

THE WEST BENGAL POWER DEVELOPMENT CORPORATION LIMITED
(A Govt. of West Bengal Enterprise)
Bakreswar Thermal Power Project
P.O.Bk.T.P.P , Dist -Birbhum,Pin -731104

NIT No.: WBPDCCL/Tend-Adv/CC/14-15/190/BkTPP Date: 28.01.2015
JOB-I

SUB : TENDER DOCUMENT FOR PROCUREMENT of 14 Ton capacity Diesel Hydraulic Mobile Crane for Heavy Equipments Department at BkTPP

P.R. No. BKSr: PUR-III/14-15/13135

Date :05/04/14

Sealed tenders in two parts, Part A (for techno- commercial specification bid) and Part B (for price bid) in duplicate are invited by the General Manager, BkTPP from manufacturer or Supplier to the original manufacturer of 14 Ton capacity Diesel Hydraulic Mobile Crane for Heavy Equipments Department at BkTPP. Technical specifications for the supply of following equipment at BkTPP is as under:

<u>Sl.No.</u>	<u>Material Code</u>	<u>Description of Material</u>	<u>Quantity</u>
1.	a) 15 Z010882	Diesel Hydraulic Mobile crane with three part slotted boom, Model : 14 T PNC: Make: Escorts	01 No

2. Technical features required:

- a) 16 Ton Category mobile crane as per ARAI certificate.
- b) 6 falls winch Hydraulic.
- c) Automatic rope compensation system.
- d) 4 parts slotted and synchronized boom height > 15.0 metre
- e) 4 parts hydraulically operated.
- f) Fly jib can be fitted to achieve more height.

4. Warranty Period: Warranty should be provided for at least 01 (One) year from the date of commissioning.

5. Earnest Money: Bank Guarantee/ Demand Draft : Rs. 30,000/-
6. Cost of Tender Paper : Rs. 500/-
7. Sale of Tender Paper : 27.01.2015 to 13.02.2015
8. Pre-Bid Discussion : 20.02.15
8. Last Date of submission of Sealed Tender Paper : 12.03.2015 at 03:00 PM
9. Opening date of Tender
 - i) Part - A (for technical bid) : 12.03.2015 at 03:00 PM
 - ii) Part - B (for price bid) : Opening date will be intimated to the Successful i.e technically accepted Bidders later on.

8. Delivery Period : Within 03 months (90 days) from the date of FIRM ORDER placed.

9. Qualifying Requirement :

a) Engine Specifications:

CAPACITY	RPM @ 2200
CYCLE	4 STROKE
ROTATION	CLOCKWISE(FROM FRONT)
ASPIRATION	NATURAL
COMBUSTION	DIRECT INJECTION
FUEL PUMP	MICO-INLINE
GOVERNING	MECHANICAL
ENGINE STARTING SYSTEM	ELECTRICAL
COOLING SYSTEM	WATER
ELECTRICAL SYSTEM	12 volts (ALTERNATOR)

b) Transmission : As applicable.

c) Hydraulic Pumps/valves: Veljan/Denison/Reputed make

d) Hoisting Winch: Sai(I) Ltd, Bangalore/Dynamic/Reputed make

e) Hoisting Cylinder: Dantal/Oscar/Reputed Make

f) Tyres: Reputed Make

g) Wire Rope: Usha Martin/ Reputed Make

h) Battery: Exide/Reputed Make

i) Hydraulic System: Pump- Vane type Hydraulic Pump Control Valve- 4 spool control valve with built in pressure relief valve and precision control.

j) Hydraulic Filter: Suction line should have in-line strainer(minimum 100 mesh) with return line of 25 micron full flow filter.

k) Transmission: Type- Sliding Mesh, Spur Teeth Gear Box, Six Forward and Two Reverse Speeds with High and Low Selector lever.

l) Clutch- Single Plate, Heavy Duty dry friction type clutch plate.

m) Steering: Articulated Power Steering, Hydraulically controlled.

n) Boom: Telescoping- Box Type hydraulically operated, synchronized slotted boom with Rope compensated mechanism.

o) Derricking: Through double acting jacks.

