



"वृक्षवल्ली आमहा सोबरे वनवरे"



महाराष्ट्र शासन

उप वनसंरक्षक, अलिबाग यांचे कार्यालय, अलिबाग

मु.पो.हिराकोट तलावाजवळ अलिबाग, तालुका अलिबाग, जिल्हा रायगड - ४०२ २०१

दूरध्वनी क्र ०२१४१-२२२०१६/२२२२१६ Email ID: dycfalibag@mahaforest.gov.in

जावक क्रमांक: ब/२०/जमिन/वसं/५७४० /२०२४-२५.

दिनांक: १७ /०१/२०२५.

प्रति,

जनरल मॅनेजर,
(पर्यावरण व वने), सिडको भवन,
सी.बी.डी. बेलापुर, नवी मुंबई.

विषय:- वन जमिन रायगड.

Diversion of 8.2222 ha. Forest land in favour of City Industrial Development Corporation of Maharashtra for construction of coastal road from jalmarg sector-16 Kharghar to Sector-11 in CBD Belapur and Balance Link Transport Terminal in Nerul Mumbai in Mangrove and Raigad District in the State of Maharashtra-regarding.

संदर्भ:- १) केंद्रशासनाकडील पत्र क्रमांक FC-II/MH-२३१/२०२३-NGP/१३५८२,
दिनांक २४.०९.२०२४

२) या कार्यालयाचे पत्र क्र. ब/२०/जमीन/वसं/३८३३, दिनांक २४.१०.२०२४

३) या कार्यालयाचे पत्र क्र. ब/२०/जमीन/वसं/३८३४, दिनांक २४.१०.२०२४

४) वन परिक्षेत्र अधिकारी, नागोठणे यांचे पत्र क्र. अ/२०/जमी/४५६, दि. १३.११.२०२४

५) विभागीय वन अधिकारी, कांदळवन विभाग, उत्तर कोकण, ठाणे यांचे पत्र क्र.
कक्ष-९/जमीन/२६५०, दिनांक २३.१२.२०२४

केंद्रशासनाकडील संदर्भित पत्र क्रमांक १ अन्वये वन (संरक्षण व संवर्धन) अधिनियम, १९८० अंतर्गत जनरल मॅनेजर (पर्यावरण व वने), सिडको भवन, सी. बी.डी बेलापुर, नवी मुंबई यांचा खारघर (सेक्टर १६) ते सीबीडी बेलापुर (सेक्टर ११) या कोस्टलरोड करीता ८.२२२२ हेक्टर (अलिबाग वन विभाग- ६.४१७१ हेक्टर व कांदळवन विभाग- १.८०५१ हेक्टर) वन जमिन मागणीचा प्रस्तावास तत्त्वतः मान्यता प्रदान करण्यात आली आहे. सोबत संदर्भित पत्रांची प्रत जोडली आहे.

त्यानुसार तत्त्वतः मंजूरी आदेशांतील अटी व शर्तीनुसार मागणी पत्र (Demand Note) तयार करून लगतप्रमाणे पाठविण्यात येत आहे. तरी मागणी पत्रानुसार पुर्तता करून अहवाल आवश्यक दस्तऐवजासह सात प्रतीत या कार्यालयास सादर करावा.



(राहुल पाटील, भा.व.से.)

उप वनसंरक्षक,

अलिबाग वनविभाग, अलिबाग.

सहपत्र:- वरील प्रमाणे.

प्रतिलिपी:- अपर प्रधान मुख्य वनसंरक्षक व केंद्रस्थ अधिकारी, महाराष्ट्र राज्य, नागपूर यांचेकडे माहितीसाठी सादर.

प्रतिलिपी:- अपर प्रधान मुख्य वनसंरक्षक, कांदळवन कक्ष, मुंबई यांचेकडे माहितीसाठी सादर.

प्रतिलिपी:- मुख्य वनसंरक्षक, ठाणे यांचेकडे माहितीस्तव सादर.

प्रतिलिपी:- विभागीय वन अधिकारी, कांदळवन विभाग, उत्तर कोकण, अभिमान- ॥, ५ वा मजला, तीन हात नाका, नौपाडा, ठाणे (पश्चिम) ४०० ६०२ यांना माहितीस्तव अग्रेषित.

प्रत:- सहायक वनसंरक्षक (प्रादेशिक व वन्यजीव) पनवेल यांचेकडे माहिती व जरूरत्या कार्यवाहीसाठी रवाना.

प्रत:- वन परिक्षेत्र अधिकारी, पनवेल, यांचेकडे माहिती व जरूरत्या कार्यवाहीसाठी रवाना.

नागपूर



"सृष्ट्यवली आम्हा सौधरे वनचरे"



महाराष्ट्र शासन

OFFICE OF THE DEPUTY CONSERVATOR OF FOREST, ALIBAG

AT POST TAL ALIBAG DIST. RAIGAD
TELE 02141-222016 E-mail- dycfalibag@mahaforest.gov.in

Demand Note

(See rule 8(1)(b) of the Forest (Conservation) Amendment Rules, 2014)

To,

General Manager (Environment and Forest)
CIDCO (Ltd.), CIDCO Bhavan, C.B.D. Belapur,
Navi Mumbai -400 614.

Sub:- Diversion of 8.2222 ha. Forest land in favour of City Industrial Development Corporation of Maharashtra for construction of coastal road from jalmarg sector-16 Kharghar to Sector-11 in CBD Belapur and Balance Link Transport Terminal in Nerul Mumbai in Mangrove and Raigad District in the State of Maharashtra-regarding.

Ref: - Govt. of India Ministry of Environment, forest and Climate Change, Regional Office (WCZ), Nagpur's order No. F.No. FC-II/MH-231/2023-NGP/13582, dtd. 24.09.2024.

1. As per the reference cited above, General Manager (Environment and Forest) CIDCO (Ltd.), CIDCO Bhavan, C.B.D. Belapur, Navi Mumbai -400 614 is requested to pay the item-wise amount of compensatory levies as per the following details.

Compensatory Levies

Sr. No.	Condition NO. as mentioned in-principal approval	Item	Amount in Rs.
1	2	Cost of erecting 4 feet cement concrete pillars for proposed forest area. (Amount Rs.32,93,874/- for area 6.4171 Ha. of Alibag Division and amount Rs. 4,22,603 for area 1.8050 Ha. of Mangrove division North Konkan.)	37,16,477/-
2	3 & 4	Cost towards Compensatory Afforestation on degraded forest land i.e. 9.00 ha. (A site specific compensatory afforestation scheme as per condition 4 is prepared by RFO)	93,27,686/-
3	6	Net Present Value (NPV) (Amount Rs.71,67,259/- (Rate of 11,16,900/-) for area 6.4171 Ha. of Alibag Division and amount Rs. 25,93,333/-(Rate of 14,36,670/-) for area 1.8050 Ha. of Mangrove division North Konkan.)	97,60,592/-
Total amount sends to CAMPA as per GoI conditions:			2,28,04,755/-

2. The General Manager (Environment and Forest) CIDCO (Ltd.), CIDCO Bhavan, C.B.D. Belapur, Navi Mumbai -400 614 is also requested to submit the amounts, documents, certificates and undertaking as stipulated in the in-principal approval as per the following details.

Sr. No.	Condition No. as mentioned in-principal approval	Name of Document / Certificate / Undertaking required to be submitted by the User Agency.
1	1	Undertaking required to be submitted by the User Agency.
2	5	Undertaking and required document to be submitted by the User Agency.
3	7	Undertaking and required document (Possession receipt, Mutations, 7/12 & Others relevant documents) to be submitted by the User Agency.
4	8	User agency shall be transferred / deposited above mentioned amount to CAMPA through e-portal and furnish the challan/receipt with RTGS/NEFT no. and date in this regard.
5	9	1) User agency shall submit demand draft for Rs. 50,465/- (in words Rs. Fifty Thousand Four Hundred Sixty Five only) in favour of the Deputy Conservator of Forest, Alibag, payable at Alibag. User agency shall transfer an amount of Rs.1,26,870/- (in words Rs. One Lac Twenty Six Thousand Eight Hundred Seventy only) in favour of Divisional Forest Officer, Mangrove Division, North Konkan in Union Bank of India, Thane west branch, A/C No. 444302010108204, IFSC Code is UBIN0532002, against cost of felling. 2) Permission from Hon'ble High Court for felling of Mangrove trees shall be obtained and submit with compliance report.
6	10	Undertaking required to be submitted by the User Agency to abide this condition with consultation of Mangrove Cell.
7	11	Undertaking required to be submitted by the User Agency to abide this condition.
8	12	Undertaking required to be submitted by the User Agency to abide this condition.
9	13	The U.A. shall implement all mitigation measures as suggested under CRZ clearance issued by the MoEF&CC New Delhi vide order dated 09.08.2024 at the cost of the project. Compliance in this regard is required.
10	14	Undertaking required to be submitted by the User Agency to abide this condition.
11	15	Undertaking required to be submitted by the User Agency to abide this condition.
12	16	FRA certificate and necessary compliance / all supporting documents shall be furnished in English.
13	17	If applicable, user agency submits the Environmental Clearance.
14	18	Undertaking required to be submitted by the User Agency to abide this condition.
15	19	Undertaking required to be submitted by the User Agency to abide this condition.
16	20	Undertaking required to be submitted by the User Agency to abide this condition.
17	21	Undertaking required to be submitted by the User Agency to abide this

		condition.
18	22	Undertaking required to be submitted by the User Agency to abide this condition.
19	23	Undertaking required to be submitted by the User Agency to abide this condition.
20	24	Undertaking required to be submitted by the User Agency to abide this condition.
21	25	The User Agency shall comply the same.

