.
34		AS PER PAGE NO. 26, CL 5.8.5 OF SECTION-5 (SC) & PAGE NO. 27, CL 5.9.5 OF SECTION-5 (SC) : STAINLESS STEEL LINER	STAINLESS STEEL LINER SHALL BE PROVIDED BY BHEL OR NOT	STAINLESS STEEL LINER shall be PROVIDED BY BHEL.
35		AS PER PAGE NO.57, CL. NO.11.5 OF SECTION-11 (SC)		Penalty is always calculate on average contract value. No deviation is permissible