



Government Of Maharashtra



Divisional Forest Officer, Mangrove Division South Konkan.

Swapnpurti Bunglow, Behind Horizan Hall, At. Lakshminagar, Po. Varsoli. Tal. Alibag, Dis. Raigad,  
402209 Email: dfom.southkonkan@gmail.com



Ltr. Outw No./DFO/MDSK/Land/Project/843/Yr 2024-25

Date :- 31/03/2025

To,

**Head Environment & Authorized Signatory,**  
Adani Cementation Limited,  
Adani Corporate House, Shanti gram,  
Nr. Vaishno Devi Circle, S. G. Highway Khodiyar,  
Ahmedabad 382 421

**Subject:-** Diversion of 0.6497 ha for Berthing Jetty, Conveyor Corridor with Backup facility and approach road for Raigad Cement Bulk Terminal Proposed by Adani Cementation Limited at village Shahapur, Shahbaz, Taluka Alibag, Dist. Raigad in the state of Maharashtra- regarding.

**Reference:-** 1. Letter No. FC-1/MH-243/2021-NGP/8830, dated 29/10/2021, from the Ministry of Environment, Forests, and Climate Change, Government of India, Nagpur (Stage-I).  
2. Order dated 13/03/2025 from the Office of the Hon'ble Additional Principal Chief Conservator of Forests, Mangrove cell, Mumbai.  
3. Letter No. 763, dated 26/03/2025, from the Range Forest Officer, Mangrove Division, and South Konkan.

As per reference cited above, Head Environment & Authorized Signatory, Adani Cementation Limited, Adani Corporate House, Shanti gram, Khodiyar, Ahmedabad is requested to pay the item-wise amount of Compensatory levies as per the following details,

| Sr. No         | Item                                                                 | Condition No as mentioned in principal approval | Amount in Rs. | Mode of payment                                                                                                                                                                                                                                                                                                                           |           |              |                |                                        |                |               |           |             |        |                    |
|----------------|----------------------------------------------------------------------|-------------------------------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------|----------------|----------------------------------------|----------------|---------------|-----------|-------------|--------|--------------------|
| 1              | Cost of boundary of survey demarcation and Pillars on Diverted area. | xiv                                             | 722400/-      | E-payment on PARIVESH portal                                                                                                                                                                                                                                                                                                              |           |              |                |                                        |                |               |           |             |        |                    |
| 2              | Cost towards Compensatory Afforestation Scheme                       | xx                                              | 2,55,193/-    | Mangrove Foundation's Bank account <table><tr><td>Bank Name</td><td>CANARA BANK.</td></tr><tr><td>Account Holder</td><td>MANGROVE AND MARINE BIODIVERSITY C F M</td></tr><tr><td>Account Number</td><td>0129101115129</td></tr><tr><td>IFSC Code</td><td>CNRB0000214</td></tr><tr><td>Branch</td><td>MUMBAI FORT MARKET</td></tr></table> | Bank Name | CANARA BANK. | Account Holder | MANGROVE AND MARINE BIODIVERSITY C F M | Account Number | 0129101115129 | IFSC Code | CNRB0000214 | Branch | MUMBAI FORT MARKET |
| Bank Name      | CANARA BANK.                                                         |                                                 |               |                                                                                                                                                                                                                                                                                                                                           |           |              |                |                                        |                |               |           |             |        |                    |
| Account Holder | MANGROVE AND MARINE BIODIVERSITY C F M                               |                                                 |               |                                                                                                                                                                                                                                                                                                                                           |           |              |                |                                        |                |               |           |             |        |                    |
| Account Number | 0129101115129                                                        |                                                 |               |                                                                                                                                                                                                                                                                                                                                           |           |              |                |                                        |                |               |           |             |        |                    |
| IFSC Code      | CNRB0000214                                                          |                                                 |               |                                                                                                                                                                                                                                                                                                                                           |           |              |                |                                        |                |               |           |             |        |                    |
| Branch         | MUMBAI FORT MARKET                                                   |                                                 |               |                                                                                                                                                                                                                                                                                                                                           |           |              |                |                                        |                |               |           |             |        |                    |

Therefore, the mentioned amount should be deposited into the specified account, and the receipt of the deposit should be submitted to the office of the Divisional Forest Officer, Mangrove Division, South Konkan, so that further action can be taken in this matter.

Head Environment & Authorized Signatory, Adani Cementation Limited, Adani Corporate House, Shanti gram, Khodiyar, Ahmedabad is requested to submit the documents, certificates and undertaking as stipulated in principal approval as per following details:

| Sr. No. | Condition No as mentioned in principal approval | Name of documents/certificates /undertaking required to be submitted by user agency. |
|---------|-------------------------------------------------|--------------------------------------------------------------------------------------|
| 1       | vii                                             | Submit FRA-2006 certificate from collector Raigad.                                   |
|         |                                                 |                                                                                      |

Encl:- as above.

  
(Kanchar Pawar)

Divisional Forest Officer,  
Mangrove Division South Konkan.

Copy To:-

1. Additional Principal Chief Conservator of Forests, Nodal Office, Nagpur, Submitted for information.
2. Additional Principal Chief Conservator of Forests, Mangrove cell, Mumbai, Submitted for information.
3. Ass. Conservator of Forest, Mangrove Division, South Kankan, for information and necessary action.
4. Range Forest Officer, Mangrove Division, South Kankan, for information and necessary action.



सत्यमेव जयते

**GOVERNMENT OF MAHARASHTRA  
FOREST DEPARTMENT**



**MANGROVE DIVISION-SOUTH KONKAN  
MANGROVE CELL, ALIBAG-RAIGAD RANGE**

**DETAIL ESTIMATE**

**No.of Boundary Pillars 98.00**

**Name Of Work :- Providing and Erecting Permanant Boundary Demarcation Pillars for Diversion of 0.6497 ha for Berthing Jetty, Conveyor Corridor with Backup facility and approach road for Raigad Cement Bulk Terminal Proposed by Adani Cementation Limited at village Shahapur, Shahbaz, Taluka Alibag, Dist. Raigad in the state of Maharashtra-regarding. at Mangrove cell, Alibag-Raigad Range of Mangrove Division-South Konkan.**

**Work Portion Amount Rs. 587932.00**

**Grand Total Amount Rs. 722400.00**

## FACE SHEET

Division :- Mangrove Division-South Konkan  
Sanction Estimate :-  
Fund Head :-  
Major Head :-  
Minor Head :-  
Service Head :-  
Departmental Head :-

Estimate framed in the office of the Range Forest Office in Mangrove Division South Konkan and the probable expenses that will incurred in the Construction of Permanent Boundary Demarcation Pillars.

