



AN ISO 9001:2015 PORT

**MORMUGAO PORT TRUST  
ENGINEERING (CIVIL) DEPARTMENT  
TENDER NO. CE/22/2018**

**FACE SHEET TO ACCOMPANY THE TENDER DOCUMENTS**

A.	Name and full address of the	
1.	Contractor to whom the Tender Documents are issued.	
2.	Whether registered with Engineering (Civil) Department, if so, class of registration.	
3.	If not registered, reference to the letter of the Chief Engineer authorizing issue of the tender Documents.	
4.	Date of issue of Tender Documents	

**AXEN (Accounts)**

B.1. **Name of Work: “Supplying and Stacking ballast for Port’s Railway B.G siding.”**

2.	Cost of each set of Tender Documents	Rs. 500.00
3.	Date and Issue of Tender Documents	From: 02/07/2018 To 17/07/2018 upto 15.00 hrs.
4.	Date of receipt of tender and time	18/07/2018 at 15.00 hrs.
5.	Amount of E.M.D.	Rs. 12,100/-
6.	Date of opening of tender and time	On 18/07/2018 at 15.30 p.m.
7.	a) Whether E.M.D. received	Yes/No.
	b) if so, in which shape	D.D./Cash Receipt
8.	Form of contract	Item rate
9.	Whether tender received in duplicate	Yes/No
10.	Whether rates have been quoted in both the tenders in words and figures.	Yes/No
11.	Total No. of Tenders received for the work	

**AXEN (Accounts)**

**EXECUTIVE ENGINEER (HR)**



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**MORMUGAO PORT TRUST**  
**ENGINEERING (CIVIL) DEPARTMENT**

**TENDER NO: CE/22/2018**

**Name of Work: “Supplying and Stacking ballast for Port’s Railway  
B.G siding.”**

GENERAL INDEX

1. Tender Notice
2. Appendix – I
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6. Directions to tenderers for filling in the Schedule of quantities & rates.
7. Schedule of Quantities & Rates.
8. Form of Bank Guarantee for Security Deposit.
9. Declaration
10. Vendor Registration Form
11. GST Details

**A printed set (Tender documents – Vol I) containing Instructions to Tenderers, General and special conditions of contract, Special Instructions of contract, General specifications forms an integral part of the tender documents.**

Mormugao Port Trust  
Engineering Civil Department  
Main Administrative Office Bldg  
Headland, Sada, Goa



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**MORMUGAO PORT TRUST**  
**ENGINEERING (CIVIL) DEPARTMENT**  
**TENDER NOTICE NO. CE/N-0/2018**

**TENDER NO: CE/22/2018**

**TENDER NOTICE NO CE/N-21/2018**

**Name of Work: “Supplying and Stacking ballast for Port’s Railway B.G siding.”**

**1. TENDER NOTICE**

1. Sealed item rate tenders in **single Cover** System are invited by open advertisement on behalf of Mormugao Port Trust from Contractors registered with Engineering Civil Department(MPT), PWD / CPWD, Railways / Port Trusts /Central / State Governments, GSIDC etc., for the work of “ **Supplying and stacking of ballast for port’s Railway B.G. siding**”. The approximate cost of the work is Rs. **6,03,900/-** Unregistered Contractors also can apply for tender subject to fulfilling the Criteria and the conditions given below.

Sr. No	Tender No.	Name of work	Cost of tender document (non-refundable)	Sale of tender documents From/To
	Class of Contractor eligible of tender	Estimated cost of work put to tender	Earnest Money Deposit	Date of opening Of tender
1.	CE/22/2018	“Supplying and Stacking ballast for Port’s Railway B.G Siding.”	Rs. 500/-	02/07/18 to 17/07/18 Upto 15.00 hrs.
	Class: D and above	Rs. 6,03,900/-	Rs. 12,100/-	18/07/2018 at 15.30 hrs.

2. The tender set consisting of the Tender Notice, Additional Instructions to Tenderers, Special Conditions of Contract, Schedule of Quantities and Rates and Form of Tender may be obtained from the Office of Chief Engineer, Engineering (Civil) Department Mormugao Port Trust at Headland, Sada, Goa on payment of **Rs. 500/-** which sum will not be refunded. Additional set can be obtained on payment of **Rs. 500/-** (Non-refundable), if desired. The bidding party should pay the cost of the tender document (**non-refundable**) by **Demand Draft** in favour of **“Financial & Advisor and Chief Accounts Officer, Mormugao Port Trust** payable at **Vasco-Da-Gama** or by **cash** to **A.O. (Cash)**/ MPT/Headland, Sada at the time of submission of application form and bid documents. The Demand Draft/Cash Receipt in original is to be attached to the tender document.

3. Tender documents will not be sent by Post or Courier Service.

4. The Earnest Money Deposit (E.M.D.) payable in respect of the tender is **Rs.12,100/- (Rupees Twelve thousand One hundred only)**, and E.M.D. should be lodged in the form of Demand Draft drawn in favour of Financial Advisor and Chief Accounts Officer, Mormugao Port Trust, payable at Vasco-da-Gama, Goa or by Cash and a cash receipt obtained from A.O. (Cash), is required to be enclosed along with the Tender in originals. In any case, E.M.D. in the form of Cash/ Cheque along with tender will not be accepted.

- a. The E.M.D. and the Tender documents in single cover should be put in separate sealed envelopes and both the envelopes should be placed in a single envelope properly sealed. The inner envelopes should be separately marked as “EMD & tender document. The outer envelope shall bear the identifications like (i) Tender No: (ii) Description of work (iii) Bidders name and Address and (iv) Due date and time of bid opening. If the envelopes are not sealed properly, Mormugao Port Trust will assume no responsibility for the misplacement or premature opening of the bids submitted.
- b. Bids if not accompanied by the requisite E.M.D. as indicated above shall be treated as invalid and shall not be opened.
- c. The EMD of the any two among the first three lowest tenderers will be refunded to them only after acceptance of Work Order by successful tenderer. E.M.D. of successful contractor will be retained towards Initial Security Deposit. Other Contractors are requested to contact AXEN (Accounts), Chief Engineer’s Office, Main Administrative Office, and Mormugao Port Trust for claiming such refund of EMD along with copy of original receipt issued by this office.
- d. Contractors may submit the following information in-order to refund the EMD's/ Bank Guarantee/Security Deposit/Retention Money, payments of bills etc.