Please clearly mention the condition No. on the document / undertaking / certificates at the time of submission of compliance report.

(Signature)

(Rahul Patil, IFS)

Deputy Conservator of Forests,
Alibag Forest Division, Alibag

Copy submitted to the Addl. Principal Chief Conservator of Forests & Nodal Officer, M.S. Nagpur for favour of information.

Copy submitted to the Additional Principal Chief Conservator of Forests, Mangrove cell, Mumbai for favour of information.

Copy submitted to the Chief Conservator of Forests, Thane for favour of information.

Copy forwarded to the Divisional Forest Officer, Mangrove Division North Konkan, Thane for favour of information.

Copy the Assistant Conservator of Forest, Panvel for information.

Copy the Range Forest Officer, Panvel for information.

Nagathme

Enclosure to Principal Chief Conservator of Forest (HoFF), M. S. Nagpur Letter No. Desk-17/CA/Nodal Cell/CR-40/1127/2019-20, Date 04/10/2019
Model Rate Structure for Compensatory Afforestation Model No.4.

Project Name - Construction of Costal Road Form Jalnarg Sector -16 Kharghar to Sector -11 in CBD Belapur and Balance Link Transport Terminal in Nerul-Mumbai

Speciment - 3m x 3m
 Size of Pits - 0.45 x 0.45 x 0.45m
 No. of Seedlings - 1111 per ha

Speciment - 3m x 3m Size of Pits - 0.45 x 0.45 x 0.45m No. of Seedlings - 1111 per ha														
Sr.No	Particulars of works	(Amount in Rs.)			Village - Vani (Goyndawadi)			Division Range Round	Beat- S.No. Taluka- Roha	Pigonda R.F.C.No.216				
		Man days	Wages	Material supply	Total (Rs.Per Ha.)	Man days	Wages				Material supply	Total		
A. Pre Monsoon Works PPOIPYO														
1	(a) Survey and demarcation	1.00	517.00	91.00	608.00	9.00	4653.00	819.00	5472.00					
	(b) Preparation of treatment map (100 m x 50 m grid)	1.00	517.00	91.00	608.00	9.00	4653.00	819.00	5472.00					
	(c) Digging trial pits of size 0.30x0.30x0.60 in corner of Grid.	0.40	206.80	0.00	206.80	3.60	1861.20	0.00	1861.20					
	(d) Fixing 50cm x 0.05cm x12cm cement pillars upto 30cm deep in corner of Grid, painting with Grid No etc complete(3 pillars, Rs.75/- for each pillars)	0.00	0.00	225.00	225.00	0.00	0.00	2025.00	2025.00					
	(e) Clearing of bushes and preparation of site (As per requirement)	10.00	5170.00	91.00	5261.00	90.00	46530.00	819.00	47349.00					
2	Soil and moisture conservation works including collection of rubbles from areas upto 30 m etc	31.00	16027.00	0.00	16027.00	279.00	144243.00	0.00	144243.00					
3	Providing chain link fencing as per site requirement around plantation area 1500 R.M. Rs 3400/- per R.M.	0.00	0.00	510000.00	510000.00	0.00	0.00	4590000.00	4590000.00					
4	Alignment of pits at 3m x 3m spacement. 1111 pits per Ha (0.25 per 100 pits and M&S @ Rs. 2.24 per 50 pits.	2.89	1494.13	91.00	1585.13	26.01	13447.17	819.00	14266.17					
5	Digging of pits of size 0.45 x 0.45 x 0.45 m (1111 pits per ha) 6.60 M.D per 100 pits. Note :- As per local conditions provision for mechanized digging can be made.	73.33	37911.61	0.00	37911.61	659.97	341204.49	0.00	341204.49					
6	Construction of 5.00 Rmt wide Inspection Path 1M.D. per 100 Rmt	1.00	517.00	0.00	517.00	9.00	4653.00	0.00	4653.00					
7	Enumeration of all valuable plant species at plantation site and grid wise counting and providing color band and recording the same in Register (0.75 M.D.) per 100 plants	0.75	387.75	25.00	412.75	6.75	3489.75	225.00	3714.75					
8	Providing and fixing (4 feet x 3 feet) information board each per site	0.00	0.00	5000.00	5000.00	0.00	0.00	5000.00	5000.00					
9	Part Nursery cost of raising 1333 seedlings per ha (including 20% casualty replacement) in polygons of size 12.50 x 25.00 cm (Wages Rs.11.90 and M & S Rs.3.62 per plant)	46.70	24143.90	4798.80	28942.70	420.30	217295.10	43189.20	260484.30					
Total		188.07	86892.19	520412.80	607304.99	1512.63	782029.71	4543715.20	5425744.91					
Contingency 3%			2606.77	15612.38	18219.15		23460.89	138311.46	162772.35					
Labour Welfare 4%			3475.69	20816.51	24292.20		31281.19	185748.61	217029.80					
Grand Total		188.07	92874.64	556841.70	649816.34	1512.63	836771.79	4968775.26	5805547.05					

Sr.No	Particulars of works	Man days	Wages	Material supply	Total (Rs.Per Ha.)	Man days	Wages	Material supply	Total
B. First Year Operations									
1.	Part Nursery cost for maintenance of 1333 per ha Rs. 3.77 per seedling (Wages Rs.2.69, M & S Rs. 0.81)	14.80	8034.18	1079.73	9113.91	133.20	72307.62	9717.57	82025.19
2	Refilling of pits by good quality soil including application of single super phosphate (1.66 MD per 100 pts)	18.44	10010.15	1944.25	11954.40	165.96	90091.39	17498.25	107589.64
3	Transportation of 1333 seedlings from Nursery to plantation site including loading & unloading (0.14 M.D. per 100 seedlings & M.S. Rs.1.82 Per seedlings)	1.87	1015.13	2426.00	3441.13	16.83	9136.17	21834.00	30970.17
4	Planting of 1111 seedlings (1.0 M.D per 100 seedlings)	11.11	6031.06	0.00	6031.06	99.99	54279.57	0.00	54279.57
5	3 seedlings (1 Rmt circular) and 2 soil workings (4.00 M.D per 100 seedlings) fertilizer application Rs.0.82 per seedling	44.44	24124.25	911.02	25035.27	399.96	217118.29	8199.18	225317.47
7	Casualty replacement (20% 222 Seedlings per ha.) (2 M.D. per 100 seedlings)	4.44	2410.26	0.00	2410.25	39.96	21692.29	0.00	21692.29
8	Part Nursery cost for causality replacement in SYO (222 seedlings per ha.) (wages Rs.11.90 and material supply Rs.3.62 total Rs.12.55 per seedling.)	7.78	4223.37	803.64	5027.01	70.02	38010.36	7232.76	45243.12
9	Watch and ward (10 months - 1 watcher per 10 ha)	27.38	14863.23	0.00	14863.23	246.42	133769.10	0.00	133769.10
10	Soil working for naturally grower plants and singling (1.15 M.D. per 100 plants)	1.15	624.28	10.00	634.28	10.35	5618.50	90.00	5708.50
11	Fire tracing	2.00	1085.70	0.00	1085.70	18.00	9771.30	0.00	9771.30
Total									
	Contingency 3%	133.41	72421.62	7174.84	79596.26	1200.69	651794.57	64571.76	716366.33
	Labour Welfare 4%		2172.65	215.24	2387.89		19553.84	1937.15	21490.99
			2896.86	286.99	3183.85		26071.78	2582.87	28654.65
	Grand Total	133.41	77491.13	7676.86	85168.00	1200.69	697420.19	69091.78	766511.97