Name Of Work :- Providing and Erecting Permanant Boundary Demarcation Pillars for Diversion of 0.6497 ha for Berthing Jetty, Conveyor Corridor with Backup facility and approach road for Raigad Cement Bulk Terminal Proposed by Adani Cementation Limited at village Shahapur, Shahbaz, Taluka Alibag, Dist. Raigad in the state of Maharashtra-regarding. at Mangrove cell, Alibag-Raigad Range of Mangrove Division-South Konkan.

Work Portion Amount Rs. 587932.00  
Grand Total Amount Rs 722400.00

Administrative approved under No.

Technically sanctioned under No.

Dated

Dated

Estimate prepared by

Shri

Estimate Checked by

Shri

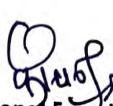
Call of Authority

Divisional Forest Officer, Mangrove Division South Konkan.

Note:- 1 As per the Govt. of Maharashtra Revenue and forest Department's notification Royalty charges Rs 600/Brass,i.e.Rs 211.95/Cum.agency will have to produce documentary evidences to the concerned executive engineer or concern authority.as regards payment made by agency to revenue department toward royalty charges. If such documentary evidence is not produced to the to the concerned executive engineer or concern authority the componant of royalty charges as contemplated in the item shall not be paid to the agency.as per the note in DSR royalty charges are included in the respective all item and supply of natural minarals i.e.Rubble,Metal,Sand,Murum etc.Hence deduction for the same is made from the agency.

General Description as per separate sheet attached

  
RFO  
Range Forest Officer  
Alibag Mangrove Cell

  
Divisional Forest Officer  
Mangrove Division-South Konkan

Divisional Forest Office,  
Mangrove Division, South Konkan,  
Alibag-Raigad

  
ACF  
सहा. वनसंरक्षक  
कांदळवन विभाग दक्षिण कोकण  
अलिबाग - रायगड

## GENERAL REPORT

**Name Of Work :-** Providing and Erecting Permanent Boundary Demarcation Pillars for Diversion of 0.6497 ha for Berthing Jetty, Conveyor Corridor with Backup facility and approach road for Raigad Cement Bulk Terminal Proposed by Adani Cementation Limited at village Shahapur, Shahbaz, Taluka Alibag, Dist. Raigad in the state of Maharashtra- regarding. at Mangrove cell, Alibag-Raigad Range of Mangrove Division-South Konkan.

**Work Portion Amount Rs. 587932.00**

**Grand Total Amount Rs. 722400.00**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Authority</b>     | Divisional Forest Officer, Mangrove Division-South Konkan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Necessity</b>     | Demarcation of the outer boundary of compartment (Mangrove forest land boundary) is essential. It is also essential for protection and conservation of Mangroves. Therefore, this estimate is prepared                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Provisions</b>    | <p><b>Following provision are made in this Estimate.</b></p> <ol style="list-style-type: none"><li>1 Clearing the site before given layout</li><li>2 Excavation for foundation in earth, soil of all types, sand, gravel and soft murum</li><li>3 Dewatering on BHP basis by using water pump including diversion of stream</li><li>4 Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids</li><li>5 Providing and laying Cast in situ/Ready Mix cement concrete in M-15</li><li>6 Providing and laying concrete pipes of I.S.NP. class of 150mm dia</li><li>7 Providing and laying Cast in situ/Ready Mix cement concrete in M20</li><li>8 Providing and applying white-wash in one coat on old / new plastered surfaces</li><li>9 A Providing and applying two coats of flat oil paint of approved colour and shade</li><li>10 Painting with approved enamel paint in two coats including cleaning surface and lettering</li></ol> |
| <b>Rates</b>         | Rates adopted in the Estimate are as per SSR 2022-23 w.e.f 25-07- 2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Specification</b> | The work will be carried out as per standard specification of Public Work Department, and as directed by Engineer-Incharge from time to time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Lead</b>          | Lead for Material Considered in Estimate is Given by RFO, Alibag-Raigad                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

### Important issues for State Schedule of Rates

#### Section A - General Notes.

##### iv) Taxes and Govt. Circulars.

a) Material Rates are exclusive of GST (Goods & Service Tax). Rates for completed items are also exclusive of GST. While preparing the estimates, separate provision for GST shall be made in recapitulation sheet

b) As per Govt. Circular No.SSR - 1090/CR-6453/PLN-3 Dt. 14.07.1993 and as per GR of Industries and power Department No. BCA-2009/CR-108/Labour 7-A dated 17.06.2010, Labour Cess at 1% has been considered separately in Rate Abstracts

v) The Government of Maharashtra, Revenue and Forest Departments Gazette No 67 Dt 15 May 2015, States that the Royalty charges of Rs. 600/- Per Brass (i.e. Rs.211.95 /cum.) are to be considered The surcharge levied on Royalty shall also be payable to the contractor in following manner. Royalty charges on all minor minerals do not form part of Rate Abstract and shall be reimbursed separately on production of proof to that effect. The Superintending Engineer, Shall be modify and circulate Royalty charges in case of any modification are made by Govt. of Maharashtra. Royalty charges against estimated quantity shall be included in Recapitulation sheet

vi) For crusher metal separate royalty charges shall not be considered as it is a finished product.

In SSR for Items of Completed Itt Rates which are inclusive of Material i.e. Rubble, murum, Soil, 60mm/40mm Metal (Hand Broken) Royalty Charges are not Included in the rates. Prevalent Royalty Charges Including Surcharge shall be Separately Considered while preparing the Estimate and shall be part of Shedule -B of Tender. Any revision in Royalty Charges and Surcharge shall be included in the rate analysis of the respective item. If there is variation in these rates the difference shall be paid extra over the Items to the contractor and shall be recovered if these rates are reduced by Govt. i.e. Revenue Department.

#### Section B - Instructions for preparing estimate.

1A) As per revised circular issued by Dy. Directorate of Insurance Maharashtra State vide letter No. क्र. प्रविनी-2314/देयक कपात रक्कम/ संकीर्ण/ अभि-3, दिनांक 31/03/2015, Insurance towards labour is not considered in rate abstract of SSR items Provision for the same shall be made in the recapitulation sheet as follows.

a) Work value upto :- 25.00 Lakhs - 1.00%

b) Work value above :- 25.00 Lakhs - 0.50%

1B) As per revised circular issued by Dy. Directorate of Insurance Maharashtra State vide letter No. क्र. प्रविनी-2314/देयक कपात रक्कम/ संकीर्ण/ अभि-3, दिनांक 31/03/2015, Insurance towards labour is not considered in rate abstract of SSR items. Provision for the same shall be made in the recapitulation sheet as follows.

xvii) While preparing Estimate, actual and practical distance of worksite from quarries shall be taken and adequate quantity of good quality material shall be ascertained by concerned Executive Engineer. Extra care shall be taken in case of lead of murum and sand.

xviii) Provision shall be made for taking Photographs, Video Shooting, load testing etc. separately in detail estimate and shall form part of Schedule B.