- a. Name of Bank
- b. Place
- c. Account No
- d. Type of Account
- e. PAN.
- f. EPF No.
- g. ESI No.

No fresh correspondence in this regard will be made by the Port Trust.

5. Security Deposit: 10% of the value of contract plus EMD .
  - a) Amount to the extent of 10% of the value of contract to be paid in cash or in the form of a Bank Guarantee at the time of acceptance of the tender, as Initial Security Deposit.
  - b) The remaining 10% of Security Deposit to be deducted from the running account bills at 10% of each running bill till the entire security deposit of 10% of value of contract is recovered. However, the contractor will have the option to convert the Retention Money so deducted from the bills into acceptable Bank guarantee (s) for like sum(s) at any stage(s) of the work.
  - c) The entire amount of 10% of the value of the contract may be paid in cash /Demand Draft / Pay Order or in the form of Bank Guarantee at the time of acceptance of tender.

**Note:**

- i. The Bank Guarantee of 10% of the Contract Price as Initial Security Deposit will be valid till the completion of the maintenance period plus one month for the claims period.
- ii The Retention Money of 10% of the Contract Price will be released after Successful completion of defect liability period.

6. **Security Deposit:** EMD deposited along with the tender will be Converted as Security Deposit.
7. **Retention money:** Retention money shall be deducted from each Running account bill at 10 % of gross value of work done to the limits of 10 % of contract value.
8. **Refund of Security deposit and Retention money:** S.D and Retention money Shall be refunded only after successful completion of Defect liabilities Period (Free Maintenance period) if applicable
9. The entire work under this contract is required to be completed within **2 (Two) months** from the date of receipt of pre-acceptance letter/ work order or release of site whichever is later.

10. Counter conditions stipulated in completion period by the Contractor will not be considered. Tenders with counter conditions are likely to be rejected summarily without assigning any reasons therefore.
11. Time is the essence of contract. Liquidated Damages for delay in Completion of work shall be recovered at the rate of 0.5 % of the Contract Price per week or part thereof subject to a maximum ceiling of 5% of the Contract Price.
12. The contract is liable to be terminated if there is a delay of more than 25% of contracted period of completion.
13. The maintenance period is not applicable for this contract.
14. Tenderers are strongly advised to inspect the site of work and acquaint Themselves with the site conditions and quantum of work involved etc. Before tendering. Such an inspection can be arranged in consultation With the **Executive Engineer / HR, Tel Nos: 2594610**.
15. The tenderers must not quote counter conditions involving extra Expenditure. The tenderers should refrain from sending revised or amended offers after the closing date of the tender. The Chief Engineer Reserves the right to reject such offers without assigning any reasons thereof.
16. The original tenders to be submitted should be enclosed in a sealed Cover and superscribed "**Supplying and stacking of ballast for port's Railway B.G.siding**" and should be Addressed to The Chief Engineer, Engineering (Civil) Department, Mormugao Port Trust, Headland, Sada, Goa - Pin: 403804.
17. The tenders complete in all respects should be placed in the Tender kept inside the cabin of **AXEN (Accounts)**, Chief Engineer's Office at Main A.O. Building, 2nd Floor, Mormugao Port Trust upto 15.00 hrs on due date and opened at 15.30 hrs. on the same date in the presence of such Tenderer's who may wish to be present.
18. The Tenderer's should specifically note that their offers, whether sent by post or by hand delivery, should reach this office on or before the due date and time. Offers received late will not be considered, even if posted in post office before due date.
19. The Chief Engineer and or Board of Trustees reserves the right to Reject any or all tenders received without assigning any reasons Therefore, unsigned tenders will not be considered.

20. Sales Tax, Income Tax etc., as applicable from time to time shall be Deducted from the amount payable to the Contractor at source. Under No Circumstances taxes so deducted shall be reimbursed to the Contractor.
21. GST registration for the bidder is mandatory. Bidder has to Enclose attested copy of GST Registration along with the Tender. GST has to be claimed extra as applicable while Submitting the bill/bills.
22. The Tenderer should strictly note that they shall be not allowed to fill in the tender or seal the tender in Mormugao Port Trust premises.
23. Further details can be had from the office of the undersigned at the New Administrative Office Building of MPT at Headland, Sada.

**CHIEF ENGINEER**



AN ISO 9001:2015 PORT

**MORMUGAO PORT TRUST**  
**ENGINEERING (CIVIL) DEPARTMENT**

**APPENDIX - I**

**Tender no. CE/22/2018**

**Name of Work: "Supplying and stacking of ballast for port's Railway  
B.G.siding".**

This shall be read in conjunction with Clauses of General Conditions (G.C.) of  
Vol-I of Tender Documents.

S.N.	Particulars	Clause of G. C.	Details
1.	Amount of Security Deposit and time	-----	EMD to be converted to S.D.
2.	Period for commencement from the Chief Engineer's orders to commence.	-----	7 days or as specified in the purchase order
3.	Time of Completion	-----	<b>2 (Two) months.</b>
4.	Amount of liquidated damages.	-----	Calculated at 0.5% value of the contract per week of seven days, or part thereof subject to a ceiling of 5% value of the contract.
5.	Period of maintenance.	-----	Not applicable
6.	Percentage of retention from each running account bill	-----	10%. For each running bill.
7.	Limit of Retention Money	-----	10% value of the contract.
8.	Total 1 Security Deposit and Retention Money.	-----	EMD Plus 10% value of the contract recovered from the running bills.



9.	Minimum amount of interim Certificate.	-----	3,00,000/-
10.	Time within which payment to be made after contractor's submission of the bill.	54(1)	100% payment within 5 days of recording measurements and submission of bill in quadruplicate after obtaining signature of JE/EA and AEN/AXEN concerned (2 copies to Head Office) with all supporting documents.
11.	Mobilization advance	69	Not applicable to this contract.
12.	Interest rate on Mobilization advance	69	Not applicable to this contract.
13.	Mode of recovery of Mobilization advance	69	Not applicable to this contract
14.	Variation in price of labour and materials	70	Not applicable to this contract
15.	Arbitration	66	Not applicable to this contract
16.	Minimum amount of third party insurance	Clause No. 6 to 9 of Addl. General Conditions of Contract	Not applicable to this contract

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 2018.  
Signature in the capacity of \_\_\_\_\_ duly  
authorized to sign tender for and on behalf of \_\_\_\_\_.