10) The agencies should include the following documents in their quotation while submitting the offer:

- a) Valid I.T. & S.T., Service Tax Registration, Professional Tax Clearance Certificates, Provident Fund A/C No, etc.
- b) Credential of "similar item(s)" supplied directly under a Government/Quasi Government Organization/Private Company during period of any three year within last seven years reckoning from 31.12.2014

c) **“Similar item(s)” means ‘Supply of 14 Ton capacity Diesel Hydraulic Mobile Crane’ with specifications detailed elsewhere in the Tender Document**

xvii) The value of Order executed for similar type of items as mentioned above, completed by agency should be as follows:

a) In a single order of value not less than Rs 10.4 lakhs.

OR

b) In two orders each of value not less than Rs 6.5 lakhs

OR

c) In three orders each of value not less than Rs 5.2 lakhs

xviii) Average Annual Financial Turnover in last 3 financial years, (viz. 2012-13, 2013-14 & 2014-15) should be at least Rs. 3.9 lakhs.

xix) Average net worth in last three financial years should be positive. Audited balance sheet should be provided for last three financial years.

xxiv) The bidder shall have to be acquainted with all possible hazards associated with the supply of items and shall equip themselves accordingly beforehand.

xxv) All tenderers are hereby cautioned that conditional offers or deviation from the conditions of contract or other requirements stipulated in these tender documents shall be rejected as non-responsive and shall not be considered further in tender evaluation

xxvi) The entire offer to be submitted by the tenderer should be unconditional. Any information, assumption, statement having a direct or indirect relation/ correspondence with the quoted rates shall be treated as a condition and as such a deviation from the tender norms stipulated in the tender documents.

xxvii) Bidders are therefore requested to thoroughly scrutinize the entire tender document and seek clarifications if required before submission of tender. The Quoted rate, after award of contract, shall remain firm.

Detailed terms & conditions are set forth in the Tender Paper (Non - Transferable) which can be obtained from the Sr. Manager(S&P), BkTPP on application and on production of Sales Tax / VAT Registration Number, PT Registration Certificates and Credential of successful completion of similar nature of supply along with the cost of Tender Paper to be deposited in the Account Section, BkTPP from 10.30 AM to 01.30 PM (except Saturday, Sunday and Holiday). Tender Paper will not be issued against DD / MO / Cheque and by post. If any change or extension of due date or any corrigendum, may please visit website. The WBPDCI reserves the right to accept or to reject any or all tender either in full or in part or to split up, if necessary without assigning any reasons whatsoever. The WBPDCI does not bind itself to accept the lowest tender and qualification of tenderer will be adjudged as per sole discretion of WBPDCI authority. The validity of tender will remain effective for 6 (six) months from the date of opening of Price Bid of tender. All other details are available in the **tender document**. For qualifying requirements and other details visit website www.wbpdcl.co.in

(Kuntal Sarkar)
Sr.Manager(S&P)
BkTPP, WBPDCI

THE WEST BENGAL POWER DEVELOPMENT CORPORATION LIMITED
(A Govt. of West Bengal Enterprise)
Bakreswar Thermal Power Project
P.O.Bk.T.P.P , Dist -Birbhum,Pin -731104

NIT No.: WBPDC/Tend-Adv/CC/14-15/190/BkTPP

Date: 28.01.2015

JOB-II

SUB: Tender document for Procurement of 12 nos. 0.2 Accuracy Class Capacitive Voltage Transformers for 400KV Switchyard at Bakreswar Thermal Power Project.

SALE OF TENDER PAPER : **27/01/2015 to 17/02/2015 from 10:00 Hrs. to 14:00 Hrs.** on all working days except Sundays and holidays and Saturday from 10:00 Hrs. to 12:00 Hrs. against deposition of Cost of Tender Document at Cash Section of Bk.TPP.

PRE-BID DISCUSSION ON : **On 19/02/2015 at 11:00 Hrs.**

LAST DATE & TIME OF SUBMISSION OF TENDER PAPER : **12/03/2015 upto 14:30 Hrs.**

DATE & TIME OF OPENING (PART-A FOR TECHNICAL BID ALONGWITH COMMERCIAL TERMS & CONDITIONS) : **12/03/2015 at 15:00 Hrs.**

COST OF TENDER PAPER : Rs. 2,000/- (Rupees two thousand only)

DEPOSITED VIDE D.C.R.NO. _____

DATED _____

ISSUED TO M/s. _____

SR. MANAGER (Materials)
BAKRESWAR THERMAL POWER PROJECT
W. B. P. D. C. L.