#### Section C - Testing of Materials

##### DETAIL ESTIMATE

ii) For Specific tests like span load tests, plate/ pile load test etc. which are not included in the rate analysis of item, the rates for these tests shall be prepared on the basis of rates approved by M.E.R.I./ any competent Institute of Govt. of Maharashtra or Govt. of India.

#### Section D - Instructions for tender Clause

i) The contractor shall produce the work insurance policy, the same will be reimbursed to the contractor. If contractor fails to produce the work insurance policy, Concerned Executive Engineer shall draw the policy, the expenditure incurred for drawing the policy shall be recovered from the 1st R.A. bill of the contractor as penalty to the Contractor.

ii) If completion period of work is Extended, then period of work Insurance must be renewed/ extended as per requirement

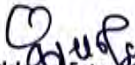
#### General Note for Execution of Work

For all items of Maintenance for Road, Buildings and Bridges - Photographs showing initial conditions and Photographs showing conditions after execution if that particular item should be attached with Measurement book. Provision of Such items expenditure shall be made in estimate itself or through contingencies.

**CERTIFICATE-** the Estimate is 100% arithmetically checked by me and found to be correct.

  
RFO

Range Forest Officer  
Alibag Mangrove Cell



Divisional Forest Officer  
Mangrove Division-South Konkan

Divisional Forest Office,  
Mangrove Division, South Konkan,  
Alibag-Raigad

  
सहा. वनसंरक्षक

कांदळवन विभाग दक्षिण कोकण  
अलिबाग - रायगड

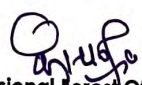
Name Of Work :- Providing and Erecting Permanant Boundary Demarcation Pillars for Diversion of 0.6497 ha for Berthing Jetty, Conveyor Corridor with Backup facility and approach road for Raigad Cement Bulk Terminal Proposed by Adani Cementation Limited at village Shahapur, Shahbaz, Taluka Alibag, Dist. Raigad in the state of Maharashtra-regarding. at Mangrove cell, Alibag-Raigad Range of Mangrove Division-South Konkan.

#### RECAPITULATION SHEET

| Sr.No. | ITEM OF WORK                                       | AMOUNT (Rs.)    |
|--------|----------------------------------------------------|-----------------|
| A      | Total Work Portion Amount for Boundary Pillar      | Rs. 5,67,978.00 |
| B      | Add Royalty Charges for Boundary Pillar Amount     | Rs. 6,794.00    |
| C      | Add Quality Control & Testing Charges for B.Pillar | Rs. 13,160.00   |
| D      | Total Amount (A + B + C) = D                       | Rs. 5,87,932.00 |
| E      | Add 18% For GST On (A)                             | Rs. 1,02,236.00 |
| F      | Add 0.50% for Labour Insurance On (A)              | Rs. 2,840.00    |
| G      | Add 5% Contigensis On (D) = G                      | Rs. 29,397.00   |
| H      | Gross Total Amount Rs (D+E +F+G) = H               | Rs. 7,22,405.00 |
|        | Say Rs.                                            | 7,22,400.00     |

  
Range Forest Officer  
Alibag-Raigad Range

  
Asst. Conservator of Forest  
Mangrove Division-South Konkan

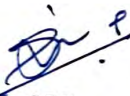
  
Divisional Forest Officer  
Mangrove Division-South Konkan  
Divisional Forest Office,  
Mangrove Division, South Konkan,  
Alibag-Raigad

**Name Of Work :- Providing and Erecting Permanant Boundary Demarcation Pillars for Diversion of 0.6497 ha for Berthing Jetty, Conveyor Corridor with Backup facility and approach road for Raigad Cement Bulk Terminal Proposed by Adani Cementation Limited at village Shahapur, Shahbaz, Taluka Alibag, Dist. Raigad in the state of Maharashtra- regarding. at Mangrove cell, Alibag-Raigad Range of Mangrove Division-South Konkan.**

| SR.NO | ITEM OF WORK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | UNIT | QTY    | RATE    | AMOUNT   |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|---------|----------|
| 1     | Removing grass, gazer grass and disposing off out of building premises including making clean the ground by shovel and phavaras etc. complete.                                                                                                                                                                                                                                                                                                                                                     | Sqmt | 245.00 | 6.45    | 1580.25  |
| 2     | Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5 m.) By Mechanical                                                                                            | Cum  | 57.62  | 223.35  | 12869.43 |
| 3     | Dewatering on BHP basis by using water pump including diversion of stream, providing cofferdams, earthen bunds etc. as may be necessary for foundation and other parts of the the works and pumping out water during and after excavation as may be required by using 3.0 BHP pump etc. complete. (After approval of Superintendent)                                                                                                                                                               | Hr   | 195.66 | 193.15  | 37791.15 |
| 4     | Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.                                                                                                                                                                                                                                                                                                                                                      | Cum  | 14.41  | 1334.60 | 19226.25 |
| 5     | Providing and laying Cast in situ/Ready Mix cement concrete in M-15 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, Steel centering, formwork, laying/pumping, com pacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate | Cum  | 4.80   | 8365.60 | 40171.61 |
| 6     | Providing and laying concrete pipes of I.S.NP. class of 150mm diameter in proper line, level and slope including necessary collars, excavation, laying, fixing with collars in cement mortar 1:1 and refilling the trench complete                                                                                                                                                                                                                                                                 | Rmt  | 196.00 | 571.85  | 112082.6 |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |         |         |           |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------|---------|-----------|
| 7  | Providing and laying Cast in situ/Ready Mix cement concrete in M20 of trap / ranite/quartzite/gneiss metal for bed blocks, foundation blocks and such other items including bailing out water, Steel centering, formwork, laying/ pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.), with fully automatic micro processor based PLC with SCADA enabled versatile Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / | Cum  | 31.51   | 8726.15 | 274934.81 |
| 8  | Providing and applying white-wash in one coat on old / new plastered or masonry surfaces and asbestos cement sheets including scaffolding and preparing the surface by brushing and brooming down etc. complete.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Sqmt | 48.12   | 8.65    | 416.22    |
| 9  | A Providing and applying two coats of flat oil paint of approved colour and shade to internal / external plastered surfaces including scaffolding if necessary, cleaning and preparing the surface (excluding primer coat) etc. Complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Sqmt | 48.12   | 109.00  | 5244.86   |
| 10 | Painting with approved enamel paint in two coats including cleaning surface and lettering for Boundary Stonestone etc. complete.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Nos  | 1372.00 | 46.40   | 63660.8   |