(IN BLOCK LETTERS)

Tenderer Name and Address: \_\_\_\_\_

Witness: \_\_\_\_\_  
Occupation: \_\_\_\_\_

Date :- -----



**MORMUGAO PORT TRUST**  
**ENGINEERING (CIVIL) DEPARTMENT**

**TENDER NO: CE/22/2018**

**Name of Work: “Supplying and stacking of ballast for port’s Railway B.G.siding”.**

**ADDITIONAL INSTRUCTIONS TO TENDERERS**

The instructions to the Tenderers shall be Instructions to “Tenderers” as modified or added to by the following Additional Instructions to Tenderers which shall be read and construed with the instructions to tenderers as if they were incorporated therewith.

If any of the provisions in Additional Instructions to Tenderers may conflict with or be inconsistent with the instructions to Tenderers the Additional Instructions to Tenderers shall prevail.

1. Sealed item rate tenders are invited in single cover system for work described in the Tender Notice referred to herein before.
2. Earnest Money: No tender will be considered which is not accompanied by the Earnest Money Deposit (E.M.D.) for the sum stipulated in the tender notice which is lodged on the understanding that in the event of the tenderer withdrawing his tender before the expiry from the last date of submission of the tender document. (Whether or not the submitted tender(s) are opened or otherwise at the time of tenderer withdrawing his tender, the tender shall be cancelled and the Earnest Money (E.M.D) deposited by the tenderer forfeited to the trustees and if the tender is accepted the Security Deposit (SD) mentioned in Para 5 hereinafter will be furnished.

3. Tenderer must submit the complete tender set duly signed wherever required. Any tender not so signed will not be considered. Alterations to the conditions of contract and specifications will not be entertained.

4. SECURITY DEPOSIT: EMD plus 10% Retention Money deducted through R.A.Bills. The Successful Tenderer will be required to deposit the following amounts as Security Deposit for the due fulfillment of the contract.

- a. Security Deposit (S.D.) will be EMD plus **10%** Retention Money which will be deducted from Running bills at rate of **10%** of work done and retention money shall be limited to 10% of contract Value.

**Note:** The amount of liquidated damages expressed in the Tender Notice to be payable for delay in the performance of the contract has been arrived at on the fair estimate of the amount of loss likely to be sustained by the Trustees as a result (the delay in the performance of the contract.)

5. The entire work comprised in this contract is required to be completed within the period as described in the 'Tender Notice'. No counter conditions as regards to completion period shall be quoted by the tenderers.

6. The Chief Engineer and/ or the Trustees reserve the right to reject any tender without assigning any reasons or to accept any tender as a whole or in part and does not bind himself / themselves to accept the lowest or any tender, No reason will be assigned for the rejection of any tender,

7. If the Tenderers have not carried out any work for the Mormugao Port Trust in the past they shall submit along with, the tender a list of works carried out by them for Government or Public Bodies with their amount showing against each work indicative of its magnitude and their Bankers reference and their Sales Tax Returns.

8. Tenderers should refrain from sending revised or amended offers after the closing date of the tender.

9. Tenderers are strongly advised to inspect the site so that they are fully aware of the nature of scope of the works to be carried out Completion time period before tendering for the same.

10. Cost of testing of materials shall be borne by the Contractor.

11. Tenderers should note the arrangements described in the tender document for prompt payments of bills.

12. The free maintenance period for this work is not applicable.

13. Further particulars can be obtained on application to the office of the

Chief Engineer, Mormugao Port Trust A.O. Building, Headland, Sada, during the office hours.

**CHIEF ENGINEER**



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**MORMUGAO PORT TRUST**  
**ENGINEERING (CIVIL) DEPARTMENT**

**TENDER NO: CE/22 /2018**

**“Supplying and stacking ballast for Port’s Railway B.G Siding.”**

**ADDITIONAL GENERAL CONDITIONS OF CONTRACT**

- 1.The quantities mentioned in the Schedule of Quantities and Rates are only approximate and the Board is liable to pay for only such quantities of work as are actually executed.
2. The rate quoted by the contractor shall be inclusive of transportation charge Sales Tax, General Tax, Octroi, Excise Duty, Income Tax etc. and all other incidental charges that the tenderer may have to bear for the execution of the works. GST shall be paid extra.
3. The Tenderers supervisory staff shall be fully experienced in this type of work and all safety precautions should be taken and the work to be carried out under their supervision.
4. The contractor shall insure plant, machinery and workers employed by him during execution of work and submit necessary insurance policies to the Department.
- 5.(a) Without limiting his obligation and responsibilities under clause 21 of G.C.C. (Vol.I), the contractor shall insure, at his cost, in the joint names of the Board and the contractor against all loss or damage from whatever cause arising (other than the expected risks) for which he is responsible under the terms of the contract and in such manner that the Board and contractor are covered during the period of construction of the works and are also covered during the period of maintenance for loss or damage arising from a cause

occurring prior to the commencement of the period of maintenance and for any loss or damage occasioned by the contractor in the course of any operations carried out by him for the purpose of complying with his obligations under clause 45 of G.C.C. (Vol.I).

