

Ref No. : PE/PG/YE1/E-5147/2015/CORRIGENDA/03

Date: 22.01.2016

CORRIGENDA / ADDENDUM-03

SUBJECT: 1 X 370 MW KPCL YELAHANKA CCPP
TENDER ENQUIRY FOR COOLING TOWER (IDCT)
OUR REF: TENDER ENQUIRY NO: PE/PG/YE1/E-5147/2015, DATED: 31.12.2015

1. The last date of submission of tender for Cooling Tower (IDCT) invited vide Enquiry No PE/PG/YE1/E-5147/2015, DTD-31.12.2015 is extended up to 09.02.2016, 02.00PM. All bidders are requested to visit the website www.bhel.com (Tender Notifications Section) OR www.bhelpem.com. All future corrigenda/ amendment and due date extension, if any, for this tender shall be hosted only on above websites.
2. Please find Annexure A to Corrigenda 03 for BHEL clarification on the queries raised by bidders in the pre-bid meeting held on 15.01.2016.
3. Please find Revised Financial PQR.

Thanking You,

With Regards,

For & on behalf of BHEL


Sumeet Sahay
Sr Engineer/PG-I-2

सुमीत साहय / SUMEET SAHAY
वरिष्ठ अभियंता (पी.जी.ए-2) / Sr. Engineer (PG-I-2)
भारत हेवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.
पावर सेक्टर-प्रियोजेक्ट्स एंजीनियरिंग प्रबंधन
Power Sector-Project Engineering Management
प्लॉट नं.-25, सेक्टर-16A, नोइडा-201 301
Plot No. 25, Sector-16A, Noida-201 301

Please reply to:

Sh Sumeet Sahay, Sr. Engineer
PG-I-2

Power Project Engineering Institute Building
HRD & ESI Complex Plot No. 25, Sector -16 A,
BHEL-PEM,Noida-201301 (U.P.)
Tel No.0120-4213532, 09999498202

Sl.No	SECTION	CLAUSE NO.	STATEMENT OF THE REFERRED CLAUSE	CLARIFICATION REQUIRED	BHEL REPLY
1	NIT	33	E&C Charge	We understand that by "total erection and commissioning charges" it is meant the total E&C charges as to be mentioned under Column No 10 or Row No 1.2 of Main Price Schedule (ANNEXURE I) i.e. this includes Civil Works and PG Testing charges also. Please confirm.	Please refer clause no-6 of Corrigenda 02 of subject NIT
2	GCC	Clause 9.3.3 & 9.4.3	Payment Terms for Turnkey Packages	Regarding last 10% payments against Supply and E&C please confirm that in case PG test is delayed beyond 60 days from mechanical completion & trial run of cooling tower, for reasons not attributable to Contractor, then this last 10% payment will be released against submission of Bank guarantee of an equivalent amount.	Please follow GCC Rev 06
3	GCC	Clause # 10	Recovery of outstanding amount	Stipulation regarding recovery of outstanding payment for one contract from payment due for another contract is not acceptable to us.	Please follow GCC Rev 06
4	GCC	Clause # 16.2.2	Purchaser reserves the right.....at the discretion of the Purchaser.	In case of any such happening, any decision taken by Purchaser should be based on mutual agreement between the Purchaser and the Contractor..	Please follow GCC Rev 06
5	GCC	Clause # 29.3	Force majeure	The term "force majeure" as defined in this clause is not acceptable to us. The term "force majeure" must be used in its widest sense and must embody all unforeseen circumstances which are beyond our reasonable control.	Please follow GCC Rev 06
6	GCC	Clause # 32.0	Arbitration	This should be by joint arbitration method only.	Please follow GCC Rev 06
7	GCC / Annexure IV	Contract Performance Bank Guarantee	Paragraph 3)	This needs modification to suit both Purchaser and Contractor. This may be mutually discussed and settled at an appropriate stage.	Please follow GCC Rev 06
8	Vol-IIB, Section - A	Clause no. 1.01.00	Cost of piling (if any) shall be included by bidder's in their quoted price.	As per geotechnical data furnished in Sub-Section - 3 / Section C of civil specification, open foundation is recommended. We understand piling will not be applicable. So please delete this line from Clause No 1.01.00 of Volume-IIB / Section A.	As per specification.
9	Vol-IIB, Section - B	Project Information		The following documents specified in the project information are not available with the tender documents i. AUTOCAD copy of Plot Plan ii. Topographical Drawing Please furnish the same.	Graded level will be provided to bidder .Hence topographical survey dwg. is not required. Regarding cooling tower location, please refer Annexure-1, data sheet-A, Section-C1, Vol-IIB (Book 1 of 2) of technical specification.
10				Kindly confirm the cooling tower site will be handed over to the contractor duly graded to Finished Grade Level.	Graded level will be provided to bidder .FGL considered in that area is RL 902.0m (i.e. EL +1.5M) ,which is 1.5m above the main power house .FFL EL (0.0M) , corresponds to RL 900.5m. Suitable amendment is issued regarding the same.