**Total Work Portion Rs.=(A) 567978.00**

  
**RFO**  
**Range Forest Officer**  
**Alibag Mangrove Cell**

  
**ACF**  
**Mangrove Division South Konkan**

**Name Of Work :- Providing and Erecting Permanant Boundary Demarcation Pillars for Diversion of 0.6497 ha for Berthing Jetty, Conveyor Corridor with Backup facility and approach road for Raigad Cement Bulk Terminal Proposed by Adani Cementation Limited at village Shahapur, Shahbaz, Taluka Ailbag, Dist. Raigad In the state of Maharashtra- regarding. at Mangrove cell, Ailbag-Raigad Range of Mangrove**

**MEASUREMENT SHEET**

**Total Nos of Boundary Pillars = 98.00 Nos**

| ITEM NO.1        | ITEM OF WORK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Unit | NO    | L     | B               | D/H  | QTY.          |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|-------|-----------------|------|---------------|
|                  | <b>Removing grass, gazer grass and disposing off out of building premises including making clean the ground by shovel and phavaras etc. complete.</b>                                                                                                                                                                                                                                                                                                                                                 |      |       |       |                 |      |               |
|                  | <b>As directed by Engineer In charge.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |       |       |                 |      |               |
|                  | <b>S.S.R. Item No.21.34/Page No.157</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |       |       |                 |      |               |
|                  | For Total No. of Boundary Pillar                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Samt | 1.00  | 98.00 | 2.50            |      | 245.00        |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |       |       | <b>Net Qty.</b> |      | <b>245.00</b> |
| <b>ITEM NO.2</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |       |       |                 |      |               |
|                  | <b>Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5 m.) By Mechanical Means</b>                                                                                  |      |       |       |                 |      |               |
|                  | <b>Spec.No. :Bd.A1 Page No.259</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |       |       |                 |      |               |
|                  | <b>S.S.R. Item No.21.02/Page No.153</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |       |       |                 |      |               |
|                  | For Total No. of Boundary Pillar                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Cum  | 98.00 | 0.70  | 0.70            | 1.20 | 57.62         |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |       |       | <b>Net Qty.</b> |      | <b>57.62</b>  |
| <b>ITEM NO.3</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |       |       |                 |      |               |
|                  | <b>Dewatering on BHP basis by using water pump including diversion of stream, providing cofferdams, earthen bunds etc. as may be necessary for foundation and other parts of the the works and pumping out water during and after excavation as may be required by using 3.0 BHP pump etc. complete. (prior approval of Superintending Engineer will be necessary)</b>                                                                                                                                |      |       |       |                 |      |               |
|                  | <b>Spec.No. :BR 4 B Page No.104,105</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |       |       |                 |      |               |
|                  | <b>S.S.R. Item No.12.22/Page No.104</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |       |       |                 |      |               |
|                  | For Total No. of Boundary Pillar                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Cum  | 98.00 |       |                 | 2.00 | 195.66        |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |       |       | <b>Net Qty.</b> |      | <b>195.66</b> |
| <b>ITEM NO.4</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |       |       |                 |      |               |
|                  | <b>Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.</b>                                                                                                                                                                                                                                                                                                                                                  |      |       |       |                 |      |               |
|                  | <b>As directed by Engineer in charge.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |       |       |                 |      |               |
|                  | <b>S.S.R. Item No.21.40 /Page No.194</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |       |       |                 |      |               |
|                  | For Total No. of Boundary Pillar                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Cum  | 98.00 | 0.70  | 0.70            | 0.30 | 14.41         |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |       |       | <b>Net Qty.</b> |      | <b>14.41</b>  |
| <b>ITEM NO.5</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |       |       |                 |      |               |
|                  | <b>Providing and laying Cast in situ/Ready Mix cement concrete in M-15 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, Steel centering, formwork, laying/pumping, com pacting, roughening them if special finish is to be provided, finishing if required and curing complete with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Bm mixed etc. complete With fine aggregate</b> |      |       |       |                 |      |               |
|                  | <b>Spec.No. :Bd.E.2 Page No. 288</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |       |       |                 |      |               |
|                  | <b>S.S.R. Item No.24.04/Page No.215</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |      |       |       |                 |      |               |
|                  | For Total No. of Boundary Pillar                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Cum  | 98.00 | 0.70  | 0.70            | 0.10 | 4.80          |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |       |       | <b>Net Qty.</b> |      | <b>4.80</b>   |

**ITEM NO.6**

Providing and laying concrete pipes of I.S.NP. class of 150mm diameter In proper line, level and slope including necessary collars, excavation, laying, fixing with collars in cement mortar 1:1 and refilling the trench complete

Spec. No. Bd.V.41 Page No.573

S.S.R. Item No.42.07 /Page No.342

For Total No. of Boundary Pillar

|     |       |     |          |  |        |
|-----|-------|-----|----------|--|--------|
| Rmt | 98.00 | 2.0 |          |  | 196.00 |
|     |       |     | Net Qty. |  | 196.00 |

**ITEM NO.7**

Providing and laying Cast in situ/Ready Mix cement concrete in M20 of trap / ranite/quartzite/gneiss metal for bed blocks, foundation blocks and such other items including bailing out water, Steel centering, formwork, laying/ pumping, compacting, roughening themif special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The cement Mortar 1:3 plaster is considered for rendering uneven and oneycombed surface only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.), with fully utomatic micro processor based PLC with SCADA enabled versible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finelv washed etc.)

Spec.No.: Bd.E.4 Page No.289

S.S.R. Item No.24.10/Page No.216

For Total No. of Boundary Pillar

Foundation block Below G.L

Foundation Block Above G.L

Inside Pipe  $A=(\pi \times r \times r) \times L$

Duduction For Pipe  $A=(\pi \times r \times r)$

|     |        |      |          |     |       |
|-----|--------|------|----------|-----|-------|
| Cum | 98.00  | 0.6  | 0.6      | 0.8 | 28.22 |
| Cum | 98.00  | 0.45 | 0.45     | 0.2 | 3.97  |
| Cum | 98.00  |      | 0.01     | 1.3 | 1.27  |
| Cum | -98.00 |      | 0.02     | 1   | -1.96 |
|     |        |      | Net Qty. |     | 31.51 |

**ITEM NO.8**

Providing and applying white-wash in one coat on old / new plastered or masonry surfaces and asbestos cement sheets including scaffolding and preparing the surface by brushing and brooming down etc. complete.

