

Ref No. : PE/PG/YE1/E-5255/2016/CORRIGENDA/01

Date: 15.06.2016

CORRIGENDA / ADDENDUM-01

SUBJECT: 1 X 370 MW KPCL YELAHANKA CCPP
TENDER ENQUIRY FOR COOLING TOWER (IDCT)
OUR REF: TENDER ENQUIRY NO: PE/PG/YE1/E-5255/2016, DATED- 06.06.2016

1. Scope mentioned at page-1of7 of NIT shall be read as:-

BHEL INVITES OFFERS FROM REPUTED VENDORS (REFER PREQUALIFICATION REQUIREMENT AND OTHER REQUIREMENTS GIVEN IN TENDER ENQUIRY LETTER UPLOADED ON OUR WEBSITES) FOR DESIGN, MANUFACTURE, SUPPLIES OF MECHNAICAL/ELECTRICAL/C&I ITEMS INCLUDING THEIR INSPECTION/TESTING AT MANUFACTURERS/ HIS SUB-CONTRACTOR'S WORKS PROPERLY PACKED FOR TRANSPORTATION, DELIVERY AT PROJECT SITE, RECEIPT AT SITE, HANDLING, STORAGE & ERECTION OF MECHANICAL/ELECTRICAL/C&I ITEMS AT SITE, AND TESTING, COMMISSIONING, TRIAL RUN, PG TEST, HANDING OVER ETC. SUPERVISION OF SITE CIVIL WORKS OF 1 NO. MECHANICAL INDUCED DRAFT TYPE COOLING TOWER COMPLETE WITH COMMISSIONING SPARES/ SPECIAL TOOLS AND TACKLES/ INCLUDING ALL MANDATORY SPARES, ACCESSORIES & EQUIPMENT AS SPECIFIED AND AS NECESSARY FOR COMPLETION FOR ONE (1) NUMBER COOLING TOWER 1X370MW YELAHANKA CCPP (KPCL) PROJECT AS PER TECHNICAL SPECIFICATION NO-PE-TS-409-165-N001

2. Price Schedule has been revised as per enclosed sheet.
3. Technical PRQ has been revised as per enclosed sheet.
4. Bidders to submit duly signed & stamped copy of "UNDERTAKING FOR SUBMISSION OF TENDER DOCUMENTS" enclosed.

All future amendment and due date extension, if any, for this tender shall be hosted only on above website.

Thanking You,

With Regards,

For & on behalf of BHEL


Sumeet Sahay
Sr Engineer/PG-I-2

सुमीत सहाय/SUMEET SAHAY
वरिष्ठ अभियन्ता (पी.जी.-I-2)/Sr. Engineer (PG-I-2)
भारत हेवी इलेक्ट्रिकल्स लिमिटेड/Bharat Heavy Electricals Ltd.
पावर सेक्टर-परियोजना इंजीनियरिंग प्रबंधन
Power Sector-Project Engineering Management
प्लॉट नं.-25, सेक्टर-16ए, नोएडा-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

UNDERTAKING FOR SUBMISSION OF TENDER DOCUMENTS

Enquiry No.: _____ Name of Package: _____ Project: _____

S.No	LIST OF DOCUMENTS	(PLEASE TICK ✓ MARK)
1.	Tender Forwarding Letter	
2.	Integrity Pact Agreement as per GCC Rev-06	
3.	Confirm Validity of Offer is up to 6 (Six months) from the due date of submission (last date in case of revised date) of the tender	
4.	Documents required as per Technical PQR (Complete in all respects)	
5.	Documents required as per Financial PQR (Complete in all respects)	
6.	Credentials of company as per NIT	
6.	Acceptance of SCC Rev-01 of the Project	
7.	Un-Priced price schedule (format) duly filled in 'Quoted' or 'Q' in each column/row along with rate of applicable taxes & duties along with techno-commercial bid	
8.	Technical and Commercial deviations (if any) mentioned as per Annexure-II of GCC Rev. 06 along with applicable cost of withdrawal. Any deviation without cost of withdrawal shall be considered as NIL	
9.	Nil Deviation certificate to be submitted in case of 'No Deviation'	
10.	A copy of NIT duly signed & stamped on each page as token of acceptance of all terms & instructions conveyed	
11.	Page numbering	Total No. of pages
12.	Authorization letter	
13.	Price Bid (Part-II) duly filled in sealed envelop	

UNDERTAKING BY THE TENDERER(S)

I/We have downloaded the tender form from the internet site BHEL/BHEL-PEM/PPP portal website. I/We confirm that above mentioned documents has been submitted along with offer. In absence of any documents or incomplete documents mentioned above I/we understand that my / our tender is liable for rejection.