THE WEST BENGAL POWER DEVELOPMENT CORPORATION LIMITED
(A Govt. of West Bengal Enterprise)
Bakreswar Thermal Power Project
P.O.Bk.T.P.P , Dist -Birbhum, Pin -731104

NIT No.: WBPDC/Tend-Adv/CC/14-15/190/BkTPP

Date: 28.01.2015

JOB-II

Sealed tender in two parts, Part A (for technical specification bid alongwith commercial Terms & Conditions) and Part B (for price bid) in duplicate are invited by the General Manager, Bakreswar Thermal Power Project (BkTPP) under The West Bengal Power Development Corporation Limited from interested, resourceful and experienced agencies.

The agencies should submit the following documents in their quotation while submitting the offer:

1. Valid I.T. & S.T., Service Tax Registration, Professional Tax Clearance Certificates, Provident Fund A/c. No. etc.
2. Credential of similar work done directly under a Government/Quasi Government Organization/Private Company during period of any three year within last seven years reckoning **from 31.12.2014**
 - “Similar Works” means ‘Supply of Capacitive Voltage Transformer’ with the specifications detailed elsewhere in the Tender Document.
 - The value of work for similar type of job as mentioned above, completed by agency should be as follows:
 - a) In single order of value not less than Rs. 40 lakhs.
or
 - b) In two orders each of value not less than Rs. 25 lakhs.
or
 - c) In three orders each of value not less than Rs. 20 lakhs.
3. Average Annual Financial Turnover in last 3 financial years, (viz. 2011-12, 2012-13 & 2013-14) should be at least Rs. 15 lakhs.
4. Average net worth in last three financial years:- should be positive.
5. Audited balance sheet for last three financial years.

Job Description:

Procurement of 12 Nos. 0.2 Accuracy Class Capacitive Voltage Transformers for 400KV Switchyard as per detailed technical specification at Bakreswar Thermal Power Project.

Completion time

Material Delivery Schedule: - Twenty (20) weeks from the date of the order. Delivery is to be effected at BkTPP Store. Unloading will be done by WBPDC.

Earnest Money Deposit

Rs. 1.50 lakhs (Rupees one lakh and fifty thousand only) in the form of Demand Draft or Bank Guarantee in favour of "THE WEST BENGAL POWER DEVELOPMENT CORPORATION LIMITED" drawn on /issued by any Nationalised /Scheduled Bank, Suri or United Bank of India, BkTPP Branch. The requisite earnest money should be deposited along with tender papers in a separate sealed envelope. No tender will be entertained without Earnest Money. NSIC holders are exempted from deposition of EMD. Necessary enlistment certificate should be submitted by the respective bidder.

Cost of Tender Paper

Rs. 2,000/- (Rupees two thousand) in cash only (non refundable)

Sale of Tender Paper

27/01/2015 to 17/02/2015 from 10:00 Hrs. to 14:00 Hrs. on all working days except Sundays and holidays and Saturday from 10:00 Hrs. to 12:00 Hrs. against deposition of Cost of Tender Document at Cash Section of BkTPP.

Pre-bid Discussion

On 19/02/2015 at 11:00 Hrs. at the Administrative Building of BkTPP. Bidders are requested to submit their queries before the Pre-bid discussion.

Last Date of Submission of Tender Papers:

Last date of submission of Tender Paper is 12/03/2015 upto 14:30 Hrs. and the same will be opened (Part-A) at 15:00 Hrs. on the same date in presence of the participating tenderers if any. Sealed tenders of the parties only who have deposited the requisite amount of Earnest Money will be opened for two part bid.

The Corporation reserves the right to accept / cancel any or all tenders or to split the work without assigning any reason whatsoever. The WBPDCCL does not bind itself to accept the lowest tender and qualification of tenderer will be adjudged as per sole discretion of WBPDCCL authority. The validity of tender will remain effective for 6 (six) months from the date of opening of Price Bid of tender. All other details are available in the tender document.