Spec.No.: Bd.P.1 Page No 411

S.S.R. Item No.36.02/Page No.279

For Total No. of Class-I Boundary Pillar

|      |       |      |          |   |       |
|------|-------|------|----------|---|-------|
| Sqmt | 98.00 | 0.47 |          | 1 | 46.16 |
| Sqmt | 98.00 | 0.02 |          |   | 1.96  |
|      |       |      | Net Qty. |   | 48.12 |

**ITEM NO.9**

A Providing and applying two coats of flat oil paint of approved colour and shade to internal / external plastered surfaces including scaffolding if necessary, cleaning and preparing the surface (excluding primer coat) etc. Complete

Spec.No.: Bd.O.7 Page No 406

S.S.R. Item No.35.12/Page No.276

Qty same as white wash

|      |  |  |          |  |       |
|------|--|--|----------|--|-------|
| Sqmt |  |  |          |  | 48.12 |
|      |  |  | Net Qty. |  | 48.12 |

**ITEM NO.10**

Painting with approved enamel paint in two coats including cleaning surface and lettering for Boundary Stonestone etc. complete

Spec.No.: MORTH 807

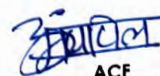
S.S.R. Item No.6.04d/Page No.53

Lettering of Boundary Pillar (GPS Co-ordinates)

|     |       |    |          |  |         |
|-----|-------|----|----------|--|---------|
| Nos | 98.00 | 14 |          |  | 1372.00 |
|     |       |    | Net Qty. |  | 1372.00 |

  
RFO

Range Forest Officer  
Alibag Mangrove Cell

  
ACF

Mangrove Division South Konkan

# Rate Analysis (PWD SSR 2022-23)

Name Of Work :- Providing and Erecting Permanent Boundary Demarcation Pillars for Diversion of 0.6497 ha for Berthing Jetty, Conveyor Conidor with Backup facility and approach road for Raigad Cement Bulk Terminal Proposed by Adani Cementation Limited at village Shahapur, Shahbaz, Taluka Allibag, Dist. Raigad in the state of Maharashtra- regarding. at Mangrove cell, Allibag-Raigad Range of Mangrove Division-South Konkan.

| ADD CARTING OF MATERIAL AS PER LATEST RATE |          |          |                                                                        |                                    |      |                       |                                                                                 |           |                               |       |        |      |       |         |        |       |         |      |       |                              |       |       |        |                                                                              |                    |                    |                      |       |       |       |       |        |       |       |       |        |       |         |     |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Sr. No.                                    | Item No. | Ref. No. | Description of the Item                                                | Additional Specification           | Unit | Completed Rate in Rs. | Deduct 1% of Labour Amenities & other overhead charge & C.Profits, 10% = 21.00% | Sub Total | Add 10% for Tidal Areas = 10% | Buld. |        |      |       |         |        |       |         |      |       | Total Transportation Charges |       |       |        | Add 1% of Labour Amenities & other overhead charge & C.Profits, 10% = 21.00% | Gross Total Amount | Final Rate Adopted |                      |       |       |       |       |        |       |       |       |        |       |         |     |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                            |          |          |                                                                        |                                    |      |                       |                                                                                 |           |                               | Metal |        |      |       |         | Bricks |       |         |      |       | Rd                           |       |       |        |                                                                              |                    |                    | Total Transportation |       |       |       |       |        |       |       |       |        |       |         |     |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                            |          |          |                                                                        |                                    |      |                       |                                                                                 |           |                               | 45 Km | 841.30 | 0.53 | 45 Km | 1029.24 | 80mm   | 45 Km | 1029.24 | Sand | 80 Km | 1273.71                      | Murum | 05 Km | 252.22 |                                                                              |                    |                    | Cement               | 45 Km | 31.11 | Steel | 05 Km | 282.91 | Tiles | 05 Km | 16.50 | Rubble | 45 Km | 1029.24 | Qty | Amt | Qty | Amt | Qty | Amt |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1                                          | 21.34    | BDW      | Removing grass, gazer grass and disposing off out of building premises | As directed by Engineer in charge. | Sqmt | 6.00                  | 1.26                                                                            | 4.74      | 0.47                          |       |        |      |       |         |        |       |         |      |       |                              |       |       |        |                                                                              |                    |                    |                      |       |       |       |       |        |       |       |       |        |       |         |     |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|    |       |       |                                                                                                                                              |                       |      |         |         |         |        |      |        |       |        |      |        |         |         |         |         |
|----|-------|-------|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------|---------|---------|---------|--------|------|--------|-------|--------|------|--------|---------|---------|---------|---------|
| 7  | 24.10 | BDE4  | Providing and laying Cast in situ/Ready Mix cement concrete in M20 of trap / ranite/quartzite/gneiss metal for bed blocks. foundation blocks | Bd.E.4<br>Page No.289 | Cum  | 6721.00 | 1411.41 | 5309.59 | 530.96 | 7.00 | 217.74 | 0.425 | 541.33 | 0.85 | 715.11 | 1474.17 | 1411.41 | 8726.13 | 8726.15 |
| 8  | 36.02 | BDF1  | Providing and applying white-wash in one coat on old / new plastered or masonry surfaces and asbestos cement sheets                          | Bd.P.1<br>Page No.411 | Sqmt | 8.00    | 1.68    | 6.32    | 0.63   |      |        |       |        |      | 0.00   | 1.68    | 8.63    |         | 8.65    |
| 9  | 35.12 | BDO7  | A Providing and applying two coats of flat oil paint of approved colour and shade                                                            | Bd.O.7<br>Page No.406 | Sqmt | 101.00  | 21.21   | 79.79   | 7.98   |      |        |       |        |      | 0.00   | 21.21   | 108.98  |         | 109.00  |
| 10 | 6.04d | MORTH | Painting with approved enamel paint in two coats including cleaning surface and lettering for Boundary Stonestone                            | MORTH<br>807          | No   | 43.00   | 9.03    | 33.97   | 3.40   |      |        |       |        |      | 0.00   | 9.03    | 46.40   |         | 46.40   |

