

THE WEST BENGAL POWER DEVELOPMENT CORPORATION LIMITED
(A GOVERNMENT OF WEST BENGAL ENTERPRISE)
OFFICE OF THE GENERAL MANAGER
BAKRESWAR THERMAL POWER PROJECT
P.O.: BKTPP, DIST.: BIRBHUM-731 104

NIT No.: WBPDCCL/Tend-Adv/CC/13-14/98/BkTPP

Date: 07.09.2013

Ref. No.: BKTPP/SR.MGR(C)-OPH/G-15/1213/255

dtd 05.09.2013

Sub:	Press Tender for “Capacity Survey of Bk-Dam (Reservoir) and two (02) nos. of Raw Water Reservoirs at BkTPS, WBPDCCL”
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Bakreswar Thermal Power Project (BkTPP) invites 3-part Commercial (Part I – Bid Guarantee (EMD), Part II - Pre bid qualification, Part III - Price Offer) offer for undertaking the contract for “Capacity Survey of Bk-Dam (Reservoir) and two (02) nos. of Raw Water Reservoirs at BkTPS, WBPDCCL”

- 1) Issue of Tender Document: The tender document shall be available from the Civil-OPH Dept., Administrative Bldg. (2nd floor), BkTPP from 10:30 Hrs. to 12:00 Hrs and 14:00 Hrs to 17:00 Hrs. except Holidays & Sundays and 10:30 Hrs to 12:00 Hrs on Saturday. For collection of tender paper, the agency must send their authorized person with office stamp.
- 2) Cost of Tender Document : The tender document shall be issued against submission of non-refundable Demand Draft/Pay order amounting **Rs.1000.00 (Rupees one thousand)** only drawn in favour of “The West Bengal Power Development Corporation Ltd ” payable at any Nationalized bank at Suri or United Bank of India, Bk.T.P.P. Tender paper shall not be issued against cash/cheque/money order /post.
- 3) The last date & time of purchase of tender paper: **20.09.2013** up to 17:00 Hrs.
- 4) Pre-bid discussion: On **23.09.2013** at 15:30 Hrs at the office of Sr. Manager (C-OPH), Administrative Bldg., BkTPP.
- 5) The date & time of submission of Bid: Up to **27.09.2013** .at 15:00 Hrs.
- 6) The date & time of opening of part - I & II of the Bid: **27.09.2013**.at 15:30 Hrs at the office of Sr. Manager (C-OPH), Administrative Bldg., BkTPP.
- 7) The date & time of opening of part - III i.e. Price bid will be intimated in due course to the qualified bidder.
- 8) The Bid Guarantee (EMD) is to be submitted along with the bid in the form of Demand Draft/Pay order amounting Rs. 15,000.00 (Rupees fifteen thousand) only drawn in favour of “The West Bengal Power Development Corporation Ltd” payable at any Nationalized Bank at Suri or United Bank of India, Bk.T.P.P. The Bid Guarantee (EMD) of unsuccessful bidder shall be released in due course of time without any interest but may be forfeited at the sole discretion of WBPDCCL in case of submission of any false document in support of technical or financial credential of the bidder. However, necessary relaxation in the bid guarantee (EMD) may be allowed to the bidder, if they are governed by any particular circular/ Administrative order, providing for the same on production on supporting documents.

9) **Acceptance of offers is subject to submission of valid Sales tax clearance certificate [up to date], Professional tax clearance certificate [up to date], Income Tax PAN No, Service Tax registration No, Company PF Code No. etc.**

10) It shall be obligatory and imperative on the part of the Tenderers to collect all relevant information and Data pertaining to the tender in question including prevailing wages at BkTPP, requirement of extending Provident Fund and in compliance with the provision Contract Labour (Regulation & Abolition) Act 1970, Employees' Compensation Act, 1923, Workmen's Compensatory Insurance, Labour License and compliance with the provisions of Factories Act, 1948 and all other statutory and related Rules & Regulations and procedural formality in connection there with and other requirements incidental there to or connected therewith.