Sr.No	Particulars of works	Man days	Wages	Material supply	Total (Rs. Per Ha.)	Man days	Wages	Material supply	Total
C. Second Year Operations									
1	Part nursery cost for seedlings for causality replacement (222 seedlings per ha) labour rate @ Rs.3.77 and M.S. Rs. 1.82 per seedlings	2.46	1402.18	404.04	1806.22	22.14	12619.63	3636.36	15255.99
2	Transportation of 222 seedlings for causality replacement from nursery to plantation site (including loading and unloading) wages 0.14 M.D Per 100 Seedling & M.S. Rs. 1.82 per seedlings	0.31	176.70	404.04	580.74	2.79	1590.28	3636.36	5226.64
3	Planting for causality replacement 222 seedlings (2.00 M.D. per 100 seedlings)	4.44	2530.77	0.00	2530.77	39.96	22776.90	0.00	22776.90
4	2 weedings and 1 soil working, with fertilizer application 2.5 M.D. per 100 seedlings at M.S.	27.77	15628.69	911.02	16739.71	249.93	142458.23	8199.18	150657.41
5	Watch and ward 12 months -1 watcher per 10.00 ha	36.50	20804.73	0.00	20804.73	328.50	187242.54	0.00	187242.54
6	Fire tracing	2.00	1139.99	0.00	1139.99	18.00	10259.87	0.00	10259.87
	Total	73.48	41883.05	1719.10	43602.15	661.32	376947.44	15471.90	392419.34
	Contingency 3%		1256.49	51.57	1308.06		11308.42	464.16	11772.58
	Labour Welfare 4%		1675.32	68.76	1744.09		15077.90	618.88	15696.77
	Grand Total	73.48	44814.86	1839.44	46654.30	661.32	403333.76	16554.93	419888.69
D. Third Year Operations									
1	1 weeding and 1 soil working (1.50 M.D per 100 seedlings) applying fertilizer @ Rs.0.82 per plant.	16.67	9976.86	911.02	10887.88	150.03	89791.77	8199.18	97990.95
2	Watch and ward 12 months 1 watcher per 10.00 ha	36.50	21844.96	0.00	21844.96	328.50	196604.66	0.00	196604.66
3	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2.00	1196.98	25.00	1221.96	18.00	10772.86	225.00	10997.86
4	Fire tracing	2.00	1196.98	0.00	1196.98	18.00	10772.86	0.00	10772.86
	Total	57.17	34215.79	936.02	35151.81	514.53	307942.15	8424.18	316366.33
	Contingency 3%		1026.47	28.08	1054.55		9238.28	252.73	9490.99
	Labour Welfare 4%		1368.63	37.44	1406.07		12317.69	336.97	12654.65
	Grand Total	57.17	36510.90	1001.54	37512.44	514.53	329498.10	9013.87	338511.98
E. Fourth Year Operations									
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.50	22937.21	0.00	22937.21	328.50	206434.90	0.00	206434.90
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2.00	1256.83	25.00	1281.83	18.00	11311.50	225.00	11536.50
3	Fire tracing	2.00	1256.83	0.00	1256.83	18.00	11311.50	0.00	11311.50
	Total	40.50	25450.88	25.00	25475.88	364.50	229057.90	225.00	229282.90
	Contingency 3%		763.53	0.75	764.28		6671.74	6.75	6878.49
	Labour Welfare 4%		1018.04	1.00	1019.04		9162.32	9.00	9171.32
	Grand Total	40.50	27232.44	26.75	27259.19	364.50	245091.95	240.75	245332.70

Sr.No	Particulars of works	Man days	Wages	Material supply	Total (Rs.Per Ha.)	Man days	Wages	Material supply	Total
F. Fifth Year Operations									
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.50	24084.07	0.00	24084.07	328.50	216756.64	0.00	216756.64
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2.00	1319.68	25.00	1344.68	18.00	11877.08	225.00	12102.08
3	Fire tracing	2.00	1319.68	0.00	1319.68	18.00	11877.08	0.00	11877.08
	Total								
	Contingency 3%	40.50	26723.42	25.00	26748.42	364.50	240510.79	225.00	240735.79
	Labour Welfare 4%		801.70	0.75	802.45		7215.32	6.75	7222.07
	Grand Total	40.50	28594.06	1.00	28604.06	364.50	257346.55	240.75	257887.30
G. Sixth Year Operations									
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.50	25288.27	0.00	25288.27	328.50	227594.47	0.00	227594.47
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2.00	1385.66	25.00	1410.66	18.00	12470.93	225.00	12695.93
3	Fire tracing	2.00	1385.66	0.00	1385.66	18.00	12470.93	0.00	12470.93
	Total								
	Contingency 3%	40.50	28059.59	25.00	28084.59	364.50	252536.33	225.00	252761.33
	Labour Welfare 4%		841.79	0.75	842.54		7576.09	6.75	7582.84
	Grand Total	40.50	30023.78	1.00	30034.78	364.50	270213.88	240.75	270454.63
H. Seventh Year Operations									
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.50	26552.69	0.00	26552.69	328.50	238974.20	0.00	238974.20
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2.00	1454.94	25.00	1479.94	18.00	13094.48	225.00	13319.48
3	Fire tracing	2.00	1454.94	0.00	1454.94	18.00	13094.48	0.00	13094.48
	Total								
	Contingency 3%	40.50	29462.67	25.00	29487.67	364.50	265163.15	225.00	265388.15
	Labour Welfare 4%		883.88	0.75	884.63		7954.89	6.75	7961.64
	Grand Total	40.50	31524.95	1.00	31535.95	364.50	283724.57	240.75	283965.32
I. Eighth Year Operations									
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.50	27880.32	0.00	27880.32	328.50	250922.91	0.00	250922.91
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2.00	1527.69	25.00	1552.69	18.00	13749.20	225.00	13974.20
3	Fire tracing	2.00	1527.69	0.00	1527.69	18.00	13749.20	0.00	13749.20
	Total								
	Contingency 3%	40.50	30535.70	25.00	30560.70	364.50	278421.31	225.00	278646.31
	Labour Welfare 4%		928.07	0.75	928.82		8352.64	6.75	8359.39
	Grand Total	40.50	33101.20	1.00	33112.20	364.50	297910.80	240.75	298151.55
J. Ninth Year Operations									
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.50	29274.34	0.00	29274.34	328.50	263469.05	0.00	263469.05
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2.00	1604.07	25.00	1629.07	18.00	14436.68	225.00	14661.68
3	Fire tracing	2.00	1604.07	0.00	1604.07	18.00	14436.68	0.00	14436.68
	Total								
	Contingency 3%	40.50	32482.49	25.00	32507.49	364.50	292342.37	225.00	292567.37
	Labour Welfare 4%		974.47	0.75	975.22		8770.27	6.75	8777.02
	Grand Total	40.50	34756.26	1.00	34767.26	364.50	312806.34	240.75	313047.09

Sr.No	Particulars of works	Man days	Wages	Material supply	Total (Rs. Per Ha.)	Man days	Wages	Material supply	Total
K. Tenth Year Operations									
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.50	30738.06	0.00	30738.06	328.50	275642.50	0.00	275642.50
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2.00	1684.28	25.00	1709.28	18.00	15158.49	225.00	15383.49
3	Fire tracing	2.00	1684.28	0.00	1684.28	18.00	15158.49	0.00	15158.49
	Total	40.50	34106.61	25.00	34131.61	364.50	306959.49	225.00	307184.49
	Contingency 3%		1023.20	0.75	1023.95		9208.78	6.75	9215.53
	Labour Welfare 4%		1354.26	1.00	1365.26		12278.38	9.00	12287.38
	Grand Total	40.50	36494.07	26.75	36520.82	364.50	328446.66	240.75	328687.41

Abstract for Model No.5

Abstract of Model No.3

(Amount in Rupees)

Sr.No.	Year of operation	Man days	Wages	Material supply	Total	(Rs.Per	Man days	Wages	Material supply	Total
1	Pre Monsoon works	168.07	92974.64	55634.70	64509.34	1512.63	836771.79	4906775.26	5805547.05	
2	First Year Operations	133.41	77491.13	7676.86	85168.00	1200.69	69091.78	766511.97	419838.69	
3	Second Year Operations	73.48	44814.86	1839.44	46654.30	661.32	40333.76	16554.93	338511.98	
4	Third Year Operations	57.17	36610.90	1001.54	37612.44	514.53	329498.10	9013.87	245332.70	
5	Fourth Year Operations	40.50	27232.44	26.75	27259.19	364.50	245091.95	240.75	257587.30	
6	Fifth Year Operations	40.50	28594.06	26.75	28620.81	364.50	257348.55	240.75	270454.63	
7	Sixth Year Operations	40.50	30023.76	26.75	30050.51	364.50	270213.88	240.75	283955.52	
8	Seventh Year Operations	40.50	31524.95	26.75	31551.70	364.50	283724.57	240.75	298151.55	
9	Eighth Year Operations	40.50	33101.20	26.75	33127.95	364.50	287910.80	240.75	313047.08	
10	Ninth Year Operations	40.50	34756.26	26.75	34783.01	364.50	312806.34	240.75	328687.41	
11	Tenth Year Operations	40.50	36494.07	26.75	36520.82	364.50	328446.66	240.75	328687.41	
Grand Total		715.63	473618.29	567546.78	1041165.08	6440.67	4262564.58	5065121.10	9327685.68	


Range Forest Officer
Nagothane

GOVERNMENT OF MAHARASHTRA

FOREST DEPARTMENT



Alibag DIVISION.