- (i) The works and the Temporary Works to the full value of such Works executed from time to time.
  - (ii) The materials, constructional plant and other things brought on to the site by the contractor to the full value of such materials, Constructional plant and other things.
- 5(b) Such insurance shall be effected with an insurer and in terms approved by the Board and the contractor shall whenever required produce to the Chief Engineer or Chief Engineer's representative the policy or policies of insurance and the receipts for payment of the current premia provided always without limiting his obligations and responsibilities as aforesaid nothing in the clause contained shall render the contractor liable to insure against the necessity for repair or reconstruction of any work constructed with material or workmanship not in accordance with the requirements of the contract.
- 6(a) Before commencing the execution of the works, the contractor but without limiting his obligations and responsibilities under clause 22 of G.C.C. (Vol.I) shall insure against any damage, loss or injury which may occur to any property (including that of the Board) or to any person (including any employee of the Board) by or arising out of the execution of the works or temporary works or in the carrying out of the contract otherwise than due to the matters referred to in the provision to clause 22(1) of G.C.C. (Vol. I).
- 6(b) Such insurance shall be effected with an insurer and in terms approved by the Board and for at least the amount stated in the Tender and the contractor shall whenever required, produce to the Chief Engineer or the Chief Engineer's representative the policy or policies of insurance and the receipts for the payment of the current premia.
- 7. The contractor shall insure against accident, injury, etc. to workmen with an insurer approved by the Board and shall continue such insurance during the whole of the time that any persons are employed by him on the works and shall when required produce to the Chief Engineer or the Chief Engineer's representative such policy of insurance and the receipt for payment of the current premia. Provided always that in respect of any persons employed by any sub-contractor, the contractor's obligation to insure as aforesaid shall be satisfied if the sub-contractor shall have insured against the liability in respect of such persons in such manner that the Board is indemnified under the policy but the contractor shall require such sub-contractor to produce to the Chief Engineer or to

the Chief Engineer's representative when required such policy of insurance and the receipt for payment of the current premia.

8. If the contractor shall fail to effect and keep in force the insurance referred to in the above mentioned clauses hereof or any other insurance which he may be required to effect under the terms of the contract then and in any such case, the Board may effect and keep in force any such insurance and pay such premium or premia as may be necessary for that purpose and from time to time deduct the amount so paid by the Board with interest as stated in Vol.I as aforesaid from any moneys due or which may become due to the contractor or recover the same as a debt due from the contractor.
9. The successful tenderer will have to submit within 7 days after receipt of the acceptance Letter a phased programme of execution of different items of works.
10. Permission for working beyond the normal working hours of the Port or on Sundays and Public Holidays as stipulated under clause no.42 of General Conditions of Contract, Volume – I of the tender document will be given to the contractor subject to his agreeing to bear the cost of overtime, if any, which may have to be paid to the Port's supervisory staff.

#### **11. EPIDEMICS**

In the event of any outbreak illness of an epidemic nature, the contractor shall comply with and carry out such regulations, orders and requirements as may be made by the Government or the Local Medical or Sanitary' Authorities for the purpose of dealing and overcoming the same.

#### **12. DISORDERLY CONDUCT ETC:**

The Contractor shall, at all times, take all reasonable precautions to prevent any unlawful, riotous or disorderly conduct by or among his employees, officers or agents and for the preservation of peace and protection of persons and property in the neighborhood of the works against the same.

#### **13. FOOTWARE, GLOVES ETC.:**

In partial modification of Clause No.31 of the General Conditions of Contract, the contractor shall at his own expenses provide safety equipment, for all labour employees on all types of work to the satisfaction of the Chief Engineer or his Assistant.

#### **14. ACCIDENTS:**

The contractor shall, within 24 hours of the occurrence of any accident at or about the site or in connection with the execution of the work, report such accidents to the Chief Engineer or his Representative. The contractor shall also report such accidents to the concerned constituted authorities.

15. The contractor and his workers/agents shall be required to obtain from

MPT and display a Photo Identity Card during entry, stay and exit from the Port security areas guarded by CISF personnel.

**16.** All applications for issuance of Photo Identity cards shall be routed through the Chief Engineer, who shall forward the same to the Port's Traffic Department, whose pass section will issue the Photo Identity Card to the contractor or his agents at free of cost and the same shall be valid for the duration of the contract or a period of one year, whichever is less.

**17.** The portion of Security Deposit due for refund in accordance with the Conditions of Contract, after physical completion of the work, will not be refunded except with the prior permission of the Chief Engineer, unless and until contractor submits the final bill based on joint measurements.

**18.** The operation of the Port should not be stalled due to this tender work.

**19.** Contractor shall maintain register at site to monitor the execution of each items of work as per the specified specifications and register to maintain the records of material brought to site and the daily consumption and register/file of test reports of materials brought to site and as specified by the Engineer in charge. The register / files should be made available for inspection of the Chief Engineer or his representative whenever so desired.

**20.** The supplied ballast should satisfy the tests as per IS: 2386 pt IV- 1963 when tested Contractor shall undertake laboratory test as specified as demanded at the discretion of Chief Engineer at the government/ Railway approved laboratory only and the cost of the same shall be borne by the supplier.

## **SPECIFICATION FOR TRACK BALLAST**

**1 SCOPE:** These specifications will be applicable for stone ballast to be used for all types of sleepers on normal track, turnouts etc.

### **2 DETAILED SPECIFICATIONS:**

#### **2.1 GENERAL.**

**2.1.1 Basic Quality:** Ballast should be hard durable and as far as possible angular along edges/comers, free from weathered portions of parent rock, organic impurities and inorganic residues.

**2.1.2 Particle Shape:** Ballast should be cubical in shape as far as possible. Individual pieces should not be flaky and should have generally flat faces with not more than two rounded/sub rounded faces.

**2.1.3 Mode of Manufacture:** To ensure uniformity of supply machine crushed

ballast should be preferred for broad gauge, procurement of hand broken ballast shall be resorted to only with the prior personal approval of Chief Engineer in open line. **2.2 PHYSICAL PROPERTIES:**

**2.2.1** Ballast sample should satisfy the following physical properties in accordance with IS: 2386 Pt IV - 1963 when tested as per the procedure given in Annexure 1 & 2.

BG & MG

- Aggregate Abrasion Value: 30% Max. \*
- Aggregate Impact Value: 20% Max\*

**2.2.2** The "Water Absorption" tested as per IS:2386 Pt III - 1963 following the procedure given in Annexure 3 should not be more than 1%. This test however, to be prescribed at the discretion of Chief Engineer

### **2.3 SIZES AND GRADATION:**

2.3.1 Ballast should satisfy the following size and gradation:

- a) Retained on 65mm Sq. mesh 5%Maximum.  
sieve
- b) Retained on 40mm sq. mesh 40%-60%  
sieve \*
- c) Retained on 20mm sq. mesh Not less than 98% for machine  
sieve crushed  
Not less than 95% for hand broken.