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1 X 370 MW YELAHANKA CCPP (KPCL)

COOLING TOWER (IDCT)

REPLIES OF PRE-BID CLARIFICATION

NIT REF NO-PE/PG/YE1/E-5147/2015, DTD-31.12.2015

Sl.No	SECTION	CLAUSE NO.	STATEMENT OF THE REFERRED CLAUSE	CLARIFICATION REQUIRED	BHEL REPLY
11	Vol-IB; Section - C1	Note to Datasheet-A	While guarantee conditions indicates design WBT of 23.5 DegC for CT design, however, CT (no. of cells and duty) shall also be designed in such a way so as to take care of the max. WBT condition of 26 DegC.	Our understanding is that performance guarantee will hold only for the design conditions and for off-design conditions performance will be as per the performance curves / CTI standard.	Noted
12			Approved Vendor list	Please furnish approved vendor list, if any.	Vendor to submit sub vendor list post award and BHEL to approve the same
13	Vol-IB; Section - C1	Clause 2.01.02	Scope (C&I)	As per the referred clause C&I scope will be as indicated in section C3. However, C&I scope for cooling tower is not available in this section C3. Please furnish Control & Instrumentation Scope, if any.	Already enclosed after electrical portion (refer page 38 of 181).
14	Vol-IB; Section - C1	Clause 11 of Datasheet-A	Mandatory Spares	We presume there is no electrical and C&I items to be considered as mandatory spares in addition to the mechanical items specified in this list.	Mandatory spares shall be as per technical specification
15	Vol-IB; Section C1	Datasheet-A; Clause 9.13	All testing instruments by supplier : Yes	Instruments required for performance testing of cooling tower will remain bidder's property. Same will be taken back after successful completion of performance test at site.	Noted
16	Vol-IB; Section - C2	Note 4 of Scope Matrix	Vendor shall indicate location of Electronic Earth pit in civil assignment drawing.	Since PLC & Control room are outside bidder's scope we presume electronic earth pit will be outside bidder's scope.	Noted
17	Vol-IB; Section - C3	Clause no. 2.16/ Page 8 of 55	General Guidelines for Provision of Instruments FIELD INSTRUMENTS SHALL BE SUPPLIED AS PER AGREED PID:	P&ID is not available with the specification. Please furnish relevant documents to enable us ascertain our C&I scope.	Field instruments (min) shall be as per technical specification. However any additional instrument (if req) shall be supplied by bidder.
18				Please confirm that our scope of instrument cables will terminate at a common field junction box located at the ground level at the base of the cooling tower and all cables beyond junction box to Purchaser's control system is outside our scope limit.	As per specification (Electrical scope matrix, Vol-IB-Section-C2).
19				Please clarify whether UPS supply is in our scope or not. In case it is in bidder's scope, detailed location of UPS along with UPS power distribution scheme to different areas, UPS DB & associated cabling scope has to be clarified.	Not in Bidder scope.
20	Vol-IB; Book 2 of 2; Section C/ Sub-section 3	Clause 3.01.01	BHEL/owner does not take any responsibility about the accuracy and applicability of the geo-technical data furnished herewith.	Geotechnical investigation report and foundation system has been furnished by BHEL for the cooling tower area along with the technical specification. We are sure that BHEL must have taken full care to get a reliable geo-technical investigation carried out. It is expected that BHEL will take full responsibility for the correctness of the geo-technical investigation report.	As per specification.
21	NIT, sl.no.22		Bidder to submit "No deviation certificate for commercial terms and conditions as per GCC (rev.06), SCC (rev.03) and NIT.	SCC rev.01 is only uploaded in website. Please furnish SCC rev.03 for our review.	Please read SCC Rev 01 instead of SCC Rev 03 21/12/15