SIGNED FOR AND ON BEHALF OF

(Name of Tenderer)

Seal & Signature of Tenderer

(Company Authorized signatory)

Date: _____

Place: _____



PRE - QUALIFYING REQUIREMENTS
(TECHNICAL)

DOCUMENT NO: PE-TS-XXX-YYY-ZZZZ
REVISION NO: 01 DATE: 14.06.2016
SHEET 1 OF 2

ENQUIRY NO:

PROJECT: 1X370 MW YELAHANKA CCPP

PACKAGE: INDUCED DRAFT COOLING TOWER (IDCT)

1. The bidder should have designed, supplied, erection & commissioned including civil works of the Induced draft cooling towers (IDCT) with cross/counter flow with splash/film type fill in RCC construction with minimum flow of 13000 Cum/hr, which have been successfully in use for at least 1 year in two different thermal power plant or similar industry/ application of two different customers and bidder is in business of IDCT on continuous basis.

OR

The bidder should have designed, supplied, erection & commissioned excluding civil works of the Induced draft cooling towers (IDCT) with cross/counter flow with splash/film type fill in RCC construction with minimum flow of 13000 Cum/hr, which have been successfully in use for at least 1 year in two different thermal power plant or similar industry/ application of two different customers and bidder is in business of IDCT on continuous basis.

Bidder to comply to general points of PQR available at <http://bhhelpem.com/vensection/PMD/PMD.aspx>. In case bidder is not OEM, the offer shall be evaluated as per point no 1 of general points of PQR

2. The Bidders shall furnish following support documents for assessment of Bidder w.r.t. PQR as indicated at Sl. No. 1 above.

- A. Bidder's Experience list of IDCT for last 10 years for assessment of bidder for supplying the IDCT on regular basis in enclosed format- Annexure-1.

Bidder shall furnish the PO copy/approved documents/ Dispatch details/commissioning protocol of minimum two executed Contracts along with the experience list.

- B. Bidder shall furnish any one from below in support of successful performance of IDCT for one year:

- i. Satisfactory Performance feedback certificates from End Customer (Owner) (in English) for at least Two (from different End customers (Owner)) successfully executed contracts which have been in use for atleast one year indicating salient features like year of commissioning of IDCT, rating of project, flow of IDCT, project name etc., date of issue of certificate and name/ designation of the certificate issuer for power plant/similar application industry.

OR

- ii. The bidder has been awarded two repeat contracts for IDCT from two different End Customer (Owner) / Purchaser (in English) for power plant/similar application industry. Repeat contract shall be considered when the second contract is given by the same purchaser/ owner after lapse of minimum 1 year from execution of first contract.

Supporting documents for execution of the Contract like, commissioning protocol/PG test report, etc. along with the PO Copy to be furnished, if bidder intends to submit the documents for Repeat Contracts

OR



PRE - QUALIFYING REQUIREMENTS
(TECHNICAL)

DOCUMENT NO: PE-TS-XXX-YYY-ZZZZ

REVISION NO: 01 DATE: 14.06.2016

SHEET 2 OF 2

- iii. Satisfactory Performance feedback certificates from End Customer (Owner)(in English) for one successfully executed contracts which have been successfully in use for atleast one year indicating salient features like year of commissioning of IDCT, rating of project, flow of IDCT, project name etc., date of issue of certificate and name/ designation of the certificate issuer for power plant/similar application industry.

AND

The bidder has been awarded repeat contracts for IDCT from minimum one End customer (owner)/Purchaser (other than the one for which the bidder has furnished the performance feedback above) for power plant/similar application industry. Repeat contract shall be considered when the second contract is given by the same purchaser/ owner after lapse of minimum 1 year from execution of first contract (commissioning of IDCT).

