

**TENDER DOCUMENT
FOR**

BATHYMETRIC SURVEY OVER A STRETCH OF 50KM AND HYDROGRAPHIC SURVEY AT 4 NOS SECTIONS AT RIVER RUPNARAYAN AT PURBA MEDINIPUR DISTRICT

TENDER REFERENCE	PUR/721/EEG/04/2018-19
CONTACT DETAILS	Director [Attention: Stores & Purchase Officer] CSIR-Central Mechanical Engineering Research Institute Mahatma Gandhi Avenue, Durgapur-713209, West Bengal e-mail : pur@cmeri.res.in

CRITICAL DATE SHEET	DATE	TIME
Bid Published Date	01 March 2019	3.00 pm
Bid Document Download / Sale Start Date	01 March 2019	3.00 pm
Bid Submission Start Date	01 March 2019	3.00 pm
Bid Submission End date	22 March 2019	3.00 pm
Bid opening date	25 March 2019	3.30 pm

NOTICE INVITING TENDER

1. Director, CSIR-Central Mechanical Engineering Research Institute, Mahatma Gandhi Avenue, Durgapur 713209, West Bengal, invites e-tenders from eligible contractors / service providers for the following service/services:

Sl.No.	Tender Reference	Job Description	Quantity
1	PUR/721/EEG/04/2018-19	Hiring Of Services to conduct Bathymetric survey over a stretch of 50km and Hydrographic survey at 4 nos sections at river Rupnarayan at Purba Medinipur District, West Bengal	1 Job

2. E-Bids are invited through the electronic tendering process and the Tender Document can be downloaded from the e-Tender portal of Government of India, <https://etenders.gov.in>. Please note that the submission of e-Bids will be only through the e-Tender portal <https://etenders.gov.in>. Bids will not be accepted in any other form. Further it may be noted that Bids which are duly submitted on e-Tender portal shall only be considered and Bids just saved without submission will not be available to the Evaluation Committee of CSIR-CMERI.
3. Any Bidder willing to take part in the process of e-tendering will have to get registered in the Central Public Procurement [CPP] portal, NIC, Government of India, by logging on to the portal <https://etenders.gov.in>. Bidders are requested to go through “**Bidder Manual Kit**”, “**System Settings**” & “**FAQ**” links available on the login page of the e-Tender portal for guidelines, procedures & system requirements. In case of any technical difficulty, Bidders may contact the help desk numbers & email ids mentioned at the e-tender portal. Every Bidder will be required to obtain a Class-III Digital Signature [DSC] for submission of Bids.

STORES AND PURCHASE OFFICER

1. **CSIR-Central Mechanical Engineering Research Institute**, (referred to as representative of Employer in these documents) invites online bids in electronic tendering system for the non-consulting services as described in the Price Schedule Form

The successful bidder will be expected to complete the assignment by the intended completion period .

2. **Qualification of the bidder**

The bidder shall provide qualification information which shall include: -

- (a) Income tax clearance certificate from the concerned IT circle
- (b) Report on his financial standing and
- (c) Details of any litigation, current or during the last 3 years in which the bidder is involved, the parties concerned and disputed amount in each case.

3. **To qualify for award of the contract the bidder should have**

- (A) **Financial Capability:**

The annual financial turnover of intending bidder should not be less than Rs. **20 lakhs**. The bidders have to submit Audited Annual Accounts Reports in support of their Average Annual Financial Turnover. If the bidder does not have Audited Annual Account Report, he may submit Certificate from practicing Chartered Accountant

- (B) **Technical Capability:**

The intending bidders must possess credential regarding successful completion of similar work during last 07 (seven) years ending last day of month previous to the one in which offers are invited and shall be either of the following :

- a. One similar completed work costing not less than the amount equal to **Rs 15 lakh**.

Completed Work Means: Completed work means the executed / completed portion of Work Order / AMC / RC, even if the work has not been completed in totality (but must not be less than above).

Similar Work Means- "Bathymetric and Hydrographic survey using Acoustic Doppler Current Profiler (ADCP)"

Technical Compliance Sheet

The compliance sheet with reference to the specifications should be furnished against each parameter while submitting the tender, which is absolutely necessary. The Tenderer Shall Submit Technical Compliance Sheets along with their Bid Documents. Tenders without Compliance Sheets will not be evaluated.

The bidder shall furnish, as a part of his bid; documents establishing the bidder's eligibility to bid and his qualification to participate in the bid.