\* For machine crushed ballast only.

### **2.3. Oversize Ballast:**

- i) Retention on 65mm square mesh sieve.

A maximum of 5% ballast retained on 65mm sieve shall be allowed and no deduction in payment shall be made for this.

In case of hand broken ballast all ballast shall be sieved through 65mm square mesh sieve before it is allowed to be stacked and offered for measurement. In isolated stacks, upto 10% ballast retained on 65mm sieve may be permitted but the average of various samples taken at the time of any measurement shall be within 5% In case, average exceeds 5% all the stacks shall be rejected and a lumpsum penalty of Rs.5,000/- be levied on contractor and contractor shall be advised to restack the ballast after screening.

- ii) In case ballast retained on 40 mm square mesh sieve exceeds 60% limit



prescribed in 23.1 (b) above, payment at the following reduced rates shall be made for the full stack.

-- 95 % of payable rates if retention on 40 mm sq. mesh sieve is between 60% (excluding) and 65% (including)

-- 90% of payable rates if retention on 40mm sq. mesh sieve is between 65% (excluding) and 70% (including).

iii) In case retention on 40mm square mesh sieve exceeds 70% the stack, shall be rejected.

iv) In case of hand broken ballast supply, 40mm.sieve analysis may not be carried out. The executive may however ensure that the ballast is well graded between 65mm and 20mm size.

**2.3.3. Under size Ballast:** The Ballast shall be treated as undersize and shall be rejected if:-

i) Retention on 40mm Sq Mesh sieve is less than 40%.

ii) Retention on 20mm square mesh sieve is less than 98% (for machine crushed) or 95% (for hand broken)

**2.3.4 Method of Sieve Analysis-**

i) *The Screen for sieving the ballast shall be of square mesh and shall not be less than 100 cm in length, 70cm in breadth and 10cm in height on sides. The following tolerances in the size of holes for 65, 40 and 20mm sieve shall be permitted:*

65mm Square Mesh Sieve	Plus Minus 1.5mm
40mm Square Mesh Sieve	Plus Minus 1.5mm
20mm Square Mesh Sieve	Plus Minus 1.0 mm

*The Squareness of the individual hole in the sieves viz. 65, 40 and 20mm should be ensured. Railways may issue necessary instructions in this regard. The sieves to be used for the ballast measurement shall be obtained from approved suppliers for which railway shall have a list and mention the same in the tender documents.*

ii) *While carrying out sieve analysis, the screen shall not be kept inclined, but held horizontally and shaken vigorously. The pieces of ballast retained on the*

screen can be turned with hand to see if they pass through but should not be pushed through the sieve.

*iii) The percentage passing through or retained on the sieve shall be determined by volume by water displacement method.*

## **21. METHOD OF MEASUREMENT:**

### **21.1 STACK MEASUREMENT:**

Stacking shall be done on a neat, plain and firm ground with good drainage. The height of stack shall not be less than 1m except in hilly areas where it may be 0.55m. Top width of stack shall not be less than 1.0m. Top of stack shall be kept parallel to the ground plane. The side slopes of stack should not be flatter than 1.5:1 (Horizontal: Vertical) Cubical content of each stack shall normally be not less than 30 cum in plain areas and 15 cum in hilly areas.

## **4.2 SHRINKAGE ALLOWANCE:**

Payment shall be made for the gross measurement either in stacks or in wagons without any deduction for shrinkage/voids. However, when ballast supply is made in wagons, shrinkage upto 8% shall be permitted while verifying the quantities at destination.

## **22 SAMPLING AND TESTING:**

A minimum of 3 samples of ballast for sieve analysis shall be taken for measurement done on any particular date even if the numbers of stacks to be measured are less than three.

**22.1** The test viz., determination of Abrasion Value, Impact Value and Water Absorption should be got done through Railway laboratories or Approved laboratories.

**22.2** In order to ensure supply of uniform quality of ballast, the following norms shall be followed in respect of sampling, testing and acceptance.

**22.3** On supply of the first 100 cum, the tests for size gradation. Abrasion value, Impact value and, water absorption shall be carried out by the contractor. Further Supply shall be accepted only after this ballast satisfies the

specifications for these tests. Board reserves the right to terminate the contract as per GCC at this stage itself in case the ballast supply fails to conform with any of these specifications.

**22.4** Subsequent tests shall be carried out as follows:

	Supply in stacks		Supply in wagons.
	For stack of volume less than 100 cum	For stack of volume more than 100 cum	
a) Size and Gradation Tests.			
- No of Tests	One for each stack	One for each stack	One for each stack
- Size of one sample	**0.027 cum	** 0.027 cum for every 100 cum or part thereof	**0.027 cum
b) Abrasion Value Impact Value and Water Absorption test @ Testing Frequency	One test for every 2000 cum		

\*\* This sample should be collected using a wooden box of internal dimensions 0.3mx0.3mx0.3m from different parts of the stack/wagon.

@ These tests shall be done for the purpose of monitoring quality during supply. In case of the test results not being as per the prescribed specifications at any stage, further supplies shall be suspended till suitable corrective action is taken and supplies ensured as per specifications.

The above tests may be carried out more frequently if warranted at the discretion of Railway.

**22.5** All tests for Abrasion value Impact value and water absorption conducted subsequently to award of contract shall be done at contractors cost.

**22. Rates and Prices to be inclusive.**

The item rate entered for the Schedule of Quantities by the contractor shall include the provision of all supporting special equipment, labour of required skill, supervision, materials, erection, overheads and profits, watch and ward, insurance charges, during execution and every incidental and contingent costs and charges, whatsoever, including sales tax on works contracts, etc. if any, for compliance with conditions of contract and

specification.

**23.** The Tenderers are required to fill the Schedule of Quantities and Rates as stated in Directions to Tenderers for filling in the Schedule of Quantities and Rates.

**The Taxes involved in the execution of Works Contract Act 1935 shall be borne by the contractor and rates quoted by the Tenderers shall be inclusive of the said tax also. Service tax if applicable shall be payable extra**

**24. FACILITIES FOR WORKS OF OTHER AGENCIES:**

The contractor, shall accord all facilities to various agencies /contractors such as place for storing their material place for site office. etc. in consultation with the Site Engineer and carry out his activities in close co-ordination with all agencies.