Supporting documents for execution of the Contract like, commissioning protocol/PG test report, etc. along with the PO Copy to be furnished, if bidder intends to submit the documents for Repeat Contracts.

OR

- iv. In case, bidder has executed contract(s) for BHEL-PEM, internal assessment by BHEL-PEM shall be followed for evaluation for satisfactory performance. For this, bidder to submit the request along-with relevant documents.

Note:- Purchase order copy, approved drgs/technical data sheets etc. are to be submitted along with the bid for which the bidder intends to furnish the performance feedbacks / repeat contracts for reference purpose only.

ANNEXURE-1

[illegible]



PRICE SCHEDULE FOR COOLING TOWER (IDCT)

INDIAN BIDDER

SUPPLY

E&C

GRAND TOTAL

SL NO	ITEM DESCRIPTION	UOM	TOTAL QTY	UNIT EX-WORKS PRICE (DULY PACKED) (INR)	TOTAL EX-WORKS PRICE (DULY PACKED) (INR)	ED (INCLUDING CESS) @ % (INR)	CST/VAT @ % Against Form 'C' /E/II (INR)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (INR)	TOTAL F.O.R SITE PRICE (INR)	SUPERVISION OF CIVIL WORKS/E & C & PG TESTING CHARGES (including Trial run, etc.) (INR)	SERVICE TAX @ % (INR)	SUPERVISION OF CIVIL WORKS/E & C & PG TESTING CHARGES (including Trial run, etc.) INCLUDING SERVICE TAX (INR)	TOTAL LUMP SUM PRICE FOR SUPPLY AND E&C WITH SERVICE TAX. (INR)
1.0	Prices for One (1) no. Induced Draft Cooling Tower to be covered under the following Three heads only)	NO	1.00										
1.1	Total Price for Design, Manufacture, Inspection/ Testing, Supplies, Packing for transportation & delivery , complete with commissioning spares/ special tools and tackles/ including all mandatory spares, accessories & equipments as specified and as necessary for completion for One (1) number Cooling Tower. (SUPPLY)												
1.2	Total price for receipt at site, handling, storage & erection of supply items, and testing, Commissioning, trial run, PG test, handing over etc. complete with all accessories for Complete Cooling Tower as per the specification for one no (01) of Cooling Tower (E&C)												
1.3	Total price for supervision of site civil works (Concrete & Reinforcement Steel in BHEL scope) (4 Nos. site visits of One week each)												
2.0	BREAK UP OF PRICES												
2.1	Break up of Sr.No. 1.1												
a)	Design and engineering												
b)	Manufacture and supply of following :												
b1)	Complete mechanical equipments												
b2)	Complete electrical and C&I equipments												
b3)	Mandatory Spares												
2.2	Break up of Sr.No. 1.2												
c)	Erection & Commissioning of following :												
c1)	Complete mechanical equipments												
c2)	Complete electrical and C&I equipments												
d)	Performance Guarantee testing												
2.3	Break up of Sr.No. 1.3												
e)	Price for supervision of site civil works												
e1)	Charges Per visit	NO	4										
e1)	Charges Per manday	NO	28										
	Total Sl. No.2 = (a+b+c+d+e)												
3.0	Concrete & reinforcement Steel is in BHEL scope. Bidder to indicate Total BOQ for one (01) no. CT as follows for determining the total cost of CT.												
	Description	UOM	QTY										

