



DREDGING CORPORATION OF INDIA LIMITED
(A Government of India Undertaking)
Dredge House, Port Area,
Visakhapatnam – 530 001

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Ref.No.GMP-1/MAT/DR-XI/DLM/2017-18/5007

Date:11.09.2017

To,
M/s.

Sir,

Sub: Tender for Procurement of DLM/HVLM for DCI Dredge-XI – Reg.

Ref: Tender No. **GMP-I/MAT/DR-XI/DLM/2017-18/5007**, Dated:11.09.2017 due on **29.09.2017** at 15.30hrs

- 1.0 Sealed Tenders are invited for supply of DLM/HVLM as per the details furnished in the enclosed schedule.
- 2.0 Technical specifications of DLM/HVLM is also attached for ready reference in Annexure-I and supply should be in accordance with the specifications
- 3.0 In case you are interested, kindly, let us have your most competitive offer in one copy of this tender specification retaining the other for your records. Tenders in any other form or incomplete tenders are likely to be rejected.
- 4.0 The details of the EMD & Tender Document cost should be submitted online and payment receipt should accompany with the tender, without which tender will be rejected
 - a) **EMD**: The Tender must be submitted along with Earnest Money Deposit (EMD) for **Rs.41,000.00**(Rupees Forty one thousand only) (REFUNDABLE) by depositing the said amount into the account of **Dredging Corporation of India Limited, Current Account No: 3583307000014, IFSC/RTGS CODE: SYNB0003583, SWIFT CODE: SYNBINBB032, BANK NAME: Syndicate Bank, BRANCH NAME: DCI LTD, Port Area Branch, Visakhapatnam- 530001** or by way of BG bond drawn on any Scheduled Bank may be submitted along with tender.
 - b) **TENDER DOCUMENT COST**: The Tender must be submitted along with Tender document cost for **Rs. 1,000/- plus applicable GST@12%**(One thousand only) (NON-REFUNDABLE) by depositing the said amount into **Dredging Corporation of India Limited, Current Account No: 3583307000014, IFSC/RTGS CODE: SYNB0003583, SWIFT CODE: SYNBINBB032, BANK NAME: Syndicate Bank, BRANCH NAME: DCI LTD, Port Area Branch, Visakhapatnam- 530001.**
- 5.0 The tender shall be governed by the following terms and conditions:
 - 5.01 Tenders should be submitted in sealed cover duly superscribed page nos with the Tender No. and date addressed to **General Manager (Ops)/GMP-I, Dredging Corporation of India Ltd., Port Area, Visakhapatnam - 530 001**, so as to reach not later than 1500Hrs. on **29.09.2017**. Late tenders will not be considered. Local tenderers if so desired may deposit their Tender in the tender box provided for this purpose before due date and time. DCI is not responsible for postal delay.
 - 5.02 Offers submitted vide FAX/EMAIL shall not be considered.
 - 5.03 The tender shall be opened at 1530 Hrs. on the due date i.e. on **29.09.2017** in the presence of such tenderers who are present at that time to witness the opening of the bids.