  
**Range Forest Officer**  
**Alibag Mangrove Cell**

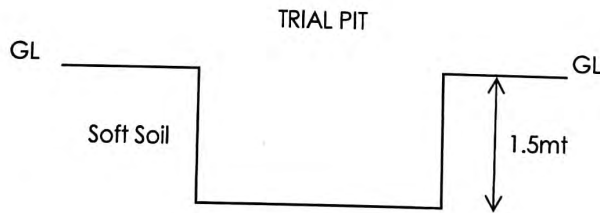
  
**संयोजक**

**सहा. वनसंरक्षक**  
**कांदळवन विभाग दक्षिण कोकण**  
**अलिबाग - रायगड**

**Name Of Work :- Providing and Erecting Permanant Boundary Demarcation Pillars for Diversion of 0.6497 ha for Berthing Jetty, Conveyor Corridor with Backup facility and approach road for Raigad Cement Bulk Terminal Proposed by Adani Cementation Limited at village Shahapur, Shahbaz, Taluka Alibag, Dist. Raigad in the state of Maharashtra- regarding. at Mangrove cell, Alibag-Raigad Range of Manarove Division-South Konkan.**

**Lead Statement**

| Sr.No | Material           | Name of Quarry | Lead in KM | Rate    | Unit         |
|-------|--------------------|----------------|------------|---------|--------------|
| 1     | Metal 6mm to 40mm  | Mapgaon        | 45 Km      | 841.30  | Cu.M         |
| 2     | Metal 40mm & Above | Mapgaon        | 45 Km      | 806.24  | Cu.M         |
| 3     | Sand               | Bhonanag       | 80 Km      | 1273.71 | Cu.M         |
| 4     | Murum              | Local          | 05 KM      | 252.22  | Cu.M         |
| 5     | Bricks             | Local          | 05 KM      | 531.38  | Per 1000 Nos |
|       |                    |                |            | 0.53    | Per Nos      |
| 6     | Steel              | Nearby Market  | 15 KM      | 282.91  | M.T.         |
| 7     | Cement             | Mapgaon        | 45 Km      | 622.10  | M.T.         |
|       |                    |                |            | 31.11   | Per Bag      |
| 8     | Flooring Tiles     | Nearby Market  | 05 KM      | 16.50   | Sq.M         |
| 9     | Rubble             | Mapgaon        | 45 Km      | 1029.24 | Cu.M         |



*[Signature]*  
**REO**  
**Range Forest Officer**  
**Alibag Mangrove Cell**

*[Signature]*  
**सहा. वनसंरक्षक**  
**कांदळवन विभाग दक्षिण कोकण**  
**अलिबाग - रायगड**

# Royalty Statement

Name Of Work :- Providing and Erecting Permanent Boundary Demarcation Pillars for Diversion of 0.6497 ha for Berthing Jetty, Conveyor Corridor with Backup facility and approach road for Raigad Cement Bulk Terminal Proposed by Adani Cementation Limited at village Shahapur, Shahbaz, Taluka Alibag, Dist. Raigad in the state of Maharashtra- regarding. at Mangrove cell, Alibag-Raigad Range of Mangrove Division-South Konkan.

| Sr.No | Description of the Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Unit | Total Qty. of Item      | 80mm. Metal |      | Murum  |      | Sand    |         | Rubble |       |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------|-------------|------|--------|------|---------|---------|--------|-------|
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |                         | Coefl.      | Qty  | Coefl. | Qty  | Coefl.  | Qty     | Coefl. | Qty   |
| 1     | Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Cum  | 14.41                   | 0.00        | 0.00 | 0.00   | 0.00 | 0.00    | 0.00    | 1.00   | 14.41 |
| 2     | Providing and laying Cast in situ/Ready Mix cement concrete in M-15 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, Steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate                                                                                                                                                                                                                                                                                                                         | Cum  | 4.80                    | 0.00        | 0.00 | 0.00   | 0.00 | 0.44    | 2.11    | 0.00   | 0.00  |
| 3     | Providing and laying Cast in situ/Ready Mix cement concrete in M20 of trap / rante/quartzite/gneiss metal for bed blocks, foundation blocks and such other items including bailing out water, Steel centering, formwork, laying/ pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The ement Mortar 1:3 plaster is considered for rendering uneven and oneycombed surface only. Newwy laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.), with fully utomatic micro processor based PLC with SCADA enabled verible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc complete. With fine aggregate (Natural Sand / Crushed sand vsj Grade finely washed etc) | Cum  | 31.51                   | 0.00        | 0.00 | 0.00   | 0.00 | 0.425   | 13.39   | 0.00   | 0.00  |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      | Total Qty.              | 0.00        | 0.00 | 0.00   | 0.00 | 15.50   | 14.41   |        |       |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      | Royalty Charges per Cum | 216.18      |      | 216.18 |      | 237.37  | 216.18  |        |       |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      | Royalty Amount Rs.      | 0.00        |      | 0.00   |      | 3680.03 | 216.18  |        |       |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      | Total Amount            |             |      |        |      | 6794.00 | 3114.29 |        |       |

  
Range Forest Officer  
Alibag Mangrove Cell

  
सहा. वनसंरक्षक  
कांदळवन विभाग दक्षिण कोकण  
अलिबाग - रायगड

Name Of Work :- Providing and Erecting Permanant Boundary Demarcation Pillars for Diversion of 0.6497 ha for Berthing Jetty, Conveyor Contidor with Backup facility and approach road for Raigad Cement Bulk Terminal Proposed by Adani Cementation Limited at village Shahapur, Shahbaz, Taluka Alibag, Dist. Raigad in the state of Maharashtra- regarding. at Mangrove cell, Alibag-Raigad Range of Mangrove Division-South Konkan.

NOTE : Provision for laboratory testing charges. For reimbursement of actual amount of testing charges paid by the contractor, he should produce documentary evidences along with laboratory reports from approved registered Govt. Laboratory of Pwd/Engineering College Etc.