9/11/16

SL NO	ITEM DESCRIPTION	UOM	TOTAL QTY	UNIT EX-WORKS PRICE (DULY PACKED) (INR)	TOTAL EX-WORKS PRICE (DULY PACKED) (INR)	ED (INCLUDING CESS) @ % (INR)	CST/VAT @ % Against Form 'C' /E/II (INR)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (INR)	TOTAL F.O.R SITE PRICE (INR)	SUPERVISION OF CIVIL WORKS/E & C & PG TESTING CHARGES (including Trial run, etc.) (INR)	SERVICE TAX @ % (INR)	SUPERVISION OF CIVIL WORKS/E & C & PG TESTING CHARGES (including Trial run, etc.) INCLUDING SERVICE TAX (INR)	TOTAL LUMP SUM PRICE FOR SUPPLY AND E&C WITH SERVICE TAX. (INR)
3.1	All RCC works for IDCT Foundation, cold water basin, columns, beams, wall, inlet channel, paving, drain slab, fan deck, fan stack, precast components, fill supporting structures, hot water channel, fins etc. of Grade M30.	CuM											
3.2	Steel Reinforcement of grade Fe-500 HYSD confirming to IS: 1786 in all RCC works. Tonnage of reinforcement shall be calculated as per drawing (Steel used in laps, chairs, anchorage etc. shall not be considered for calculation of tonnage).	MT											
4.0	Price for site visit (per manday basis) (Optional and additional , apart from that included in 1.0 above))												
i) Bidders Total price shall be determined after adding cost of Concrete & reinforcement Steel at following rates (as per Terms & conditions), in his total quoted prices at S. No. 1 above.													
• All RCC works for IDCT Foundation, cold water basin, columns, beams, wall, inlet channel, paving, drain slab, fan deck, fan stack, precast components, fill supporting structures, hot water channel, fins etc. of Grade M30.													
• Steel Reinforcement of grade Fe-500 HYSD confirming to IS: 1786 in all RCC works. Tonnage of reinforcement shall be calculated as per drawing (Steel used in laps, chairs, anchorage etc. shall not be considered for calculation of tonnage)													
NOTES	ii) Prices of commissioning & erection spares shall be included in the price of cooling tower.												
	iii) Bidder to note that any tax/duties etc of any nature not listed above and asked after Part-1 opening shall not be considered.												
	iv) Bidder to specify the rates & nature of other taxes & duties.												



सुनील सहारा / SUMEET SAHARA
 सहायक अभियन्ता (सी.ई.टी.)/Sr. Engineer (P.E.T.)
 भारत की परमाणु शक्ति/Barat Heavy Electricals Ltd.
 राज्य संचयन-परियोजना प्रोपियरशिप कंत्राट
 Power Sector-Project Engineering Management
 प्लॉट नं.-25, सेक्टर-18B, गीर-20.1.193
 Plot No. 25, Sector-18A, Noida-201 301