1 X 370 MW YELAHANKA CCPP (KPCL)

COOLING TOWER (IDCT)

REPLIES OF PRE-BID CLARIFICATION

NIT REF NO-PE/PG/YE1/E-5147/2015, DTD-31.12.2015

Sl.No	SECTION	CLAUSE NO.	STATEMENT OF THE REFERRED CLAUSE	CLARIFICATION REQUIRED	BHEL REPLY
22	Corrigenda 02		Terms and conditions of Reverse Auction shall be as per attached annexure I.	Please furnish annexure I	Please read annexure A instead of annexure I for Terms of Reverse Auction
23	GCC rev.06, clause no.5.2, page 5 / 22		Statutory variation in excise duty, service tax and central sales tax / value added tax only on self-manufactured items / services rendered by vendor himself.....will be to the account of the purchaser.	Please note that items like valves, gearbox, motor, drive shaft etc is bought out item for most of the bidders and hence any statutory variation during contractual completion period should be borne by the purchaser. Moreover, in case of introduction of any new taxes, duties and levies (for example GST), the same has to be borne by the purchaser. Kindly confirm.	Will be as per GCC Rev 06
24	Revised price schedule rev.01		Excise duty	Kindly clarify if the excise duty for both self-manufactured items and bought-out have to be reflected in this column.	ED for self manufactured items only to be quoted not for BOI items
25	Revised price schedule rev.01		--	Please furnish the legible copy of the price schedule, preferably in excel format so that the prices can be filled in neatly.	Excel copy of Price Schedule uploaded
26	Technical PQR		Bidder experienced list of IDCT.....in enclosed format annexure - I.	Format annexure - I is not enclosed. Please furnish.	Uploaded
27	Section no: PE-TS-409-165-N001, vol II B, (1 of 2), page 4 / 181		Contents: Section C3 - Specific technical requirements (C & I)	Section C 3 is not enclosed. Please furnish the same.	Already enclosed after electrical portion (refer page 38 of 181).
28	Section no: PE-TS-409-165-N001, vol II B, (1 of 2), page 13 / 181		The bidder shall visit the site and apprise himself with site conditions....	Please provide us the contact details of the person at site to enable us to co-ordinate the site visit.	Mr Chelavaraju/AE-08144209614 Mr Ajmal Hussain/Dy Mgr-08951049492
29	Section no: PE-TS-409-165-N001, vol II B, (1 of 2), section C1, datasheet - A, page 23 / 181		Relative humidity - design	Please provide the relative humidity to be considered for design purpose.	Design humidity shall be based on WBT, DBT mentioned in the technical specification. However Suitable amendment is issued for design humidity.
30	Section no: PE-TS-409-165-N001, vol II B, (1 of 2), section C1, datasheet - A, sl.no.2.10, page 23 / 181		Pumping head: Not to exceed 9.5 mWC	Please clarify / confirm if the static head is to be considered at FGL or Minimum water level as we understand from the cold water basin details, the difference between FGL & Min. WL is 1.3 mtr. In case it is from min. WL, then this additional head is to be added, thereby meeting this requirement becomes stringent. Kindly re-check and revise the value accordingly.	static head is to be considered at FGL. Suitable amendment is issued regarding the same.
31	Section no: PE-TS-409-165-N001, vol II B, (1 of 2), section C1, datasheet - A, sl.no.6.5, page 24 / 181		Isolation BFV valves at each division of HW	There would not be any branch isolation valves as the cell arrangement is inline and only riser isolation valves would be applicable. Kindly confirm that branch isolation valves is not applicable.	Noted & suitable amendment is issued regarding the same.
32	Section no: PE-TS-409-165-N001, vol II B, (1 of 2), section C1, datasheet - A, sl.no.1.1, mandatory spares, page 26 / 181		Fan bearings : 2 sets	Our fan assembly does not have any bearings. Hence this spare requirement is not required. Kindly confirm.	Noted, however if the same is required/become applicable during detailed engg., bidder shall supply the same without any cost implication to BHEL.