- 5.04 All tenders must be absolutely clear and qualified failing which the same will not be considered.
- 5.05 All columns should be properly and legibly filled in and no column should be left blank. Any correction in the rates etc., should be duly attested by the Tenderer. Alterations not authenticated with attestation may result in rejection of tender. Prices should be quoted in Indian Rupees only.
- 5.06 Any revision of rates after opening of the tender will not be accepted.
- 5.07 The offer should be kept open for acceptance for three months (90 days) from the date of opening of the tender.
- 5.08 The supply of DLM/HVLM should accompany with Manufacturer's, Manual/ brochures etc., Hence, the charges if any may be specified, failing which it will be Presumed that the rates have been offered are inclusive of all above.
- 5.09 Only basic rates should be quoted. The terms of price, details of packing/ forwarding charges and any other charges should be clearly indicated separately, failing which will be presumed that the rates have been offered inclusive of all above charges.
- 5.10 GST as applicable shall be payable extra wherever applicable. The Percentage of GST prevailing should be indicated with HSN Code separately failing which it will be considered as the rates are inclusive of all taxes and duties. **We do not have Sales tax declaration form 'C' or 'D'**to issue.
- 5.11 Requirement of DLM/HVLM is very urgent thus the delivery term is essential. Hence delivery of the materials required strictly within **30 Days**from the date of purchase order. Please note that the tenderer who is in a position to deliver / supply the required DLM/HVLM with in the above specified period, their offer will only be considered.
- 5.12 The Party/Supplier should be responsible for installation and commission of the system on board DREDGE-XI. The place of installation, commission and satisfactory trials will be informed in later stage on supply of the system.
- 5.13 100% payment will be made within 30 days from the date of receipt of materials along with documentation in full subject to submission of invoice complete in all respects, after installation, commission and satisfactory trials of the system .
- 5.14 Make/Brand of the DLM/HVLM (materials) offered should be specified without fail. All Relevant Catalogue/Literatures should be submitted along with Tender.
- 5.15 The offers should be specify whether they are manufacturers, authorized Agents/dealers/ suppliers for the materials offered.
- 5.16 For patent items, Corporation reserves the right to demand submission of materials price Lists.
- 6.0 Samples whenever asked for should be made available for inspection by DCI officials.
- 7.01 Earnest Money Deposit will be refunded to the unsuccessful tenderers within 15 days after finalizing of tender.
- 7.02 The EMD will be forfeited in favour of Dredging Corporation of India Ltd., if the tenderer backs out after opening of tenders or after Corporation communicates its acceptance of offer/ quotation or if the tenderer modifies the tender after opening.
- 8.0 Performance Security: The EMD of Rs.41,000/- submitted by the successful renderer will be converted into security deposit and the same will be returned only after supply, installation, commissioning and satisfactory trails of the system on board.

- 9.0 After award of purchase order, if the supplier fails to complete in full or any part thereof within the prescribed delivery period, the Corporation reserves the right:
- A) To recover from the supplier, liquidated damages and not by way of penalty, a sum not less than 1% of the value of order or portion thereof which the supplier failed to complete as aforesaid, for each week or part of a week subject to maximum of 10% of basic material cost during which the completion of such order may be in arrears.
 - B) To cancel the order or portion thereof, and if so decided, to process a fresh order on alternative sources at the risk and cost of the supplier. The manner and method of such purchase shall be in entire discretion of the Corporation.
- 10.0 The bidders shall give an undertaking that they have not made any payment or illegal gratification to any person/authority connected with the bid process so as to influence the bid process and have not committed any offence under the prevention of corruption act in connection with the bid.
- 11.0 The bidders shall disclose any payments made or proposed to be made to any intermediaries (agents etc.) in connection with the bid.(Undertaking letter at annexure is attached).
- 12.0 The Corporation reserves all rights to accept or reject any tender in part or in full without assigning any reason thereof.
- 13.0 a) ARBITRATION AND JURISDICTION ARBITRATION: In the event of any question or dispute arising under these conditions of contract or in connection with this contract (except as to any matters the decision of which is specially provided for by those conditions), the same shall be referred to the award of an Arbitrator to be nominated by the reporter and an Arbitrator to be nominated by the contractor or in case of the said appointed by the arbitrators in writing within one month after the appointment by both the arbitrators and decision of the umpire appointed by them shall be final and conclusive and the provision of India Arbitration Act 1996 and of the rules, the retender and any statutory modification thereof, shall be deemed to apply to and be incorporated in this contract.
- b) LAWS GOVERNING THIS CONTRACT: This contract shall be governed by the laws of Union of India for the time being in force. All disputes arising out of or under the contract will be subject to the jurisdiction of the Courts of Visakhapatnam only.
- 14.0 Please furnish your Bank Account details for the purpose of releasing payments by Electronic Transfer.
- 15.0 The tender will be finalized on L1 basis.
- 16.0 Please sign on all the pages of this tender and submit as a token of your acceptance of the terms and conditions of the tender.