The bidder is qualified only when he is the actual service provider and meets the required norms as specified below also the ownership copy of ADCP and hypack software are to be produced in due course of time as & when asked by the Tender Inviting Authority :-

TECHNICAL COMPLIANCE SHEET

[BIDDER MUST FILL UP THE TECHNICAL COMPLIANCE SHEET AND ATTACH SUPPORTING DOCUMENTS AS EVIDENCE OF HIS/HER COMPLIANCE TO THE STIPULATED POINTS]

No	Item	Yes/No
1.	Having experienced manpower in hydrographic survey and equipment for the required of the job.	
2.	Having the following equipment required for the job, as explained in the specifications:-	
2.a	Marine Radio Beacon receiver Or Satellite based correction Receiver (OMNISTAR) to receive the Pseudo range corrections through Echo sounder and Hypack Software.	
2.b	Differential GPS for Off shore positioning (Leica, Spectra Precision, Trimble or Equivalent)	
2.c	ADCP - Acoustic Doppler Current Profilers (RiverRay) for water velocity measurement including to determine others bathymetric parameters as required by Engineer-in-Charge.	
2.d	Two DGPS Software for downloading, processing & preparation of bathymetry chart, and contour map such as Hypack and Hydaspri or equivalent.	
2.e	Should provide a valid bench mark as described in the attached specifications at each of the sites.	
3.	Should carry the survey work as described in the attached specifications	
4.	Should provide the final processed data as described in the attached specifications	

This Tender Document is to be read as a whole. Details as appearing in all Sections in this Tender Document are intended to be correlative, complementary, and mutually explanatory.

SPECIAL TERMS AND CONDITIONS

1. SUBMISSION OF BIDS

- 1.1. The e-Bid shall be digitally signed by the Bidder at the e-tendering portal by person / persons duly authorized to bind the Bidder to the contract. Written Power –of – attorney [if required under the Bidding Process] should accompany the Bid. The person or persons signing the e-bid shall also physically sign each document of the Bid, except for printed literature. The e-Bid submitted shall be in readable form and encrypted as per e-tendering portal requirements. Standard Printed terms and conditions of the Bidder other than the NIT conditions shall not be considered.
- 1.2. The e-Bid shall be submitted in a single cover and shall consist of the following Documents:

Sl. No.	Document Required	Document type
1	Bid Form duly filled in and signed by Bidder	.pdf
2	Scanned Quotation with complete details duly signed by Bidder and prices quoted in the Price Schedule Form	.pdf
3	Technical Compliance Sheet filled in and signed with necessary details and supported by relevant documents	.pdf
All the above scanned documents must be e-signed prior to being uploaded and saved in the system		

- 1.3. The bidders shall digitally sign and encrypt their bid and upload the bid on –line at the e-Tendering portal.
- 1.4. If the envelope is not digitally signed & encrypted the Purchaser shall not accept such open Bids for evaluation purpose and shall be treated as non-responsive and rejected.
- 1.5. Purchaser shall receive the bids online through CPP e-portal only. The e-Tender portal shall automatically stop accepting bids at the scheduled date and time specified in the Tender Document. Partially submitted bids shall be treated as invalid and shall not be processed. Bidders are advised to upload and submit their bids timely in view of the electronic process so as to avoid list minute issues.
- 1.6. Purchaser may, at its discretion extend the deadline for submission of the e-Bids by amending the Tender Documents in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.
- 1.7. Bidders must note that the e-tender portal shall not permit uploading of bids after the scheduled time of submission.
- 1.8. The bidder may correct or modify his digitally signed bid after submission prior to the deadline for submission of bids, through provisions of e-tendering portal.

2. VALIDITY OF BIDS

- 2.1. The offer should be valid for at least 90 days from the date of opening of e-Bids/e-Quotation.

3. PAYMENT

- 3.1. Payment shall be made in the manner as described in the Price Schedule Form.

4. DELIVERY

- 4.1. Delivery of the performance of the Services shall be made by the Supplier in accordance with the time schedule specified by CSIR-CMERI in the Work Order. If, at any time during performance of the Contract / Work Order, the Supplier encounters conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify CSIR-CMERI in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, CSIR-CMERI shall evaluate the situation and may, at its discretion, extend the Supplier's time for performance with or without penalty, in which case the extension shall be ratified by the parties by amendment of the Purchase Order / Contract.
- 4.2. A delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of penalty pursuant to Penalty Clause as detailed below, unless an extension of time is agreed upon without the application of penalty clause.

5. LIQUIDATED DAMAGES

- 5.1. If the Supplier fails to deliver the ordered service(s) within the delivery schedule as agreed upon, a sum equivalent to 1 (one) per cent of the delivered price of the unperformed services for each week of delay or part thereof until actual delivery or performance, will be deducted from the order value as liquidated damages, subject to a maximum deduction of 10 (ten) per cent of the order value. And, on attainment of maximum, termination of the contract may be considered by CSIR-CMERI.

6. RISK PURCHASE

- 6.1. If the supplier fails to deliver the ordered service (s) within the maximum delivery period specified in the Work Order, CSIR-CMERI may procure such item(s) and in such a manner as deemed appropriate, goods or services similar to those undelivered and the supplier will be liable to the institute for any excess costs for such similar services.

7. APPLICABLE LAW

- 7.1. The Contract shall be interpreted in accordance with the laws of the Union of India and all disputes shall be subject to a court of competent jurisdiction in Durgapur, West Bengal, India.