Panvel RANGE.

DETAIL ESTIMATE

**Name Of Work :- Construction of Class-I Permanent Boundary Mark for Boundary Demarcation in
Construction of Class-I Permanent Boundary Mark for Boundary Demarcation in Kharghar Surve. No. 163pt,
79 pt, 81pt, 82/a, 83 pt, 82/Bpt, 146pt, 227 pt, 79pt, 80pt, 145/C pt, 83pt, 147pt, 167 pt, 168 pt, 170pt,
kharghar (Old belpada) 4pt, 6/4, 6/2 gut no. 461 pt, 463/4pt 463/2 pt in Ove Beat in Panvel Range of Forest
Division, Alibag**

Grand Total Amount Rs. 3293874.00

FACE SHEET

Division	:- Alibag Division
Sanction Estimate	:-
Fund Head	:-
Major Head	:-
Minor Head	:-
Service Head	:-
Departmental Head	:-

Estimate framed in the office of the Range Forest Office, Panvel Range in Alibag Division and the probable expenses that will incurred in the Construction of Class-I Permanent Boundary Mark for Boundary Demarcation in Construction of Class-I Permanent Boundary Mark for Boundary Demarcation in Kharghar Surve. No. 163pt, 79 pt, 81pt, 82/a, 83 pt, 82/Bpt, 146pt, 227 pt, 79pt, 80pt, 145/C pt, 83pt, 147pt, 167 pt, 168 pt, 170pt, kharghar (Old belpada) 4pt, 6/4, 6/2 gut no, 461 pt, 463/4pt 463/2 pt in Ove Beat in Panvel Range of Forest Division, Alibag

Total Cost Rs. 3293874.00

Administrative approved by

Technically sanctioned by

Estimate prepared by Range forest officer

Estimate Checked by

Call of Authority Divisional Forest Officer, Alibag Division

Specification- All these item of above work are to be carried out as per respective standard specification of PWD given read book

Certification 1. rates adopted are as per SSR of Maharashtra PWD for the year 2022-23

2. All calculations have been checked cent percent arithmetically

3. additional 10 % chrges for tribal area is considered


Range Forest officer
Panvel

GENERAL REPORT

Name Of Work :- Construction of Class-I Permanent Boundary Mark for Boundary Demarcation in Kharghar Surve. No. 163pt, 79 pt, 81pt, 82/a, 83 pt, 82/Bpt, 146pt, 227 pt, 79pt, 80pt, 145/C pt, 83pt, 147pt, 167 pt, 168 pt, 170pt, kharghar (Old belpada) 4pt, 6/4, 6/2 gut no. 461 pt, 46384pt 463/2 pt In Ove Beat in Panvel Range of Forest Division, Alibag

Authority Divisional Forest Officer, Alibag Division

Necessity Demarcation of the outer boundary of compartment (forest land boundary) is essential. Hence this estimate is prepared.

Provision Following provision are made in this Estimate.

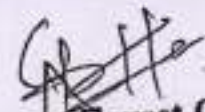
- 1 Clearing the site before given layout
- 2 Excavation 0.23mt below ground level in soft & hard murrum.
- 3 Providing and laying in situ, cement concrete M-10/(1:3:6)
- 4 Providing internal cement plaster 6 mm thick in a single coat in cement mortar 1:4
- 5 Providing and applying two coats of flat oil paint of approved colour
- 6 Providing and applying primer coat on concrete surface
- 7 Painting letters upto 20 cm height complete
- 8 Providing and applying two coats of exterior weather shield paint

Rates Rates adopted in the Estimate are as per SSR 2022-23 w.e.f 25-07- 2022

Specification The work will be carried out as per standard specification of Public Work Department, and as directed by Engineer-incharge from time to time

Lead Lead for Material Considered in Estimate is Given by RFO, Hingoli

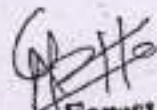
Follow the instruction given by the chief conservator of forest (PCCF) Ms Nagpur wiede his circular no. D-27/2/Ce.86/682/2019-20 date 27/01/2020 for forest boundary demarcation and erection of permanent boundary marks


Range Forest Officer
Panvel

Name Of Work :- Construction of Class-I Permanent Boundary Mark for Boundary Demarcation in Kharghar Surve. No. 163pt, 79 pt, 81pt, 82/a, 83 pt, 82/Bpt, 146pt, 227 pt, 79pt, 80pt, 145/C pt, 83pt, 147pt, 167 pt, 168 pt, 170pt, kharghar (Old belpada) 4pt, 6/4, 6/2 gut no. 461 pt, 46384pt 463/2 pt in Ove Beat in Panvel Range of Forest Division, Alibag

RECAPITULATION SHEET

Sr. No.	ITEM OF WORK	AMOUNT (Rs.)
A	Total Work Portion Amount for Boundary Pillar (Class-I)	Rs. 2702584.60
	Add 3 % contingencies	81077.54
	Add 18.0% For GST On (A)	486465.23
	Add Royalty Charges for Boundary Pillar (Class-I Amount	Rs. 825.00
	Add Quality Control & Testing Charges for B.Pillar (Class-I)	Rs. 9409.00
	Total Amount (A + B + C) = D	Rs. 3280361.37
F	Add 0.50% for Labour Insurance On (A)	Rs. 13512.92
G	Gross Total Amount Rs (D+E +F)	Rs. 3293874.29
	Say	Rs. 3293874.00


Range Forest Officer
Panvel

Name Of Work :- Construction of Class-I Permanent Boundary Mark for Boundary Demarcation in Kharghar Surve. No. 163pt, 79 pt, 81pt, 82/a, 83 pt, 82/Bpt, 146pt, 227 pt, 79pt, 80pt, 145/C pt, 83pt, 147pt, 167 pt, 168 pt, 170pt, Kharghar (Old belpada) 4pt, 6/4, 6/2 gut no. 461 pt, 463/4pt 463/2 pt in Ove Beat in Panvel Range of Forest Division, Alibag

ABSTRACT

Sl. 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	742.50	6.50	4826.25
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 Means	Cum	119.79	223.40	26761.09
3	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 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 (Natural Sand / Crushed sand VSI Grade finely washed etc)	Cum	248.55	6642.10	1650893.96
4	Providing internal cement plaster 6mm. thick in a single coat in cement mortar 1:4 without Neeru finish to concrete surface in all positions, including scaff ing and curing etc. complete.	Sqmt	1405.80	232.70	327129.66
5	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 pre paring the surface (excluding primer coat) etc. complete.	Sqmt	87.29	109.00	9514.61
6	Painting letters upto 20 cm height complete brushes, coir brushes, dusting, cleaning, including cost of paint etc. complete.	Nos	10560.00	31.30	330528.00
7	Providing and applying two coats of exterior weather shield paint of approved manufac ture and of approved colour to the plastered surfaces including cleaning ,preparing the plaster surface applying primer coat ,scaffolding if necessary, and watering the surface for two days etc complete. NOTE: For Item No. 15 to 18 prior approval of Superintending Engineer will be necessary	Sqmt	1108.80	318.30	352931.04

Total Work Portion Amount Rs 2702584.60


Range Forest Officer
Panvel

Some Of Work :- Construction of Class-I Permanent Boundary Mark for Boundary Demarcation in Construction of Class-I Permanent Boundary Mark for Boundary Demarcation in Kharghar Surve. No. 163pt, 79 pt, 81pt, 82/a, 83 pt, 82/8pt, 146pt, 227 pt, 79pt, 80pt, 145/C pt, 83pt, 147pt, 167 pt, 168 pt, 170pt, Kharghar (Old belpada) 4pt, 6/4, 6/2 gut no. 461 pt, 463/4pt 463/2 pt in Ove Beat in Panvel Range of Forest Division, Alibag

MEASUREMENT SHEET

Total Nos of Class-I Boundary Mark = 330.00 Nos Length of Boundary = 6250 R meter
Total Nos of Class-II Boundary Mark = 0.00 Nos

ITEM OF WORK	Unit	NO	L	B	D/H	QTY.
--------------	------	----	---	---	-----	------

ITEM NO.1

Removing grass, gazer grass and disposing off out of building premises including making clean the ground by shovel and phavaras etc. complete.