Thanking You,

Yours faithfully,
for DREDGING CORPORATION OF INDIA LTD.,

GENERAL MANAGER (OPS)/GMP-I

Encl: As above

I/We hereby confirm having read and understand all the terms and conditions of the tender and I/We agree to abide by them

Place:
Date:

Signature of Tenderer
(With Rubber Seal)

TECHNICAL SPECIFICATION OF THE DRAUGHT AND LOAD MONITORING (DLM) SYSTEM FOR INDIGENOUS DEVELOPMENT

Brief of the System :

The Draught and Load Monitoring (DLM) system is meant for measuring the forward & aft draught of the dredger with the help of hull mounted transducers specially designed for marine applications. Also the Hopper levels are measured with the help of echo based transducers installed diagonally opposite to each other on the hopper.

The signals of above in the form of 4-20 mA is fed to the main electronics installed in the panel mount rack panels for processing the signals to present the numerical and graphical display of load curve, Volume curve and Solids in the hopper with pre-user defined time scales. The presentation of the load & volume values are with respect to the design factors of the dredger. The complete time cycle of dredging, sailing & dumping time will be logged and presented on the screen of the display unit for the purpose of monitoring and a facility to print the data with graphical view at the user choice.

System main hardware :

The DLM system comprise of the following hardware :

- a) Hull mounted pressure transmitters installed in the specially designed transducer housings with isolation gate valves at fore & aft of the dredger
- b) Level transducer mounted on the top of the hopper at fore & aft diagonally.
- c) Signal conditioners for level transducers (Multi ranger)
- d) Panel mount main electronic system built in display unit & membrane key board
- e) Printer

Technical Specifications:

- a) Panel mount main electronics of draught & loading monitor (DLM) shall be a rugged, industrial PC based hardware of latest version with adoption cards built in color display & membrane key board.
- b) The signals of draught and level output ting from the existing transducers must be processed to display various parameters like load, volume, tons dry solids e.t.c per the pre-defined data according to the volume tables & stability booklet / careen diagram of the dredger. The displayed values must be in-line with the dredger design specifications. Any deviations to the original values will not be acceptable.
- c) Calculated values of load, volume & tons dry material (TDS) are to be displayed as curves in a diagram (Loading & unloading diagrams) as a function of time. Also to display the numerical data of hopper load, dead weight, hopper volume, mixture density, density of dry-solids , displacement , tons-dry solids in the hopper, draught of fore, aft & mean, levels of fore & aft of the hopper, time & date e.t.c.

- d) The system shall work with 220/230 V AC, 50 Hz, 1 phase from ship's main power supply.
- e) System to be provided with ventilators/ coolers for effective heat transfer.
- f) Facility of testing the hard ware to be available in the system. Test points with values for the measured variables are required to be incorporated in the software as a test page window.
- g) The signal processing must have the variable filtering values at the user description for the stabilization of the input/out put signals.
- h) The system must generate alarm/ diagnostic messages for user for corrective action.
- i) Facility to display the current time & date on every page/ window of the system.
- j) Facility to print any page/window of user selection
- k) Facility to store data of outputs like dredging cycle etc.
- l) The signals for draught & volume inputs to the system must have a hardware facility of zero & span adjustments for each channel for the purpose of calibration
- m) The system software should display the following pages to incorporate the system data of the dredger.
 - i) DLM draught sensor configuration with x,y&z parameters
 - ii) Level sensor data configuration with x,y&z parameters
 - iii) Calibration page for DLM draught sensors with range & zero calibration of the sensors
 - iv) Pre-defined data page for specific gravity of sea water, specific gravity of the dry-solids.
 - v) Hopper calibration window for empty hopper, hopper load with open doors & closed doors.
 - vi) Test page of variables & test facility of the system with manual inputting of signals for draught & levels
 - vii) Communication port configuration data page
- n) The processed and display data of DLM must be accurate & reliable.
- o) The new designed DLM main electronic unit must be suitable to install in the existing location.
- p) The system hardware shall be provided with two VGA port, Two serial communication ports & dedicated port for printer and USB facility to record data.
- q) System to be protective from dust, heavy shocks & vibrations, humidity, high temperature variations, severe marine & tropical conditions and electrical disturbances.

Installation &Commissioning :

The newly developed DLM electronic main panel as per the above technical specifications to be supplied , installed & commissioned on board DCI Dredge XI at the time of lay-up/ maintenance repairs of the dredger at any Indian port.