Enclo:

- Information to Bidders
- Annexure – I & II

(K. Sarkar)
Sr. Manager (Materials)
BkTPP/WBPDCCL

THE WEST BENGAL POWER DEVELOPMENT CORPORATION LIMITED
(A Govt. of West Bengal Enterprise)
Bakreswar Thermal Power Project.
P.O. Bk.T.P.P, Dist-Bibhum. Pin-731 104

NIT No.: WBPDC/ Tend-Adv/CC/14-15/190/BkTPP

Date: 28.01.2015

JOB-II

INFORMATION TO BIDDERS

Sub :	Tender document for Procurement of 12 nos. 0.2 Accuracy Class Capacitive Voltage Transformers for 400KV Switchyard as per detailed technical specifications at Bakreswar Thermal Power Project.
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1.00.00. INTENT OF SPECIFICATION

This proposal is for the designing and procurement of 12 (twelve) Nos. 4400pF, 400kV, 0.2 accuracy class Capacitor Voltage Transformer (CVT) for BkTPP 400kV switchyard.

This specification is intended to cover the following activities in respect of above mentioned procurement with all components and accessories to be supplied to Central Store, BkTPP, WBPDC located in Birbhum district of West Bengal.

- a. Detailed design of the equipment and accessories.
- b. Providing Rating & Diagram Plate, Outline General Arrangement (OGA), Guaranteed Technical Particulars (GTP) & Quality Assurance (QA) Plan.
- c. Drawings, Data sheet, Format etc. for Owner's approval and records.
- d. Packing and transportation from the manufacturer's works to the site, including custom/port clearance, if required.
- e. Receipt, unloading, handling, storage and insurance of equipment.
- f. Reconciliation with customs authorities, if applicable.

2.00.00. GENERAL INSTRUCTION TO BIDDER

1. The bidder is advised to visit the plant/site, if required, and collect any information or data as may be required by them, before quoting against this specification. The bidder is also advised to give technical information of the material which is being quoted along with relevant literature covering all technical specifications and its features.
2. Bidder has to check receipt of complete documents referred to in the contents. In the event of order, the entire specification will form part of purchase order for compliance during execution.
3. Deviation, if any, shall be clearly brought out in the "Deviation Schedule". Otherwise, it will be interpreted that the bidder is fully complying with the specification.
4. In case of any dispute, Senior Manager (EM-OPH)'s decision will be final and binding.

3.00.00 BID PROPOSAL

1. Following documents shall be submitted along with the offer. The documents forming part of the offer shall be neat, legible and in English.
 - 1.1. Filled in data sheets of the product & its accessories offered. A list of such documents shall also be furnished.
 - 1.2. Outline General Arrangement drawing along with detailed descriptions.
 - 1.3. Guaranteed Technical Particulars
 - 1.4. Complete BOM of the offered material. The BOM submitted shall contain the make, model number, rating of the item etc. Vendor's name & addresses of brought out items are also to be mentioned along with warranty certificates. Warranty clauses would include name of the customer.
 - 1.5. Filled in "Deviation Schedule" with reason/justification for the deviation taken.
 - 1.6. **List and schedule of documents to be submitted by bidder for buyer's approval and information, after placement of order.**

4.00.00 SCOPE OF WORK (SOW):

1. It includes design & engineering of system, testing and supply of Capacitor Voltage Transformer at site. All the engineering drawings are to be get finalized (mutually agreed by supplier & customer) according to site requirement. Vendor may visit site for collection of required data/ drawing etc. before finalization of engineering of the system without any financial implication to WBPDCCL.
2. Quantity of all items, Bill of material is to be finalized after engineering & design of system architecture.
3. **Documents** : 3 Sets of as built drawings & manuals (hard copy & soft copy) are to be submitted clearly mentioning equipment details.
4. **Testing:** (a) Before dispatching of equipments and materials vendor should offer customer for testing at their works. All basic designing have to be completed before offering customer for inspection. Vendor should have all these testing facilities at their works. Vendor has the full responsibility to address & sort out the problems if arises so far.
5. Packing and transportation from the manufacturer's works to the site including custom/port clearance, as required.
6. If the bidder feels that, in his opinion, certain feature brought out in his offer are superior to what has been specified, these may be highlighted separately.
7. Warranty period of Capacitor Voltage Transformer has to be of Minimum 12 months, which starts after the acceptance of WBPDCCL.