As directed by Engineer in charge.

S.S.R. Item No.21.34/Page No.157

For Total No. of Class-I Boundary Pillar

Sqmt	330.00	1.50	1.50			742.50
(A) Net Qty. for Class-I Pillar						742.50

ITEM NO.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 Means

Spec.No. :Bd.A1 Page No.259

S.S.R. Item No.21.02/Page No.153

For Total No. of Class-I Boundary Pillar

Cum	330.00	1.10	1.10	0.30		119.79
(A) Net Qty. for Class-I Pillar						119.79

ITEM NO-3

Providing and laying Cast in situ/Ready Mix cement concrete in M-10 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 (Natural Sand / Crushed sand VSI Grade finely washed etc)

Spec.No. :Bd. E. 1 Page No. 287

S.S.R. Item No.24.01/Page No.175

For Total No. of Class-I Boundary Pillar

For Trapezoidal Area

Volume of Pillar = $H/3 \{A1+A2+ \sqrt{A1A2}\}$

A1=0.60 x 0.60 = 0.36 Sqmt, A2=0.90 x 0.90 =0.81 Sqmt , H

= 1.30 mt

For Pedestal at top

Cum	330.00	(1.30/3) x {(0.36+0.81+ $\sqrt{0.36 \times 0.81}$)}	0.741			244.53
(A) Net Qty. for Class-I Pillar						244.53

Range Forest Officer
Panvel

Total Nos of Class-I Boundary Mark = 330 Nos

Length of Boundary = 4250 R meter

ITEM OF WORK

Unit NO L B D/H QTY.

ITEM NO.4

Providing internal cement plaster 6mm. thick in a single coat in cement mortar 1:4 without floor finish to concrete surface in all positions, including scaffolding and curing etc. complete.

Spec. No. Bd.L.1 Page No. 367

S.S.R. Item No.32.01 /Page No.209

For Total No. of Class-I Boundary Piller

$$4 \times ((0.90+0.60)/2) \times 1.30 = 3.90$$

$$\text{For Top area } 0.60 \times 0.60 = 0.36$$

Sqmt	330.00	4.00	0.75	1.30	
Sqmt	330.00	1.00	0.60	0.60	

1287

118.8

(A) Net Qty. for Class-I Piller 1405.8

ITEM NO.5

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.224

For Total No. of Class-I Boundary Piller

White Oil paint is to be used for painting of top Stone

For Sides

For Top

Sqmt	330.00	1.00	0.92	0.23	69.83
Sqmt	330.00	1.00	0.23	0.23	17.46

(A) Net Qty. for Class-I Piller 87.29


Range Forest Officer
Panvel

ITEM OF WORK

Unit NO L B D/H QTY.

ITEM NO.6

Painting letters upto 20 cm height complete brushes, coil
brushes, dusting, cleaning, including cost of paint etc.
complete.

Spec.No.2 MORTH 801

S.S.R. Item No.6.05/Page No.46

For Total No. of Class-I Boundary Pillar

Nos	330.00	4.00	8.00		10560.00
	(A) Net Qty. for Class-I Pillar				10560.00

ITEM NO.7

Providing and applying two coats of exterior weather shield
paint of approved manufac ture and of approved colour
to the plastered surfaces including cleaning ,preparing the
plaster surface ,applying primer coat ,scaffolding if
necessary, and watering the surface for two days etc
complete. NOTE: For Item No.

15 to 18 prior approval of Superintending Engineer will
As directed by Engineer incharge.

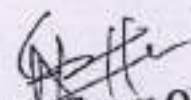
S.S.R. Item No.35.26/Page No.225

For Total No. of Class-I Boundary Pillar

$4 \times ((0.90+0.60)/2) \times 1.0 = 3.00$

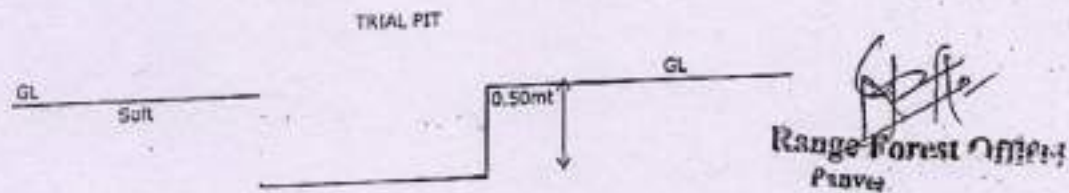
For Top area $0.60 \times 0.60 = 0.36$

Sqmt	330.00	4.00	0.75	1.00	990.00
Sqmt	330.00	1.00	0.60	0.60	118.80
	(A) Net Qty. for Class-I Pillar				1108.80


Range Forest Officer
Panvel

Name of Work :- Construction of Class-I Permanent Boundary Mark for Boundary Demarcation in
 Kharghar Surve. No. 163pt, 79 pt, 81pt, 82/a, 83 pt, 82/Bpt, 146pt, 227 pt, 79pt, 80pt, 145/C pt, 83pt,
 167 pt, 168 pt, 170pt, kharghar (Old belpada) 4pt, 6/4, 6/2 gut no. 461 pt, 463/4pt 463/2 pt in Ove
 Beat in Panvel Range of Forest Division, Alibag

Lead Statement					
S. No	Material	Name of Quarry	Lead in KM	Rate	Unit
1	Metal 6mm to 40mm	Bolapur	25 KM	566.86	Cu.M
2	Stone /Metal 80mm	Bolapur	25 KM	543.24	Cu.M
3	Sand	Nanded	20 KM	488.73	Cu.M
4	Munam	Local	05 KM	252.22	Cu.M
5	Bricks	Local	05 KM	531.38	Per 1000 No.
				0.53	Per 1.0 No.
6	Steel	Bolapur	25 KM	413.27	M.T.
7	Cement	Bolapur	25 KM	413.27	M.T.
				20.66	Per Bag
8	Fligoring Tiles	Bolapur	25 KM	41.33	Sq. M



RFD

Construction of Class-I Permanent Boundary Mark for Boundary Demarcation in Kharghar
 Survey No. 163pt, 79 pt, 81pt, 82/a, 83 pt, 82/Bpt, 146pt, 227 pt, 79pt, 80pt, 145/C pt, 83pt, 147pt, 167
 pt, 168 pt, 170pt, Kharghar (Old belpada) 4pt, 6/4, 6/2 gut no. 461 pt, 463/4pt 463/2 pt in Ove Beat in
 Panvel Range of Forest Division, Alibag

RATE ANALYSIS

sr. no	Material	location	total lead kms	lead charges
1	Metal below 40 mm	Panvel	8	313.21
2	Metal above 40 mm	Panvel	8	300.16
3	sand	Panvel	8	313.21
4	cement	Panvel	8	208.43

1	Removing grass gazer grass 21.34 Deduction 21% for labour amenities and cess in R.A. Add 10% for Tribal Area Add 21% for labour Amenities And cess in R.A	Basic Rate Rs.	52	6 -1.26 4.74 0.47 1.26	
		Total		6.47	6.50
2	Excavation in Soil and Soft Murum 21.02 Deduction 21% for labour amenities and cess in R.A. Add 10% for Tribal Area Add 21% for labour Amenities And cess in R.A	Basic Rate rs.	239	207 -43.47 163.53 16.35 42.47	
		Total		223.35	223.40
3	PCC M10 for foundation 24.01 Deduct for SCADA Deduction 21% for labour amenities and cess in R.A. Add 10% for Tribal Area metal 0.94 313.21 sand 0.47 313.21 cement 0.22 208.43 Add 21% for labour Amenities And cess in R.A	Basic Rate	5830	5830 -126 5704 -1197.84 4506.16 450.62 294.42 147.21 45.85 1197.84	
		Total		6642.1	6642.1
4	6mm thick plaster in cm 1.4 with neeru finish 32.01 Deduction 21% for labour amenities and cess in R.A. Add 10% for Tribal Area sand 0.0076 313.21 cement 0.054 208.42	Basic Rate	203	203 -42.63 160.37 16.04 2.38 11.26 42.63	
		Total		232.68	232.70
5	Providing and applying two coats of flat oil paint 32.12 Deduction 21% for labour amenities and cess in R.A. Add 10% for Tribal Area	Basic Rate	101	101 -21.21 79.79 7.98	