8. SETTLEMENT OF DISPUTES AND ARBITRATION

- 8.1. The Purchaser and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Purchase Order / Contract. If, after twenty-one (21) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in

accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract.

8.2. Disputes or differences shall be settled in accordance with the Indian Arbitration & Conciliation Act, 1996, the rules there under and any statutory modifications or re-enactments thereof shall apply to the arbitration proceedings. The dispute shall be referred to the Director General, Council of Scientific & Industrial Research and if he is unable or unwilling to act, to the sole arbitration of some other person appointed by him willing to act as such Arbitrator. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order.

8.3. The venue of the arbitration shall be the place from where the Work Order or contract is issued.

8.4. Notwithstanding any reference to arbitration herein,

(a) the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and

(b) the Purchaser shall pay the Supplier any monies due the Supplier.

9. OTHERS

9.1. Wherever deemed necessary, Bidder shall be at liberty to question the Bidding Document, Bidding process and rejection of its Bid.

9.2. **The Work Order / Contract shall be awarded to the lowest evaluated responsive (L-1) bidder.**

9.3. In case where OEM has submitted the bid, the bids of its agent/dealer will not be considered.

9.4. A Bidder quoting on behalf of an OEM shall not quote on behalf of another OEM for the same item in the same tender. In such cases, both bids will be rejected.

9.5. Any discrepancy(ies) observed in the Price Schedule Forms / Price Bids will be settled in the following manner:

- i) If, in the price structure quoted for the required goods, there is discrepancy between the unit price and total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly;
- ii) If there is an error in a total corresponding to the addition or subtraction of sub-totals, the sub-totals shall prevail and the total shall be corrected; and
- iii) If there is a discrepancy between words and figures, the amount in words shall prevail;

Such discrepancy (ies) in an offer shall be conveyed to the concerned Bidder asking him to respond by a target date and if the Bidder does not agree to the observation of CSIR-CMERI, the e-bid shall be rejected.

BID FORM

(to be submitted on the official Letterhead of the Bidder)

Tender Reference _____

The Director,
CSIR-Central Mechanical Engineering Research Institute
Mahatma Gandhi Avenue, Durgapur – 713 209, West Bengal

Sir,

Having examined the Tender Document, the receipt of which is hereby duly acknowledged. I/We agree to furnish required supplies/services in conformity with the terms and conditions and other requirements detailed in the said Tender Document at the prices given in the Price Bid on receipt of order for the same.

I/We agree to hold this offer open until _____ and to supply, [install and commission the equipment, wherever applicable] and complete the whole of the work and hand over to the Purchaser within the period of _____ weeks, from the date of receipt of intimation from you regarding acceptance of our e-Bid/receipt of your Purchase Order.

I/We agree to submit the Bank Guarantee [wherever applicable] as specified in the form prescribed by your goodself for the due performance of the contract, if our e-Bid is accepted.

I/we understand that you are not bound to accept the lowest or any bid you may receipt

Signature of Bidder
With office stamp
Name & Address

Telephone No.:

Fax No.:

E-mail ID:

PRICE SCHEDULE FORM

Schedule of Bathymetric survey over a stretch of 50km and Hydrographic survey at 4 nos. sections at river Rupnarayan at Purba Medinipur District:

Sl No	Description	Quantity	Rate (Rs.)	Amount (Rs.)
1	Conducting Bathymetry survey with longitudinal and sectional grid size of 50m x 50m over 20 km stretch of Rupnarayan river at Purba Medinipur Dist. and submission of Report with drawing (soft and hard copies)	01 no		
2	Measurement of continuous tide levels at four sections A, B, C, D [four days in one season]	03 seasons		
3	Conducting Hydrographic Survey using Acoustic Doppler Current Profiler (ADCP) across river Rupnarayan at four sections A, B, C, D [four days in one season] to determine: <ul style="list-style-type: none"> • Width of water flow • Maximum depth of water • Mean depth of water • Area of water flow • Mean velocity • Mean Discharge of water 	03 seasons		
4	River bed sampling at four sections A, B, C and D	01no		
Total:				
Add GST@ 18%:				
Gross Total:				

Note:

1. The rate should include:

- Transportation and Conveyance of all necessary instruments at site.
- All expenditure related to the work at site.
- Recordings & submission of detailed report (Soft and Hard copy)

2. Terms of Payment:

- 1st payment after completion of Bathymetric Survey (Sl. No.1), first set of tide measurement (Sl. No.2), first set of Hydrographic Survey (Sl. No.3) and River bed Sampling (Sl. No.4)
- 2nd Payment after completion of second set of tide measurement (Sl. No.2) and second set of Hydrographic Survey (Sl. No.3)
- 3rd Payment after completion of third set of tide measurement (Sl. No.2) and third set of Hydrographic Survey (Sl. No.3)

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