5.00.00 BID QUALIFYING REQUIREMENT:

Required evidence for the following BQR conditions should be furnished along with the tender. Otherwise the offer will be summarily rejected.

1. Bidders must have the experience of manufacturing Capacitor Voltage Transformer of 400kV or above for at least past 7 years in India.
2. Bidder should have supplied orders of similar type to at least three other government, Quasi Government or private organizations.
3. Bidder must have a technical branch in India from where all type of technical support will be available for the next 20 years.
4. The bidder should confirm the support service or supplying spares of supplied capacitive voltage transformers for at least next 20 years.

6.00.00 TERMS AND CONDITIONS

Sealed Tenders in two parts, Part A (for Technical Specification bid alongwith commercial terms and conditions) and Part B (for Price Bid) in duplicate (Non-transferable) with firm's own seal are invited as detailed in the attached sheet ANNEXURE-II under following terms and conditions:-

1. Tender Notice No. Brief description of the supply and due date of opening should be clearly mentioned on the top of the envelope.
2. Material Delivery Schedule: - Twenty (20) weeks from the date of the order. Delivery is to be effected at BkTPP Store. Unloading will be done by WBPDCCL.
3. LEAF LET ETC: - The descriptive literature of materials shall have to be enclosed along with the tender / quotation.
4. INSPECTION:-
 - a) The complete equipment has to be offered for inspection by WBPDCCL representative at bidder's works and the bidder shall give 30 days advance notice for arranging the inspection after the equipment is made fully ready. Inspection will also be carried out at BkTPP stores by the representatives of concerned dept after effecting delivery.
 - b) Decision of Sr. Manager (EM-OPH), BkTPP would be final & binding for inspection at vendor's works & vendor must offer for inspection by WBPDCCL at their works.
 - c) The equipments can be dispatched only after the clearance by WBPDCCL.
 - d) Rejected Materials have to be lifted by party at their own cost. Loading at BkTPP for lifting the rejected materials will be arranged by party at their cost.
5. PRICE:-
 - a) Rates and total amount should be mentioned both in figure and words, if there be any difference the fewer amounts will be considered.
 - b) Excise duty, S.T. /VAT, Service Tax, other statutory Levies, Forwarding & Packing & freight etc must be clearly mentioned in the tender/quotation.
 - c) The rates inclusive of delivery at Bk.T.P.P. Stores must be quoted. Break up should also be submitted.
 - d) The D G S & D rate should be quoted, if there be any D G S & D rate contract that is to be furnished.
 - e) Bids or modification of bids received after opening of Tender will not be considered.
6. PAYMENT:
 - i) 90% payment will be made by Cheque against Store Received Voucher (SRV). The SRV will be issued only after acceptance of material by user department. Payment by Demand Draft with bank charges on vendor's account may be considered subject to mention in relevant quotation / offer.

ii) Balance 10% of payment will be released after 12 months from the date of successful commissioning of equipment and after observing the performance of CVT or 18 months after delivery of the materials, whichever is earlier.

PAYING AUTHORITY:

i) Bill in triplicate alongwith challans is to be submitted to the G.M (F&A)/ Dy.GM (F & A), WBPDCCL Corporate Office. STD Form for concessional rate of S.T can be provided to the supplier only after completion of supply with submission of final bill. Excise duty can not be without E. Duty Gate Pass (GP-I) E.D. Gate Pass is to be submitted in original along with the Invoice/Bill. Part payment for part delivery will not be allowed.