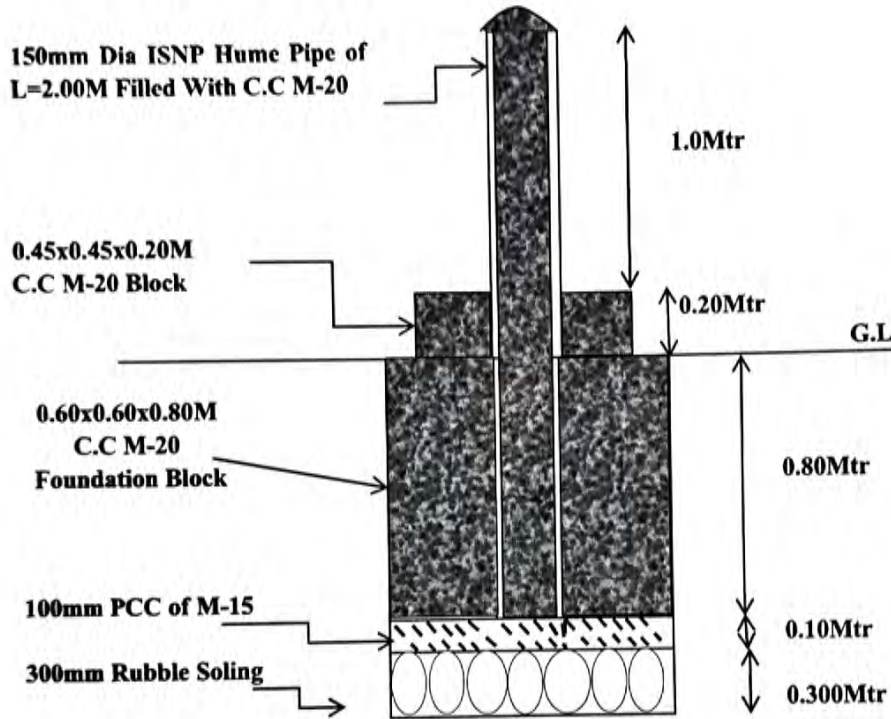
Provision of Quality Control Test and Materials Testing Charges (as per CSR Sr.No.9, Page No. iv) Rate as per Vigilance & Quality Control Circle.Schedule of Testing charges for Construction Material used for Government Works for the Year 2022-23 (Effective from 01/07/2022 and valid up to 30.6.2023)

| Name of Tests                                                                                                   | No. of Test | Rate per Test | Frequency | Amount   |
|-----------------------------------------------------------------------------------------------------------------|-------------|---------------|-----------|----------|
| <b>1) Basic Test of Cement</b>                                                                                  |             |               |           |          |
| Standard Consistency Finess, Specific Gravity, Setting Time (Initial & Final), Compressive Strength, Soundness, | 1.00        | 3960          | 1.00      | 3960.00  |
| <b>2) Basic Test of Aggregate</b>                                                                               |             |               |           |          |
| Water Absorption, Specific Gravity, Impact Value/ Crushing Value,                                               | 1.00        | 2730          | 1.00      | 2730.00  |
| <b>3) Fine Aggregate</b>                                                                                        |             |               |           |          |
| Fineness Modulus ( Sieve Analysis ), Silt & Clay Content                                                        | 1.00        | 1450          | 1.00      | 1450.00  |
| <b>4) Cement Concrete</b>                                                                                       |             |               |           |          |
| Compressive strength of C.C. Cube (Set of 3 Cubes)                                                              | 4.00        | 725           | 1.00      | 2900.00  |
| <b>5) STONE/ RUBBLE</b>                                                                                         |             |               |           |          |
| Crushing Value/ Compressive Strength, Water Absorption & Specific Gravity,                                      | 1.00        | 2120          | 1.00      | 2120.00  |
| Total Amount Rs.                                                                                                |             |               |           | 13160.00 |

  
Range Forest Officer  
Alibag Mangrove Cell

  
सहा. वनसंरक्षक  
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अलिबाग - रायगड

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**SECTIONAL VIEW OF BOUNDARY DEMARCTION PILLAR**

**ADVANCE COPY**

**FOR COMMENTS/ESTIMATION  
PURPOSE ONLY**

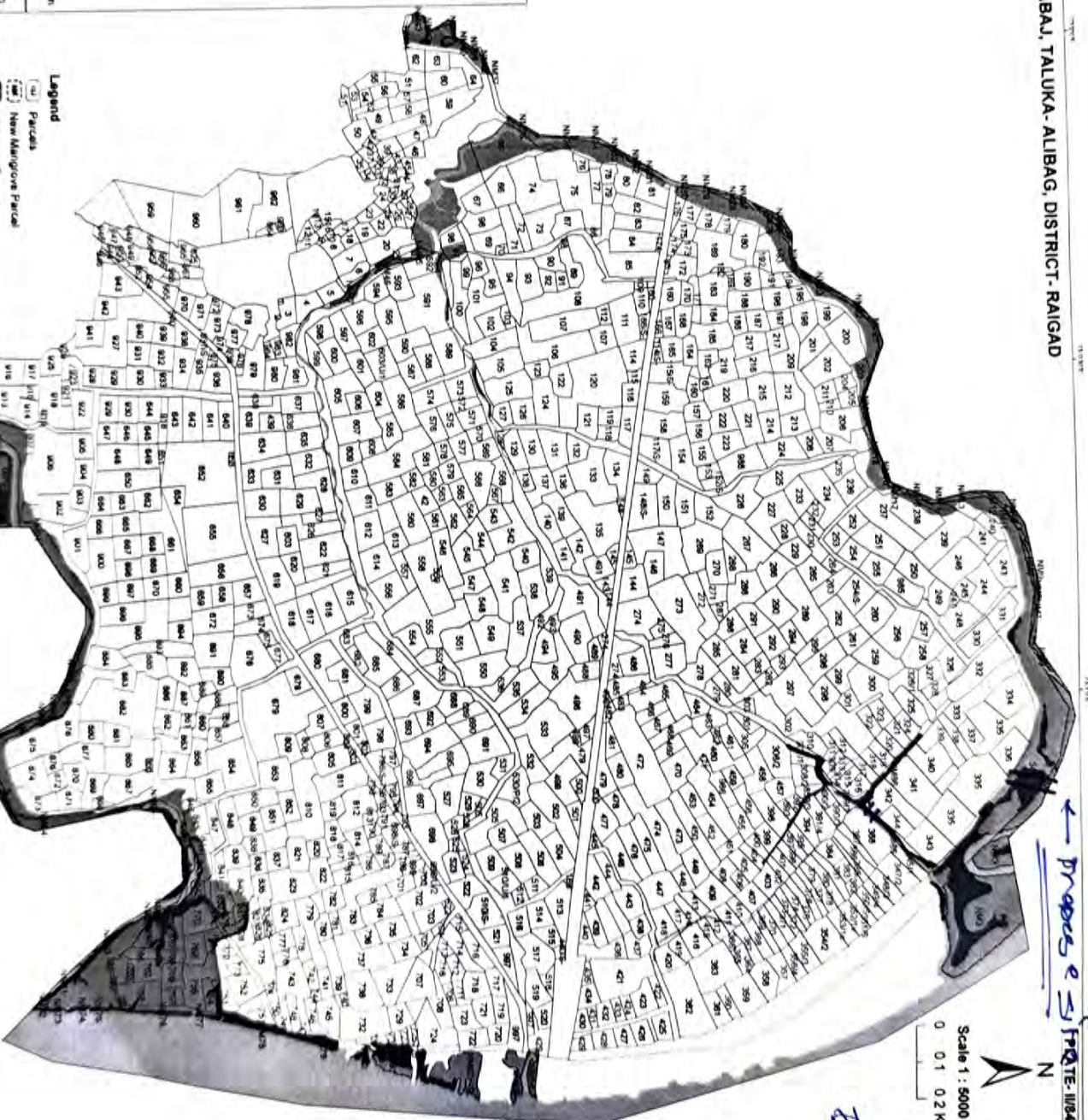
**RFO  
Range Forest Officer  
Alibag Mangrove Cell**