1 X 370 MW YELAHANKA CCPP (KPCL)

PRICE SCHEDULE FOR COOLING TOWER (IDCT) - SUPPLY, E&C AND MANDATORY SPARES

FOREIGN BIDDER				IMPORTED ITEMS (Supply not from Indian Territory)										INDIGENEOUS ITEMS (Supply from Indian Territory)								E&C		GRAND TOTAL
Sl. NO	ITEM DESCRIPTION	UOM	TOTAL QTY	UNIT F.O.B. PRICE (INCLUDING SEAWORTHY PACKING, HANDLING AND TRANSPORTATION TO VENDOR'S OWN PORT.) (CURRENCY)	TOTAL F.O.B. PRICE (INCLUDING SEAWORTHY PACKING, HANDLING AND TRANSPORTATION TO VENDOR'S OWN PORT.) (CURRENCY)	OCEAN FREIGHT (CURRENCY)	OCEAN / MARINE INSURANCE	CUSTOM DUTY AFTER AVAILING CENVAT BENEFIT IF APPLICABLE (INR)	INLAND FREIGHT CHARGES (INCLUDING SERVICE TAX) (INR)	F.O.R. SITE IMPORTED ITEMS SUPPLY PRICE (CURRENCY + INR)	UNIT EX-WORKS PRICE (DUTY PACKED) (INR)	TOTAL EX-WORKS PRICE (DUTY PACKED) (INR)	ED (INCLUDING CESS) @ % (INR)	CST/VAT @ % Against Form 'C' /E/EI (INR)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (INR)	TOTAL F.O.R SITE PRICE (INR)	SUPERVISION OF CIVIL WORKS/ E&C & PG TESTING CHARGES (INCLUDING TRAIL RUN, ETC.) (INR)	SERVICE TAX @ % (INR)	SUPERVISION OF CIVIL WORKS/ E&C & PG TESTING CHARGES INCLUDING SERVICE TAX (INR)	TOTAL LUMP SUM PRICE FOR SUPPLY AND E&C WITH SERVICE TAX. (INR)				
				1	2	3	4	5	6	7=2+3+5+6	8	9	10	11	12	13=9+10+11+12		14	15	16=14+15	17=7+13+16			
1.0	Prices for One (1) no. Induced Draft Cooling Tower to be covered under the following Three heads only	NO	1.00				BHEL SCOPE																	
1.1	Total Price for Design, Manufacture, Inspection/ Testing, Supplies, Packing for transportation & delivery , complete with commissioning spares/ special tools and tackles/ including all mandatory spares, accessories & equipments as specified and as necessary for completion for One (1) number Cooling Tower. (SUPPLY)						BHEL SCOPE																	
1.2	Total price for receipt at site, handling, storage & erection of supply items, and testing, Commissioning, trial run, PG test, handling over etc. complete with all accessories for Complete Cooling Tower as per the specification for one no (01) of Cooling Tower (E&C)																							
1.3	Total price for supervision of site civil works (Concrete & Reinforcement Steel in BHEL scope) (4 Nos. site visits of One week each)																							
2.0	BREAK UP OF PRICES																							
2.1	Break up of Sr.No. 1.1																							
a)	Design and engineering																							
b)	Manufacture and supply of following :																							
b1)	Complete mechanical equipments						BHEL SCOPE																	
b2)	Complete electrical and C&I equipments																							
b3)	Mandatory Spares																							
2.2	Break up of Sr.No. 1.2																							
c)	Erection & Commissioning of following :																							
c1)	Complete mechanical equipments						BHEL SCOPE																	
c2)	Complete electrical and C&I equipments																							
d)	Performance Guarantee testing																							
2.3	Break up of Sr.No. 1.3																							
e)	Price for supervision of site civil works																							
e1)	Charges Per visit	NO	4																					
e1)	Charges Per manday	NO	28				BHEL SCOPE																	
	Total Sl. No.2 = (a+b+c+d+e)																							
3.0	Concrete & reinforcement Steel is in BHEL scope. Bidder to indicate Total BOQ for one (01) no. CT as follows for determining the total cost of CT.																							
	Description	UOM	QTY																					
3.1	All RCC works for IDCT Foundation, cold water basin, columns, beams, wall, inlet channel, paving, drain slab, fan deck, fan stack, precast components, fill supporting structures, hot water channel, fins etc. of Grade M30.	Cum					BHEL SCOPE																	
3.2	Steel Reinforcement of grade Fe-500 HYSD conforming to IS: 1786 in all RCC works. Tonnage of reinforcement shall be calculated as per drawing (Steel used in laps, chairs, anchorage etc. shall not be considered for calculation of tonnage).	MT																						
4.0	Price for site visit (per manday basis) (Optional and additional, apart from that included in 1.0 above)																							
NOTES																								
i) Bidders Total price shall be determined after adding cost of Concrete & reinforcement Steel at following rates (as per Terms & conditions) in this total quoted prices at S. No.1 above.																								
- All RCC works for IDCT Foundation, cold water basin, columns, beams, wall, inlet channel, paving, drain slab, fan deck, fan stack, precast components, fill supporting structures, hot water channel, fins etc. of Grade M30.																								
- Steel Reinforcement of grade Fe-500 HYSD conforming to IS: 1786 in all RCC works. Tonnage of reinforcement shall be calculated as per drawing (Steel used in laps, chairs, anchorage etc. shall not be considered for calculation of tonnage)																								
ii) Prices of commissioning & erection spares shall be included in the price of cooling tower																								
iii) Bidder to note that any tax/duties etc. of any nature not listed above and asked after Part-1 opening shall not be considered.																								
iv) Bidder to specify the rates & nature of other taxes & duties.																								

1) Bidders Total price shall be determined after adding cost of Concrete & reinforcement Steel at following rates (as per Terms & conditions) in this total quoted prices at S. No. 1 above.