7. **TEST CERTIFICATE:-** Material test certificate from Govt. Approved Laboratory may be submitted along with supplies.
8. **GUARANTEE/WARRANTY:-** The material must conform to the specifications as indicated in the purchase order. Also the material should be guaranteed against any manufacturing defects due to faulty design or bad workmanship or defected material for a period of 12 months from the date of commissioning or 18 months from the date of supply whichever is earlier. If any material or part thereof is found or proved to be defective within this period, you shall be liable to replace the same at free of cost within a reasonable period, failing which Bk.TPP authority will take necessary measure for replacement of damaged material from elsewhere and expenditure incurred on above ground shall be realized from you. The equipment is to be made functional after attending the problem as early as possible. Guarantee Certificate for supplied material is to be submitted along with material.
9. **PERFORMANCE BANK GUARANTEE:-** A Bank Guarantee for 5% of the limiting value of basic price will be submitted for security cum performance guarantee. The said Bank Guarantee will be furnished prior to commencement of supply of materials and Bank Guarantee will remain valid till expiry of the guarantee period.
10. **LIQUIDATED DAMAGE:-** The WBPDCCL reserves the right to repudiate the contract if the materials are not delivered within the stipulated time. However, the authority may waive this condition and impose a L.D. for delayed supply @1/2% on the value of undelivered materials which may be either for total quantity or delivery effected partly beyond the scheduled time and for each week of delay or part thereof up to a maximum of 5% of the total value of the materials.
11. **OTHER REQUIREMENTS:-** Copies of orders received from Govt. agencies, Undertaking along with proof of execution of the orders shall have to be furnished along with the bids.

Notwithstanding any thing stated above WBPDCCL reserves the right to assess the bidder's capability and capacity to perform the contract, should be circumstances warrant such assessment in the overall interest of WBPDCCL.

WBPDCCL reserves the right to split the order, alter the quantity and reject any or all tenders without assigning any reasons whatsoever. WBPDCCL does not take any responsibility for postal delays.

SR. MANAGER (Materials)
BAKRESWAR THERMAL POWER PROJECT
W. B. P. D. C. L.

ANNEXURE-I

NIT No.: WBPDC/Adv-CC/14-15/190/BkTPP

Date: 28.01.2015

JOB-II

TECHNICAL SPECIFICATION **FOR**

Capacitive Voltage Transformers of 400KV Switchyard at Bakreswar **Thermal Power Project:**

Sl No.	Item Code	Item Description	Quantity	UOM
1	05T050003	CVT, 420KV, 4400pF, Protection core accuracy class 3P Metering core accuracy class 0.2	12.0	NO

1. GENERAL TECHNICAL SPECIFICATIONS

Technical particulars:

- Primary voltage : $400000/\sqrt{3}$ V
- Type : Outdoor
- Phase : Single
- Insulation level : 630kVp/1050kVp/1425kVp
- Rated voltage factor/Time : 1.2/ Continuous, 1.5/30 seconds
- Highest system voltage : 420kV
- HV Capacitor : 4656pF
- IV Capacitor : 80000pF
- Rated capacitance : 4400pF
- Standard : IS:3156 / IEC:358
- Total Creepage distance : 10500mm
- Secondary details:

Secondary terminal	1a-1n / 1a'-1n	2a-2n / 2a'-2n	3a-3n / 3a'-3n
Secondary voltage (V)	$110/\sqrt{3}$	$110/\sqrt{3}$	$110/\sqrt{3}$
Rated burden (VA)	200	200	100
Class	3P	3P	0.2
Frequency (Hz)	48 - 51		49.5 - 50.5
Total simultaneous burden (VA)			100

More details available in GTP & OGA.

Each Capacitor Voltage Transformer set includes:

1. Top unit shall have primary terminal, sling guides & eye bolts for lifting and connection among units. Sling guides will be of removable type.
2. One corona ring with connecting provision with top unit.
3. Bottom unit, i.e., E.M. Unit shall contain Nitrogen filling Schrader valve cap, lifting & earthing pad, oil gauge, drain plug, pressure release device and secondary terminal box.
4. Dimension of all items mentioned in serial no. 1 to serial no. 3 shall be according to drawing available with the EMOPH Department, BkTPP, WBPDCCL.

N.B.

1. **Maintenance Manual, Drawing, Other relevant certificates are to be supplied by the Party along with the package.**
2. **Complete recommended spare parts list with part number, drawing and ordering code for spare procurement must be provided.**