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1 X 370 MW YELAHANKA CCPP (KPCL)

COOLING TOWER (IDCT)

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Sl.No	SECTION	CLAUSE NO.	STATEMENT OF THE REFERRED CLAUSE	CLARIFICATION REQUIRED	BHEL REPLY
33	Section no: PE-TS-409-165-N001, vol II B, (1 of 2), section C1, datasheet - A, sl.no.10, hot water supply header terminals, page 26 / 181		As per terminal point drawing enclosed (Refer Annexure 2)...	Annexure 2 is not enclosed. Kindly furnish the same.	Refer amendment issued regarding the same.
34	Section no: PE-TS-409-165-N001, vol II B, (2 of 2), section C2, sl.no.8.1 & 8.2, Construction power and construction water, page 27 / 500		Construction power and water shall be provided to bidder, free of cost.	Our understanding is that construction water and construction power shall be provided free of cost for construction & erection purpose and for labour colony also. Please confirm if our understanding is correct.	Construction water and construction power shall be provided free of cost for construction & erection purpose. For labour colony, vendor has to make his own arrangements.
35	Section no: PE-TS-409-165-N001, vol II B, (2 of 2), section C2, sl.no.9.1, Storage area, page 28 / 500		Storage area for storing construction material	Our understanding is that free storage area shall be provided to the contractor, free of cost for storage of Electro-mechanical items also. Kindly confirm if our understanding is correct.	Storage Area, will be provided to the agency, at free of cost. Please note that the total storage area for this project is very less and we will be able to allocate minimal area only. Vendor will have to sequence his supplies to match the allocated space and his erection schedule. You may please inform us how much space is required.
36	Section no: PE-TS-409-165-N001, vol II B, (2 of 2), section C2, sl.no.11.2, Staff welfare facility, page 28 / 500		Sufficient area outside the plant area to locate his staff and labour colony shall be provided.	Our understanding is that the area for labour colony & staff colony would be provided, free of cost to contractor.	Vendor has to make his own arrangements for labour colony and staff colony.
37	Vol II B (1 of 2), section B, Grade level		Grade level : FGL	Please indicate at what level BHEL has handover the site to contractor. Please also confirm that levelling and grading, if required, would be undertaken by BHEL / Purchaser.	Graded level will be provided to bidder .FGL considered in that area is RL 902.0m (i.e. EL +1.5M) ,which is 1.5 m above the main power house ,FLEL (0.0M) , corresponds to RL 900.5m.
38	NIT: Scope		Reinforcement steel and structural steel are in BHEL scope.	Please confirm that the free issue items of reinforcement steel and structural steel would be handed over to contractor at IDCT location. If material would have to be taken from BHEL stores, please inform the tentative distance from the CT location.	Free issue materials will have to be taken by the contractor from BHEL Stores, which will be located within the Plant premises. Distance from stores to IDCT location will be less than 2 km.
39	General		Bid submission date: 23.01.16	As the bid submission time is very short for preparation of the proposal, we request you to extend the bid submission date to 26.02.16.	Extended till 09.02.2016, 02.00PM

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[Signature]
SUMEET SAHAY
 Sr. Engineer (PG-I-2)
 Power Sector - Project Engineering Management
 Plot No. 25, Sector - 16A, Noida - 201 301