- All RCC works for IDCT Foundation, cold water basin, columns, beams, wall, inlet channel, paving, drain slab, fan deck, fan stack, precast components, fill supporting structures, hot water channel, fins etc. of Grade M30.

- Steel Reinforcement of grade Fe-500 HYSD conforming to IS: 1786 in all RCC works. Tonnage of reinforcement shall be calculated as per drawing (Steel used in laps, chairs, anchorage etc. shall not be considered for calculation of tonnage).

NOTES
i) Prices of commissioning & erection spares shall be included in the price of cooling tower.
ii) Bidder to note that any tax/duties etc. of any nature not listed above and asked after Part-1 opening shall not be considered.
iii) Bidder to specify the rates & nature of other taxes & duties.

Signature

सुमीत साहाय / SUMEET SAHAY
वरिष्ठ अभियन्ता (सी.सी.-1-2)/Sr. Engineer (PG-1-2)
भारत हेवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.
पावर सेक्टर-परियोजना इंजीनियरिंग प्रबंधन
Power Sector-Project Engineering Management
प्लॉट नं.-25, सेक्टर-16B, नॉएडा-201 301
Plot No.-25, Sector-16B, Noida-201 301



REV 01

ANNEXURE - II TO NIT REF NO - PE/PGME/IE-5255/2016, DTD-06.06.2016

1 X 370 MW YELAHANKA CCPP (KPCL)

PRICE SCHEDULE FOR COOLING TOWER (IDCT) - MANDATORY SPARES

FOREIGN BIDDER				IMPORTED ITEMS (Supply not from Indian Territory)										INDIGENEOUS ITEMS (Supply from Indian Territory)						GRAND TOTAL
S. No	Spares	Quantity	Remark	UNIT F.O.B. PRICE (INCLUDING SEAWORTHY PACKING; HANDLING AND TRANSPORTATION TO VENDOR'S OWN PORT.) (CURRENCY)	TOTAL F.O.B. PRICE (INCLUDING SEAWORTHY PACKING; HANDLING AND TRANSPORTATION TO VENDOR'S OWN PORT.) (CURRENCY)	OCEAN FREIGHT (CURRENCY)	OCEAN / MARINE INSURANCE	CUSTOM DUTY AFTER AVAILING CENVAT BENEFIT IF APPLICABLE (INR)	INLAND FREIGHT CHARGES (INCLUDING SERVICE TAX) (INR)	F.O.R. SITE IMPORTED ITEMS SUPPLY PRICE (CURRENCY) + (INR)	UNIT EX- WORKS PRICE (DULY PACKED) (INR)	TOTAL EX- WORKS PRICE (DULY PACKED) (INR)	ED (INCLUDING CESS) @ % (INR)	CST/VAT @ % Against Form 'C' /IE/II (INR)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (INR)	TOTAL F.O.R SITE PRICE (INR)	TOTAL LUMP SUM PRICE FOR SUPPLY OF MANDATORY SPARES, (INR)			
				1	2	3	4	5	6	7=2+3+5+6	8	9	10	11	12	13=9+10+11+12	14 = 7+13			
1.0	INDUCED DRAFT COOLING TOWER - MANDATORY SPARES																			
1.1	Fan bearings	Set	Two (2)																	
1.2	Fan blade assembly	Set	One (1)																	
1.3	Motor bearings	Set	One (1)																	
1.4	Gear box assembly	Set	One (1)																	
1.5	Fan drive shaft	Set	One (1)				BHEL SCOPE													
1.6	Oil seals / O-rings		50% of total requirement																	
1.7	Spray nozzles		10% of total requirement																	
TOTAL																				

[Handwritten Signature]

सुनील सहाय / SUMEET SAHAY
वरिष्ठ अभियंता (पी.जी.-1-2)/श्री. Engineer (PG-I-2)
भारत भारती इंजीनियरिंग लिमिटेड / Bharati Heavy Electricals Ltd.
भारत भारती इंजीनियरिंग लिमिटेड
प्लॉट नं.-25, सेक्टर-16ए, नोडा-201 301
Power Sector-Project Engineering Management
Plot No. 25, Sector-16A, Noida-201 301