11) The interested agencies may inspect the site & satisfy themselves before submission of tenders. The bidder must confirm while submitting the tender that he has quoted rates understanding the scope & area of work, all terms and conditions of tender documents, actual site conditions & other related aspects. Deviation in any respect, expressed anywhere in the three part bid document, will not be accepted.

12) **Qualification of the Bidder:** The tender is open to any single Bidder who is a well established and reputed company meeting the following criterion:

a) **Financial ability:** The bidder shall have adequate financial stability i.e. **Annual turnover shall be more than Rs.20Lakh (twenty Lakhs) during any two years within last four years. The copy of audited accounts report for the respective 02 (two) years mentioned above shall have to be furnished along with the offer.**

(b) **Credential of the work:**

The bidder shall have

(i) The credential of successful completion of **Survey- contour work of land/ reservoir or any other water body of value (i) not less than Rs. 3 lakh (five lakh) in a single contract or (ii) 02 number contracts of value not less than Rs 2.5 lakh each or (iii) 03 number contracts of value not less than Rs 2 lakh each during the last 07 years directly under any Govt. organizations/ PSUs."**

The bidder shall have to furnish authentic documents (like copy of final bill certificate, completion certificate and work orders along with schedule of works) in support of successful completion of similar type of work. It is desirable that the bidder be the "owner of required equipments/ machineries of capacity as well as number and also skilled/efficient manpower and associated experts for necessary interpretation as per requirement of detailed scope (pl ref Annex-I) as required to ensure timely completion of the work."

(c) No sub-contracting will be allowed.

13) Price to be quoted:

Rate Contract Price: The bidder must quote the rate for the entire period of contract as per scope of work described in **Annexure I** (Part-A & Part-B) according to the attached format for '**Price Offer**' in form of figure and in words for the job "**Capacity Survey of Bk-Dam (Reservoir) and two (02) nos. of Raw Water Reservoirs at BkTPS, WBPDCCL**". **L1 bidder will be fixed based on sum of amount for Part-A & Part-B.**"

14) Period of contract: The period of contract shall be for **08 (eight) months**. The period of contract shall be mentioned in LOI/Work order.

15) If all the above mentioned fixed up date and time fall on a Sunday /holiday /festival / or any declared holiday, then dates will be shifted on the next working days.

16) Apart from above following stipulations are to be adhered to:-

- ◆ Tender papers are not transferable.
- ◆ Any offer without aforesaid bid guarantee (EMD) excepting exemption if any shall not be considered.
- ◆ Any offer received after the last date & time stipulated in this notice shall not be considered.
- ◆ WBPDCCL reserves the right to reject any or all tenders at its discretion.
- ◆ WBPDCCL is not necessarily bound to accept the lowest offer.
- ◆ Issuance of tender paper will not ascertain the qualification of the Bidder.
- ◆ Any offer at any stage of evaluation may be rejected and the Bid Guarantee shall be forfeited at the sole discretion of WBPDCCL in case of submission of any false document in support of credential of the bidder.
- ◆ No deviation is allowed in respect of any terms & conditions detailed above and appended in the tender paper.
- ◆ Any tender having such deviation expressed anywhere in the bid may be liable for rejection.
- ◆ Jurisdiction regarding this contract is limited to state of West Bengal as per provisions of Statutes.

SD/-

(S.K. Dutta)

Sr. Manager (C-OPH)

BkTPP/WBPDCCL

ANNEXURE-I

Scope of work

Part-A: Capacity Survey of Bk-Dam (Reservoir)