Certification : The system performance as per the above specified technical , operational and functional requirements will be certified after observing its performance for a period of one month from the commissioning of the system.

Guarantee:

The system is to be guaranteed for a period of one year from the date of issuing the satisfactory working of the system by the Master, DCI Dredge XI . During guarantee any failure occurs, the parts & services will be at free of charge.

Supply of Spares :

5 years maintenance spares will have to be supplied along with system.

Service support:

Services for the system maintenance will have to be guaranteed for a minimum period of 5 years.

Manuals & back-up software :

Three sets of operation & technical manuals along with one set of licensed back-up software DCs will have to be supplied.

FORM OF UNDERTAKING

(To be uploaded by the Bidder on his letter head during submission of bid online)

I / We,, Proprietor/Partner/Legal Attorney/Director/ Accredited Representative of M/S., solemnly declare that:

1. I/We am/are submitting bid for the..... against the Tender Notice No.dated and I/We offer to supply the items as per the term & conditions of the bid.
2. All information furnished by us in respect of fulfillment of eligibility criteria and qualification information of this Bid is complete, correct and true.
3. All copy of documents, credentials and documents submitted along with this Bid are genuine, authentic, true and valid.
4. I/ We hereby authorize department to seek references / clarifications from our Bankers.
5. I/We have submitted particulars of existing Sales Tax / VAT registration. We also undertake that Certificate of Registration with appropriate Sales Tax / VAT Authority where the work will be executed shall be arranged before any payment is made to us.
6. We hereby undertake that we shall register and obtain license from the competent authority under the contract labour (Regulation & Abolition Act) as relevant, if applicable.
7. I/We have not been banned or delisted by any Govt., or Quasi Govt. Agencies or PSUs

OR

I/We.....have been banned by the organization named “_____” for a period of..... year/s, effective from to.....

8. If any information and document submitted is found to be false/ incorrect at any time, Dredging Corporation of India Limited may cancel my/our Bid and action as deemed fit may be taken against me/us, including termination of the contract, forfeiture of all dues including Earnest Money and banning/ delisting of our firm and all partners of the firm etc.

Signature of the Bidder

Name of the Signatory.....

Date.....

UNDERTAKING LETTER

(Letter should be submitted on Company Letter Head duly Stamped & Signed)

I / We,, Proprietor/Partner/Legal Attorney/Director/ Accredited Representative of M/s., solemnly declare that:

1. I/We am/are submitting bid for the..... against the Tender Notice No.....dated and I/We offer to supply the items as per the term & conditions of the bid.
2. I/We undertake that I/We have not made any payment or illegal gratification to any person/authority connected with the bid process so as to influence the bid process and have not committed any offence under the prevention of corruption act in connection with the bid.
3. I/We declare that no payments are made or proposed to be made to any intermediaries (agents etc.) in connection with the bid.

Signature of the Bidder
Name of the Signatory.....
Date.....

ENCLOSURE TO TENDER NO. GMP-I/MAT/DR-XI/DLM/2017-18/5007, DATE:11.09.2017, DUE ON: 29.09.2017									
Sl. No.	ITEM DESCRIPTION	Deno.	Qty	HSN Code	Basic Price Rs. Ps	Discount	Taxable Value	Applicable GST	Total Amount Rs. Ps
1 (a)	Draught and Load Monitoring (DLM) system/Hopper Volume Level Monitor (HVLM) with all accessories as per the specifications at annexure-I attached with the tender	Set	01						
1 (b)	Inatallation & commission of the above system on board of the vessel with satisfactory trials at any Indian Seaport	Lumpsum							

1	Terms of Price:	Free Delivery to our Dredger-XI presently at Kochi (Kerala) or at any Indian Seaport
2	Discount:	
3	Applicable GST:	
4	Delivery Period:	Within 30 Days from the date of PO
5	Validity of offer:	90 Days from the date of opening of the tender
6	Payment Terms:	Within 30 days on receipt of materials on board our Dredger-XI at Kochi
7	Specify if any:	

I/We hereby confirm having read and understanding all the terms and conditions of the tender and I/We agree to abide by them.

Place:

Date :

Signature of Tenderer
(with Rubber Seal)