**25.** The contractor should specially note that there should not be any disturbances to the MPT Staff's working in the Department and also take necessary steps to prevent noise, dust pollutions etc. in the Office.

**26.** The contractor if work involves labour then they shall have EPF/ESI Registration No. Of the firm and shall contribute towards Employees Provident Fund (EPF)/ESI and submit the copy of the same along with the details in the prescribed format while submitting bills if admissible if applicable.

**27.** The material is to be delivered and stacked in proper order in the AEN/Rly stores /marshalling yard or as directed.

29. Port will not arrange to remit road permit or any other charge and will not issues octroi inspection certificate etc if any involved in transportation of the materials. All charge, expense, inspection regarding transportation have to be arranged by the contractor.

30 The quantities mentioned in the Schedule of Quantities and Rates are only approximate and the Board is liable to pay for only such quantities of work as are actually executed.

31 Item rate quoted by the contractor shall be inclusive of Sales Tax, General Tax,, Income Tax etc. and all other incidental charges that the tenderer may have to bear for the execution of the works.

**GST Registration for the bidder is mandatory. Bidder has to enclose attested copy of the GST Registration Certificate along with the tender. Service Tax has to be claimed extra as applicable while submitting the bills.**

**32. FREE MAINTENANCE PERIOD:** Free maintenance period for this work is not applicable .

### **33 MODE OF PAYMENT:**

The procedure for preparation and settlement of contractor's bills is as under subject to submission of bill in quadruplicate with the Engineer's certification:

- (i) Minimum amount of Interim Certificate shall be Rs.3,00,000/-
- (ii) 100% within 20 working days of submission bill in quadruplicate with MPT Engineers certification.
- (iii) The amount of any bill can be adjusted against dues to Mormugao Port Trust on any other dealing with the Mormugao Port trust.
- (iv) **Retention Money** will be recovered through the bills at the rate of **10%** of the amount certified in each bill, till an amount equivalent of 10% of the Contract Price is accumulated.

The Chief Engineer may sanction part rates for partly executed items of work mentioned in the Schedule of Quantities & Rates as may be deemed necessary by him.

The contractor shall submit the interim measured bills and final bill only after the measurements are checked by the concerned Assistant Engineer and after the final corrected quantities to be billed are given by him.

### **34. FACILITIES FOR WORKS OF OTHER AGENCIES:**

Contractor shall take care to see that his work does not, in any way, hamper the concurrent progress of works of the other agencies in and around the existing site of work, by laying of cables or any other work, which will be awarded during the period of this contract. The contractor, shall accord all facilities to various agencies /contractors such as place for storing their material place for site office. etc. in consultation with the Site Engineer and carry out his activities in close co-ordination with all agencies.

35. The following registers/forms shall be maintained by the contractor:

- 1) Muster Roll in Form XVI.
- 2) Register of wages in Form XVII.
- 3) Register of overtime in Form XXIII
- 4) Register of fines in form XXI
- 5) Register of advances in form XXIII
- 6) Register of persons employed in form XIII
- 7) Material Register ( stating total received, daily consumption & balance.
- 8) Test report register
- 9) Hindrance register
- 10) Site instruction book.
- 11) Joint measurement/record register
- 12) Any other register required by the Chief Engineer or his representative. The contractor shall keep all registers in safe

custody.

**CHIEF ENGINEER**



AN ISO 9001:2015 PORT

**MORMUGAO PORT TRUST**  
**ENGINEERING (CIVIL) DEPARTMENT**

**TENDER NO: CE/22/2018**

**“Supplying and stacking of ballast for port’s Railway B.G.siding”.**

**FORM OF TENDER**

**The Chief Engineer,  
Mormugao Port Trust.**  
Headland, Sada, Goa

I/We \_\_\_\_\_ do hereby Offer to execute the work comprised in the annexed Tender Notice for **“Supplying and stacking of ballast for port’s Railway B.G.siding.”** in strict accordance with the Instructions to Tenderers, General Conditions of Contract, and Specifications etc., at the Rate entered in the attached Schedule of Quantities and Rates.

2. I/We undertake to supply the materials in the Schedule of Quantities & Rates within **2(Two) months** from the date of release of site / work order. I/We also agree that this tender will remain open for acceptance till 120 days Port. I/We have independently considered the question of the amount of loss or damage likely to result to the Trustees from the delay on my/our part in the performance of the contract and I/We agree that the **Liquidated damages** at the rate of **(0.5%)** of the Contract Price per Week or part thereof’s delay in work subject to a maximum ceiling at **5%** of the Contract Price represents a fair estimate of the loss likely to result from the delay.

3. I/We send herewith a sum of **Rs. 12,100/- (Rupees Twelve Thousand one hundred only)** as a deposit or earnest money of my/our willingness to enter into the contract if my/our tender is accepted.

4. In the event of my/our tender being accepted, I/We agree to enter into a contract in the prescribed form with such alterations or additions thereto which may be necessary to give effect to the acceptance of this tender and such contract shall contain and give full effect to the Specifications, Schedule of Quantities & Rates attached to this tender.

5. I/We also agree, if awarded the contract, that the Earnest Money lodged with this tender will be retained by the Board of Trustees towards part of the Initial Security Deposit.

6. I/We further agree, if awarded the contract, to lodge the Retention Money equivalent to **10%** of the Contract Price of my/our tender by way of deductions from my/our bills at the rate of **10%** of the gross value of work certified in each bill till the amount of **10%** of the contract price is accumulated.

7. I/we agree to abide by this tender to be valid for the period of 180 days from the date for opening and it shall remain binding upon me/us and may be accepted any time before the expiration of that period.

8. I/We hereby certify that my/our registration certificate under the **‘Goa Sales Tax** on the transfer of property in goods involved in the execution of Works Contract Act, 1985 is in force on the date on which the sale of goods

specified in this bill/cash Memorandum is made by me/us and the tax under the act will be, if payable, be paid before furnishing my/our returns under the act.

