

**DREDGING CORPORATION OF INDIA LIMITED  
DREDGE HOUSE, H.B COLONY  
SEETHAMMADHARA  
VISAKHAPATNAM- 22  
NOTICE INVITING e-Tender (NIT)**

**NAME OF WORK:** TENDER FOR SUPPLY AND INSTALLATION OF MOBILE COMPACTORS/OPTIMIZERS AT DCI NEW AOB- REG



(TENDER NO.DCI/HR/06/C/08/FILE COMPACTORS/2021 DATED:  
10/02/2021)

JM(ELECT) GROUND FLOOR, DREDGE  
HOUSE, H.B COLONY MAIN ROAD,  
SEETHAMMADHARA,  
VISAKHAPATNAM- 530022.

INFORMATION AND INSTRUCTIONS FOR TENDERERS FOR e-TENDERING

DREDGING CORPORATION OF INDIA LIMITED INVITES ONLINE E TENDERS IN TWO BID SYSTEM I.E. TECHNICAL BID AND PRICE BID FROM THE REPUTED FIRMS IN THE FIELD OF SUPPLY AND INSTALLATION OF MOBILE COMPACTORS/OPTIMIZERS.

1	TENDER NO	DCI/HR/06/C/08/FILE COMPACTORS/2021 DATED: 10/02/2021
2	NAME OF WORK & LOCATION	SUPPLY AND INSTALLATION OF MOBILE COMPACTORS/OPTIMIZERS AT DCI NEW AOB
3	COST OF TENDER DOCUMENTS	Rs.270.00
4	EARNEST MONEY DEPOSIT	Rs.26,000.00
5	SECURITY DEPOSIT	5% Of the quoted value to be submitted by L-1 Party before placing the purchase order. The EMD of the successful tenderer will be converted as part of SD and the balance amount only need to be paid
6	PERIOD OF COMPLETION	120 Days
7	LAST DATE & TIME OF SUBMISSION OF BID,EMD	23.02.2021 at 15:00 hrs
8	DATE & TIME OF OPENING TECHNICAL BID	24.02.2021 at 15:30 hrs
9	Validity of the tender	120 days from the date of opening technical bids

1. Tender shall be submitted online only at CCPP website: <https://www.eprocure.gov.in> . Downloaded tenders (offline) shall not be accepted. Tenderers are advised to follow the instructions provided in the “Instructions to the tenderer for the e-submission of the bids online through the Central Public Procurement portal for e-procurement at <https://www.eprocure.gov.in>”. Aspiring Bidders/Suppliers who have not enrolled/registered before participating through the website <https://www.eprocure.gov.in> may do so. The portal enrolment is free of cost.
2. Tenderer can access tender documents on the website, fill them with all relevant information and submit the completed tender document into electronic tender on the website <https://www.eprocure.gov.in>.
3. Tenders and supporting documents should be uploaded through e-procurement portal. Hard copy of the tender documents will not be accepted.
4. All documents as per tender requirement should be uploaded online and further no documents will be accepted offline. Bidder not submitting any of the required documents online will summarily be rejected.
5. The Bid is to be submitted concurrently duly digitally signed in the website <https://www.eprocure.gov.in>.
6. The details of the EMD & Tender Document cost should be filled ONLINE.
  - a) EMD: The Tender must be submitted along with Earnest Money Deposit (EMD) for Rs.26,000/- (REFUNDABLE) by depositing the said amount into Dredging Corporation of India Limited, Current Account No: 35833070000014, IFSC/RTGS CODE: CNRB0013583, BANK NAME: Canara Bank, (Formerly Syndicate bank) BRANCH NAME: DCI LTD, Port Area Branch, Visakhapatnam- 530001.
  - b) TENDR DOCUMENT COST: The Tender must be submitted along with Tender document cost for Rs.270.00 (Rupees Two Hundred and Seventy only) by depositing the said amount into Dredging Corporation of India Limited, Current Account No: 35833070000014, IFSC/RTGS CODE: CNRB0013583, BANK NAME: Canara Bank (Formerly Syndicate Bank), Branch Name: DCI LTD, Port Area Branch, Visakhapatnam-530001.
7. All the bidders should submit the information in objective manner and uploaded documents should be verified to know whether correct document is uploaded or not. Scanned copy of the documents should be submitted online by the bidder while uploading the documents under Cover 1:

**List of Documents to be up loaded in e-tender within the last date of submission:**

1. Details of payment made online in DCI account towards cost of tender documents / EMD like UTR NO., Dated, etc or /Bank Guarantee of any Scheduled Bank.
2. Certificates of work experience.
3. Certificate of Financial Turnover from
4. Duly signed annexure with regard to details of relatives working in DCI/ illegal gratification, etc.
5. Copy of Certificate of registration for GST.
6. The contractor has to upload PAN card, Bank details for e payment, Firm's registration certificate, etc.

## ELIGIBILITY CRITERIA

- 1) Should have satisfactorily completed similar works as mentioned below during the last Seven years ending on the last date of submission of tender.
- 2) The firm should submit the copies of completion certificate issued by the offices of the client. The completion certificate must clearly indicate the following (originals shall be produced for verification).
  - i) The date of completion of work.
  - ii) Nature and value of the work.
  - iii) That the work has been completed satisfactorily.
  - iv) Work order value.
- 3) Should have had average annual financial turnover of Rs 4.78 Lakhs per year during the last three years ending 31<sup>st</sup> March 2020 (Scanned copy of Certificate from CA to be uploaded)
- 4) Should not have incurred any loss in more than two years during the last five years ending 31<sup>st</sup> March 2020.
- 5) The experience of having successfully completed similar work during the last seven years ending last month previous to the one in which applications are invited should be either of the following:
  - a) Three similar completed works costing not less than Rs.6.38lakhs each.  
OR
  - b) Two similar completed works costing not less than Rs.7.98lakhseach  
OR
  - c) One similar completed work costing not less than Rs. 12.76lakhs.

1. The intending bidder must read the terms and conditions of the tender carefully before submitting. They should only submit their bid if they consider them-self eligible and are in possession of all the documents required.
2. Information and Instructions for bidders posted on website shall form part of bid document.
3. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website [www.eprocure.gov.in](http://www.eprocure.gov.in) or [www.dredge-india.com](http://www.dredge-india.com).
4. The bid can only be submitted after deposition of EMD online in DCI account as per the details given at SL No.06 of information and instructions for tenderers for E- tendering or Bank Guarantee of any Scheduled Bank towards EMD in favour of Dredging Corporation of India Limited, Visakhapatnam-22 as per the details enclosed in the annexure.
5. The intending bidder must have valid class-III digital signature to submit the bid.
6. On opening date, the contractor can login and see the bid opening process.
7. Contractor can upload documents in the form of JPG format and PDF format.
8. **Certificate of Financial Turn over:** At the time of submission of bid contractor may upload Affidavit/Certificate from CA mentioning Financial Turnover of last 3 years or for the period as specified in the bid document and further details if required may be asked from contractor after opening of technical bids. There is no need to upload entire voluminous balance sheet.
9. Contractor must ensure to quote rate of each item. The column meant for quoting rate in figures appears in pink colour and the moment rate is entered, it turns sky blue. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO).  
However, if a tenderer quotes nil rates against each item in item rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
10. The Technical bid shall be opened first on due date and time as mentioned above. The time and date of opening of financial bid of contractors qualifying the prequalification bid shall be communicated to them at a later date.

11. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
12. If it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid.
13. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/registrations or proof of applying for obtaining licenses, etc. if required. The letter of award shall be issued to the lowest contractor only. No Running Account Bill shall be paid.
14. The following authorization from manufacturer shall be made available by the bidder along with submission of the performance guarantee:-
  - i) Authorization for providing service support for the equipment quoted by the party during the defect liability period.
  - ii) They will provide the technical support / service for the equipment proposed to be installed in DCI.
  - iii) Certificate from manufacturer that the models quoted are in regular production and will not become obsolete for at least next five years.

**DREDGING CORPORATION OF INDIA LIMITED**  
**E- TENDER NO.DCI/HR/06/C/08/FILE COMPACTORS/2021 DATED:**  
**10/02/2021)**

Dredging Corporation of India Limited, Dredge House, H.B Colony Main Road, Seethammadhara, Visakhapatnam- 530022 invites online e-tenders in two bid system i.e. Technical Bid and Price Bid from the specialized firms in the field of SUPPLY AND INSTALLATION OF MOBILE COMPACTORS/OPTIMIZERS AT DCI NEW AOB  
**NAME OF WORK:** SUPPLY AND INSTALLATION OF MOBILE COMPACTORS/OPTIMIZERS AT DCI NEW AOB, H.B Colony Main Road, Visakhapatnam- 530022

Intending bidders are eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below:-

Criteria of eligibility for submission of bid documents Conditions.

As per **INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR ETENDERING**

To become eligible to participate in the bid, the bidders shall have to furnish an affidavit as under:-

I/We undertake and confirm that eligible similar works (s) has/ have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Corporation, then I / we shall be debarred for bidding in future forever. Also, if such a violation comes to the notice of Corporation before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit / Performance Guarantee.

(Scanned copy to be uploaded at the time of submission of bid)

1. The time allowed for carrying out the work will be 120 days from the date of Date of receipt of purchase order.
2. Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground, availability of space for installation of the compactors/ optimizers based on the specifications given in this tender, etc ,the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidder shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be executed and local conditions and other factors having a bearing on the execution of the work.
3. Dredging Corporation of India Limited does not bind itself to accept the lowest or any Other bid and reserves to itself the authority to reject any or all the tenders received without assigning any reason. All bids in which any of the prescribed condition is not



fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.

4. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
  
5. This notice inviting Tender and complete tender documents shall form a part of the contract document. The successful bidder/contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of :-
  - (i) The Notice Inviting Tender, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender as uploaded at the time of invitation of tender and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
  
6. In case any discrepancy is noticed between the documents as uploaded at the time of submission of the bid online and hard copies as submitted physically, then the bid submitted shall become invalid and DCI shall, without prejudice to any other right or remedy, be at liberty to forfeit earnest money as aforesaid. Further the tenderer shall not be allowed to participate in the retendering process of the work.

## **SECTION I**

### **GENERAL AND COMMERCIAL CONDITIONS**

#### **1.0 GENERAL**

This specification covers manufacture, testing as may be necessary before dispatch, delivery at site, all preparatory work, assembly and installation, commissioning putting into operation of **mobile compactors/optimizers**

Location: The proposed Provision of above system at Dredge House, H.B Colony Main Road, Seethammadhara, Visakhapatnam-22.

The tenderer should, in its own interest, visit the site and get familiarized with the site conditions before tendering.

No Tools and Plants shall be issued by the Corporation and nothing extra shall be paid on account of this.

#### **2.0 TERMS OF PAYMENTS**

Payment will be made only after completion of the work and on acceptance by DCI and on submission of invoice, etc. within 30 days thereafter.

#### **3.0 RATES**

No foreign exchange shall be made available by DCI for importing (purchase) of equipments, plants, machinery, materials of any kind or any other items required to be carried out during execution of the work. No delay and no claim of any kind shall be entertained from the Contractor, on account of variation in the foreign exchange rate.

The rates quoted by the tenderer, shall be firm and inclusive of all taxes (including works contract tax), GST, octroi, entry tax, duties and levies and all charges for packing forwarding, insurance, freight and delivery, installation, testing, commissioning etc at site i.e. temporary constructional storage, risks, overhead charges, general liabilities/obligations and clearance from local authorities.

#### **4.0 COMPLETENESS OF TENDER**

All sundry equipments, fittings, unit assemblies, accessories, hardware items, foundation, foundation bolts, painting and all other items which are useful and necessary for efficient assembly and installation of equipment and components of the work shall be deemed to have been included in the tender irrespective of the fact whether such items are specifically mentioned in the tender documents or not.

## **5.0 CARE OF THE BUILDING**

Care shall be taken by the contractor while handling and installing the various equipments and components of the work to avoid damage to the building. He shall be responsible for repairing all damages and restoring the same to their original finish at his cost. He shall also remove at his cost all unwanted and waste materials arising out of the installation from the site of work.

## **6.0 COMPLETION PERIOD**

The completion period indicated in the tender documents is for the entire work of planning, designing, approval of drawings etc., arrangement of materials & equipments, delivery at site including transportation, installation, testing, commissioning and handing over of the entire system to the satisfaction of the Engineer - in-charge.

## **7.0 GUARANTEE**

All equipments shall be guaranteed for a minimum period of 12 months, from the date of taking over the installation by DCI, against unsatisfactory performance and/or break down due to defective design, workmanship or material. The equipments or components, or any part thereof, so found defective during guarantee period shall be forthwith repaired or replaced free of cost, to the satisfaction of the Engineer-in- Charge. In case it is felt by DCI that undue delay is being caused by the contractor in doing this, the same will be got done by other source at the risk and cost of the contractor. The decision of the Engineer-in-charge in this regard shall be final & binding on the contractor.

The tenderer shall guarantee among other things, the following:

- (a) Quality, strength and performance of the materials used as per manufacturers standards.
- (b) Safe mechanical and electrical stress on all parts under all specified conditions of operation.
- (c) Satisfactory operation during the maintenance period.

## **8.0 POWER SUPPLY/ WATER SUPPLY**

Power and water supply will be arranged by DCI at the site at free of cost for installation, testing purpose Contractor will take due care to ensure safety of electrical installation during execution of work.

**9.0** The successful tenderer should furnish well in advance three copies of detailed instructions and manuals of manufacturer's for all items of equipments regarding installation, adjustments, operation and maintenance including preventive maintenance & trouble shooting together with all the relevant data sheets, spare parts catalogue etc. all in triplicate.

## **10.0 EXTENT OF WORK**

The work shall comprise of entire labour including supervision and all materials necessary to make a complete installation and such tests and adjustments and commissioning, as may be required by

DCI. The term complete installation shall not only mean major items of the plant and equipments covered by specifications but all incidental sundry components necessary for complete execution and satisfactory performance of installation with all layout charts whether or not those have been specifically mentioned in bill of quantity in the tender document. However, major equipment not covered in the scope of the work and required subsequently as an additional feature, not covered in the contract specifications, shall be paid extra. The decision of the engineer-in-charge in the matter shall be final and binding upon the contractor.

## **11.0 INSPECTION AND TESTING**

Copies of all manufacturers' routine and type test, certificates of the equipments shall be furnished to DCI

## **12.0 INDEMNITY**

The successful tenderer shall at all times indemnify the DCI, consequent on this works contract. The successful tenderer shall be liable, in accordance with the Indian law and regulations for any accident occurring due to any cause and the contractor shall be responsible for any accident or damage incurred or claims arising there from during the period of erection, construction and putting into operation the equipments and ancillary equipment under the supervision of the successful tenderer in so far as the latter is responsible. The successful tenderer shall also provide all insurance including third party insurance as may be necessary to cover the risk. No extra payment would be made to the successful tenderer on account of the above.

## **13.0 ERECTION TOOLS**

No tools and tackles either for unloading or for shifting the equipments for erection purposes would be made available by the corporation. The successful tenderer shall make his own arrangement for all these facilities.

## **14.0 COOPERATION WITH OTHER AGENCIES**

The successful tenderer shall co-ordinate with other contractors and agencies engaged in the construction of buildings, if any, and exchange freely all technical information so as to make the execution of this work/contract smooth. No remuneration should be claimed from DCI for such technical cooperation. If any unreasonable hindrance is caused to other agencies and any completed portion of the work has to be dismantled and re-done for want of cooperation and coordination by the tenderer during the course of work, such expenditure incurred will be recovered from the successful tenderer if the restoration work to the original condition or specification of the dismantled portion of the work was not undertaken by the tenderer himself.

**15.0** The work will be carried out with least disturbance during shifting & shut down taken in consultation with the client department.

## **16.0 INSURANCE AND STORAGE**

All consignments are to be duly insured up to the destination from warehouse at the cost of the contractor. The insurance coverage shall be valid till the equipment is handed over duly installed, tested and commissioned.

## **17.0 VERIFICATION OF GENUINENESS & CORRECTNESS OF EQUIPMENT AT DESTINATION**

The contractor shall have to produce all the relevant records to certify that the genuine equipments from the manufacturers has been supplied and erected.

## **18.0 TRAINING**

The scope of works includes on the job technical training of two or more persons of DCI at site. Nothing extra shall be payable on this account.

## **19.0 QUALITY ASSURANCE:**

All the materials to be used in the work shall be new and of good quality and shall be got approved from the Engineer-in-Charge before use at site. The equipment shall be not older more than 6 months from the date of receipt at site or year of manufacturing should be current. The equipment shall be procured directly from the manufacturer or authorized dealer and delivery Challan /invoice/ proof of dispatch of material of the Agency from where the material is purchased in support of genuineness of material shall be submitted along with bill for verification. Manufacturer test certificates of all the equipment and material shall be submitted along with supply.

## **20. ARBITRATION:**

In case of dispute between DCI and the contractor for contract up to Rs.10 Crores, the issue will be referred to Chief General Manager (CGM), Dredging Corporation of India Limited and the decision of CGM, shall be final, conclusive and binding on all the parties and the contract upon all question relating to the meaning of the specifications, designs, drawings and instructions and as to the quality of workmanship, or materials used on the work or any matter arising out or relating to the specifications and instructions concerning the works or the execution or failure to execute the same arising during the course of work. The above shall not be subjected to arbitration and in no case shall the works be stopped consequent on such a dispute arising and the work shall also be carried out by the contractor strictly in accordance with the instructions of CGM.

Any dispute or difference arises between the DCI and the Contractor in connection with the contract or as to the rights and liabilities of the parties hereto, other than those referred to in above or on matters which are stated to be final and binding on the contractor shall be referred to the arbitration by a sole Arbitrator, as per the provisions of the Arbitration and Conciliation Act 1996 and the award of the sole Arbitrator shall be final and binding upon the parties hereto, subject to the provisions of the Arbitration and Conciliation Act 1996.

The arbitrator shall give a reasoned award and it shall be in accordance with the provisions of the Arbitration and Conciliation Act 1996 or any statutory modifications or reenactment thereof. The venue of the Arbitration shall be Visakhapatnam and the courts at Visakhapatnam shall have exclusive jurisdiction on all the matters with reference to this contract.

**21.0** The tenderer will furnish a certificate that he is not related to any officer of Dredging Corporation of India Limited or any officer of the rank of Asst. Secretary or above in the ministry of Shipping, Government of India. The tender should give a declaration along with their tender about the names of the relatives, who are employed in Dredging Corporation of India Limited. Pro-forma of declaration attached. (Pro-forma -I).

**22.0** The tenderer 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 Prevention of Corruption Act in connection with the Bid process (Pro-forma-II) The tenderer shall disclose any payments made or proposed to be made to any intermediaries (agents) in connection with the bid (Pro-forma-II)

**23.0** In case the tenderer fails to execute and complete the works within the stipulated period, liquidated damages @ 1% per week or part thereof up to a maximum of 10% of the contract value for delay in the completion of work will be levied on the value of the balance work to be completed as per work order for non-completion of the work.

**24.0** The bidder should mention make, model Number ,etc. for each equipment or item for which they have submitted their offer. The details should be submitted along with the technical Bid.

**25.0** In the event of any breach of contract on the part of contractor, the corporation reserves the right to forfeit the entire performance security in favour of the corporation. Corporation also reserves the right to get the balance work executed by some other source at the risk and cost of the tenderer.

**26.0** OEM Authorisation required.

**27.0** The tenderer should have service centre at Visakhapatnam.

## SECTION 2

### PART-I: TECHNICAL SPECIFICATIONS FOR SUPPLY AND INSTALLTION OF MOBILE COMPACTORS/OPTIMIZERS

**MAKE** - Godrej & Methodex only to be submitted

#### **2. Main Body:**

##### **2.1. Construction:**

Rigid Knock Down construction made out of 0.8 thick. CRCA Steel conforming to IS: 513 Gr.D. Each body block (SS/SL/TM) building consists of 1 Main unit & then Add-on units (0, 1, 2, 3, 4 - depending on no. of bays 1, 2, 3, 4 & 5). Each unit has 5 loading levels formed by 5 nos. adjustable shelves.

Body units are bolted to undercarriage.

Optimizer Height from ground is 2080 mm (1980 body + 65 under-structure + 35 channel system).

##### **2.2. Size:**

Description	Depth(mm)	Width (mm)	Height(mm)	Height with Undercarriage & Rails (mm)
Optimizer 15"	381	915	1980	1980+65+35=2080

#### **3. Finish:**

The bodies including shelves are given anti-rust surface treatment & are powder coated with epoxy polyester powder. It involves an 8 step treatment consisting of Hot water rinse, Knock off degreasing, degreasing, cold water rinse I & cold water rinse II, iron phosphating, cold water rinse, passivation & dry off oven treatment. Final finish consists of epoxy polyester powder coating of approved color & shade with a Dry Film Thickness of minimum 60(+/-5) microns. The testing of paint is done for various physical & chemical properties as per IS: 101. The material is then oven baked with a controlled temperature of 180 deg. C to 200 deg. C.

#### **4. Shelf:**

##### **4.1. Construction:**

It is made of 0.8 thk CRCA steel conforming to IS: 513 Gr.D or DD. Shelves are having 10 bends & its max load bearing capacity is 60-80 Kg uniformly distributed per shelf for P1 Type of Configuration. Please refer to the chart mentioned below giving breakup of allowable UDL per shelf as per different configurations.

Shelves are mounted on support brackets & shelf level can be adjusted at approx. 25.4 pitches. There are 4 adjustable shelves per body giving 5 loading levels, if no Cradle pair is provided.

##### **2. Size:**

Shelf Depth for various options:

Unit Depth(mm)	Shelf Depth (With Hinge Doors/ No Doors) (mm) 381
381	352
457	428

Box Files (our Box file size is 275 mm Wide x 345 mm High x 90 mm Thick) can be accommodated in both 381mm and 457mm deep units.

**5. Allowable safe load per shelf in a given configuration:**

Safe Shelf load will be determined from the load carrying capacity of under-structure and the UDL carrying capacity of the shelf. (Minimum of the two). It is tabulated below for all 6 configurations.

Configuration	Block Type	Total no. of loading levels per under - structure	Allowable UDL per shelf in Kg
P1	SS1/SL1	5	80
	TM 1	10	60
P2	SS2/SL2	10	60
	TM 2	20	30
D2	SD2/LD2	10	80
	TD2	20	60
D3 WITH 2 RAILS	SD3/LD3	15	80
	TD3	30	40
D3 WITH 3 RAILS	SD3/LD3	15	80
	TD3	30	53
D4	SD4/LD4	20	80
	TD4	40	40
D5	SD4/LD4	25	80
	TD5	50	40



## **6. Optional Accessory:**

### **6.1 File Cradle Pair:**

For Storing Instadex File pockets (2 sizes, big one for 457 deep units & small one for 381 deep units), Cradle pair can be provided in the 457mm deep body & also in 381mm deep body (for A4 size docket only) as per the requirement of the customer. It consists of 'Z' angle 1.0 mm Thick sheet & pipe of ½" Dia. There will be 5 pairs per body making 5 levels, if no shelf is provided.

## **7. Undercarriage:**

### **1. Construction:**

The Undercarriage is a welded frame made of HR sheet 2 & 3.15 mm thick conforming to IS: 1079 suitably fabricated to take the loads based on configuration.

### **2. Size:**

Sizes of Undercarriage:

Single Static / Last - 915 x (no. of bays) (Width) X 457 / 381 (Depth) X 65 (Height)  
Twin Mobile - 915 x (no. of bays) (Width) X 915 / 762 (Depth) X 65 (Height)

### **External Load carrying capacity per under-structure:**

PUSH-PULL/ MANUAL TYPE (Configuration - Type P1 & P2) - 600 Kg. Maximum  
DRIVE TYPE (Configuration - Type D2 & D3 with 2 Channels) - 1200 Kg. Maximum.  
DRIVE TYPE (Configuration - D3 with 3 Channels & Type D4) - 1600 Kg. Maximum.  
DRIVE TYPE (Configuration - Type D5) - 2000 Kg. Maximum.

### **7.3. Finish:**

The undercarriage, after pre-treatment, is coated with final finish consisting of epoxy polyester powder coat of approved color & shade with a Dry Film Thickness of minimum 40 microns.

## **8. Movements of the System:**

### **8.1. Push-Pull Configuration (TYPE-P1/TYPE-P2):**

Movement of units achieved by pushing or pulling Chrome plated 'C' handle fitted onto 1.6 mm thk plate (mounted on each double & single movable units) & rigidly fixed at suitable height on body side. Each movable undercarriage has 4 nos. of anti-friction ball bearings for rolling onto channels & 4 nos. of anti-friction ball bearings for guiding between channels & 'J' section.

### **8.2. Drive Type Configuration (Type D2 / Type D3 / Type D4 / Type D5):**

The movement of units is achieved mechanically through a PU Drive wheel and 'Sprocket-Chain-Tensioner' arrangement mounted rigidly onto body side. The torque from hand wheel is transfer to drive shaft via sprocket chain arrangement.

**For D2 / D3 with 2 Channels**, each movable undercarriage is provided with 2 Rollers on the shaft for driving, 2 anti-friction ball bearings for rolling and 4 anti-friction ball bearing for guiding between rails.

**For D3 with 3 Channels / D4**, each movable undercarriage is provided with 3 rollers on the shaft for driving, 3 anti-friction ball bearings for rolling and 4 anti-friction ball bearings for guiding between rails.

**For D5**, each movable undercarriage is provided with 4 Rollers on shaft for driving, 4 anti-friction ball bearings for rolling and 4 anti-friction ball bearings for guiding between rails.

The effort required is about 0.07 times of the total load movements for a single bay. The drive arrangement is covered by a 0.8 mm thk. HR sheet Cover fixed onto the body side occupying additional space of 74.5 mm.

The PU Drive wheel is rigidly fixed at suitable height on body side & projects out of cover by another 99.0 mm.

## **9. Fittings:**

### **1. Centralized Locking:**

A Centralized locking arrangement is provided through Locking Stiffener mounted onto back of Single Last unit so that it gets locked on channels when all the units are brought together. The Recess handle lock is of Godrej make & placed at suitable height. This arrangement occupies a space of 90.0 mm.

When the last unit is Twin Movable, hinged doors are provided for the end bodies; so in this case locking stiffener is mounted onto drive unit cover and with tile fascia option, it will be mounted in the recess of vertical trim.

Each Drive type units have Locking Knob near the Drive wheel for manual locking of individual units when a person is using those units. Knob shall be rotated to unlock position when units are to be moved.

After the unit is moved, before entering into aisle for accessing, this knob shall be rotated to lock position. End stoppers are provided at the end of channels to prevent derailment.

### **2. Fasteners:**

The nuts & bolts are galvanized / blackodized / Zn Plated.

### **3. Rails / Guide Channels:**

It consists of 'J' section 2 mm thk HR sheet & 25 mm Square bright bar - both connected by screws.

Prior to the embedding of the guide channels with the help of rawl plug & screw, the ground has to be in properly leveled condition.

### **4. Label Holder:**

Made from 2mm thk clear transparent Acrylic sheet & having outer dimension of 200mmX120 mm

### **Fascia (Tiling) option (for drive type only):**

3 Tile pattern fascia option on Drive side panel.

3 Tile pattern fascia option on Non-Drive side panel.

3 Tile pattern fascia option on Back panel of single last.

3 Tile pattern fascia option on back panel of single static.

3 Tiles are held together through stiffeners & fasteners in 2 vertical metal trims (0.8 CRCA). Tiles can be metal with fabric or pre laminated twin board finish. Option of metal perforated Tile at bottom only. It occupies 76.0 mm over the unit panel. The P.U. Drive wheel is rigidly fixed at suitable height on body side & project out of Tile by another 97.5 mm. Fixed unit also has Tiles but without wheel and drive arrangement.

### **9.6. Aisle Space:**

Generally, for comfortable movements, the clear aisle space kept on the Handle / Drive Wheel side is around 915mm. Also, the aisle for comfortable accessing of inside of units, when rolled apart is around 915mm.

Create the aisle space between the required units by moving them one by one & not together

### **10. Weights:**

Dead Weight of the system: (These are Nominal Weights. The Exact Weights may differ slightly. This is Only for Internal Purpose from Loading Point of view)

(Total external load & dead weight is spread on 2/3/4 channels placed at a distance apart)

- Body Weights:

Body with shelves but without doors	Body type	Depth Options	
		Optimizer15",381mm (SS/SL) 762mm (TM)	Optimizer18",457mm,(SS/S L)76mm 915mm (TM)
SS/SL	MAIN	43KG	43KG
	ADD-ON	39KG	43KG
TM	MAIN	74KG	83KG
	ADD-ON	65KG	72KG

- **Hinge Door: 18 Kg**
- **Undercarriage & other fittings:**

Type Description	Symbol	Under-Structure Size: W x D x H (mm)	Weight (Kg)
Single Static-Push-pull, 1 Bay (U/S + Fittings)	SS1	915 x 381 x 65	9
		915 x 457 x 65	10
Single Static-Push-pull, 2 Bay (U/S + Fittings)	SS2	1830 x 381 x 65	15
		1830 x 457 x 65	16
Twin Mobile - Push-pull, 1 Bay (U/C + Fittings + Handle)	TM1	915 x 762 x 65	20
		915 x 915 x 65	22
Twin Mobile - Push-pull, 2 Bay (U/C + Fittings + Handle)	TM2	1830 x 762 x 65	30
		1830 x 915 x 65	33
Single Last - Push-pull, 1 Bay (U/S + Fittings + Handle)	SL1	915 x 381 x 65	15
		915 x 457 x 65	16
Single Last - Push-pull, 2 Bay (U/S + Fittings + Handle)	SL2	1830 x 381 x 65	22
		1830 x 457 x 65	24
Single Static-Drive Type, 2 Bay (U/C + Fittings + cover)	SD2	1830 x 381 x 65	21
		1830 x 457 x 65	22
Single Static-Drive Type, 3 Bay (U/C + Fittings + cover)(2/3 Rails options)	SD3	2745 x 381 x 65	31
		2745 x 457 x 65	32

Single Static-Drive Type, 4 Bay (U/C + Fittings + cover)	SD4	3660 x 381 x 65	41
		3660 x 457 x 65	43
Single Static-Drive Type, 5 Bay (U/C + Fittings + cover)	SD5	4575 x 381x 65	51
		4575 x 457 x 65	53
Twin Mobile - Drive Type, 2 Bay (U/S+ Fittings + Drive +Cover)	TD2	1830 x 762 x 65	56
		1830 x 915 x 65	59
Twin Mobile -Drive Type, 3 Bay 2 Rails (U/S + Fittings +Drive + Cover)	TD3	2745 x 762 x 65	67
		2745 x 915 x 65	70
Twin Mobile -Drive Type, 3 Bay 3 Rails (U/S + Fittings + Drive + cover)	TD3	2745 x 762 x 65	80
		2745 x 915 x 65	83
Twin Mobile -Drive Type, 4 Bay (U/S + Fittings + Drive + cover)	TD4	3660 x 762 x 65	94
		3660 x 915 x 65	97
Twin Mobile - Drive Type, 5 Bay (U/S+ Fittings + Drive +Cover)	TD5	4575 x 762 x 65	121
		4575 x 915 x 65	124
Single Last - Drive Type, 2 Bay (U/S + Fittings + Drive + cover)	LD2	1830 x 381 x 65	41
		1830 x 457 x 65	43
Single Last - Drive Type, 3 Bay 2 Rails (U/S + Fittings + Drive + cover)	LD3	2745 x 381 x 65	51
		2745 x 457 x 65	53
Type Description	Symbol	Under-Structure Size: W x D x H (mm)	Weight (Kg)
Single Last-Drive Type, 3 Bay 3 Rails (U/S + Fittings+ Drive + Cover)	LD3	2745 x 381 x 65	64
		2745 x 457 x 65	66
Single Last - Drive Type, 4 Bay (U/S + Fittings + Drive + Cover)	LD4	3660 x 381 x 65	74
		3660 x 457 x 65	76
Single Last - Drive Type, 3 Bay (U/C + Fittings + Drive + Cover)	LD5	4575 x 381 x 65	96
		4575 x 457 x 65	98

**Locking Stiffener : 7 Kg**

**Rail / Channel Pair : 15 Kg per 3 feet**  
**Set of 3 Rails / Channels : 23 Kg per 3 feet**  
**Set of 4 Rails / Channels : 30 Kg per 3 feet**  
Fascia (Tiling) option:

Tile Option	Description	Depth(mm)	Wt.(Kg)
Metal Tile with Fabric	Plain & Drive side Tile & Trim Set for SD/LD	381	10
	Plain & Drive side Tile & Trim Set for SD/LD	457	10
	Plain & Drive side Tile & Trim Set for TD	762	15
	Plain & Drive side Tile & Trim Set for TD	915	17
	Back Tile & Trim Set	--	17
Wooden Tile	Plain & Drive side Tile & Trim Set for SD/LD	381	11
	Plain & Drive side Tile & Trim Set for SD/LD	457	11
	Plain & Drive side Tile & Trim Set for TD	762	16
	Plain & Drive side Tile & Trim Set for TD	915	18
	Back Tile & Trim Set	--	18

## BILL OF QUANTITIES

Sl.No.	Department	Description	Qty	Basic cost each	Total Basic	GST Amount	Total
1	Material (12feet Length) (915 mm W x 381mm D x 1980mm H)	SS1-Single Static 1 Bay Push Pull Type	1				
		TM1-Twin Mobile 1Bay Push Pull Type	2				
		SL1-Single Last 1 Bay Push Pull Type	1				
		CHANNELS - 6 feet ( P1/P2 /D2/ (D3 with 2 rails) (required as per site conditions)	2				
2	Technical (12 feet Length) (915 mm W x 381mm D x 1980mm H)	SS1-Single Static 1 Bay Push Pull Type	1				
		TM1-Twin Mobile 1Bay Push Pull Type	2				
		SL1-Single Last 1 Bay Push Pull Type	1				
		CHANNELS - 6 feet ( P1/P2 /D2/ (D3 with 2 rails) (required as per site conditions)	2				
3	HR (9 feet Length) (3 Bay.) (915 mm W x 381mm D x 1980mm H)	SD3-Single Static Drive Cover Unit 3 Bay	1				
		LD3-Single Last Drive Unit 3 Bay	1				
		TD3-Twin Mobile Drive Unit 3 Bay	1				
		CHANNELS - 9 feet ( P1/P2 /D2/ (D3 with 3 rails) (required as per site conditions)	1				
4	Vigilance Office (12 feet Length) (915 mm W x 381mm D x 1980mm H)	SS1-Single Static 1 Bay Push Pull Type	1				
		TM1-Twin Mobile 1Bay Push Pull Type	3				
		SL1-Single Last 1 Bay Push Pull Type	1				

		CHANNELS - 9 feet ( P1/P2 /D2/ (D3 with 2 rails)	1				
		CHANNELS - 3 feet ( P1/P2 /D2/ (D3 with 2 rails) (required as per site conditions)	1				
5	Marketing (12 feet Length) (915 mm W x 381mm D x 1980mm H)	SS2-Single Static 2 Bay Push Pull Type	1				
		TM2-Twin Mobile 2 Bay Push Pull Type	2				
		SL2-Single Last 2 Bay Push Pull T	1				
		CHANNELS - 9 feet ( P1/P2 /D2/ (D3 with 2 rails)	1				
		CHANNELS - 3 feet ( P1/P2 /D2/ (D3 with 2 rails) (required as per site conditions)	1				
6	Operation (12 feet Length) (3 Bay)	SD3-Single Static Drive Cover Unit 3 Bay	1				
		LD3-Single Last Drive Unit 3 Bay	1				
		TD3-Twin Mobile Drive Unit 3 Bay	3				
		CHANNELS - 9 feet ( P1/P2 /D2/ (D3 with 3 rails)	1				
		CHANNELS - 6 feet ( P1/P2 /D2/ (D3 with 3 rails) (required as per site conditions)	1				
7	CGM Sectt. (9.6 feet Length)	SS2-Single Static 2 Bay Push Pull Type	1				
		TM2-Twin Mobile 2 Bay Push Pull Type	2				
		CHANNELS - 9 feet ( P1/P2 /D2/ (D3 with 2 rails) (required as per site conditions)	1				
		HD-Hinge Door Pair	1				

**NOTE:**

The items mentioned are required for installation of Mobile Compactors/Optimizers at DCI, AOB, Dredge House, H.B Colony Main Road, Seethammadhara, Visakhapatnam- 22.

The tenderer should take into consideration the equipment/ materials required for installation of Mobile Compactors/Optimizers and its related works/ materials required for completing the project in all respects other than the items mentioned in this SCOPE OF WORK also, if any.

The lowest quoted party (L1) Will be identified based on the overall lowest for all the items in the BOQ put together

The corporation may place order for procurement of the above items in a staggered manner within the tender validity period.

## FORM OF BANK GUARANTEE BOND FOR SECURITY DEPOSIT.

(To be executed on Rs. 100/- Non-judicial stamp paper)

In consideration of dredging Corporation of India Limited, a Company incorporated under the company Act 1956 and having its registered office at Core-2, Floor, Scope miner, plotNo.2A & 28, Laxmi Nagar District centre, Delhi-110091 (herein after called the DCI having agreed to exempt. M/s. ----- (indicate name & full address of the tenderer ) (hereinafter called the said "Tenderer")From payment under the terms and conditions of the tender dated.-----No.-----made between the DCI. And the tender for -----(here in after called the said "tender") of earnest money deposit in cash for the due fulfilment by the said tenderer of the terms and conditions contained in the said tender on production of a bank Guarantee for Rs.------(Rupees.-----Only).

1. We ----- (indicate the name of bank) (here in after referred as the bank) at the request of M/s.----- the said tenderer do here by undertaking to pay to the DCI an amount not exceeding Rs.----- against any loss or damage caused to or suffered or would be caused to or suffered by the DCI by reason of any breach by the said tenderer of any of the terms of conditions contained the said tender.

2. We ----- do here by undertaking to pay the amounts due and (indicate the name of Bank) -----Payable under this guarantee without any demur, merely on a demand from the DCI stating that the amount claimed is due by way of loss or damage caused to or damage caused to or said tenderer of any of the terms or conditions contained in the said tender. Any such demand made on the bank shall be conclusive as regards the mounts due and payable by the bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs,

3. We undertaking to pay to the DCI any money so demanded not withstanding any dispute or disputes raised by the said tenderer in any suit or proceeding pending before any course or Tribunal relating thereto our liability under this present being absolute and unequivocal. The payment made by us under this bond shall be valid discharged of our liability for payment there under mind the said tenderer shall have no claim against us for making such payment.

4. We----- (indicate the name of bank) Further agree that the guarantee here in contained, 1 all remain in full force and effect during the period that would be taken for the performance of the said tender and that it shall continue to be enforceable ill all the dues of the performance of the OCI under off by virtue of the said tender have been fully paid and



its claim satisfied or discharged for till the DCI certifies that the terms and conditions of the said tender have been fully and properly carried out by tile said tender and accordingly discharged this guarantee. Unless a demand of claim under this guarantee is made on I/s in written on or before -----, we shall be discharged from nil liability under this guarantee thereafter.

5. We -----( indicate the further agree that the DCI shall have the fullest liberty without our consent and with our affecting in any manner our obligations here under to vary any of the terms and conditions of the said tender or to extend time to time any of the terms and conditions relating to the said tender by the DCI against to the said tenderer and to forbear or enforce any of the terms and reason of any such variation or extension being granted to the said tenderer of for any forbearance, act or omission on the pan the DCI or any indulgence by the DCI to the said tenderer or by any such matter or thing whatsoever which under the law relating to sureties would, but ( or this provision, have effect of so relieving us.

6. This guarantee will not be discharged to the change in the condition of the bank or the tenderer.

7. We, ----- (indicate the name of bank) lastly undertake not to revoke this guarantee during its currency expect with the previous consent of the DCI in writing.

Date the ----- day of ----- 2009

For ----- (indicate the name of bank)

**PROFORMA FOR BANK GUARANTEE FOR EARNEST MONEY DEPOSIT**

**(TO BE EXECUTED ON NON-JUDICIAL STAMP PAPER WORTH OF. Rs 100/.)**

To

The Dredging Corporation of India Ltd,  
“Dredge House “, H.B Colony,  
Main Road, Seethammadhara,  
Visakhapatnam :-530022

Whereas -----(indicate name &full address of the tenderer) (here in after called the “tenderer “) has submitted its tender dated ----- for the Execution of ( Name of work) In favour of DREDGING CORPORATION IF INDIA LIMITED, Dredge House, H.B Colony Main Road , Seethammadhara, Visakhapatnam-22 (here in after called the “corporation”).

Know all men by these present that we,

(Bankers full address)(here after called “bank”) are bound unto the corporation for the sum of Rs. xxxxxxxx(Rupees only ) for which payment will and truly to be made to the said corporation, the bank binds itself its successors and assigns by these present.

THE CONDITIONS of this obligation are:

If the tenderer withdraws his tender

(a)During the period of validity of me tender specified in me tender (or)

(b) After having been notified of the acceptance of his tender by the corporation during me period of tender Validity.

2. Fails or refuses to execute the Agreement, if required. Or do not commence the work as per the letter of Intent or work order.

We undertake to pay to the Corporation up to the above amount upon receipt of their first written demand without the corporation having to substantiate their demand, provided mat in their demand the Corporation will note that the amount claimed is due 10 him owing to the occurrence of one or more of the above conditions, specifying the occurred condition or conditions.

Notwithstanding anything here in contained our liability under this guarantee is limited to Rs.-----  
------(Rupees -----only) and will remain in force up to 90 days from the date of opening of tender and any demand in respect thereof must reach the bank not later than me date of expiry of this guarantee failing which all the rights of the Corporation under the guarantee shall be forfeited and the bank shall be deemed to be relieved or discharged from all liabilities here under.

## PROFORMA- I

Date: \*\*.02.2021

To

M/s. Dredging Corporation of India Ltd.,  
“Dredge House “H.B Colony,  
Main Road, Seethammadhara  
VISAKHAPATNAM-530022.

Sir,

Sub: Tender for Supply and installation of mobile compactors/ optimizers –Reg.

---

With reference to your Tender No. DCI/HR/06/C/08/FILE COMPACTORS/2021 DATED:  
10/02/2021

and as per CI. No. 29 of general & Special conditions of the contract, we here by certify that we are not related to ay officer of Dredging Corporation of India Ltd., or any officer of the rank of the Asst. Secretary or above in the Ministry of Shipping, Government of India and also certify that we do not have any relatives employed in the Dredging Corporation of India Ltd.,

Thanking you,

Yours faithfully,

**PROFORMA-II**

Date: \*\*.02.2021

To

M/s. Dredging Corporation of India Ltd.,  
“Dredge House”, H.B Colony,  
Main Road, Seethammadhara,  
Visakhapatnam -530022.

Dear Sirs,

Sub: Tender for Supply and installation of mobile compactors/ optimizers –Reg.

With reference to your tender No. DCIDCI/HR/06/C/08/FILE COMPACTORS/2021 DATED:  
10/02/2021

. And as per clause No 30 of general & special conditions of the contract, we here by certify that we have not made any payment of 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.

Thanking you,

Yours faithfully,