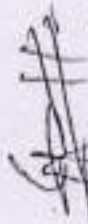
Add 21% for labour Amenities And cess in R.A.		21.21	
		108.98	109.0
painting letters upto 20 cm height			
6.05	Basic Rate	29	29.0
Deduction 21% for labour amenities and cess in R.A.		-6.09	
		22.91	
Add 10% for Tribal Area		2.29	
Add 21% for labour Amenities And cess in R.A.		6.09	
		31.29	31.3
exterior weather shield paint			
35.26	295	295	
Deduction 21% for labour amenities and cess in R.A.		-61.95	
		233.05	
Add 10% for Tribal Area		23.31	
Add 21% for labour Amenities And cess in R.A.		61.95	
		318.31	318.3

[Signature]
Range Forest Officer
Bogdla

Royalty Statement

Name Of Work :- Construction of Class-I Permanent Boundary Mark for Boundary Demarcation in Construction of Class-I Permanent Boundary Mark for Boundary Demarcation in Kharghar Surve. No. 163pt, 79 pt, 81pt, 82/a, 83 pt, 82/Bpt, 146pt, 227 pt, 79pt, 80pt, 145/C pt, 83pt, 147pt, 167 pt, 168 pt, 170pt, kharghar (Old belpada) 4pt, 6/4, 6/2 gut no. 461 pt, 463/4pt 463/2 pt in Ove Beat in Panvel Range of Forest Division, Alibag

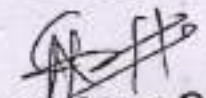
Sr.No	Description of the Item	Unit	Total Qty. of Item	Bdmmnt. Metal		Murrum		Sand		Rubble	
				Coefh.	Qty	Coefh.	Qty	Coefh.	Qty	Coefh.	Qty
I	Royalty Statement For Class -I Boundary Mark										
1	Providing and laying Cast in situ/Ready Mix cement concrete in M-10	Cum	6.78	0.00	0.00	0.00	0.00	0.470	3.19	0.00	0.00
2	Providing internal cement plaster 6mm. thick in a single coat in cement mortar 1:4	Sqmt	38.34	0.00	0.00	0.00	0.00	0.0076	0.29	0.00	0.00
			Total Qty.		0.00		0.00		3.48		0.00
			Royalty Charges per Cum		216.18		216.18		237.37		216.18
			Deduct Royalty Amount Rs.		0.00		0.00		825.40		0.00
			Total Amount Rs.						825.00		
Total Amount of Royalty for Class-I & Class -II Boundary mark										825.00	


 Range Forest Officer
 Panvel

Work :- Construction of Class-I Permanent Boundary Mark for Boundary Demarcation in
 Construction of Class-I Permanent Boundary Mark for Boundary Demarcation in Kharghar Surve.
 163pt, 79 pt, 81pt, 82/a, 83 pt, 82/Bpt, 146pt, 227 pt, 79pt, 80pt, 145/C pt, 83pt, 147pt, 167 pt,
 168 pt, 170pt, Kharghar (Old belpada) 4pt, 6/4, 6/2 gut no. 461 pt, 463/4pt 463/2 pt in Ove Beat in
 Panvel Range of Forest Division, Alibag

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.

Name of Tests	No. of Test	Rate per Test	Frequency	Amount
Testing Charges For Class - I Boundary Mark				
1) Basic Test of Cement				
Standard Consistency Finess, Specific Gravity, Setting Time (Initial & Final), Compressive Strength, Soundness.	0.00	3770	1.00	3770.00
Test or concrete Compressive strength of cc cub	0.00	3770	1.00	3770.00
Test for metal				
Sieve analysis	1.00	699	1.00	699.00
abrasion value	1.00	1170	1.00	1170.00
Total Amount Rs.				9409.00


 Range Forest Officer
 Panvel

वनपरिक्षेत्र अधिकारी, कांदळवन संचारण
घटक नवी मुंबई, यांचे कार्यालय.

घणसोली गट नं. 109, सेक्टर 10 गंगनगिरी महाराज
मार्ग, पाम बीच रोड, घणसोली नवी मुंबई 400 701

Email: rfmnm@gmail.com



OFFICE OF THE RANGE FOREST
OFFICER, Mumbai Mangrove
Conservation Unit Navi Mumbai
Ghansoli Gut no. 109, Sector 10,
Gagangiri Maharaj Marg, Palm Beach
Ghansoli, Navi Mumbai 400 701

विषय:-सी.बी.डी. बेलापूर ते जल वाहतूक टर्मिनल
नेरुल या प्रकल्पामध्ये बाधीत होणाऱ्या
क्षेत्रामध्ये पिलर्स बसविण्याचे अंदाजपत्रकास
तांत्रिक व प्रशासकिय मंजूरी मिळणेबाबत.

जा.क्र./न.मुं.का.संघ/योजना/६६०६ /२०२४-२५
नवी मुंबई दि. ११/१२/२०२४

प्रति,

मा. विभागीय वन अधिकारी,
कांदळवन विभाग-उत्तर कोकण.

विषयांकित प्रकरणी वनपरिक्षेत्र नवी मुंबई कार्यक्षेत्रा मधून सी.बी.डी बेलापूर ते जल
वाहतूक टर्मिनल नेरुल हा प्रकल्प प्रस्तावीत असून सदर प्रकल्पामध्ये मौजे शहाबाज मधील एकुण
१.८०५१ हे. क्षेत्र बाधीत होत आहे. सदर बाधीत होणाऱ्या क्षेत्रामध्ये पिलर्स बसविण्याकामी अंदाजपत्रक
तयार करून सदर अंदाजपत्रकास तांत्रिक व प्रशासकिय मंजूरीसाठी सोबत सादर करीत आहे.

अ.क्र.	कामाचा तपशिल	रक्कम
1	Erection of Boundary Demarcation pillars for diversion of 8.2222 ha. Forest land under sec.2of the Forest conservation act.1980 for proposed Construction of Coastal Raad From Jalmarg, sector-16 Kharghar to sector-11 in CBD Belapur and Balance link between Sector-15 CBD Belapur to water Transport Terminal in Nerul at Navi Mumbai Range of Mangrove Division-North Konkan.	422603.00

तरी वरीलप्रमाणे अंदाजपत्रकास तांत्रिक व प्रशासकिय मंजूरी मिळणेस विनंती आहे.

सहपत्र :- वरीलप्रमाणे अंदाजपत्रक २ प्रतीत.

(एस.एल.मांजरे)
वनपरिक्षेत्र अधिकारी
नवी मुंबई (कांदळवन विभाग)



**GOVERNMENT OF MAHARASHTRA
FOREST DEPARTMENT**



**MANGROVE DIVISION-NORTH KONKAN
NAVI MUMBAI RANGE**

DETAIL ESTIMATE

GPS READING

N
E

Name Of Work :- Erection of Boundary Demarcation Pillars for Diversion of 8.2222 Ha. Forest land under sec.2 of the Forest conservation act. 1980 for proposed Construction of Coastal Road from Jalmarg, sector-16 Kharghar to sector-11 in CBD Belapur and Balance link between sector-15 CBD Belapur to water Transport Terminal in Nerul at Navi Mumbai Range of Mangrove Division-North Konkan.

Work Portion Amount Rs. 347269.51

Grand Total Amount Rs. 422603.00

FACE SHEET

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

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

Name Of Work :- Erection of Boundary Demarcation Pillars for Diversion of 8.2222 Ha. Forest land under sec.2 of the Forest conservation act. 1980 for proposed Construction of Coastal Road from Jalmarg, sector-16 Kharghar to sector-11 in CBD Belapur and Balance link between sector-15 CBD Belapur to water Transport Terminal in Nerul at Navi Mumbai Range of Mangrove Division-North Konkan.

Work Portion Amount Rs. 347269.51

Grand Total Amount Rs 422603.00

Administrative approved under No.