**सहा. वनसंरक्षक  
कांदळवन विभाग दक्षिण कोकण  
अलिबाग - रायगड**

MOUZE SHAHABAJ, TALUKA ALIBAG, DISTRICT- RAIGAD

← Proper & JPRATE-1084

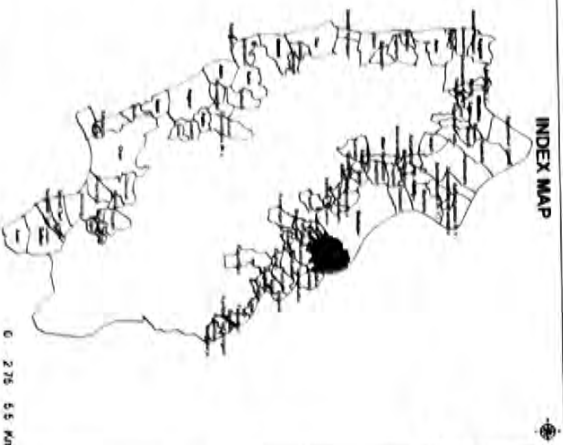
Scale 1 : 5000  
0 0.1 0.2 Km



Legend

- Parcel
- New Mangrove Parcel
- Mangrove Dense
- Mangrove Sparse
- Water
- Creek

INDEX MAP



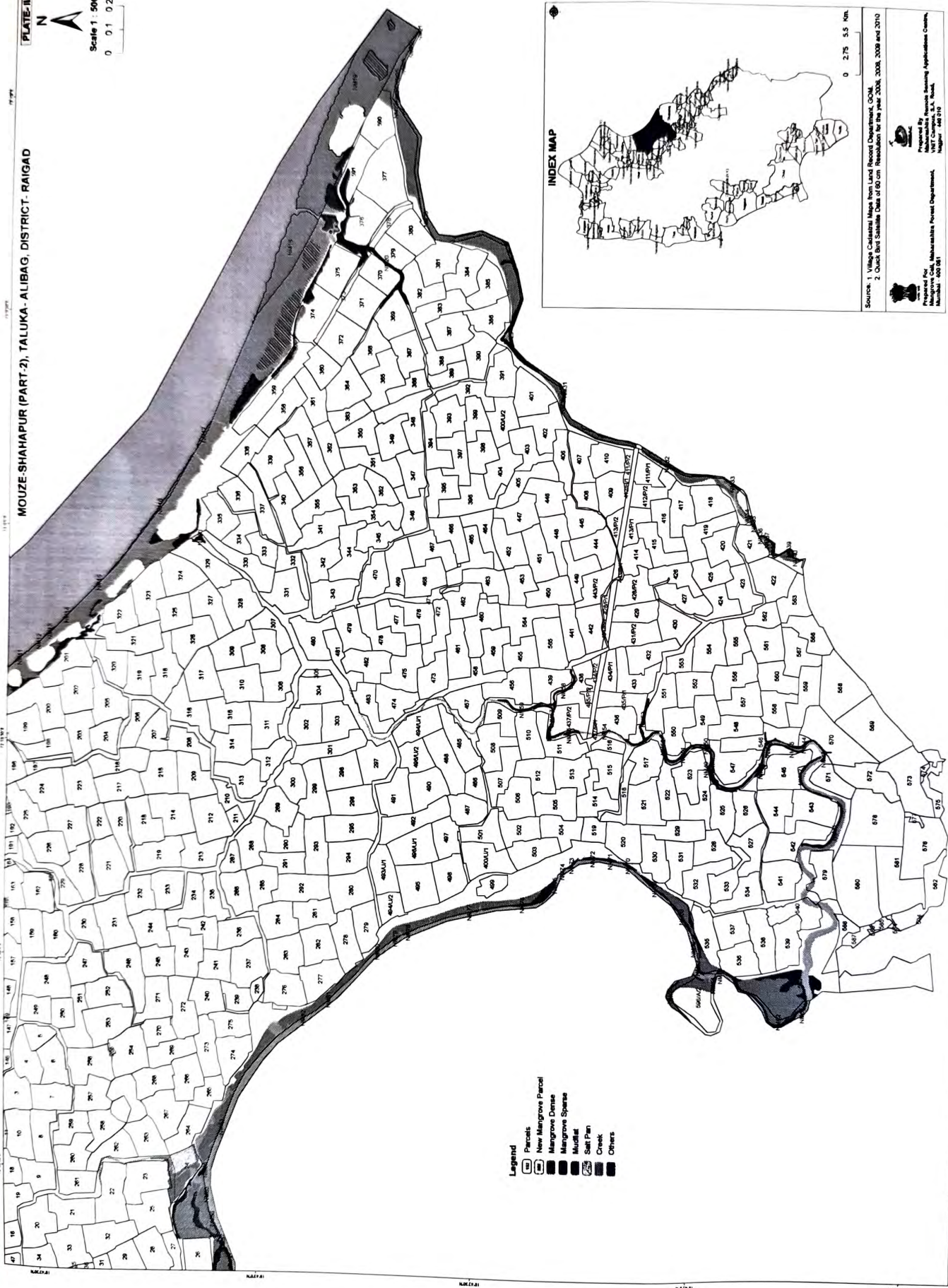
0 2.75 5.5 Km

Source : Village Census Map from Land Record Department, GOA  
2. Outer Belt Satellite Data of 60 cm Resolution for year 2004, 2006, 2009 and 2010

Prepared For : Maharashtra Forest Department  
Maharashtra Forest Department  
MHT Campus, S.A. Road  
Mumbai - 400 011

**PLATE-IV85**

N 



Source: 1 Village Cadastral Maps from Land Record Department, GOM.  
2 Google Bird Satellite Order of 60 cm. Downloaded from the internet, 2004.

Prepared For  
Mangrove Cell, Maharashtra Forest Department,  
Mumbai

Prepared By  
Maharashtra Remote Sensing Applications Centre,  
UNIT Campus, S.A. Road,  
Mumbai