9. I/We have inspected the site and I am / we are fully aware of the work to be carried out while tendering for the contract.

10. I/We request that early payment of interim bills be made from time to time in advance of such bills being audited as per tender conditions.

11. \*(A) Mine is a proprietary firm and I am the sole proprietor of the firm. My firm is/is not registered with Registrar of firms.

Name: \_\_\_\_\_

Age: \_\_\_\_\_ years

\*(B) Ours is a partnership firm and the names of all major partners are given below:

	<b><u>Name</u></b>	<b><u>Age</u></b>
1.	_____	_____ years
2.	_____	_____ Years
3.	_____	_____ Years
4.	_____	_____ Years

We understand and confirm that if our offer is accepted, the contract will be entered into with the above-mentioned partners only and the Trustees will not recognize or deal with any minor partners or their guardians.

\*(C) ours in a Company with liability and a copy of our Memorandum and Articles of Association will be sent for perusal upon acceptance of our offer.

Proposed contract is intended to be signed by a duly constituted Attorney and original power of Attorney in his favour will be submitted for perusal immediately on acceptance of the tender.

The contract will be completed under the Company's Common Seal.

12. The Bank Guarantee referred to in Para No.5 above will be from  
\*\* \_\_\_\_\_

13. I/We am/are registered for the purpose of Goa Sales Tax Act and my/our registration Certificate No. is \_\_\_\_\_

14. The name and address of our Banker is \*\* \_\_\_\_\_

15 I/we understand that the Board is not bound to accept the lowest or any tender you may receive and may reject the same (the lowest) or any other tender without assigning any reason therefore.



16 “I have read and understood the General conditions and specification of the work which are printed in Volume –I supplied to me by the Department which will form a part of tender and this shall remain binding on me ”.

17 I /we have enclosed herewith the following documents as required under instructions to tenderers:-

- a) Organization Chart.
- b) List of similar works carried out by me/us.
- c) Bar Chart.
- d) List and description of main plant and equipments proposed to be used on this work.

NAME AND ADDRESS OF TENDERER:-

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
SIGNATURE OF TENDERER

Witness: - \_\_\_\_\_

Date: \_\_\_\_\_ Day of \_\_\_\_\_ 2018

Witness: - \_\_\_\_\_

Witness: - \_\_\_\_\_



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**MORMUGAO PORT TRUST  
ENGINEERING (CIVIL) DEPARTMENT**

**TENDER NO. : CE/22/2018**

**“Supplying and stacking of ballast for port’s Railway B.G.siding).”**

**DIRECTIONS TO TENDERERS FOR FILLING IN THE  
SCHEDULE OF QUANTITIES & RATES**

1. Tenderers are required to fill all the item rates in the Schedule of Quantities & Rates, in the space provided for the purpose and unless this is done, their tender will not be considered.
2. The Item rates shall hold good for all works under this contract, without reference to quantity or location of the work or the variation in the estimated quantity.
3. Quantity & rate of each item of work mentioned in the Schedule should be noted and quoted carefully; having regard to the specifications before submitting the tender, as no variation in rates, etc. will be allowed on any ground such as mistake or misunderstanding etc. after the tender has been submitted.
4. The rates and the amount should be legibly written in figures as well as in words, in the space provided for. Erasures or corrections in figures or in words, without Tenderer's initials, will render the tender liable for rejection. If the rates written in figure and words are not identical then lowest shall be considered for calculations.

**CHIEF ENGINEER**



AN ISO 9001:2015 PORT

**MORMUGAO PORT TRUST**  
**ENGINEERING (CIVIL) DEPARTMENT**

**TENDER NO: CE/22/2018**

**“Supplying and stacking ballast for Port’s Railway B.G Siding.**

**SCHEDULE OF QUANTITIES AND RATES**

Item No.	Description of work	Approx. quantity	Unit of quantity in words	Rate in fig./words	Amount Rs. Ps.
1	<p>Supplying &amp; stacking of 50 to 60mm sized Ballast at places along Port's railway yard or as directed. It should be hard durable and angular along edges, free from weathered portion of parent rock, organic impurities and inorganic residues. Ballast should be tough and wear resistant, should not get crushed under the moving loads, generally cubical with sharp edges, non-porous and should resist attrition, etc. complete. All labour, material T &amp; P etc. complete. (Note: Ballast should satisfy the requirements of IRPWM)Read with the enclosed specifications for track ballast as per relevant IS code specifications therein.</p> <p><b>Note:1)</b> 8% voids will be deducted from the stack measurement for computing the actual quantity.</p> <p><b>Note:2.</b> Following test to be carried out for approval of ballast and the sample shall be take at random from the stack in presence of XEN/HR, S.E/HR</p> <p>1.Abrasion and Impact Values.</p>	300	Cubic Metre		

<p>2.Sizes and Gradation. 3.Water Absorption.</p> <p><b>Note:3)</b> The ballast will have to be confirmed as per the specification of the IS Code and approved for Railway works.</p> <p><b>Note:4)</b> The above tests shall be done for the purpose of monitoring quality during supply. In case the test results not being as per the prescribed specifications at any stage, further supplies shall be suspended till suitable corrective action is taken and supplies ensure as per specifications.</p> <p><b>Note:5)</b> The contractor shall quote for the work inclusive of the cost of the necessary tests required to be conducted from the approved laboratories</p>				
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TOTAL amount in figures = Rs. \_\_\_\_\_

Total amount in Words: Rupees \_\_\_\_\_  
(only)

It is certified that I/we have the unit rates in figures and words.

Name and Address of the Tenderer

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

SIGNATURE OF TENDERER

Date: \_\_\_\_\_

Place: \_\_\_\_\_

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**MORMUGAO PORT TRUST**  
**ENGINEERING (CIVIL) DEPARTMENT**

Annexure

Form of Performance guarantee / Bank guarantee bond.