Dated

Technically sanctioned under No.

Dated

Estimate prepared by

Shri

Estimate Checked by

Shri

Call of Authority

Divisional Forest Officer, Mumbai Mangrove Conservation Unit

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 concerned executive engineer or concern authority the component 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 minerals i.e. Rubble, Metal, Sand, Murum etc. Hence deduction for the same is made from the agency.

General Description as per separate sheet attached

ACF

Divisional Forest Officer

Mangrove Division-North Konkan

GENERAL REPORT

Name Of Work :- Erection of Boundary Demarcation Pillars for Diversion of 8.2222 Ha. Forest land under sec.2 of the Forest conservation act. 1980 for proposed Construction of Costal Road from Jalmarg, sector-16 Kharghar to sector-11 in CBD Belapur and Balance link between sector-15 CBD Belapur to water Transport Terminal in Nerul at Navi Mumbai Range of Mangrove Division-North Konkan.

Work Portion Amount Rs. 347269.51

Grand Total Amount Rs. 422603.00

Authority	Divisional Forest Officer, Mangrove Division-North Konkan
Necessity	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.
Provisions	Following provision are made in this Estimate. 1 Clearing the site before given layout 2 Excavation for foundation in earth, soil of all types, sand, gravel and soft murum 3 Dewatering on BHP basis by using water pump including diversion of stream 4 Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids 5 Providing and laying Cast in situ/Ready Mix cement concrete in M-15 6 Providing and laying concrete pipes of I.S.NP, class of 150mm dia 7 Providing and laying Cast in situ/Ready Mix cement concrete in M20 8 Providing and applying white-wash in one coat on old / new plastered surfaces. 9 A Providing and applying two coats of flat oil paint of approved colour and shade 10 Painting with approved enamel paint in two coats including cleaning surface and lettering
Rates	Rates adopted in the Estimate are as per SSR 2022-23 w.e.f 25-07- 2022
Specification	The work will be carried out as per standard specification of Public Work Department, and as directed by Engineer-Incharge from time to time
Lead	Lead for Material Considered in Estimate is Given by RFO,Thane (Mangrove)

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 its 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 Schedule -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. क. प्रविनी-2314/देयक कपात रकम/ 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. क. प्रविनी-2314/देयक कपात रकम/ 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.


ए. एल. मांगरे

सहायक अभियंता

मंगरोवन संयोजन वृत्त नवी मुंबई.

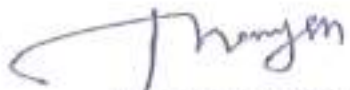
ACF

Divisional Forest Officer
Mangrove Division-North Kankar

Name Of Work :- Erection of Boundary Demarcation Pillars for Diversion of 8.2222 Ha. Forest land under sec.2 of the Forest conservation act, 1980 for proposed Construction of Costal Road from Jalmarg, sector-16 Kharghar to sector-11 in CBD Belapur and Balance link between sector-15 CBD Belapur to water Transport Terminal in Nerul at Navi Mumbai Range of Mangrove Division-North Konkan.

RECAPITULATION SHEET

Sr.No.	ITEM OF WORK	AMOUNT (Rs.)
A	Total Work Portion Amount for Boundary Pillar	Rs. 332115.37
B	Add Royalty Charges for Boundary Pillar Amount	Rs. 4644.14
C	Add Quality Control & Testing Charges for B.Pillar	Rs. 10510.00
D	Total Amount (A + B + C) = D	Rs. 347269.51
E	Add 18% For GST On (A)	Rs. 59781.00
F	Add 0.50% for Labour Insurance On (A)	Rs. 1661.00
G	Add 4% Contingencies On (D) = G	Rs. 13891.00
H	Gross Total Amount Rs (D+E +F+G) = H	Rs. 422602.51
	Say Rs.	422603.00


Range Forest Officer
Navi Mumbai Range
एस. एल. मांजरे
वनपरिक्षेत्र अधिकारी

कांदळवन सांघारण घटक नवी मुंबई.

Divisional Forest Officer
Mangrove Division-North Konkan

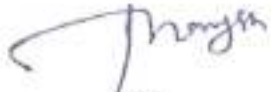
Asst.Conservator of Forest
Mangrove Division-North Konkan

Name Of Work :- Erection of Boundary Demarcation Pillars for Diversion of 8.2222 Ha. Forest land under sec.2 of the Forest conservation act, 1980 for proposed Construction of Coastal Road from Jalmarg, sector-16 Kharghar to sector-11 in CBD Belapur and Balance link between sector-15 CBD Belapur to water Transport Terminal in Nerul at Navi Mumbai Range of Mangrove Division-North

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	130.00	6.25	812.5
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. (Uft upto 1.5 m.) By Mechanical Means	Cum	35.99	215.20	7745.05
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. (prior approval of Superintending Engineer will be necessary)	Hr	65.00	186.05	12093.25
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	7.33	807.60	5916.07
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, cam packing, 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	Cum	3.19	7574.20	24123.83
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	Rmt	130.00	550.95	71623.5
7	Providing and laying Cast in situ/Ready Mix cement concrete in M20 of trap / granite/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 cement 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, verisble Drum type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (halved Sand / Crushed sand VSI Grade	Cum	20.90	7920.00	165508.2

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	31.92	8.30	264.89
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	31.92	105.00	3351.08
10	Painting with approved enamel paint in two coats including cleaning surface and lettering for Boundary Stonestone etc. complete.	Nos	910.00	44.70	40677

Total Work Portion Rs.={A} 332115.37



RFO

Navi Mumbai Range

एस. एल. मांजरे

वनपरिक्षेत्र अधिकारी

कांदळवन संयोजक घटक नवी मुंबई.

ACF

Mangrove Division North Konkan

Name Of Work :- Erection of Boundary Demarcation Pillars for Diversion of 8.2222 Ha. Forest land under sec.2 of the Forest conservation act, 1980 for proposed Construction of Coastal Road from Jalmarg, sector-16 Kharghar to sector-11 in CBD Belapur and Balance link between sector-15 CBD Belapur to water Transport Terminal in Nerul at Navi Mumbai Range of Mangrove Division-North Konkan.

MEASUREMENT SHEET

Total Nos of Boundary Pillars = 65.00 Nos

ITEM OF WORK	Unit	NO	L	B	D/H	QTY.
ITEM NO.1						
Removing grass, gazer grass and disposing off out of building premises including making clean the ground by shovel and phavaras etc. complete.						
As directed by Engineer in charge.						
S.S.R. Item No.21.34/Page No.157						
For Total No. of Boundary Pillar	Sqmt	1.00	65.00	2.00		130.00
				Net Qty.		130.00
ITEM NO.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 Means						
Spec.No. :Bd.A1 Page No.259						
S.S.R. Item No.21.02/Page No.153						
For Total No. of Boundary Pillar	Cum	65.00	0.70	0.70	1.13	35.99
				Net Qty.		35.99
ITEM NO.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. (prior approval of Superintending Engineer will be						
Spec.No. :BR 4 B Page No.104,105						
S.S.R. Item No.12.22/Page No.104						
For Total No. of Boundary Pillar	Cum	65.00			1.00	65.00
				Net Qty.		65.00
ITEM NO.4						
Providing soling using 80 mm size trap metal in 15 cm. layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.						
As directed by Engineer in charge.						
S.S.R. Item No.21.40 /Page No.194						
For Total No. of Boundary Pillar	Cum	65.00	0.70	0.70	0.23	7.33
				Net Qty.		7.33
ITEM NO.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						
Spec.No. :Bd.E.2 Page No. 288						
S.S.R. Item No.24.04/Page No.215						
For Total No. of Boundary Pillar	Cum	65.00	0.70	0.70	0.10	3.19
				Net Qty.		3.19

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 Filler

Rmt	65.00	2			130.00
			Net Qty.		130.00

ITEM NO.7

Providing and laying Cast in situ/Ready Mix cement concrete in M20 of trap / granite/quartzite/gneiss metal for bed blocks, foundation blocks and such other items including bailing out water, Steel centering, formwork, laying/ pumping, compacting, roughening thereof 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 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 variable Drum type mixer/ concrete Batching plant (Bm mixer) etc. complete. With line

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

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

For Total No. of Boundary Filler

Foundation block Below G.L

Foundation Block Above G.L

Inside Pipe [A=(pi x r x r)xL]

Deduction For Pipe [A=(pi x r x r)]

Cum	65.00	0.6	0.6	0.8	18.72
Cum	65.00	0.45	0.45	0.2	2.6325
Cum	65.00		0.01	1.3	0.845
Cum	-65.00		0.02	1	-1.3
			Net Qty.		20.90

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	65.00	0.47	1		30.62
Sqmt	65.00	0.02			1.30
			Net Qty.		31.92

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					31.92
			Net Qty.		31.92

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 A 04d/Page No 53

Lettering of Boundary Pillar (GPS Co-ordinates)

Net	65.00	14			910.00
			Net Qty.		910.00



RFO
Navl Mumbai Range

ए.स. एल. मॉर्गे

वनपरिक्षेत्र अधिकारी

क्रांतिचक्र संभारण घटक नवी मुंबई.

ACF
Mangrove Division North Konkan

Name Of Work :- Erection of Boundary Demarcation Pillars for Diversion of 8.2222 Ha. Forest land under sec.2 of the Forest conservation act. 1980 for proposed Construction of Costal Road from Jalmarg, sector-16 Kharghar to sector-11 in CBD Belapur and Balance link between sector-15 CBD Belapur to water Transport Terminal in Nerul at Navi Mumbai Range of Mangrove Division-North Konkan.

Lead Statement

Sr.No	Material	Name of Quarry	Lead in KM	Rate	Unit
1	Metal 6mm to 40mm	Kharghar	15 Km	393.44	Cu.M
2	Metal 40mm & Above	Kharghar	15 Km	410.55	Cu.M
3	Sand crushed	Vaitarna	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	05 KM	164.99	M.T.
7	Cement	Nearby Market	05 KM	164.99	M.T.
				8.25	Per Bag
8	Flooring Tiles	Nearby Market	05 KM	16.50	Sq.M
9	Rubble	Kharghar	80 Km	502.27	Cu.M



[Signature]
RFO

Navi Mumbai Range

एस. एल. मांजरे

वनपरिक्षेत्र अधिकारी

वांदववन संधारण घटक नवी मुंबई.

Rate Analysis 2022-23

Name Of Work :- Erection of Boundary Demarcation Pillars for Division of 8.2222 Ha. Forest land under sec.2 of the Forest conservation act, 1980 for proposed Construction of Coastal Road from Jalmarg, sector-16 Kharghar to sector-11 In CBD Belapur and Balance link between sector-15 CBD Belapur to water Transport Terminal In Nerul at Navi Mumbai range of Mangrove Division-North Konkan.

In Neral at Navi Mumbai Range of Mangrove Division-North Konkani.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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Sr. No.	Item No.	Ref. No.	Description of the Item	Additional Specification	Unit	Completed Rate After Deduction of SCADA Rs 125/Cum in Rs.	Deduct 1% of Labour Amenities & other overhead charge & C/Profits 10% = 21.00%	Sub Total	Add 05% for Corporation Areas = 05.25%	Build.										Total Transportation Charges	Add 1% of Labour Amenities & other overhead charge & C/Profits, 10% = 21.00%	Gross Total Amount	Final Rate Adopted																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
										Metal	45 KM	393.44	Bricks	05 KM	0.53	60mm	45 KM	502.27	Sand					45 KM	1272.71	Murum	05 KM	252.22	Cement	05 KM	8.25	Steel	05 KM	164.99	Tiles	05 KM	16.92	Rubble	45 KM	502.27	Qty	Amt	Qty	Amt	Qty	Amt																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
1	21.34	BR/2	Removing grass, plaster grass and disposing off out of building premises	As directed by Engineer	Sqmt	6.00	1.26	4.74	0.24																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

Royalty Statement

Name Of Work :- Erection of Boundary Demarcation Pillars for Division of 8,222 Ha. Forest land under sec.2 of the Forest conservation act, 1980 for proposed Construction of Coastal Road from Jalnarg, sector-16 Kharghar to sector-11 in CBD Belapur and Balance link between sector-15 CBD Belapur to water Transport Terminal in Neral at Newl Mumbai Range of Maharashtra Division-North Konkarn.

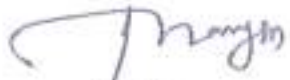

 TFO
 New Mumbai Range
 एम्स, एल. माजरे
 वनपरिचोप अभिकारी
 शास्त्रज संसारग गटक नवी मुंबई.

Name Of Work :- Erection of Boundary Demarcation Pillars for Diversion of 8.2222 Ha. Forest land under sec.2 of the Forest conservation act. 1980 for proposed Construction of Coastal Road from Jalmarg, sector-16 Kharghar to sector-11 in CBD Belapur and Balance link between sector-15 CBD Belapur to water Transport Terminal in Nerul at Navi Mumbai Range of Mangrove Division-North 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
Testing Charges For Boundary Pillars				
1) Basic Test of Cement				
Standard Consistency Finess, Specific Gravity, Setting Time (Initial & Final), Compressive Strength, Soundness.	1.00	3770	1.00	3770.00
2) Basic Test of Aggregate				
Water Absorption, Specific Gravity, Impact Value/Crushing Value.	1.00	2600	1.00	2600.00
3) Fine Aggregate				
Fineness Modulus (Sieve Analysis), Silt & Clay Content	1.00	1380	1.00	1380.00
4) Cement Concrete				
Compressive strength of C.C. Cube (Set of 3 Cubes)	4.00	690	1.00	2760.00
Total Amount Rs.				10510.00



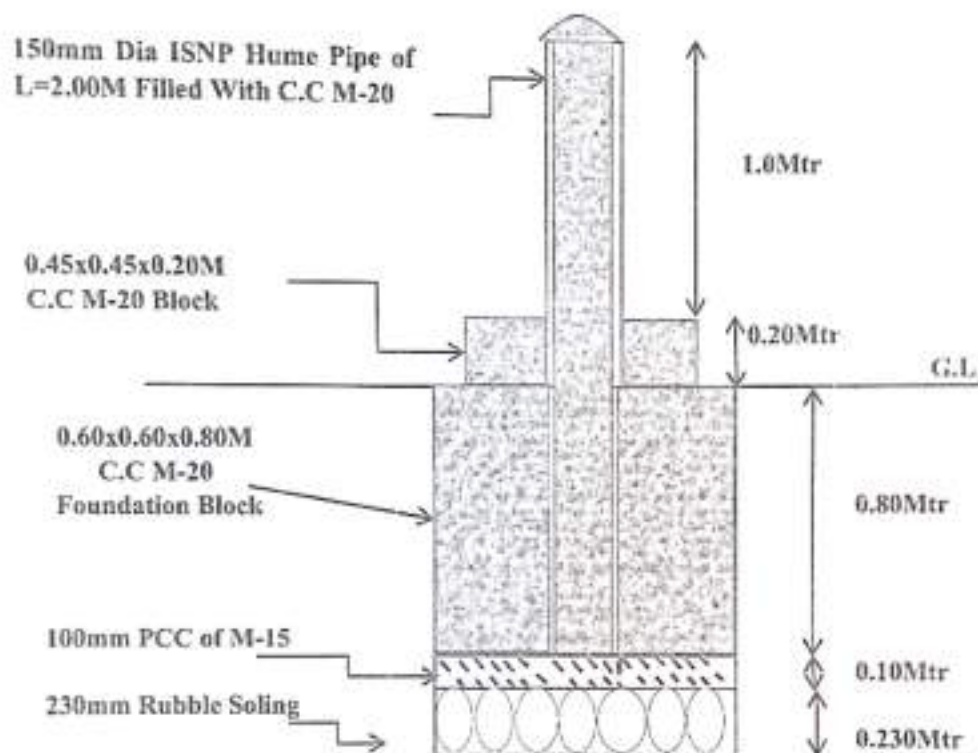
RFO
Navi Mumbai Range

एस. एल. मांजरे

वनपरिक्षेत्र अधिकारी

वातावरण संधारण घटक नवी मुंबई.

Name Of Work :- Erection of Boundary Demarcation Pillars for Diversion of 8.2222 Ha. Forest land under sec.2 of the Forest conservation act. 1980 for proposed Construction of Costal Road from Jalmarg, sector-16 Kharghar to sector-11 in CBD Belapur and Balance link between sector-15 CBD Belapur to water Transport Terminal in Nerul at Navi Mumbai Range of Mangrove Division-North Konkan



SECTIONAL VIEW OF BOUNDARY DEMARCTION PILLAR

ADVANCE COPY

FOR COMMENTS/ESTIMATION
PURPOSE ONLY

[Signature]
RFO
Navi Mumbai Range
एस. एल. माजरे
वनपरिक्षेत्र अधिकारी
वांदरवळन संभारण मंडळ नवी मुंबई.