1. The entire surface area of the reservoir 9.4 sq.km (approx) is to be taken into consideration, to obtain the reservoir capacity at various levels and to assess the existing storage at any point of time.
2. The survey is to be carried out with reference to given benchmark, wherefrom the location of the grid Control Pillars are to be fixed, with the help of DGPS station point.
3. The Reduced Levels of different survey points are to be fixed from a given local GTS point, located nearby Bk-Dam structure
4. The Grid Control Pillars are to be installed at regular suitable intervals, so that it can depict the area in details, within more or less 01 sq. km of the reservoir area.
5. The entire land terrain and the water body are to be surveyed in details, with the help of Total Station and Dual Frequency Differential Global Positioning System (Rover and Base type) and the field data are to be submitted to the Department for future reference
6. The sounding depths are to be taken with Dual Frequency Echo Sounder at more or less 10m interval, in square grid to ensure the correctness of the Hydrographic survey. The suggested frequencies of the Dual Frequency Echo Sounder are preferably 33 KHz and 200 KHz, (like Bathy 500 DF).
7. The data collected from site are to be projected on suitable contour plan, with maximum of 0.3M contour interval and to be presented in Hard copies and as well as Soft copy format.
8. The drawings and calculations are to be prepared using CIVIL 3D software and forwarded to the Department and necessary conversion may be made in (.pdf) and AutoCAD 2008 format for ready access by the Department.
9. The Dead Storage level is so far recorded as 68.2 M and invert level of the penstock is recorded as 71.0 M. Moreover, the FRL of Bk-Dam reservoir is fixed at RL 78.6M. With the above considerations, storage capacity for the Bk-Dam with a regular vertical interval of 0.1M has to be provided by the agency in both graphical and tabular form to indicate the 'Total original capacity as well as Live Storage of the reservoir'.
10. The agency has to submit a 'Loss of Capacity due to siltation (in percentage) versus Water Level Chart.' for Bk-Dam Reservoirs.
11. The agency has to be equipped with suitable safety equipments including shoes, Life jackets etc. as per norms of WBPDC

12. To conduct the field work, the agency is supposed to make arrangements for their accommodations, boats, vehicles etc on their own.
- 13. It is imperative to the agency to keep all the data at their office to help the WBDCL authority for any kind of further exercise for designing etc in future for atleast 10 (ten) years time.**
- 14. The agency should have all the statutory compliance of IT, ST, Service Tax, PF etc as per norms of WBDCL.**

Part-B: Capacity Survey of 02(Two) number Raw Water Reservoirs

1. Two (02) numbers of Raw water reservoir of BkTPP with dimension of (275M x 275M) and (275M x 300M) approximately, are to be taken into consideration, to obtain their capacity at various levels and to assess the existing storage capacity at certain point of time.
2. The survey is to be carried out with reference to some given fixed benchmark, wherefrom the location of the Grid Control Pillars are to be installed, with the help of DGPS station point, if required.
3. The RL is to be fixed from an available local GTS point.
4. The reservoirs are to be surveyed in details; with the help of Total Station and Dual Frequency Differential Global Positioning System (Rover and Base type) as necessary and the field data are to be submitted to the Department for future reference.
5. The sounding depths are to be taken with Dual Frequency Echo Sounder at more or less 5m interval in square grid to ensure the correctness of the Hydrographic survey. The suggested frequencies of the Dual Frequency Echo Sounder are preferably 33 KHz and 200 KHz, (like Bathy 500 DF).
6. The drawings and calculations are to be prepared using CIVIL 3D software and forwarded to the Department and necessary conversion may be made in (.pdf) and AutoCAD 2008 format for ready access by the Department.
7. The raw water reservoir having bottom level at RL 66.0M and top level at RL 76.0M (approx). Sounding to be done at 5m regular (square grid) interval for each part of reservoir. With these data, the agency is required to indicate the storage capacity for the reservoir in regular vertical interval of 0.1M in both graphical and tabular form. 'Total original capacity as well as Live Storage of the reservoir' to be shown indicating any loss of original capacity.
8. The agency has to submit a 'Percentage of siltation versus elevation Chart.' for both the Raw water Reservoirs, separately.

9. The agency has to be equipped with suitable safety equipments including shoes, Life jacket etc. as per norms of WBPDCCL

10. To conduct the field work, the agency is supposed to make arrangements for their accommodations, boats and vehicle etc. on their own.

11. It is imperative to the agency to keep all the data at their office to help the WBPDCCL authority for any kind of further exercise for designing etc in future for atleast 10 (ten) years time.

12. The agency should have all the statutory compliance of IT, ST, Service Tax, PF etc as per norms of WBPDCCL.

Sd/-

(S.K. Dutta)
Sr. Manager (C-OPH)
BkTPP/WBPDCCL