[Reference para 21.1(1)(V)]

In consideration of the Board of Trustees of Mormugao Port Trust (hereinafter called "The Board") having offered to accept the terms and conditions of the proposed agreement between Board and .....(hereinafter called " the said contractor(s)" for the work.....(hereinafter called "the said agreement") having agreed to production of an irrevocable Bank Guarantee for Rs.....(Rupees.....only) as a security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We.....(hereinafter referred to as the "Bank") hereby undertake to (indicate the name of the Bank)  
Pay to the Board an amount not exceeding Rs.....(Rupees.....only)  
on demand by the Board.
2. We .....do hereby undertake to pay the amounts due and payable(indicate the name of the Bank)under this Guarantee without any demur, merely on a demand from the Board stating the amount claimed is required to meet the recoveries due or likely to be due from the said Contractor(s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this Guarantee shall be restricted to an amount not exceeding Rs.....(Rupees.....  
.....only).
3. We, the said Bank, further undertake to pay to the Board any money so demanded notwithstanding any dispute or disputes raised by the Contractor(s) in any suit or proceeding pending before any Court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a

valid discharge of our liability for payment there under, and the Contractor(s) shall have no claim against us for making such payment.

4. We..... further agree that the Guarantee herein contained shall(indicate the name of the Bank) remain in full force and effect during the period that would be taken for the performance of the said agreement, and it shall continue to be enforceable till all the dues of the Board under or by virtue of the said agreement have been fully paid, and its claims satisfied or discharged, or till the Engineer-in-charge on behalf of the Board, it certifies that the terms and conditions of the said agreement have been fully and properly carried out by the said contractor(s), and accordingly discharges this guarantee.
5. We..... further agree with the Board that the Board (indicate the name of the Bank) shall have the fullest liberty without our consent, and without effecting in any manner our obligations hereunder, to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers excisable by the Board against the said contractor(s),and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall be relieved from our liability by reason of any such variation or extension being granted to the said contractor(s) or for any forbearance, act of omission on the part of the Board or any indulgence by the Board to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision have effect of so relieving us.
6. This Guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).
7. We..... lastly undertake not to revoke this Guarantee except with (indicate the name of the Bank) the previous consent of the Board in writing.
8. This Guarantee shall be valid up to .....unless extended on demand by the Board. Notwithstanding anything mentioned above, our liability against this Guarantee is restricted to Rs.....(Rupees.....), and unless a claim in writing is lodged with us within two months of the date of expiry or extended date of expiry of this Guarantee all our liabilities under this Guarantee shall stand discharged.

Dated the.....day of  
.....for .....  
(indicate the name of the Bank)



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**MORMUGAO PORT TRUST**  
**ENGINEERING CIVIL DEPARTMENT**

**TENDER NO: CE/22/2018**

**Name of work: “Repairs to damaged concrete panels of berth no. 10.”**

**DECLARATION**

I hereby declare, that I have read and understood the General conditions and Specifications of the work which are printed in Vol-I, supplied to me by the department which will form a part of tender and shall remain binding on me.

\_\_\_\_\_  
Signature of Tenderer.

**VENDOR REGISTRATION FORM**

1. Name of the Organization : \_\_\_\_\_
2. Address (In Detail) : \_\_\_\_\_  
\_\_\_\_\_
3. Telephone Number : \_\_\_\_\_
4. E-Mail Id : \_\_\_\_\_
5. Permanent Account Number (PAN) : \_\_\_\_\_
6. Bank Name : \_\_\_\_\_
7. Bank Branch Address ( In Detail) : \_\_\_\_\_  
\_\_\_\_\_
8. Bank Branch Code : \_\_\_\_\_
9. Bank Account Number : \_\_\_\_\_
10. Bank Account Type : \_\_\_\_\_
11. Magnetic Ink Character Recognizer (MICR) : \_\_\_\_\_
12. Tax Identification Number (TIN) : \_\_\_\_\_
13. GST Registration Number : \_\_\_\_\_



14. GST Registration Code : \_\_\_\_\_
15. CST Registration Number : \_\_\_\_\_
16. Employee Provident Fund (EPF) Registration Number : \_\_\_\_\_
17. Employee State Insurance Scheme (ESIS) Registration Number : \_\_\_\_\_
18. IFSC Code : \_\_\_\_\_

GST details

Sr No	Particular	Mormugao Port Trust	Data Required
1	Customer Name as per GST Registration Certificate	Mormugao Port Trust	
2	Full Postal Address	Administrative Building, Headland Sada.	
3	City	Goa	
4	Pin code	403 804	
5	PAN	AAALM0293P	
6	Type of Person	Local Authority	Company/Firm /Individual/Trust/LLP/AOP
7	Resident/Non Resident as per Income Tax Act	Resident	
8	ARN No.	AA30617001663N	
9	Provisional ID	30AAALM0293P1ZY	
10	GST No.	<b>30AAALM0293P1ZY</b>	
11	PPOB (Principal Place of Business) or APOB (Additional Place of Business)	PPOB	

1 2	Reason for Non Registration (Turnover Limit / Non Taxable Supply / Other Reason)	NA (Registered Under GST)	
1 3	Type of Customer (Manufacturer/Trader/Importer/Dep ot/Service Provider/Works Contractor/Principal/Consumer)	Service Provider	
1 4	Whether Falling under SEZ unit or Developer? (Yes or No)	No.	
1 5	Whether B2B or B2c (B= Business & C= Customer)	B2B	
1 6	Whether Opted for Composition Lavy Scheme? (Yes or No)	No.	
1 7	Whether falling under casual taxable person as per Section 2(20) of CGST Act,2017 (yes or No)	No.	
1 8	Whether falling under Non Resident taxable person as per section 2(77) of CGST Act,2017 ? (Yes or No)	No.	
1 9	Central Excise Registration No.	--	
2 0	Service Tax Registration No.	AAALM0293PST001	
2 1	VAT - TIN	30181201096	
2 2	CST - TIN	V/CST/1683	
2 3	IEC	1706000073	
2 4	Contact Details :		
	Name	Shri.Anant Chodnekar	
	Designation	Sr. Dy.CAO	
	Phone No.	0832-2521132	
	E-mail	<a href="mailto:facao@mptgoa.com">facao@mptgoa.com</a> anant.chodnekar@mptgo a.com	

I, Mr./Mrs. \_\_\_\_\_(Proprietor/Partner/Director) of  
M/s \_\_\_\_\_do certify that the information given  
above is complete and correct.

Place  
Date  
)

Signature  
(Name: