



महाराष्ट्र शासन

महसुल व वनविभाग

उपवनसंरक्षक, सोलापूर वनविभाग, सोलापूर यांचे कार्यालय

"वनभवन" विजापूर रोड, सोलापूर, 413 004.

दूरध्वनी क्र.0217/2345096

ई-मेल forestofficesolapur@gmail.com फॅक्स नं. 0217/2345096.

जा.क्र.ब/कक्ष-13/मोजणी/ 1674 /2025-26.

सोलापूर, 413 004 दिनांक: 16/07/2025.

सुधारित पत्र.

विषय:- Diversion of 4.5092 ha forest land for proposed Greenfield Railway line between Solapur- Tuljapur-Dharashiv (Total Toal length of 84.439 Km) passing through Solapur and Dharashiv District in the State of Maharashtra FP/MH/RAIL/155198/2022.- In principal approval -regarding.

प्रति,

1. उपमुख्य अभियंता (C)-II,
मध्ये रेल्वे, भुसावळ, जि. जळगाव.
2. उपमुख्य अभियंता (Const),
मध्ये रेल्वे, सोलापूर

- संदर्भ- 1. केंद्र शासनाचे ऑनलाईन प्रस्ताव क्र. FC-1/MH-397/2024-NGP/13826, दि. 16/12/2024.
2. विभागीय वनअधिकारी, धाराशिव यांचेकडिल पत्र क्र. अ/जमीन/एफसीए/2559, दि. 19/12/2024.
3. विभागीय वनअधिकारी, धाराशिव यांचेकडिल पत्र क्र. अ/जमीन/एफसीए/2785, दि. 13/01/2025.
4. वनपरिक्षेत्र अधिकारी- सोलापूर यांचेकडिल पत्र क्र. योजना/अंदाजपत्रक/1395, दि. 10/01/2025.
5. या कार्यालयाचे पत्र क्र. ब/कक्ष-13/मोजणी/3217, दि. 15/01/2025.
6. आपलेकडिल पत्र क्र. DYCE/C/SUR/2025, दि. 20/06/2025.
7. या कार्यालयाचे पत्र क्र. ब/कक्ष-13/मोजणी/873, दि. 27/06/2025.
8. विभागीय वनअधिकारी, धाराशिव यांचेकडिल पत्र क्र. अ/जमीन/एफसीए/814, 815, 816, दि. 30/06/2025.
(या कार्यालयास दि. 15/07/2025 रोजी व्हॅटसअॅप वर उपलब्ध)

उपरोक्त विषयांकित प्रकरणी मौ. सोलापूर ता. उत्तर सोलापूर येथील राखीव वन ग. नं. 496 तसेच मौ. माडी ता. उत्तर सोलापूर येथील राखीव वन ग. नं. 165, 216 व 217 तसेच मौ. तुळजापूर येथील राखीव वन ग. नं. 44 व मौ. सांगवी माडी येथील राखीव वन ग. नं. 211 मधून सोलापूर-तुळजापूर- धाराशिव या रेल्वे मार्ग टाकणेसाठी आवश्यक 4.5092 हे. वनक्षेत्राचा वन (संवर्धन) अधिनियम 1980 अंतर्गतचे प्रस्तावास केंद्र शासनाने वरील संदर्भ क्र. 1 अन्वये काही अटींचे अधिन राहून तत्त्वतः (In- Principal) मंजूरी प्रदान केली आहे. त्यानुसार आपणास या कार्यालयाचे वरील संदर्भ क्र. 5 अन्वये आपणास सन 2024-25 या कालावधीसाठी डिमांड नोट देण्यांत आलेली होती. याबाबत आपलेकडिल वरील संदर्भ क्र. 6 अन्वये सुधारित डिमांड नोटची मागणी केलेली असून याबाबत या कार्यालयाचे वरील संदर्भ क्र. 7 अन्वये विभागीय वन अधिकारी, धाराशिव यांना सुधारित डिमांड नोट देणेबाबत कळविण्यांत आलेले होते त्यानुसार त्यांनी वरील संदर्भ क्र. 8 अन्वये अहवाल या कार्यालयास सादर केलेला आहे. त्यानुसार आपण वरील संदर्भ क्र. 6 अन्वये मागणी केलेली सन 2025-26 या कालावधीसाठीची डिमांड नोट खालीलप्रमाणे देण्यांत येत आहे.

त्याअनुषंगाने आपणास कळविण्यांत येते की, वरील संदर्भांन्वये घातलेल्या खालील अटींची पूर्तता करून पूर्तता अहवाल या कार्यालयास सादर करण्यात यावा.

अट क्र.	अट	करावयाची पूर्तता
1	Legal Status of the forest land shall remain unchanged.	अट मान्य असलेबाबत हमोपत्र सादर करण्यात यावे.
2	The demarcation of the proposed forest area shall be carried out by erecting 4 feet high cement concrete pillars duly numbered at an interval of 20 meters at the cost of the User Agency;	प्रकल्प यंत्रणेने सदरच्या अटीनुसार विभागीय वनअधिकारी, धाराशिव यांचेकडिल पत्र क्र. अ/जमीन/एफसीए/816, दि. 30/06/2025 अन्वये कळविल्यानुसार पिलर्स बसविणेसाठीची रक्कम रुपये 78,800/- (अक्षरी रक्कम रुपये अष्टाहत्तर हजार आठशे फक्त) तसेच वनपरिक्षेत्र अधिकारी-सोलापूर यांचेकडिल पत्र क्र. योजना/अंदाजपत्रक/1395, दि. 10/01/2025 रोजीचे पत्रान्वये कळविल्यानुसार पिलर्स बसविणेसाठीची रक्कम रुपये 14,72,207/- (अक्षरी रक्कम रुपये चौदा लाख बहात्तर हजार दोनशे सात फक्त) असे एकूण रक्कम रुपये 15,51,007/- (पंधरा लाख एकावन हजार सात फक्त) होत आहेत. सदरची रक्कम कॅम्पाकडे RTGS द्वारे भरणा करावी.

3	The State Forest Department shall carry out compensatory afforestation over 4.5092 ha. Non-Forest Land at Village Jevali Uttar, Old Gaothan Arca Tal. Lohara, Dist. Dharashiv, at the cost of the User Agency;	विभागीय वनअधिकारी, धाराशिव यांचेकडिल पत्र क्र. अ/जमीन/एफसीए/814, दि. 30/06/2025 अन्वये कळविल्यानुसार प्रकल्प यंत्रणेने 4.5092 हे. पर्यायी वनीकरणासाठीची आवश्यक रक्कम रुपये 47,30,304/- (अक्षरी रक्कम रुपये सत्तेचाळीस लाख तीस हजार तीनशे चार फक्त) इतकी रक्कम कॅम्पाकडे भरणा करण्यांत यावी.
4	The entire extent of 4.5092 ha. Non-Forest Land at Village Jevali Uttar, Old Gaothan Area Tal. Lohara, Dist. Dharashiv identified for Compensatory Afforestation shall be transferred and mutated in the name of Forest Department and notified as RF/PF prior to Stage-II approval. A copy of the original notification declaring 1927 non-forest land under Section 4 or Section 29 of the Indian Forest Act be wir under the relevant section of Forest Act as happroval, hy be, will be submitted by the State Gover prior to Stage-II	सदरच्या अटीनुसार प्रकल्प यंत्रणेना व विभागीय वनअधिकारी, धाराशिव यांनी कार्यवाही करून अहवाल या कार्यालयास सादर करावा.
5	The State Governmon of shall revise the CA scheme by including provision for protection of are for period of 20 years as per the St No 4 of the Setate Gover the Van (Sanrakshan Evam Samvarthe Rules 2023. The State Government shall ensure to upload all details like kml, map, CA scheme etc in to the PARIVESH portal;	सदरच्या अटीनुसार विभागीय वनअधिकारी, धाराशिव यांनी कार्यवाही करून अहवाल या कार्यालयास सादर करावा.
6	The State Government shall charge the Net Present Value of the diverted forest land measuring 4.5092 ha from the User Agency as per the orders of the Hon'ble Supreme Court dated 28.03.2008 and 09.05.2008 in IA Nos. 826 in 566 with related IA's in Writ Petition (Civil) No.202/1995 and Ministry's guideline No.5-3/2011-FC(Vol-I) dated 06.01.2022 and clarification issued vide letter dated 22.03.2022.	प्रकल्प यंत्रणेने वळतीकरण करावयाच्या वनक्षेत्राबाबत इको व्हॅल्यु क्लास- III, खुले जंगल याप्रमाणे प्रती हेक्टर रक्कम रुपये 9,57,780/- प्रमाणे 4.5092 हे. क्षेत्राचे नक्त वर्तमान मुल्य रक्कम रुपये 43,18,822/- (अक्षरी रक्कम रुपये त्रेचाळीस लाख अठरा हजार आठशे बावीस फक्त) इतकी रक्कम कॅम्पाकडे भरणा करण्यांत यावी.
7	Additional amount of the Net Present Value (NPV) of the diverted forest land if any, becoming due after revision of the same by the Hon'ble Supreme Court of India in future, shall be charged by the State Government from the User Agency. The User Agency shall furnish an undertaking to this effect;	अट मान्य असलेबाबत हमीपत्र सादर करण्यांत यावे.
8	All the funds received from the User Agency under the project shall be transferred deposited to CAMPA fund only through e-portal (https://parivesh.nic.in/);	सदरचे अटीनुसार सर्व रक्कमा या ऑनलाईन प्रणालीवर कॅम्पाकडे भरणा करावेत तसेच सदरची अट मान्य असलेबाबत हमीपत्र सादर करण्यांत यावे.
9	As the proposed forest area for diversion is a part of ESZ of GIB Wildlife Sanctuary, as recommended by the State Government the UA shall obtain prior approval of the SC-NBWL under Wildlife Protection Act, 1972, if required before carrying out any non-forest activity.	सदरच्या अटीनुसार राष्ट्रीय वन्यजीव मंडळ व राज्य वन्यजीव मंडळ यांची परवानगी घेण्यांत यावी तसेच सदरची अट मान्य असलेबाबत हमीपत्र सादर करण्यांत यावे.
10	The site-specific wildlife mitigation plan duly approved by the SC NBWL /State CWLW as the case may be shall be implemented at the cost of the project;	सदरच्या अटीनुसार कार्यवाही करून अहवाल या कार्यालयास सादर करावा व सदरची अट मान्य असलेबाबत हमीपत्र सादर करण्यांत यावे.
11	All mitigation measures shall in accordance with the Wildlife Institute of India (WII) prescription for such linear projects;	सदरच्या अटीनुसार कार्यवाही करून अहवाल या कार्यालयास सादर करावा व सदरची अट मान्य असलेबाबत हमीपत्र सादर करण्यांत यावे.
12	All activities shall be carried out in accordance with the ESZ notification and the User Agency shall obtain permission approval from the concerned authorities as per the provision of ESZ notification;	सदरच्या अटीनुसार कार्यवाही करून अहवाल या कार्यालयास सादर करावा व सदरची अट मान्य असलेबाबत हमीपत्र सादर करण्यांत यावे.
13	Tree felling shall be carried out in the forest area wherever necessary and unavoidable. Tree felling shall be done under the strict supervision of the Forest Department at the cost of the project;	वळतीकरण करावयाचे सोलापूर वनविभागातील 3.3685 हे. वनक्षेत्रामध्ये बाधीत होत असलेल्या 13687 झाडांची तोड करण्यासाठी वनक्षेत्रपाल- सोलापूर यांनी कळविल्यानुसार

		लागणारी रक्कम रुपये 6,42,005/- (रक्कम रुपये सहा लाख ब्याळीस हजार पाच फक्त) इतक्या रक्कमेचा उपवनसंरक्षक, सोलापूर वनविभाग, सोलापूर यांचे नावाचा डी. डी. (Demand Draft) उपवनसंरक्षक, सोलापूर वनविभाग, सोलापूर यांचेकडे जमा करावा व तसे या कार्यालयास अवगत करण्यांत यावे. तसेच विभागीय वनअधिकारी, धाराशिव यांचेकडिल पत्र क्र. अ/जमीन/एफसीए/815, दि. 30/06/2025 अन्वये कळविल्यानुसार धाराशिव वनविभागातील 1.1407 हे. मधील वृक्षतोडीसाठीची लागणारी रक्कम रुपये 2,35,707/- (अक्षरी रक्कम रुपये दोन लाख पन्तीस हजार सातशे सात फक्त) इतकी रक्कम ही CAMPA account of DFO, Dharashiv, State Bank of India, Near Collector office, main road Dharashiv (Osmanabad) Branch code 20039 Account number 39080608233, IFSC code SBIN0020039, MICR 413002128 यामध्ये जमा करणेबाबत कळविण्यांत आलेले आहे तरी याप्रमाणे कार्यवाही करण्यांत यावी. तसेच सदर अट मान्य असलेबाबत हमीपत्र सादर करावे.
14	The construction work shall be carried out only as per the timings that may be prescribed by the CWLW or SCNBWL direction as the case may be;	सदरच्या अटीनुसार कार्यवाही करून अहवाल या कार्यालयास सादर करावा व सदरची अट मान्य असलेबाबत हमीपत्र सादर करण्यांत यावे.
15	Proper labour camps shall be constructed in the non-forest area and in any case, labour camp shall not be made within the RF area;	अट मान्य असलेबाबत हमीपत्र सादर करण्यांत यावे.
16	Speed limit of the train may be restricted as required in consultation with the CWLW and court orders, if any specific to the speed regulation in such wildlife habitats;	सदरच्या अटीनुसार कार्यवाही करून अहवाल या कार्यालयास सादर करावा व सदरची अट मान्य असलेबाबत हमीपत्र सादर करण्यांत यावे.
17	After ensuring settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 (2 of 2007) diversion as the 2000 Ission and as case may ball issue order for working be	सदर अटी पूर्ततेबाबत जिल्हाधिकारी- सोलापूर व धाराशिव यांचेकडिल विहीत नमुन्यातील प्रमाणपत्र व इतर सर्व कादपत्रांसह अहवाल तात्काळ या कार्यालयास सादर करावे.
18	Speed regulating fedted Areas Forest led along the railway line at regular intervals in the Protected Areas	अट मान्य असलेबाबत हमीपत्र सादर करण्यांत यावे.
19	User Agency shall protection metal Clearance as per the provisions of the Environmental (Protection) Act, 1986, if applicable,	अट मान्य असलेबाबत हमीपत्र सादर करण्यांत यावे.
20	Sufficient firewood, preferably the alternate fuel, shall be provided by the User Agency to ther the Forest after purchasing the same from by the Forest Department or the Forest Development Corporation or any other Seal source of alternate fuel;	अट मान्य असलेबाबत हमीपत्र सादर करण्यांत यावे.
21	No additional or new path will be constructed inside the forest area for the Mansportation of construction materials for execution of the project work;	अट मान्य असलेबाबत हमीपत्र सादर करण्यांत यावे.
22	The forest land proposed to be diverted shall under no circumstances be transferred or sublet to any other agencies, department or person without prior approval of Govt. of India;	अट मान्य असलेबाबत हमीपत्र सादर करण्यांत यावे.
23	Pre-fabricated structures should be used to the maximum possible extent to reduce the extent of disturbance in the habitat;	अट मान्य असलेबाबत हमीपत्र सादर करण्यांत यावे.
24	The debris/earth excavated during the track laying work should be disposed off or reused suitably so that the natural drainage of the area is not blocked;	अट मान्य असलेबाबत हमीपत्र सादर करण्यांत यावे.
25	The total forest area utilized for the project shall not exceed 4.5092 ha and the forest area diverted shall not be used for any purpose other than those shown in the diversion proposal. The User Agency shall furnish an undertaking to this effect;	अट मान्य असलेबाबत हमीपत्र सादर करण्यांत यावे.

26	The User Agency and the State Government shall ensure compliance to the all acts, rules, regulation and guidelines of the Ministry, for the time being in force, as applicable to the railway line projects,	अट मान्य असलेबाबत हमीपत्र सादर करण्यात यावे.
27	Any other condition that the Regional Office, Nagpur may impose from time to time in the interest of afforestation, conservation and management of flora and fauna in the area shall be complied by the User Agency:	अट मान्य असलेबाबत हमीपत्र सादर करण्यात यावे.
28	In the event of failure to comply with any of the above conditions the User Agency is liable for penal action as per the rules guidelines issued under Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980;	अट मान्य असलेबाबत हमीपत्र सादर करण्यात यावे.
29	The State Government shall process and submit compliance report on the above conditions through online (https://parivesh.nic.in/).	सदर अटी पूर्ततेबाबतचा अहवाल ऑनलाईन प्रणालीवर सादर करावा व तसेच या कार्यालयास हार्ड कॉपीमध्ये सादर करावा व अट मान्य असलेबाबत हमीपत्र सादर करण्यात यावे.
30	In case, the SC NBWL rejects or not recommend the instant proposal under Wildlife (Protection) Act, 1972, the in principle approval order issued under Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980 shall be deemed to be null and void:	अट मान्य असलेबाबत हमीपत्र सादर करण्यात यावे.

केंद्र शासनाकडील वरील संदर्भान्वये देण्यांत आलेली तत्त्वतः मंजूरी ही दोन वर्षांपर्यंत वैध असून वरीलप्रमाणे अटी पूर्तता अहवाल विहीत केलेल्या वेळेमध्ये सादर करण्यांत आलेनंतरच सदरचे प्रस्तावास अंतिम मंजूरीची पुढील उचित कार्यवाही करता येईल. तसेच वरील रक्कम हया सन 2025-26 या आर्थिक वर्षातील रेडी रेकनर दराप्रमाणे आहेत. तरी सदरच्या रक्कम हया सन 2025-26 या आर्थिक वर्षातच कॅम्पाकडे भरणा कराव्यात व उपरोक्त अटींची पूर्तता अहवाल या कार्यालयास सादर करावा. अन्यथा नवीन आर्थिक वर्षाच्या वाढीव रक्कम भराव्या लागतील याची कृपया नोंद घ्यावी. आपला अटी पूर्तता अहवाल या कार्यालयास प्राप्त झाल्यानंतर अंतिम मंजूरीस्तव सदर अहवाल यथोचित मार्गाने केंद्र शासनास सादर करण्यांत येईल.

सोबत - वरीलप्रमाणे.


(कुलराज सिंह भा.व.से.)

उपवनसंरक्षक,
सोलापूर वनविभाग, सोलापूर

प्रतिलिपी -1. मा. अपर प्रधान मुख्य वनसंरक्षक व केंद्रस्थ अधिकारी, म. रा. नागपूर यांचेकडे वरीलप्रमाणे माहितीसाठी सविनय सादर.

2. मा. वनसंरक्षक (प्रा.) पुणे यांना वरीलप्रमाणे माहितीस्तव सविनय सादर.

3. मा. वनसंरक्षक (प्रा.) छत्रपती संभाजीनगर यांना वरीलप्रमाणे माहितीस्तव सविनय सादर.

4. विभागीय वनअधिकारी, धाराशिव यांचेकडे वरीलप्रमाणे माहिती व पुढील उचित कार्यवाहीसाठी.

2/- आपणास कळविण्यांत येते की, वरीलप्रमाणे आपलेशी निगडीत असलेल्या अटींची पूर्तता करून पुर्तता अहवाल तात्काळ या कार्यालयास सादर करावा.

प्रत- 1. सहा. वनसंरक्षक (कॅम्पा), सोलापूर यांचेकडे वरीलप्रमाणे माहिती व पुढील उचित कार्यवाहीसाठी.

2. वनपरिक्षेत्र अधिकारी, सोलापूर यांचेकडे वरीलप्रमाणे माहिती व पुढील उचित कार्यवाहीसाठी.7

CA SCHEME

Enclosure to Principal Chief Conservator of Forest (HoFF) M.S. Nagpur Letter No Desk 17/CA/ Nodel Cell/CR-40/1127/2019-20 Dated- 04.10.2019

Modal Rate Structure for Compensatory Afforestation

Modal No. 5

Fencing and Irrigated Plantations

Project Name :- Diversion of Forest Land for the Greenfield Railway line between Solapur-Tuljapur-Osmanabad
(Total Length of 84.439 Km) in the Darashiv & Solapur District.

Year :- 2025-26

Village :- Jewali Uttar (Old Gaothan)

Taluka :- Lohara

Dist :- Dharashiv

Total Area :- 4.5092 Ha.

PR card No. :- 1-1372 & 14848-1568

Area :- 4.51 Ha.

Spacement :- - 3.0 m. x 3.0 m.

Size of pits :- - 0.45 x 0.45 x 0.45 m.

Wage Rate :- **514.88** Rs per day

No. of Seedlings :- - 1111 per ha.

Sr.No.	Particulars of Works	Rate structure for 1 ha.				Rate structure for 4.51 Ha.			
		Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.	Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.
A. Pre Monsoon Works (PPO/PYO)									
1	a. Survey & demarcation	1.00	514.88	91.00	605.88	4.51	2321.70	410.34	2732.03
	b). Preparation of treatment map (100 m. x 50 m. grid)	1.00	514.88	91.00	605.88	4.51	2321.70	410.34	2732.03
	c). Digging trial Pits of size 0.30x0.30x0.60 in corner of Grid.	0.40	205.95	0.00	205.95	1.80	928.68	0.00	928.68
	d) Fixing 60cm x0.05cm x12cm cement Pillars upto 30cm deep in corner of Grid, paintion with Grid No. etc complete (3Pillars, Rs. 75/-for each Pillrs)	0.00	0.00	225.00	225.00	0.00	0.00	1014.57	1014.57
	e) Clearing of bushes and preparation of site (As per requirement)	10.00	5148.80	91.00	5239.80	45.09	23216.97	410.34	23627.31
2	Soil and moisture conservation works including collection of rubbles from areas upto 30 m. etc.	31.00	15961.28	0.00	15961.28	139.79	71972.60	0.00	71972.60
3	Providing and fixing chain link fencing, 102 Rmt per ha (With one gate + two wickets gates for one site) (Rs.1494/- per Rmt of basic rate+ 20% for transportation of ave. leadplus 20% for trribal/remote area (by tender process.) (Rs. 1494+149+149=1792/-per Rmt (1.60 Rmt height with G.I. Chain link size 50 mmx50m,8gauge thick and fixed 75mm above groun level complete as per SSR item No. 1744 for 2017-18)	0.00	0.00	182865.60	182865.60	0.00	0.00	824577.56	824577.56
4	Allingment of pits at 3mx3m spacement 1111 pits per ha. (0.25per Ha. 100 pitsand M&S @ Rs. 2.24 per 50 pits.	2.78	1431.37	49.77	1481.14	12.54	6454.32	224.42	6678.74
5	Diging of pits of 0.45 x 4.45 x 0.45 m size (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	37756.15	0.00	37756.15	330.66	170250.03	0.00	170250.03

6	Construction of 5.00 Rmt wide inspection path 1 M.D per 100 Rmt.	1.00	514.88	0.00	514.88	4.51	2321.70	0.00	2321.70
7	Enumertion of all Valuable plant species at plantation site and Grid wise counting and providing color band and recording the same in Register (0.75m.D.) per 100 plants	0.75	386.16	25.00	411.16	3.38	1741.27	112.73	1854.00
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 3000 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)	46.71	24050.04	4825.46	28875.50	210.62	108446.46	21758.96	130205.43
	Total of PPO+PYO	167.97	86484.39	193263.83	279748.22	757.41	389975.43	853919.26	1243894.69
	Countigency 3 % total				8392.45				37316.84
	Labour Welfare 4%)				11189.93				49755.79
	Grand Total of PPO+PYO	167.97	86484.39	193263.83	299330.60				1330967.32

Sr.No.	Particulars of Works	Rate structure for 1 ha.				Rate structure for 4.51 Ha.			
		Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.	Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.
	B. FIRST YEAR OPERATION.								
1	Part Nursery cost for maintenance of 1333 seedling per ha RS. 3.77 per seeding (wages Rs.2.69, M& S Rs. 0.81)	14.80	7620.22	1079.73	8699.95	66.74	34361.11	4868.72	39229.83
2	Refilling of pits by good quality soil including application of single super phosphate (1.66 MD per 100 Pits)	18.44	9494.39	1944.25	11438.64	83.15	42812.09	8767.01	51579.10
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	962.83	2426.00	3388.83	8.43	4341.57	10939.32	15280.89
4	planting of 1111 seedlings (1.1 M.D. per 100 seedling.)	11.11	5720.32	0.00	5720.32	50.10	25794.05	0.00	25794.05
5	3 seedlings (1 Rmt circular) and 2 soilworkings (4.00 M.D per 100seedlings) fertilizer application Rs. 0.82 per seedling	44.44	22881.27	911.02	23792.29	200.39	103176.21	4107.97	107284.18
6	Watering 1111 seeding November and December 1 time each January to March 2 time each per seeding 5 liter water purchase of 1111 plastic can of 5 liter /Matka @ Rs 25/- each abd 100 liter capacity 11 drums @ Rs. 400/- each for supplying water and water supply at @ Rs.0.05 per liter and wages for watching 1 M.D.For 150 seeding	59.25	30506.64	54395.00	84901.64	267.17	137560.54	245277.93	382838.48
7	Casualty replacement (20% 222 Seedlings per ha.) (2 M.D.Per 100 Seedlings)	4.44	2286.07	0.00	2286.07	20.02	10308.33	0.00	10308.33
8	Part Nursery cost for causality replacemnt in SYO (500 seedlings per ha.) (wages Rs.11.90 and material Supply Rs. 3.62 total Rs. 12.55 per seedling.)	7.77	4000.62	803.64	4804.26	35.04	18039.58	3623.77	21663.36
9	watch and ward (10 months- 1 wacher per 10 ha.)	27.38	14097.41	0.00	14097.41	123.46	63568.06	0.00	63568.06
10	Soil working for naturally grower plants and sigling (1.15 M.D. per 100 plants)	1.15	592.11	10.00	602.11	5.19	2669.95	45.09	2715.04
11	Fire tracing	2.00	1029.76	0.00	1029.76	9.02	4643.39	0.00	4643.39
	Total FYO	192.65	99191.63	61569.64	160761.27	868.70	447274.91	277629.82	724904.73
	Contingency 3 % Total				4822.84				21747.14
	Labour Welfare 4% .				6430.45				28996.19
	Grand Total of FYO	192.65	99191.63	61569.64	172014.56				775648.06

514.88

Sr.No.	Particulars of Works	Rate structure for 1 ha.				Rate structure for 4.51 Ha.			
		Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.	Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.
	C. SECOND YEAR OPERATION								
1	Part nursery cost for seedlings for casualty replacemnt (222 seedling per ha) labour rate @ Rs. 3.77 and M.S RS. 1.82 per seedlings.	2.46	1266.60	404.00	1670.60	11.09	5711.37	1821.72	7533.09
2	Transportation of 222 seedlings for causality replacemnt 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	159.61	404.04	563.65	1.40	719.73	1821.90	2541.62
3	Planting for casualty replacement 222 seedlings (2.00M.D per 100 seedlings)	4.44	2286.07	0.00	2286.07	20.02	10308.33	0.00	10308.33
4	2 weedings and 1 soil working, with fertilizer application at 2.5 M.D. per 100 seedlings M.S. Rs. 0.82 per seedling	27.77	14298.22	911.02	15209.24	125.22	64473.52	4107.97	68581.49
5	Watering 1111 seeding November and December January and june 1 time each and Feburuary to may 2 time each 12 times 5 liter per seeding replacing 10% plastic can /Matka @ Rs 25/- each replacing 111cans /matka suppling water @ Rs.0.50 per liter watering 150 seeding per M.D	88.88	45762.53	36105.00	81867.53	400.78	206352.42	162804.67	369157.09
6	watch and ward 12 months -1 watcher per 10.00 ha.	36.50	18793.12	0.00	18793.12	164.59	84741.94	0.00	84741.94
7	fire tracing	2.00	1029.76	0.00	1029.76	9.02	4643.39	0.00	4643.39
	Total	162.36	83595.92	37824.06	121419.98	732.11	376950.71	170556.25	547506.96
	Contigency 3 %				3642.60				16425.21
	Labour Welfare 4%				4856.80				21900.28
	Grand Total of SYO	162.36	83595.92	37824.06	129919.38				585832.45

514.88

Sr.No.	Particulars of Works	Rate structure for 1 ha.				Rate structure for 4.51 Ha.			
		Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.	Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.
	D. THIRD YEAR OPERATION								
1	1 weedings ang 1 soil working (1.50 M.D. per 100 seedling) applying fertilizer @ Rs. 0.82 per Plant	16.67	8583.05	911.02	9494.07	75.17	38702.69	4107.97	42810.66
2	Watering 1111 seeding November and December January and june 1 time each and Feburuary to may 2 time each 12 times 5 liter per seeding water Supply @ Rs.0.50 per liter watering 150 seeding per M.D	44.48	22901.86	16680.00	39581.86	200.57	103269.08	75213.46	178482.53
3	Watch and ward 12 months 1 watcher per 10.00 ha.	36.50	12395.77	0.00	12395.77	164.59	55895.01	0.00	55895.01
4	Counting of Survival percentage Grid wise and species wise and to Note the same on Register in May and October.	2.00	1029.76	25.00	1054.76	9.02	4643.39	112.73	4756.12
5	Fire tracing	2.00	1029.76	0.00	1029.76	9.02	4643.39	0.00	4643.39
	Total	101.65	45940.20	17616.02	63556.22	458.36	207153.56	79434.16	286587.72
	Contigency 3 %				1906.69				8597.63
	Labour Welfare 4%				2542.25				11463.51
	Grand Total of TYO	101.65	45940.20	17616.02	68005.16				306648.86

514.88

Sr.No.	Particulars of Works	Rate structure for 1 ha.				Rate structure for 4.51 Ha.			
		Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.	Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.
	E. FOURTH YEAR OPERATION								
1	Watch and ward 12 months 1 watcher per 10.00 ha.	36.50	18793.12	0.00	18793.12	164.59	84741.94	0.00	84741.94
2	Counting of Survival percentage Grid wise and species wise and to Note the same on Register in May and October.	2.00	1029.76	25.00	1054.76	9.02	4643.39	112.73	4756.12
3	Fire tracing	2.00	1029.76	0.00	1029.76	9.02	4643.39	0.00	4643.39
	Grand Total of 4 th Year.	40.50	20852.64	25.00	20877.64	182.62	94028.72	112.73	94141.45
	Contingency 3 %				626.33				2824.24
	Labour Welfare 4%				835.11				3765.66
	Grand Total of 4 th Year.	40.50	20852.64	25.00	22339.07				100731.36

514.88

Sr.No.	Particulars of Works	Rate structure for 1 ha.				Rate structure for 4.51 Ha.			
		Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.	Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.
	F. FIFTH YEAR OPERATION								
1	Watch and ward 12 months 1 watcher per 10.00 ha.	36.50	18793.12	0.00	18793.12	164.59	84741.94	0.00	84741.94
2	Counting of Survival percentage Grid wise and species wise and to Note the same on Register in May and October.	2.00	1029.76	25.00	1054.76	9.0	4643.39	112.73	4756.12
3	Fire tracing	2.00	1029.76	0.00	1029.76	9.0	4643.39	0.00	4643.39
	Total	40.50	20852.64	25.00	20877.64	182.6	94028.72	112.73	94141.45
	Contingency 3 %				626.33				2824.24
	Labour Welfare 4%				835.11				3765.66
	Grand Total of 5 th Year.	40.50	20852.64	25.00	22339.07				100731.36

514.88

Sr.No.	Particulars of Works	Rate structure for 1 ha.				Rate structure for 4.51 Ha.			
		Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.	Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.
	G. SIXTH YEAR OPERATION								
1	Watch and ward 12 months 1 watcher per 10.00 ha.	36.50	18793.12	0.00	18793.12	164.59	84741.94	0.00	84741.94
2	Counting of Survival percentage Grid wise and species wise and to Note the same on Register in May and October.	2.00	1029.76	25.00	1054.76	9.02	4643.39	112.73	4756.12
3	Fire tracing	2.00	1029.76	0.00	1029.76	9.02	4643.39	0.00	4643.39
	Total	40.50	20852.64	25.00	20877.64	182.62	94028.72	112.73	94141.45
	Contingency 3 %				626.33				2824.24
	Labour Welfare 4%				835.11				3765.66
	Grand Total of 6th Year.	40.50	20852.64	25.00	22339.07				100731.36

514.88

Sr.No.	Particulars of Works	Rate structure for 1 ha.				Rate structure for 4.51 Ha.			
		Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.	Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.
	H. SEVENTH YEAR OPERATION								
1	Watch and ward 12 months 1 watcher per 10.00 ha.	36.50	18793.12	0.00	18793.12	164.5858	84741.94	0.00	84741.94
2	Counting of Survival percentage Grid wise and species wise and to Note the same on Register in May and October.	2.00	1029.76	25.00	1054.76	9.0184	4643.39	112.73	4756.12
3	Fire tracing	2.00	1029.76	0.00	1029.76	9.0184	4643.39	0.00	4643.39
	Total	40.50	20852.64	25.00	20877.64	182.6226	94028.72	112.73	94141.45
	Contingency 3 %				626.33				2824.24
	Labour Welfare 4%				835.11				3765.66
	Grand Total of 7th Year.	40.50	20852.64	25.00	22339.07				100731.36

514.88

Sr.No.	Particulars of Works	Rate structure for 1 ha.				Rate structure for 4.51 Ha.			
		Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.	Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.
	I. EIGHTH YEAR OPERATION								
1	Watch and ward 12 months 1 watcher per 10.00 ha.	36.50	18793.12	0.00	18793.12	164.5858	84741.94	0.00	84741.94
2	Counting of Survival percentage Grid wise and species wise and to Note the same on Register in May and October.	2.00	1029.76	25.00	1054.76	9.0184	4643.39	112.73	4756.12
3	Fire tracing	2.00	1029.76	0.00	1029.76	9.0184	4643.39	0.00	4643.39
	Total	40.50	20852.64	25.00	20877.64	182.6226	94028.72	112.73	94141.45
	Contingency 3 %				626.33				2824.24
	Labour Welfare 4%				835.11				3765.66
	Grand Total of 8 th Year.	40.50	20852.64	25.00	22339.07				100731.36

514.88

Sr.No.	Particulars of Works	Rate structure for 1 ha.				Rate structure for 4.51 Ha.			
		Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.	Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.
	J. NINETH YEAR OPERATION								
1	Watch and ward 12 months 1 watcher per 10.00 ha.	36.50	18793.12	0.00	18793.12	164.5858	84741.94	0.00	84741.94
2	Counting of Survival percentage Grid wise and species wise and to Note the same on Register in May and October.	2.00	1029.76	25.00	1054.76	9.0184	4643.39	112.73	4756.12
3	Fire tracing	2.00	1029.76	0.00	1029.76	9.0184	4643.39	0.00	4643.39
	Total	40.50	20852.64	25.00	20877.64	182.6226	94028.72	112.73	94141.45
	Contingency 3 %				626.33				2824.24
	Labour Welfare 4%				835.11				3765.66
	Grand Total of 9th Year.	40.50	20852.64	25.00	22339.07				100731.36

514.88

Sr.No.	Particulars of Works	Rate structure for 1 ha.				Rate structure for 4.51 Ha.			
		Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.	Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.
	K. TENTH YEAR OPERATION								
1	Watch and ward 12 months 1 watcher per 10.00 ha.	36.50	18793.12	0.00	18793.12	164.5858	84741.94	0.00	84741.94
2	Counting of Survival percentage Grid wise and species wise and to Note the same on Register in May and October.	2.00	1029.76	25.00	1054.76	9.0184	4643.39	112.73	4756.12
3	Fire tracing	2.00	1029.76	0.00	1029.76	9.0184	4643.39	0.00	4643.39
	Total	40.50	20852.64	25.00	20877.64	182.6226	94028.72	112.73	94141.45
	Contingency 3 %				626.33				2824.24
	Labour Welfare 4%				835.11				3765.66
	Grand Total of 10 th Year.	40.50	20852.64	25.00	22339.07				100731.36

514.88

Sr.No.	Particulars of Works	Rate structure for 1 ha.				Rate structure for 4.51 Ha.			
		Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.	Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.
	K. ELEVENTH YEAR OPERATION								
1	Watch and ward 12 months 1 watcher per 10.00 ha.	36.50	18793.12	0.00	18793.12	164.5858	84741.94	0.00	84741.94
2	Counting of Survival percentage Grid wise and species wise and to Note the same on Register in May and October.	2.00	1029.76	25.00	1054.76	9.0184	4643.39	112.73	4756.12
3	Fire tracing	2.00	1029.76	0.00	1029.76	9.0184	4643.39	0.00	4643.39
	Total	40.50	20852.64	25.00	20877.64	182.6226	94028.72	112.73	94141.45
	Contingency 3 %				626.33				2824.24
	Labour Welfare 4%				835.11				3765.66
	Grand Total of 10 th Year.	40.50	20852.64	25.00	22339.07				100731.36

514.88

Sr.No.	Particulars of Works	Rate structure for 1 ha.				Rate structure for 4.51 Ha.			
		Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.	Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.
	K. TWELFTH YEAR OPERATION								
1	Watch and ward 12 months 1 watcher per 10.00 ha.	36.50	18793.12	0.00	18793.12	164.5858	84741.94	0.00	84741.94
2	Counting of Survival percentage Grid wise and species wise and to Note the same on Register in May and October.	2.00	1029.76	25.00	1054.76	9.0184	4643.39	112.73	4756.12
3	Fire tracing	2.00	1029.76	0.00	1029.76	9.0184	4643.39	0.00	4643.39
	Total	40.50	20852.64	25.00	20877.64	182.6226	94028.72	112.73	94141.45
	Contingency 3 %				626.33				2824.24
	Labour Welfare 4%				835.11				3765.66
	Grand Total of 10 th Year.	40.50	20852.64	25.00	22339.07				100731.36

514.88

Sr.No.	Particulars of Works	Rate structure for 1 ha.				Rate structure for 4.51 Ha.			
		Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.	Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.
	K. THIRTEENTH YEAR OPERATION								
1	Watch and ward 12 months 1 watcher per 10.00 ha.	36.50	18793.12	0.00	18793.12	164.5858	84741.94	0.00	84741.94
2	Counting of Survival percentage Grid wise and species wise and to Note the same on Register in May and October.	2.00	1029.76	25.00	1054.76	9.0184	4643.39	112.73	4756.12
3	Fire tracing	2.00	1029.76	0.00	1029.76	9.0184	4643.39	0.00	4643.39
	Total	40.50	20852.64	25.00	20877.64	182.6226	94028.72	112.73	94141.45
	Contingency 3 %				626.33				2824.24
	Labour Welfare 4%				835.11				3765.66
	Grand Total of 10 th Year.	40.50	20852.64	25.00	22339.07				100731.36

514.88

Sr.No.	Particulars of Works	Rate structure for 1 ha.				Rate structure for 4.51 Ha.			
		Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.	Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.
	K. FOURTEENTH YEAR OPERATION								
1	Watch and ward 12 months 1 watcher per 10.00 ha.	36.50	18793.12	0.00	18793.12	164.5858	84741.94	0.00	84741.94
2	Counting of Survival percentage Grid wise and species wise and to Note the same on Register in May and October.	2.00	1029.76	25.00	1054.76	9.0184	4643.39	112.73	4756.12
3	Fire tracing	2.00	1029.76	0.00	1029.76	9.0184	4643.39	0.00	4643.39
	Total	40.50	20852.64	25.00	20877.64	182.6226	94028.72	112.73	94141.45
	Contingency 3 %				626.33				2824.24
	Labour Welfare 4%				835.11				3765.66
	Grand Total of 10 th Year.	40.50	20852.64	25.00	22339.07				100731.36

514.88

Sr.No.	Particulars of Works	Rate structure for 1 ha.				Rate structure for 4.51 Ha.			
		Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.	Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.
	K. FIFTEENTH YEAR OPERATION								
1	Watch and ward 12 months 1 watcher per 10.00 ha.	36.50	18793.12	0.00	18793.12	164.5858	84741.94	0.00	84741.94
2	Counting of Survival percentage Grid wise and species wise and to Note the same on Register in May and October.	2.00	1029.76	25.00	1054.76	9.0184	4643.39	112.73	4756.12
3	Fire tracing	2.00	1029.76	0.00	1029.76	9.0184	4643.39	0.00	4643.39
	Total	40.50	20852.64	25.00	20877.64	182.6226	94028.72	112.73	94141.45
	Contingency 3 %				626.33				2824.24
	Labour Welfare 4%				835.11				3765.66
	Grand Total of 10 th Year.	40.50	20852.64	25.00	22339.07				100731.36

514.88

Sr.No.	Particulars of Works	Rate structure for 1 ha.				Rate structure for 4.51 Ha.			
		Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.	Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.
	K. SIXTEENTH YEAR OPERATION								
1	Watch and ward 12 months 1 watcher per 10.00 ha.	36.50	18793.12	0.00	18793.12	164.5858	84741.94	0.00	84741.94
2	Counting of Survival percentage Grid wise and species wise and to Note the same on Register in May and October.	2.00	1029.76	25.00	1054.76	9.0184	4643.39	112.73	4756.12
3	Fire tracing	2.00	1029.76	0.00	1029.76	9.0184	4643.39	0.00	4643.39
	Total	40.50	20852.64	25.00	20877.64	182.6226	94028.72	112.73	94141.45
	Contingency 3 %				626.33				2824.24
	Labour Welfare 4%				835.11				3765.66
	Grand Total of 10 th Year.	40.50	20852.64	25.00	22339.07				100731.36

514.88

Sr.No.	Particulars of Works	Rate structure for 1 ha.				Rate structure for 4.51 Ha.			
		Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.	Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.
	K. SEVENTEENTH YEAR OPERATION								
1	Watch and ward 12 months 1 watcher per 10.00 ha.	36.50	18793.12	0.00	18793.12	164.5858	84741.94	0.00	84741.94
2	Counting of Survival percentage Grid wise and species wise and to Note the same on Register in May and October.	2.00	1029.76	25.00	1054.76	9.0184	4643.39	112.73	4756.12
3	Fire tracing	2.00	1029.76	0.00	1029.76	9.0184	4643.39	0.00	4643.39
	Total	40.50	20852.64	25.00	20877.64	182.6226	94028.72	112.73	94141.45
	Contingency 3 %				626.33				2824.24
	Labour Welfare 4%				835.11				3765.66
	Grand Total of 10 th Year.	40.50	20852.64	25.00	22339.07				100731.36

514.88

Sr.No.	Particulars of Works	Rate structure for 1 ha.				Rate structure for 4.51 Ha.			
		Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.	Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.
	K. EIGHTEENTH YEAR OPERATION								
1	Watch and ward 12 months 1 watcher per 10.00 ha.	36.50	18793.12	0.00	18793.12	164.5858	84741.94	0.00	84741.94
2	Counting of Survival percentage Grid wise and species wise and to Note the same on Register in May and October.	2.00	1029.76	25.00	1054.76	9.0184	4643.39	112.73	4756.12
3	Fire tracing	2.00	1029.76	0.00	1029.76	9.0184	4643.39	0.00	4643.39
	Total	40.50	20852.64	25.00	20877.64	182.6226	94028.72	112.73	94141.45
	Contingency 3 %				626.33				2824.24
	Labour Welfare 4%				835.11				3765.66
	Grand Total of 10 th Year.	40.50	20852.64	25.00	22339.07				100731.36

514.88

Sr.No.	Particulars of Works	Rate structure for 1 ha.				Rate structure for 4.51 Ha.			
		Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.	Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.
	K. NINETEENTH YEAR OPERATION								
1	Watch and ward 12 months 1 watcher per 10.00 ha.	36.50	18793.12	0.00	18793.12	164.5858	84741.94	0.00	84741.94
2	Counting of Survival percentage Grid wise and species wise and to Note the same on Register in May and October.	2.00	1029.76	25.00	1054.76	9.0184	4643.39	112.73	4756.12
3	Fire tracing	2.00	1029.76	0.00	1029.76	9.0184	4643.39	0.00	4643.39
	Total	40.50	20852.64	25.00	20877.64	182.6226	94028.72	112.73	94141.45
	Contingency 3 %				626.33				2824.24
	Labour Welfare 4%				835.11				3765.66
	Grand Total of 10 th Year.	40.50	20852.64	25.00	22339.07				100731.36

514.88

Sr.No.	Particulars of Works	Rate structure for 1 ha.				Rate structure for 4.51 Ha.			
		Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.	Man days per Ha.	Wages per Ha.	Material supply per Ha.	Total Per Ha.
	K. TWENTIETH YEAR OPERATION								
1	Watch and ward 12 months 1 watcher per 10.00 ha.	36.50	18793.12	0.00	18793.12	164.5858	84741.94	0.00	84741.94
2	Counting of Survival percentage Grid wise and species wise and to Note the same on Register in May and October.	2.00	1029.76	25.00	1054.76	9.0184	4643.39	112.73	4756.12
3	Fire tracing	2.00	1029.76	0.00	1029.76	9.0184	4643.39	0.00	4643.39
	Total	40.50	20852.64	25.00	20877.64	182.6226	94028.72	112.73	94141.45
	Contingency 3 %				626.33				2824.24
	Labour Welfare 4%				835.11				3765.66
	Grand Total of 10 th Year.	40.50	20852.64	25.00	22339.07				100731.36

Project Name :- Diversion of Forest Land for the Greenfield Railway line between Solapur-Tuljapur-Osmanabad
(Total Length of 84.439 Km) in the Darashiv & Solapur District.

Year :- 2025-26

Village :- Jewali Uttar (Old Gaothan)

Taluka :- Lohara

Dist :- Dharashiv

Total Area :- 4.5092 Ha.

PR card No. :- 1-1372 & 14848-1568

Area :- 4.51 Ha.

ABSTRACT

Sr.No.	Particulars of Works	Rate structure for 1 ha.					Rate structure for		
		1.00 Hector					4.51 Hector		
		Man days per Ha.	Wages per Ha.	Material supply per Ha.	Other expense	Total	Total Amount		
1	PPO+ PYO	167.97	86484.39	193263.83	19582.38	299330.60	1349741.54		
2	First Year Operation	192.65	99191.63	61569.64	11253.29	172014.56	775648.06		
3	Second Year Operation	162.36	83595.92	37824.06	8499.40	129919.38	585832.45		
4	Third Year Operation	101.65	45940.20	17616.02	4448.94	68005.16	306648.86		
5	4th Year Operation	40.50	20852.64	25.00	1461.43	22339.07	100731.36		
6	5 th Year Operation	40.50	20852.64	25.00	1461.43	22339.07	100731.36		
7	6th Year Operation	40.50	20852.64	25.00	1461.43	22339.07	100731.36		
8	7th Year Operation	40.50	20852.64	25.00	1461.43	22339.07	100731.36		
9	8 th Year Operation	40.50	20852.64	25.00	1461.43	22339.07	100731.36		
10	9 th Year Operation	40.50	20852.64	25.00	1461.43	22339.07	100731.36		
11	10 th Year Operation	40.50	20852.64	25.00	1461.43	22339.07	100731.36		
12	11 th Year Operation	40.50	20852.64	25.00	1461.43	22339.07	100731.36		
13	12 th Year Operation	40.50	20852.64	25.00	1461.43	22339.07	100731.36		
14	13 th Year Operation	40.50	20852.64	25.00	1461.43	22339.07	100731.36		
15	14 th Year Operation	40.50	20852.64	25.00	1461.43	22339.07	100731.36		
16	15 th Year Operation	40.50	20852.64	25.00	1461.43	22339.07	100731.36		
17	16 th Year Operation	40.50	20852.64	25.00	1461.43	22339.07	100731.36		
18	17 th Year Operation	40.50	20852.64	25.00	1461.43	22339.07	100731.36		
19	18 th Year Operation	40.50	20852.64	25.00	1461.43	22339.07	100731.36		
20	19 th Year Operation	40.50	20852.64	25.00	1461.43	22339.07	100731.36		
21	20 th Year Operation	40.50	20852.64	25.00	1461.43	22339.07	100731.36		
	Grand Total	1313.13	669707.02	310698.55	68628.39	1049033.96	4730303.95		

Cost per plants Rs :- 944.22

Note -

1. Rates of Chain linked Fencing derived from SSR 2017-18 With addition for area difference and transportation lead .
2. Plantation M.D. and M.S. component derived from rate structure as approved by PCCF (HoFF) M.S. vide letter No Desk-17/S/CR-10/2282/2017-18/ Nagpur, Dated 07/03/2018.


(B. A. Pol)
Divisional Forest Officer
Dharashiv

PILLAR ESTIMATES



GOVERNMENT OF MAHARASHTRA

FOREST DEPARTMENT



DHARASHIV DIVISION. TULJAPUR RANGE (HQ.DHARASHIV) .

DETAIL ESTIMATE

GPS READING

N -
E -

Name Of Work :- Construction of Class-I (08.0 No's) Boundary Pillar for Boundary Demarcation on affected Area due to New Broad Gauge Railway Line passing through F. Comp No. 1A & 203B in Gut. No. 44 & 211 at Tuljapur & Sangavi Mardi in Tuljapur Range(HQ. Dharashiv) of Dharashiv Forest Division.

Work Portion Amount Rs. 76900.00

Grand Total Amount Rs. 78800.00

FACE SHEET

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

Estimate framed in the office of the Range Forest Office, Tuljapur Range in Dharashiv Division and the probable expenses that will incurred in the Construction of Class-I Permanent Boundary Mark for Boundary Demarcation

Name Of Work :- Construction of Class-I (08.0 No's) Boundary Pillar for Boundary Demarcation on affected Area due to New Broad Gauge Railway Line passing through F. Comp No. 1A & 203B in Gut. No. 44 & 211 at Tuljapur & Sangavi Mardi in Tuljapur Range(HQ. Dharashiv) of Dharashiv Forest Division.

Work Portion Amount Rs. 76900.00

Grand Total Amount Rs. 78800.00

Administrative approved under No.

Dated

Technically sanctioned under No.

Dated

Estimate prepared by Shri

Estimate Checked by Shri

Call of Authority Divisional Forest Officer, Dharashiv Division

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 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 minarals. i.e.Rubble,Metal,Sand,Murum etc.Hence deduction for the same is made from the agency.

Note:- 1 Follow the instruction given by Principal chief Conservator of forest (PCCF) M.S.Nagpur wide his circular NO.D-27/2/Cr.86/682/2019-20 Dtd.27-01-2020 for Forest Boundary Demarcation and Erection of Permanent Boundary Marks.

General Description as per separate sheet attached

RFO

Range, Forest Officer
Tuljapur HO, Dharashiv

Assistant Conservator Of Forest
(EGS & CAMPA) Dharashiv Hq.Latur

Divisional Forest Officer
Dharashiv Division, Dharashiv.

GENERAL REPORT

Name Of Work :- Construction of Class-I (08.0 No's) Boundary Pillar for Boundary Demarcation on affected Area due to New Broad Gauge Railway Line passing through F. Comp No. 1A & 203B in Gut. No. 44 & 211 at Tuljapur & Sangavi Mardi in Tuljapur Range(HQ. Dharashiv) of Dharashiv Forest Division.

Work Portion Amount Rs. 76900.00

Grand Total Amount Rs. 78800.00

Authority Divisional Forest Officer, Dharashivi Division

Necessity Demarcation of the outer boundary of compartment (forest land boundary) is eccential.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 Painting letters upto 20 cm height complete
- 7 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,Tuljapur

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 lte Rates which are inclusive of Material i.e. Rubble, urum, 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. 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 - 0.50%

b) Work value above :- 25.00 Lakhs- 1.00%

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

i) Laboratory testing charges are not considered in the Rate Abstracts. Wherever required separate item shall be taken in the estimate for material testing charges, on the basis of testing frequency and charges fixed by Vigilance & Quality Control Circle, for the current year and shall form part of Schedule B of tender

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
Tuljapur HO, Dharashiv

Assistant Conservator Of Forest
(EGS & CAMPA) Dharashiv Hq. Latur

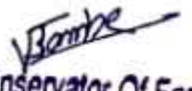
Divisional Forest Officer
Dharashiv Division, Dharashiv.

Name Of Work :- Construction of Class-I (08.0 No's) Boundary Pillar for Boundary Demarcation on affected Area due to New Broad Gauge Railway Line passing through F. Comp No. 1A & 203B in Gul. No. 44 & 211 at Tuljapur & Sangavi Mardi in Tuljapur Range(HQ. Dharashiv) of Dharashiv Forest Division.

RECAPITULATION SHEET

Sr. No.	ITEM OF WORK	AMOUNT (Rs.)
A	Total Work Portion Amount for Boundary Pillar (Class-I)	Rs. 62549.00 ✓
B	Add Royalty Charges for Boundary Pillar (Class-I) Amount	Rs. 734.00 ✓
C	Add Quality Control & Testing Charges for B.Pillar (Class-I)	Rs. 2070.00 ✓
D	Total Amount (A + B + C)	Rs. 65353.00 ✓
E	Add 18.0% For GST On (A)	Rs. 11259.00 ✓
F	Add 0.50% for Labour Insurance On (A)	Rs. 313.00 ✓
G	Gross Total Amount Rs (D+E +F)	Rs. 76925.00 ✓
		Say Rs. 76900.00 ✓
H	Add 3.0% Contingensis On (A)	Rs. 1876.00 ✓
I	Gross Total Amount Rs (G+H)	Rs. 78801.00 ✓
		Say Rs. 78800.00 ✓


Range Forest Officer
RFO Tuljapur HO, Dharashiv


Assistant Conservator Of Forest
(EGS & CAMPA) Dharashiv Hq. Latur


Divisional Forest Officer
Dharashiv Dharashiv.


(S. S. Ganvir)
Section Engineer
Office of the Forest Engineer
Maharashtra State, Nagpur

Technically Sanctioned for Rs. 76,900/-
Rs. Seventy six Thousand Nine Hundred only.
Under this office No. FE/TS/650 dt. 19/09/2025.


(S. V. Vaidya)
Forest Engineer,
Maharashtra State, Nagpur

Name Of Work :- Construction of Class-I (08.0 No's) Boundary Pillar for Boundary Demarcation on affected Area due to New Broad Gauge Railway Line passing through F. Comp No. 1A & 203B in Gut. No. 44 & 211 at Tuljapur & Sangavi Mardi in Tuljapur Range(HQ. Dharashiv) of Dharashiv Forest Division.

ABSTRACT SHEET

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	18.00	6.00	108.00
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	2.90	207.00	601.00
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	6.03	6504.80	39194.00
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	34.08	207.70	7078.00
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	2.12	101.00	214.00
6 Painting letters upto 20 cm height complete brushes, coir brushes, dusting, cleaning, including cost of paint etc. complete.	Nos	256.00	29.00	7424.00
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	26.88	295.00	7930.00

Total Work Portion Amount Rs = (A) 62549.00

Range Forest Officer
Tuljapur HO, Dharashiv

Assistant Conservator Of Forest
(EGS & CAMPA) Dharashiv Hq. Latur

Name Of Work :- Construction of Class-I (08.0 No's) Boundary Pillar for Boundary Demarcation on affected Area due to New Broad Gauge Railway Line passing through F. Comp. No. 1A & 203B in Gut. No. 44 & 211 at Tuljapur & Sangavi Mardi in Tuljapur Range(HQ. Dharashiv) of Dharashiv Forest Division.

MEASUREMENT SHEET

Total Nos of Class-I Boundary Mark = 8.00 Nos Length of Boundary = KM

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 khavaras etc. complete.

As directed by Engineer in charge.

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

For Total No. of Class-I Boundary Pillar

Sqmt 8.00 1.50 1.50 18.00

(A) Net Qty. for Class-I Pillar 18.00

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 boring and strutting etc. complete. (Lift upto 1.5 m.) By Mechanical Means

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

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

For Total No. of Class-I Boundary Pillar

Cum 8.00 1.10 1.10 0.30 2.90

(A) Net Qty. for Class-I Pillar 2.90

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 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 aggregate (Natural Sand / Crushed sand /SI Grade finely washed etc)

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

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

For Total No. of Class-I Boundary Pillar

For Trapezoidal Area

$$(1.30/3) \times \{(0.36+0.81+\sqrt{0.36 \times 0.81})\}$$

Cum 8.00 0.741 5.93

Column of Pillar = $H/3 (A_1+A_2+\sqrt{A_1A_2})$

$A_1=0.60 \times 0.60 = 0.36$ Sqmt, $A_2=0.90 \times 0.90 = 0.81$ Sqmt, $H = 1.30$ mt

For Pedastal at top

Cum 8.00 0.23 0.23 0.23 0.10

(A) Net Qty. for Class-I Pillar 6.03

Name Of Work :- Construction of Class-I (08.0 No's) Boundary Pillar for Boundary Demarcation on affected Area due to New Broad Gauge Railway Line passing through F. Comp, No. 1A & 203B in Gut. No. 44 & 211 at Tuljapur & Sangavi Mardi in Tuljapur Range(HQ. Dharashiv) of Dharashiv Forest Division.

MEASUREMENT SHEET

Total Nos of Class-I Boundary Mark = 8.00 Nos Length of Boundary = KM
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 Neeru finish to concrete surface in all positions, including scaffolding and curing etc. complete.

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

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

or Total No. of Class-I Boundary Pillar

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

or Top area $0.60 \times 0.60 = 0.36$

Sqmt 8.00 4.00 0.75 1.30 31.20

Sqmt 8.00 1.00 0.60 0.60 2.88

(A) Net Qty. for Class-I Pillar 34.08

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.R. Item No.35.12/Page No.224

or Total No. of Class-I Boundary Pillar

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

or Sides

or Top

Sqmt 8.00 1.00 0.92 0.23 1.69

Sqmt 8.00 1.00 0.23 0.23 0.42

(A) Net Qty. for Class-I Pillar 2.12

ITEM NO.6

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

Spec.No.: MORTH 801

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

or Total No. of Class-I Boundary Pillar

Nos 8.00 4.00 8.00 256.00

(A) Net Qty. for Class-I Pillar 256.00

ITEM NO.7

Providing and applying two coats of exterior weather shield paint of approved manufacture 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

As directed by Engineer incharge.

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

or Total No. of Class-I Boundary Pillar

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

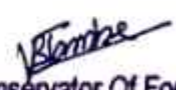
or Top area $0.60 \times 0.60 = 0.36$

Sqmt 8.00 4.00 0.75 1.00 24.00

Sqmt 8.00 1.00 0.60 0.60 2.88

(A) Net Qty. for Class-I Pillar 26.88

RFO 
Range Forest Officer
Tuljapur HO, Dharashiv


Assistant Conservator Of Forest
(EGS & CAMPA) Dharashiv Hq. Latur

Name Of Work :- Construction of Class-I (08.0 No's) Boundary Pillar for Boundary Demarcation on affected Area due to New Broad Gauge Railway Line passing through F. Comp No. 1A & 203B in Gut. No. 44 & 211 at Tuljapur & Sangavi Mardi in Tuljapur Range(HQ. Dharashiv) of Dharashiv Forest Division.

Lead Statement

Sr.No	Material	Name of Quarry	Lead in KM	Rate	Unit
1	Metal 6mm to 40mm	Tuljapur	22 KM	519.98	Cu.M
2	Stone /Metal 80mm	Tuljapur	22 KM	498.32	Cu.M
3	Sand	Bori	20 KM	488.73	Cu.M
4	Murum	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	Tuljapur	22 KM	374.17	M.T.
7	Cement	Tuljapur	22 KM	374.17	M.T.
				18.71	Per Bag
8	Flooring Tiles	Tuljapur	22 KM	37.42	Sq.M



RFO 
Range Forest Officer
Tuljapur HO, Dharashiv

Name Of Work :- Construction of Class-I (08.0 No's) Boundary Pillar for Boundary Demarcation on affected Area due to New Broad Gauge Railway Line passing through F. Comp No. 1A & 2038 in Gut. No. 44 & 211 at Tuljapur & Sangavi Mardi in Tuljapur Range(HQ. Dharashiv) of Dharashiv Forest Division.

			Description of the item	Additional Specification	Unit	Completed Rate After Deduction of SCADA Rs 126/Cum in Rs.	Deduct 1% of Labour Amitties & other overhead charge & C.Profits, 10% = 21.00%	Sub Total	Add 00% for Noxalite affected Area =00%	ADD CARTING OF MATERIAL AS PER LATEST RATE										Add 1% of Labour Amitties & other overhead charge & C.Profits, 10% = 21.00%	Gross Total Amount	Final Rate Adopted																					
Sr. No.	Item No.	Ref. No.								Build.					Rd																												
										Metal	22 KM	519.98	Bricks	05 KM	0.53	80mm	22 KM	498.32	Sand				20 KM	488.73	Murum	05 KM	252.22	Cement	22 KM	18.71	Steel	22 KM	374.17	Tiles	22 KM	37.42	Qty	Amt	Qty	Amt.	Qty	Amt.	Total Transportation Charges
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	0.00											0.00	1.26	6.00	6.00																				
2	21.02	BDA 1	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, (Lift upto 1.5 m.)	Bd.A.1 Page No. 259	Cum	207.00	43.47	163.53	0.00											0.00	43.47	207.00	207.00																				
3	24.01	BDE 1	Providing and laying Cast in situ cement concrete in M-10 for foundation and bedding	Bd.E. 1 Page No. 287	Cum	5704.00	1197.84	4506.16	0.00											0.470	1197.84	6504.80	6504.80																				
4	32.01	BDL 1	Providing internal cement plaster 6 mm thick in a single coat in cement mortar 1:4	Bd.L.1 Page No. 367	Sqmt	203.00	42.63	160.37	0.00											0.0076	42.63	203.72	207.70																				
5	35.12	BDO 7A	Providing and applying two coats of flat oil paint of approved colour and shade	Bd.O.7 Page No. 406	Sqmt	101.00	21.21	79.79	0.00												21.21	101.00	101.00																				
6	6.05	MORT H 801	Painting letters upto 20 cm height complete	MORTH 801	Nos	29.00	6.09	22.91	0.00												6.09	29.00	29.00																				
7	35.26	BDO	Providing and applying two coats of exterior weather shield paint	As directed by Engineer in charge.	Sqmt	295.00	61.95	233.05	0.00												61.95	295.00	295.00																				

RFO
Ranga Forest Officer
Tuljapur HQ, Dharashiv

RA



Royalty statement

Name Of Work :- Construction of Class-I (08.0 No's) Boundary Pillar for Boundary Demarcation on affected Area due to New Broad Gauge Railway Line passing through F. Comp No. 1A & 203B in Gut. No. 44 & 211 at Tuljapur & Sangavi Mardi in Tuljapur Range(HQ. Dharashiv) of Dharashiv Forest Division.

Sr.No	Description of the Item	Unit	Total Qty.of Item	80mm. Metal		Murum		Sand		Rubble	
				Coefi.	Qty	Coefi.	Qty	Coefi.	Qty	Coefi.	Qty
1	Providing and laying Cast in situ/Ready Mix cement concrete in M-10	Cum	6.03	0.00	0.00	0.00	0.00	0.470	2.83	0.00	0.00
2	Providing internal cement plaster 6mm. thick in a single coat in cement mortar 1:4	Sqmt	34.08	0.00	0.00	0.00	0.00	0.0076	0.26	0.00	0.00
			Total Qty.								
			Royalty Charges per Cum		216.18		216.18		237.37		216.18
			Deduct Royalty Amount Rs.		0.00		0.00		733.69		0.00
			Total Amount Rs.						734.00		

Name Of Work :- Construction of Class-I (08.0 No's) Boundary Pillar for Boundary Demarcation on affected Area due to New Broad Gauge Railway Line passing through F. Comp No. 1A & 203B in Gut. No. 44 & 211 at Tuljapur & Sangavi Mardi in Tuljapur Range(HQ. Dharashiv) of Dharashiv Forest Division.

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 Class - I & Class - II Boundary Mark				
1) Basic Test of Cement				
Standard Consistency Finess, Specific Gravity, Setting Time (Initial & Final), Compressive Strength, Soundness.	0.00	3770	1.00	0.00
2) Basic Test of Aggregate				
Water Absorption, Specific Gravity, Impact Value/Crushing Value.	0.00	2600	1.00	0.00
3) Fine Aggregate				
Fineness Modulus (Sieve Analysis), Silt & Clay Content	0.00	1380	1.00	0.00
4) For Concrete Work				
Compressive strength of C.C. Cube (Set of 3 Cubes)	3.00	690	1.00	2070.00
Total Amount Rs.				2070.00

RFO


Range Officer
Tuljapur HO, Dharashiv

सिमेट काँक्रीट बुरुज बाबत माहिती सन २०१९-२०

वनवृत्त :- दु. श. प्रा. ज. नि. ग. ८

वनविभाग :- दानाशिव

वनपरीक्षेत्र :- तुळजापूर म. धारशिव

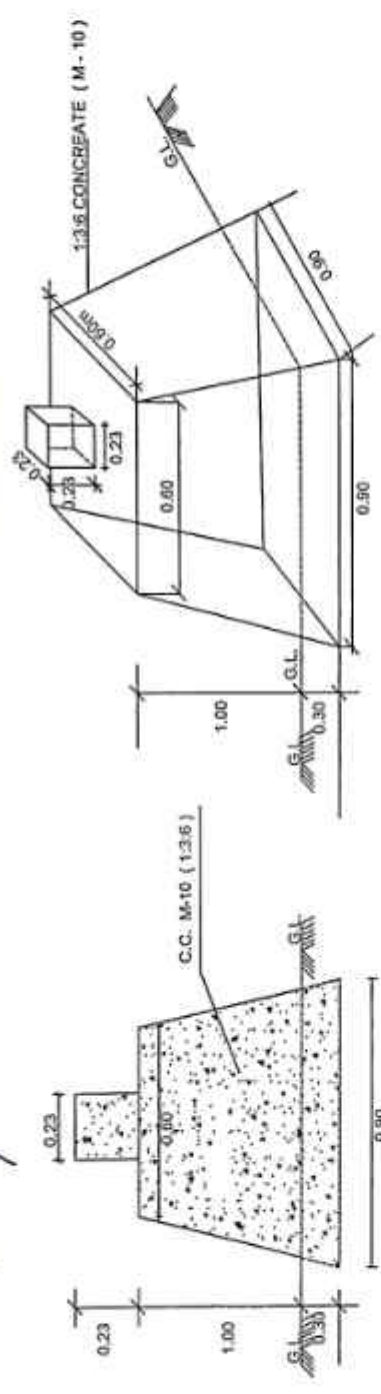
अ. क्र.	वर्ष	वनक्षेत्र	गावाचे नाव	वनाचे प्रकार	क. नंबर/ सर्वे क्र.	एकूण वनहद्दीची लांबी व त्यावर उभारवायाचे एकूण सिमेंट काँक्रीट बुरुज लांबी			एकूण	प्रत्यक्षात लावयावयाचे सिमेंट काँक्रीट बुरुज			एकूण	शिल्लक हद्दीवर लावयावयाचे सिमेंट काँक्रीट बुरुज			यापुढी यांना तांत्रिक मंजूरी मिळालेली आहे काय ?		
						लांबी	दर्जा-I	दर्जा-II		लांबी	दर्जा-I	दर्जा-II		लांबी	दर्जा-I	दर्जा-II			
१	२	३	४	५	६	७	८	९	१०	११	१२	१३	१४	१५	१६	१७	१८	१९	२०

प्रमाणपत्र

१. नकाशातील सिमांकित हद्दीवरील प्रस्तावित सिमेट काँक्रीट बुरुज यापूर्वी कधीही प्रस्तावित करण्यात आलेले नाहीत.
२. स्थळदर्शक नकाशातील प्रस्तावित सिमेट काँक्रीट बुरुजांच्या अंदाजपत्रकांना यापूर्वी तांत्रिक मंजूरी घेतलेली नाही.
३. सिमांकित हद्दीतील लांबी ०:६२.५ कि.मी एवढी आहे.
४. बुरुज संख्या वर्ग-१ ०.८ नग व बुरुज संख्या वर्ग-२ ०.०
५. सदरचे क्षेत्र हे आदिवासी क्षेत्रात मोळते / मोळत नाही.

वन परिक्षेत्र अधिकारी
तुळजापूर म. धारशिव

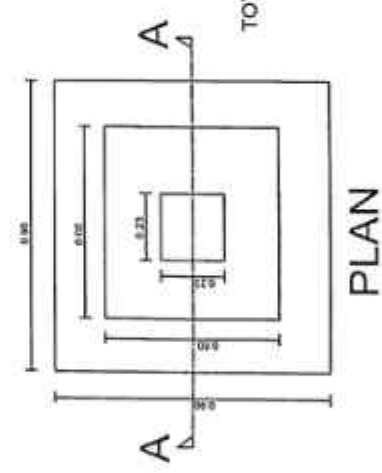
NAME OF WORK - CONSTRUCTION OF BOUNDARY PILLAR (CLASS - I) IN COMP. NO. 1 A f 203B
 IN Tuljapur & Talwade BEAT IN Tuljapur Hq. RANGE OF Dhavishiv DIVISION.



ISOMETRIC ELEVATION

SECTIONAL ELEVATION
 " A - A "

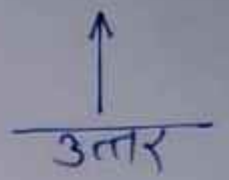
A1 (TOP AREA)	= 0.60 X 0.60 = 0.36 SQM
A2 (BOTTOM AREA)	= 0.90 X 0.90 = 0.81 SQM
H (TOTAL HEIGHT)	= 1.30M
H1 (BELOW GL)	= 0.30M
H2 (ABOVE GL)	= 1.00M
VOLUME	= $H/3 \times (A1 + A2 + \sqrt{A1A2})$ = $1.30/3 \times [0.36 + 0.81 + \sqrt{0.36 \times 0.81}]$ = 0.741 CUM
VOLUME FOR PEDESTAL	= 0.23 X 0.23 X 0.23 ml = 0.012 CUM
TOTAL VOLUME FOR CONCRETE PILLAR	= 0.741 + 0.012 = 0.753 CUM
WT. OF PILLAR	= 1687.00 Kg.



PLAN

(S. S. Ganvir)
 Section Engineer
 Office of the Forest Engineer,
 Maharashtra State, Nagpur

(S. V. Vaidya)
 Forest Engineer,
 Maharashtra State, Nagpur



मौजे तुळजापूर खु. ता.तुळजापूर जि.धाराशिव गट क्रं.44 कक्ष क्रमांक 1A
स्थळदर्शक नकाशा



सुची :-

१) रेल्वे ट्रॅक



२) वनक्षेत्र

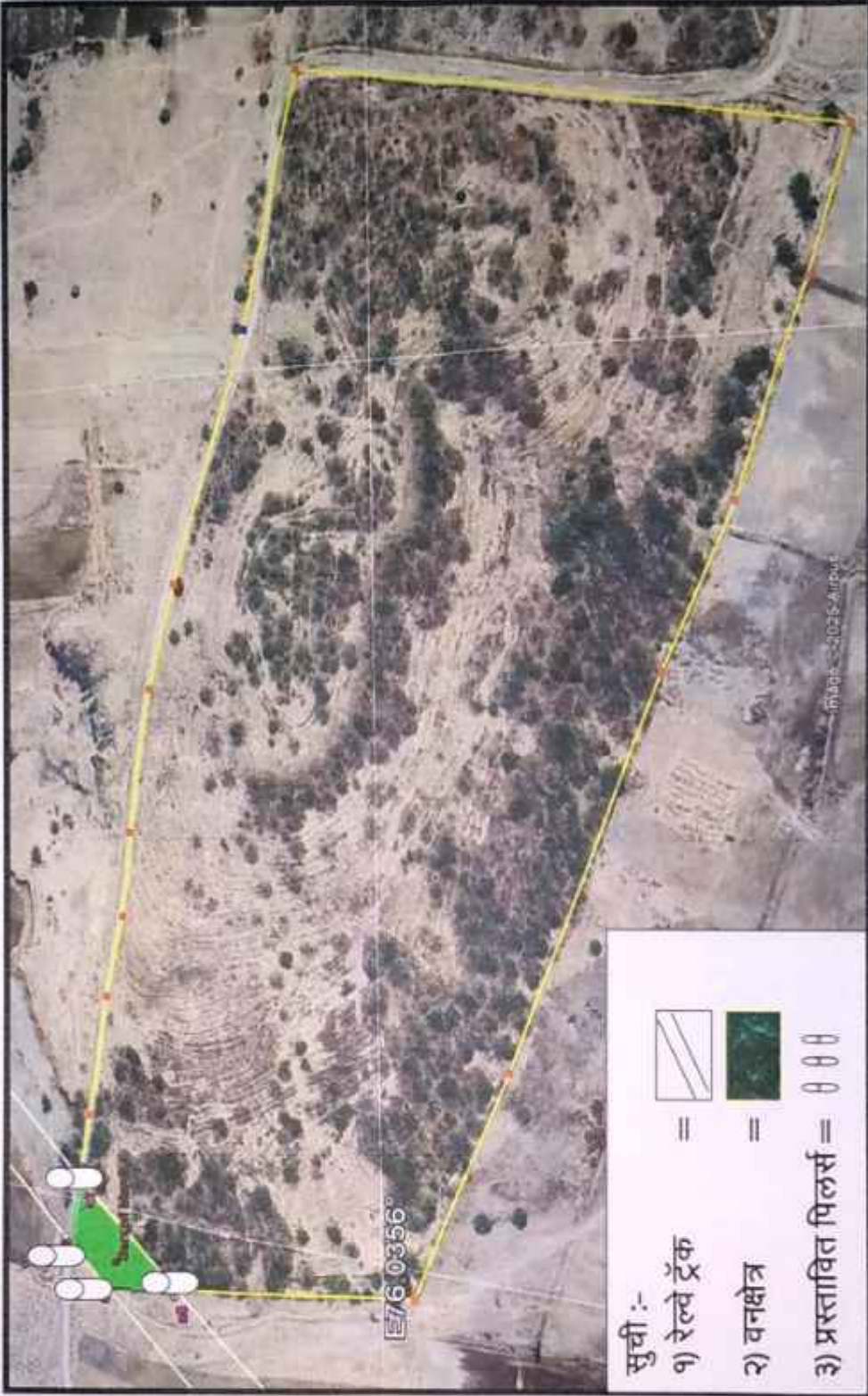


३) प्रस्तावित पिलर्स = ० ० ०


वन परिक्षेत्र अधिकारी
तुळजापूर मु.धाराशिव

मौजे सांगवी मार्ली ता.तुळजापूर जि.धाराशिव गट क्रं.211 कक्ष क्रमांक 203B
स्थळदर्शक नकाशा

उत्तर
↑



वन परिक्षेत्र अधिकारी
तुळजापूर मु.धाराशिव

ESTIMATE

© Enamdroid System

SOLAPUR FOREST DIVISION, SOLAPUR

NAME OF WORK :- CONSTRUCTION OF
CONCRETE BOUNDARY PILLER AT KASBE
SOLAPUR SOLAPUR AT ROUND FOREST GAT
NO.496 IN SOLAPUR RANGE OF SOLAPUR
FOREST DIVISION.

Estimated Cost Rs.

674037.00

Range Forest Officer
SOLAPUR

iKNOW

Function for Celebrations

Lead for material considered is as per R.F.O.SOLAPUR

Rates have been

0% due to

Normal

Area

Note :- The Government of Maharashtra, Revenue and Forest Departments Gazette No.146 Dt. 04 June 2021 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, PWD may modify and circulate Royalty charges in case of any modifications are made by Govt. of Maharashtra. Royalty charges against estimated quantity shall be included in Recapitulation sheet.

a) For sand = Royalty + surcharge (2%) + Distt. Mineral Foundation Cess (10%)

= 211.95+4.23+21.19 = 237.37 Per Cum

b) For All Other Minerals = Royalty + surcharge (2%)

= 211.95+4.23 = 216.18 per cum

As per revised circular issued by Dy. Directorate of Insurance Maharashtra State vide letter No. क्र.प्रविनी - 2314/ देयक कपात रक्कम/ संकीर्ण/ अभि-3, 31/03/15 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 -0.50%

b) Work value above 25.00 Lakhs -1.00 %.

CERTIFICATE :- The estimate is 100 % arithmetically checked by me and found to be correct.


Range Forest Officer
SOLAPUR

NAME OF WORK :- CONSTRUCTION OF CONCRETE BOUNDARY PILLER AT
KASBE SOLAPUR SOLAPUR AT ROUND FOREST GAT NO.496 IN SOLAPUR
RANGE OF SOLAPUR FOREST DIVISION.

Recapitulation Sheet

Work Portion	Rs. 542,844.00
Quality Control Testing Charges	Rs.3,625.00
TOTAL	Rs.546,469.00
Add 18% for G.S.T.	Rs.97,712.00
TOTAL	Rs.644,181.00
Add 1.00% for T.S.	Rs.5,428.44
Add 0.50% for Labour Insurance	Rs.2,714.00
TOTAL	Rs.652,323.44
Add 4% Contingencies	Rs.21,714.00
TOTAL	Rs.674,037.44
Say	Rs.674,037.00 6,74,000.00

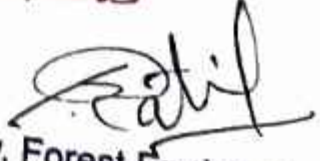

Range Forest Officer
SOLAPUR

Technically sanctioned for Rs. 6,74,000/-

(In word Rs. Six lakh seventy four
thousand only)

under Deputy Forest Engineer, Pune Circle, Pune's

Office No. ENG /2.3.37./of.20.2.5.26 dated 16/10/2025


Dy. Forest Engineer
Pune Circle, Pune

**NAME OF WORK :- CONSTRUCTION OF CONCRETE BOUNDARY PILLER AT
KASBE SOLAPUR SOLAPUR AT ROUND FOREST GAT NO.496 IN SOLAPUR
RANGE OF SOLAPUR FOREST DIVISION.
ABSTRACT**

Item No.	Quantity	Item of Work	Rate	Unit	Amount
1	121.50	Removing grass, gazer grass and disposing off out of building premises including making clean the ground by shovel and phavaras etc. complete.	Rs.6.00	Square Metre	729.00
		S.S.R.2022-23 Item No. 21.34			
		R.A.No.1			
2	19.60	Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres 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, dewatering etc. complete. (Lift upto 1.50 m) by Manual Means	Rs.365.00	Cubic Metre	7,154.00
		S.S.R.2022-23 Item No. 21.05			
		R.A.No.2			
3	40.67	Providing cast in situ / ready mix M10 grade cement concrete for head walls of CD work / retaining walls etc. including necessary form work, compaction, finishing and curing etc. complete. (with reversible drum type mixer/ concrete batch mix plant (pan mixer) without SCADA with fine aggregates of required specifications (Natural sand / VSI sand finely washed etc.) cement 4.05 bags/cumt)	Rs.9356.70	Cubic Metre	380,537.00
		S.S.R.2022-23 Item No. 11.28			
		R.A.No.3			
4	241.47	Providing internal cement plaster 6 mm. thick in a single coat in cement mortar 1:4 without neeru finish to concrete surface in all positions including scaffolding and curing etc. complete.	Rs.207.65	Square Metre	50,141.00
		S.S.R.2022-23 Item No. 32.01			
		R.A.No.4			
5	14.29	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.	Rs.101.00	Square Metre	1,443.00
		S.S.R.2022-23 Item No. 35.12			
		R.A.No.5			
6	1728	Painting letters upto 20 cm height complete, brushes, coir brushers dusting cleaning including cost of paint etc.	Rs.29.00	Number	50,112.00
		S.S.R.2022-23 Item No. 6.05			
		R.A.No.6			
7	178.74	Providing and applying two coats of exterior white weather shield paint of approved manufacture and of approved colour to the plastered surfaces including cleaning, prepairing the	Rs.295.00	Square Metre	52,728.00
		S.S.R.2022-23 Item No. 35.26			
		R.A.No.7			

Total Rs 542,844.00

Say Rs. 542,844.00


Range Forest Officer
SOLAPUR


Dy. Forest Engineer 0.00
Pune Circle, Pune 0

Item No. 4 :- Providing internal cement plaster 6 mm thick in a single coat in cement mortar 1:4 without neeru finish to concrete surface in all positions including scaffolding and curing etc. complete. (32.01)

Class I Pillers						
$4 \times (0.90 + 0.60) / 2 \times 1.30 = 3.90$	54			4.26	230.04	Sqm
For Top = $0.60 \times 0.60 = 0.36$						
				4.26		

Class II Pillers	0			2.41	0.00	Sqm
$4 \times (0.60 + 0.45) / 2 \times 1.05 = 2.21$						
For Top = $0.45 \times 0.45 = 0.20$						
				2.41		

For Pedastal at top

Class I Pillers						
Sides $4 \times 0.23 = 0.92$	54	0.92	0.23		11.43	Sqm
Class II Pillers						
Sides $4 \times 0.23 = 0.92$	0	0.92	0.23		0.00	Sqm
				Total	241.47	Sqm

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. (excluding primer coat) (Spec. As directed by Engineer-incharge) (35.12)

For Pedastal at top

Class I Pillers						
Sides $4 \times 0.23 = 0.92$	54	0.92	0.23		11.43	Sqm
Top	54	0.23	0.23	..	2.86	Sqm
Class II Pillers						
Sides $4 \times 0.23 = 0.92$	0	0.92	0.23		0.00	Sqm
Top	0	0.23	0.23	..	0.00	Sqm
				Total	14.29	Sqm

Item No. 6 :- Painting letters upto 20 cm height complete brushes, coir brushers, dusting, cleaning, including cost of paint etc. complete. (6.05)

Class I Pillers	32	54	..	..	..	1728	No
For Pillers at top - Four side							
$8 \times 4 = 32$ nos							
Class II Pillers	32	0	..	..	..	0	No
For Pillers at top - Four side							
$8 \times 4 = 32$ nos							
				Total		1728	No

Item No. 7 :- Providing and applying two coats of exterior weather shield paint of approved manufacture 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 (35.26)

Class I Pillers						
$4 \times (0.90 + 0.60) / 2 \times 1.00 = 3.00$	54			3.31	178.74	Sqm
For Top = $(0.60 \times 0.60) - (0.23 \times 0.23) = 0.31$						

Class II Pillers	0			1.73	0.00	Sqm
$4 \times (0.60 + 0.45) / 2 \times 0.75 = 1.58$						
For Top = $(0.45 \times 0.45) - (0.23 \times 0.23) = 0.15$						

Total 178.74 Sqm

Range Forest Officer
SOLAPUR

Item No. 4 :- Providing internal cement plaster 6 mm thick in a single coat in cement mortar 1:4 without neeru finish to concrete surface in all positions including scaffolding and curing etc. complete. (32.01)

Class I Pillers							
$4 \times (0.90 + 0.60) / 2 \times 1.30 = 3.90$	54			4.26	230.04	Sqm	
For Top = $0.60 \times 0.60 = 0.36$							
				4.26			

Class II Pillers	0			2.41	0.00	Sqm	
$4 \times (0.60 + 0.45) / 2 \times 1.05 = 2.21$							
For Top = $0.45 \times 0.45 = 0.20$							
				2.41			

For Pedastal at top

Class I Pillers							
Sides $4 \times 0.23 = 0.92$	54	0.92	0.23		11.43	Sqm	
Class II Pillers							
Sides $4 \times 0.23 = 0.92$	0	0.92	0.23		0.00	Sqm	
				Total	241.47	Sqm	

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. (excluding primer coat) (Spec. As directed by Engineer-incharge) (35.12)

For Pedastal at top

Class I Pillers							
Sides $4 \times 0.23 = 0.92$	54	0.92	0.23		11.43	Sqm	
Top	54	0.23	0.23	..	2.86	Sqm	
Class II Pillers							
Sides $4 \times 0.23 = 0.92$	0	0.92	0.23		0.00	Sqm	
Top	0	0.23	0.23	..	0.00	Sqm	
				Total	14.29	Sqm	

Item No. 6 :- Painting letters upto 20 cm height complete brushes,coir brushers,dusting, cleaning, including cost of paint etc. complete. (6.05)

Class I Pillers	32	54	..	..	..	1728	No
For Pillers at top - Four side							
$8 \times 4 = 32$ nos							
Class II Pillers	32	0	..	..	..	0	No
For Pillers at top - Four side							
$8 \times 4 = 32$ nos							
				Total		1728	No

Item No. 7 :- Providing and applying two coats of exterior weather shield paint of approved manufacture 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 (35.26)

Class I Pillers							
$4 \times (0.90 + 0.60) / 2 \times 1.00 = 3.00$	54			3.31	178.74	Sqm	
For Top = $(0.60 \times 0.60) - (0.23 \times 0.23)$							
$= 0.31$							

3.31

Class II Pillers	0			1.73	0.00	Sqm	
$4 \times (0.60 + 0.45) / 2 \times 0.75 = 1.58$							
For Top = $(0.45 \times 0.45) - (0.23 \times 0.23)$							
$= 0.15$							

1.73

Total 178.74 Sqm


Range Forest Officer
SOLAPUR

NAME OF WORK :- CONSTRUCTION OF CONCRETE BOUNDARY PILLER AT KASBE SOLAPUR SOLAPUR AT ROUND FOREST GAT NO.496 IN SOLAPUR RANGE OF SOLAPUR FOREST DIVISION.

Quality Control Testing Charges

Item No.	Item in brief	Estimated		Material	Standard Consumption	Utilised Quantity of Ingredients	V.Q.C. D.S.R. Item	Tests	Norms	Required Tests	Rate of Each Test	Amount of Q.C. Testing Charges
		Quantity	Unit									
1	2	3	4	5	6	7	8	9	10	11	12	13
3	M-10 for Head Wall With Natural Sand.	40.67	Cubic Metre	Cement	0.22000	8.95	19	CONCRETE Compressive Strength OF Cement Concrete Cube (Set of 3 cubes) test.	Upto 5 Cum. - 1 Set 6-15 Cum. - 2 Sets 16-30 Cum. - 3 Sets 31-50 Cum. - 4 Sets Above 51 Cum. 1 additional set for every additional 50 Cum.	4	725.00	2900.00
				Cr.Sand	0.4700	19.11	3	BASIC TEST OF AGGREGATE. Sieve Analysis test.	For Concrete- 1 Test per 200 Cum. For W.B.M.- 1 Test per 250 cum For M.P.M./BUSG - 1 Test per 100 cum For	1	725.00	725.00

Total Quality Control Testing Charges Rs.3,625.00


 Range Forest Officer
 SOLAPUR

NAME OF WORK :- CONSTRUCTION OF CONCRETE BOUNDARY
PILLER AT KASBE SOLAPUR SOLAPUR AT ROUND FOREST GAT
NO.496 IN SOLAPUR RANGE OF SOLAPUR FOREST DIVISION.

Lead Statement

Sr. No.	Material	Source	Total Lead in Km.	Total Lead in Km.
1	Cr.Metal		20.00	20.00
2	Metal		20.00	20.00
3	Cement		20.00	20.00
4	Cr.Sand		20.00	20.00
5	Steel		20.00	20.00

Sr. No.	Name of Material	Total Lead in Km.	Total Lead Charges (Rs.)	Remarks
1	Crushed metal	20.00	488.73	/Cum
2	Metal hand broken (40 mm,60mm)	20.00	488.73	/Cum
3	Cement	20.00	348.11	/M.T.
4	Cr.Sand	20.00	488.73	/Cum
5	Steel	20.00	348.11	/M.T.


Range Forest Officer
SOLAPUR

NAME OF WORK :- CONSTRUCTION OF CONCRETE BOUNDARY PILLER AT KASBE SOLAPUR
SOLAPUR AT ROUND FOREST GAT NO.496 IN SOLAPUR RANGE OF SOLAPUR FOREST
DIVISION.

RATE ANALYSIS

R.A.No.1 Removing grass, gazer grass and disposing off out of building premises including making

Item No. 21.34

Basic Rate

Rs.6.00

Say

6.00

Per Sqm.

R.A.No.2 Excavation for foundation in hard murum including removing the excavated material

Item No. 21.05

Basic Rate

Rs.365.00

Say

365.00

Per Cum.

R.A.No.3 Providing cast in situ / ready mix M10 grade cement concrete for head walls of CD work /

(8717-126)

Item No.

11.28

Basic Rate

Rs.8591.00

Scada Duction

Material	Otv./Unit	Distance Km.	Lead Charge	
Cement	0.2200	20.00	348.11	Rs.76.58
Cr.Metal	0.9400	20.00	488.73	Rs.459.41
Cr.Sand	0.4700	20.00	488.73	Rs.229.70
Total				9356.69

Say

9,356.70

Per Cum.

R.A.No.4 Providing internal cement plaster 6mm. thick in a single coat in cement mortar 1:4 without

Item No.

32.01

Basic Rate

Rs.203.00

Cement	0.00270	20.00	348.11	Rs.0.94
Cr.Sand	0.0076	20.00	488.73	Rs.3.71
Total				207.65

Say

207.65

Per Sqm.

R.A.No.5 Providing and applying two coats of flat oil paint of approved colour and shade to internal /

Item No. 35.12

Basic Rate

Rs.101.00

Say

101.00

Per Sqm.

R.A.No.6 Painting letters upto 20 cm height complete, brushes, coir brushers dusting cleaning

Item No. 6.05

Basic Rate

Rs.29.00

Say

29.00

Per No.

R.A.No.7 Providing and applying two coats of exterior white weather shield paint of approved

Item No. 35.26

Basic Rate

Rs.295.00

Say

295.00

Per Sqm.

Range Forest Officer
SOLAPUR

Dy. Forest Engineer
Pune Circle, Pune

सलोह कॉक्रीट पिलर्स बाबतची अदयावत माहिती

वनवृत्त - पुणे

वनविभाग -

Solapur Forest Division, Solapur

वनक्षेत्र - SOLAPUR

अ.क्र.	वनक्षेत्राचे नांव	गावाचे नांव	फॉरेस्ट फौ.क.नं./ग.क. / सर्व्हे नं.	एकूण वनहद्दीवर उभारावयाचे एकूण पिलर			एकूण वनहद्दीपैकी प्रत्यक्षात यापूर्वी उभारलेली पिलर्स			शिल्लक वनहद्दीवर उभारावयाचे पिलर्स			यापूर्वी तांत्रिक मंजूरा प्रदान केलेल्या वनहद्दीवरील पिलर्स व तांत्रिक मंजूरी कोणी दिली			१७
				लांबी	पिलर्सची संख्या		लांबी	पिलर्सची संख्या		लांबी	पिलर्सची संख्या		लांबी	पिलर्सची संख्या		
				कि.मी.	वर्ग-१	वर्ग-२		वर्ग-१	वर्ग-२		वर्ग-१	वर्ग-२		वर्ग-१	वर्ग-२	
१	२	३	४	५	६	७	८	९	१०	११	१२	१३	१४	१५	१६	१७
१	SOLAPUR	MARDI	१६५-२९६-२९७	६२८.३००	६४	०	०.०००	०	०	०.०००	०	०	०.०००	०	०	१. सदर नकाशातील सिमांकित हद्दीवर प्रस्तावित पिलर्स यापूर्वी कधीही प्रस्तावित करण्यात आलेले नाहीत. २. सदर स्थळदशक नकाशातील प्रस्तावित पिलर्सच्या अंदाजपत्रकांना यापूर्वी मंजूरी घेतलेली नाही. ३. प्रस्तावित हद्दीवर पिलर्सचे काम अदयापर्यंत करण्यात आलेले नाही.

१. सदर नकाशातील
सिमांकित हद्दीवर प्रस्तावित
पिलर्स यापूर्वी कधीही
प्रस्तावित करण्यात आलेले
नाहीत.
२. सदर स्थळदशक
नकाशातील प्रस्तावित
पिलर्सच्या अंदाजपत्रकांना
यापूर्वी मंजूरी घेतलेली नाही.
३. प्रस्तावित
हद्दीवर पिलर्सचे काम
अदयापर्यंत करण्यात आलेले
नाही.


वनपरिक्षेत्र अधिकारी,
SOLAPUR

ESTIMATE

© Enamdroid System

SOLAPUR FOREST DIVISION, SOLAPUR

NAME OF WORK :- CONSTRUCTION OF
CONCRETE BOUNDARY PILLER AT MARDI
SOLAPUR AT ROUND FOREST GAT
NO.165/216/217 IN SOLAPUR RANGE OF
SOLAPUR FOREST DIVISION.

Estimated Cost Rs.

798170.00

Range Forest Officer
SOLAPUR

iKNOW

Function for Celebrations

ESTIMATE

2024-25

Solapur Forest Division, Solapur

Division

Sanction Estimate No.

Fund Head.

Major Head.

Minor Head.

Service Head.

Departmental Head.

Estimate framed in the Office of The Range Forest Officer, PANDHARPUR of the probable expenses that will be incurred in work of.

NAME OF WORK :- CONSTRUCTION OF CONCRETE BOUNDARY PILLER AT MARDI SOLAPUR AT ROUND FOREST GAT NO.165/216/217 IN SOLAPUR RANGE OF SOLAPUR FOREST DIVISION.

Estimate Amount Rs

798170.00

Administratively Approved under

..... No. Dt.

Technically Sanctioned under

..... No. Dt.

Estimate Prepared by Range Forest Officer, SOLAPUR

Estimate checked by Deputy Forest Engineer, Pune Circle Pune

Call or Authority:-Deputy Conservator Of Forest Solapur Forest Division, Solapur

GENERAL DESCRIPTION

NAME OF WORK :- CONSTRUCTION OF CONCRETE BOUNDARY PILLER AT MARDI SOLAPUR AT ROUND FOREST GAT NO.165/216/217 IN SOLAPUR RANGE OF SOLAPUR FOREST DIVISION.

This work is proposed under account head -

It is proposed by Dy. Conservator of Forests, Solapur Forest Division, Solapur to construct R. C. C. boundary Pillars around boundary of Forest Land as above. The drawing adopted is prepared by Forest Engineer, M.S. Nagpur and as per instructions by Additional Chief Conservator of Forests, (Conservation) M. S. Nagpur For PCCF (HOFF) M.S.Nagpur, vide his No. Desk-27/2/Cr.86/682/2019-20 dt.27/01/2020. As per data furnished by concerned R. F.O. Class.I & Class II pillars are proposed. Hence estimate for the same is prepared.

As per above Circular, these pillars are to be casted in P. C. C. M-10 (C.C.1:3:6) trapizoidal Size of proposed class I Concrete Boundary Pillar is 90 cm x 90 cm at bottom, 60 cm x 60 cm at top and 1.30 m in height, while class II Concrete Boundary Pillar is 60 cm x 60 cm at bottom, 45 cm x 45 cm at top and 1.05 m in height, as per drawing. And also casted in P. C. C. M-10 (C.C.1:3:6) as a Pedastal at top size 23 cm x 23 cm x 23 cm at Center on both Boundary Piller, which is shown in drawing attached to estimate. Provision of 6 mm thick cement plaster in Cm1:4 to out side of Both Boundary Pillar are included. It also includes engrooving compartment No. on both pillar at top end in oil painting. Also Providing exterior weather shield paint of approved colour to outside (Four Sides) only is made in this estimate.

The charges for Survey and Demarcation are to be paid to concerned Taluka Inspector of land Record office by concerned office, provision of Item of Survey and Demarcation of Boundary Line of Forest area has not been made in the estimate.

GENERAL SPECIFICATIONS :- The entire work shall be carried out as per standard Specifications given in the red book of P.W. Dept. for the respective items.

RATES :- The rates adopted are schedule of rates of P.W.Dept. for State e-DSR for the year 2022-2023 w.e.f.25 / 07 /2022

Lead for material considered is as per R.F.O.SOLAPUR

Rates have been

0% due to

Normal

Area

Note :- The Government of Maharashtra, Revenue and Forest Departments Gazette No.146 Dt. 04 June 2021 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, PWD may modify and circulate Royalty charges in case of any modifications are made by Govt. of Maharashtra. Royalty charges against estimated quantity shall be included in Recapitulation sheet.

a) For sand = Royalty + surcharge (2%) + Distt. Mineral Foundation Cess (10%)
= 211.95+4.23+21.19 = 237.37 Per Cum

b) For All Other Minerals = Royalty + surcharge (2%)
= 211.95+4.23 = 216.18 per cum

As per revised circular issued by Dy. Directorate of Insurance Maharashtra State vide letter No.

क्र.प्रविनी - 2314/ देयक कपात रक्कम/ संकीर्ण/ अभि-3, 31/03/15 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 -0.50%
b) Work value above 25.00 Lakhs -1.00 %.

CERTIFICATE :- The estimate is 100 % arithmetically checked by me and found to be correct.


Range Forest Officer
SOLAPUR

NAME OF WORK :- CONSTRUCTION OF CONCRETE BOUNDARY PILLER AT
MARDI SOLAPUR AT ROUND FOREST GAT NO.165/216/217 IN SOLAPUR
RANGE OF SOLAPUR FOREST DIVISION.

Recapitulation Sheet

Work Portion	Rs. 643,356.00
Quality Control Testing Charges	Rs.3,625.00
TOTAL	Rs.646,981.00
Add 18% for G.S.T.	Rs.115,804.00
TOTAL	Rs.762,785.00
Add 1.00% for T.S.	Rs.6,433.56
Add 0.50% for Labour Insurance	Rs.3,217.00
TOTAL	Rs.772,435.56
Add 4% Contingencies	Rs.25,734.00
TOTAL	Rs.798,169.56
Say	Rs.798,170.00 7,98,200.00


Range Forest Officer
SOLAPUR

Technically sanctioned for Rs. 7,98,200/-

(In word Rs. seven lakh ninety

eight thousand two hundred only

under Deputy Forest Engineer, Pune Circle, Pune's

Office No. ENG/2336/2025-26 dated 16/10/2025


Deputy Forest Engineer
Pune Circle, Pune.

**NAME OF WORK :- CONSTRUCTION OF CONCRETE BOUNDARY PILLER AT
MARDI SOLAPUR AT ROUND FOREST GAT NO.165/216/217 IN SOLAPUR RANGE
OF SOLAPUR FOREST DIVISION.
ABSTRACT**

Item No.	Quantity	Item of Work	Rate	Unit	Amount
1	144.00	Removing grass, gazer grass and disposing off out of building premises including making clean the ground by shovel and phavaras etc. complete.	Rs.6.00	Square Metre	864.00
		S.S.R.2022-23 Item No. 21.34			
		R.A.No.1			
2	23.23	Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres 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, dewatering etc. complete. (Lift upto 1.50 m) by Manual Means	Rs.365.00	Cubic Metre	8,479.00
		S.S.R.2022-23 Item No. 21.05			
		R.A.No.2			
3	48.20	Providing cast in situ / ready mix M10 grade cement concrete for head walls of CD work / retaining walls etc. including necessary form work, compaction, finishing and curing etc. complete. (with reversible drum type mixer/ concrete batch mix plant (pan mixer) without SCADA with fine aggregates of required specifications (Natural sand / VSI sand finely washed etc.) cement 4.05 bags/cum)	Rs.9356.70	Cubic Metre	450,993.00
		S.S.R.2022-23 Item No. 11.28			
		R.A.No.3			
4	286.18	Providing internal cement plaster 6 mm. thick in a single coat in cement mortar 1:4 without neeru finish to concrete surface in all positions including scaffolding and curing etc. complete.	Rs.207.65	Square Metre	59,425.00
		S.S.R.2022-23 Item No. 32.01			
		R.A.No.4			
5	16.93	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.	Rs.101.00	Square Metre	1,710.00
		S.S.R.2022-23 Item No. 35.12			
		R.A.No.5			
6	2048	Painting letters upto 20 cm height complete, brushes, coir brushers dusting cleaning including cost of paint etc.	Rs.29.00	Number	59,392.00
		S.S.R.2022-23 Item No. 6.05			
		R.A.No.6			
7	211.84	Providing and applying two coats of exterior white weather shield paint of approved manufacture and of approved colour to the plastered surfaces including cleaning, preparing the	Rs.295.00	Square Metre	62,493.00
		S.S.R.2022-23 Item No. 35.26			
		R.A.No.7			

Total Rs 643,356.00
Say Rs. 643,356.00


**Range Forest Officer
SOLAPUR**


**Dy. Forest Engineer 0.00
Pune Circle, Pune 0**

NAME OF WORK :- CONSTRUCTION OF CONCRETE BOUNDARY PILLER AT MARDI SOLAPUR
AT ROUND FOREST GAT NO.165/216/217 IN SOLAPUR RANGE OF SOLAPUR FOREST DIVISION.

AT EVERY 20.00M
INTERVAL

Length of Boundary = 628.300 Km
No. of Class I Pillars = 64 No.
No. of Class II Pillars = 0 No.

MEASUREMENT SHEET

Description	No.	Lenth	Breadth	Depth	Qty.	Jnit/Amt.
1	2	3	4	5	6	7

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. (21.34)

For Class I Piller	64	1.50	1.50	..	144.00	Sqm
For Class II Piller	0	1.20	1.20	..	0.00	Sqm
Total					144.00	Sqm

Item No. 2 :-Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres 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 1.50 m) By Manual Means(21.05)

Class I Pillers	64	1.10	1.10	0.30	23.23	Cum
Class II Pillers	0	0.80	0.80	0.30	0.00	Cum
Total					23.23	Cum

Item No. 3 :-Providing cast in situ / ready mix M10 grade cement concrete for head walls of CD work / retaining walls etc. including necessary form work, compaction, finishing and curing etc. complete. (with reversible drum type mixer/ concrete batch mix plant (pan mixer) without SCADA with fine agreeegates of required specifications (Natural sand / VSI sand finely washed etc), cement 4.05 bags/cumt)(11.28)

Class I Pillers

Volume of Piller = $H / 3 \times (A_1 + A_2 + \sqrt{A_1 A_2})$ 64 0.741 47.42 Cum

$$A_1 = 0.60 \times 0.60 = 0.36 \text{ Sqm}$$

$$A_2 = 0.90 \times 0.90 = 0.81 \text{ Sqm}$$

$$H = 1.30 \text{ m} = 0.741 \text{ cum}$$

For Pedastal at top

64	0.23	0.23	0.23	0.78	Cum
0			Total	48.20	Cum
			0.289	0.00	Cum

Class II Pillers

Volume of Piller = $H / 3 \times (A_1 + A_2 + \sqrt{A_1 A_2})$

$$A_1 = 0.45 \times 0.45 = 0.020 \text{ Sqm}$$

$$A_2 = 0.60 \times 0.60 = 0.36 \text{ Sqm}$$

$$H = 1.05 \text{ m} = 0.289 \text{ cum}$$

For Pedastal at top

0	0.23	0.23	0.23	0.00	Cum
			Total	0.00	Cum
			Net Quantity	48.20	Cum

NAME OF WORK :- CONSTRUCTION OF CONCRETE BOUNDARY PILLER AT MARDI SOLAPUR
AT ROUND FOREST GAT NO.165/216/217 IN SOLAPUR RANGE OF SOLAPUR FOREST DIVISION.

AT EVERY 20.00M
INTERVAL

Length of Boundary = 628.300 Km

No. of Class I Pillars = 64 No.

No. of Class II Pillars = 0 No.

MEASUREMENT SHEET

Description	No.	Lenth	Breadth	Depth	Qty.	Jnit/Amt.
1	2	3	4	5	6	7

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. (21.34)

For Class I Piller	64	1.50	1.50	..	144.00	Sqm
For Class II Piller	0	1.20	1.20	..	0.00	Sqm
				Total	144.00	Sqm

Item No. 2 :-Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres 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 1.50 m) By Manual Means(21.05)

Class I Pillers	64	1.10	1.10	0.30	23.23	Cum
Class II Pillers	0	0.80	0.80	0.30	0.00	Cum
				Total	23.23	Cum

Item No. 3 :-Providing cast in situ / ready mix M10 grade cement concrete for head walls of CD work / retaining walls etc. including necessary form work, compaction, finishing and curing etc. complete. (with reversible drum type mixer/ concrete batch mix plant (pan mixer) without SCADA with fine agreegates of required specifications (Natural sand / VSI sand finely washed etc), cement 4.05 bags/cumt)(11.28)

Class I Pillers

Volume of Piller = $H / 3 \times (A1 + A2 + \sqrt{A1 A2})$ 64 0.741 47.42 Cum

$$A1 = 0.60 \times 0.60 = 0.36 \text{ Sqm}$$

$$A2 = 0.90 \times 0.90 = 0.81 \text{ Sqm}$$

$$H = 1.30 \text{ m} = 0.741 \text{ cum}$$

For Pedastal at top

64	0.23	0.23	0.23	0.78	Cum
			Total	48.20	Cum
			0.289	0.00	Cum

Class II Pillers

Volume of Piller = $H / 3 \times (A1 + A2 + \sqrt{A1 A2})$ 0

$$A1 = 0.45 \times 0.45 = 0.020 \text{ Sqm}$$

$$A2 = 0.60 \times 0.60 = 0.36 \text{ Sqm}$$

$$H = 1.05 \text{ m} = 0.289 \text{ cum}$$

For Pedastal at top

0	0.23	0.23	0.23	0.00	Cum
			Total	0.00	Cum
			Net Quantity	48.20	Cum

NAME OF WORK :- CONSTRUCTION OF CONCRETE BOUNDARY PILLER AT MARDI SOLAPUR AT ROUND FOREST GAT NO.165/216/217 IN SOLAPUR RANGE OF SOLAPUR FOREST DIVISION.

Quality Control Testing Charges

Item No.	Item in brief	Estimated		Material	Standard Consumption	Utilised Quantity of Ingradients	V.Q.C. D.S.R. Item	Tests	Norms	Required Tests	Rate of Each Test	Amount of Q.C. Testing Charges
		Quantity	Unit									
1	2	3	4	5	6	7	8	9	10	11	12	13
3	M-10 for Head Wall With Natural Sand.	48.20	Cubic Metre	Cement	0.22000	10.60	19	CONCRETE Compressive Strength OF Cement Concrete Cube (Set of 3 cubes) test.	Upto 5 Cum. - 1 Set 6-15 Cum. - 2 Sets 16-30 Cum. - 3 Sets 31-50 Cum. - 4 Sets Above 51 Cum. 1 additional set for every additional 50 Cum.	4	725.00	2900.00
				Cr.Sand	0.4700	22.65	3	BASIC TEST OF AGGREGATE. Sieve Analysis test.	For Concrete- 1 Test per 200 Cum. For W.B.M.- 1 Test per 250 cum For M.P.M./BUSG - 1 Test per 100 cum For	1	725.00	725.00

Total Quality Control Testing Charges

Rs.3,625.00


 Range Forest Officer
 SOLAPUR

NAME OF WORK :- CONSTRUCTION OF CONCRETE BOUNDARY
PILLER AT MARDI SOLAPUR AT ROUND FOREST GAT NO.165/216/217
IN SOLAPUR RANGE OF SOLAPUR FOREST DIVISION.

Lead Statement

Sr. No.	Material	Source	Total Lead in Km.	Total Lead in Km.
1	Cr.Metal		20.00	20.00
2	Metal		20.00	20.00
3	Cement		20.00	20.00
4	Cr.Sand		20.00	20.00
5	Steel		20.00	20.00

Sr. No.	Name of Material	Total Lead in Km.	Total Lead Charges (Rs.)	Remarks
1	Crushed metal	20.00	488.73	/Cum
2	Metal hand broken (40 mm,60mm)	20.00	488.73	/Cum
3	Cement	20.00	348.11	/M.T.
4	Cr.Sand	20.00	488.73	/Cum
5	Steel	20.00	348.11	/M.T.


Range Forest Officer
SOLAPUR

NAME OF WORK :- CONSTRUCTION OF CONCRETE BOUNDARY PILLER AT MARDI SOLAPUR
AT ROUND FOREST GAT NO.165/216/217 IN SOLAPUR RANGE OF SOLAPUR FOREST DIVISION.

RATE ANALYSIS

R.A.No.1 Removing grass, gazer grass and disposing off out of building premises including making

Item No. 21.34

Basic Rate

Rs.6.00

Say

6.00

Per Sqm.

R.A.No.2 Excavation for foundation in hard murum including removing the excavated material

Item No. 21.05

Basic Rate

Rs.365.00

Say

365.00

Per Cum.

R.A.No.3 Providing cast in situ / ready mix M10 grade cement concrete for head walls of CD work

(8717-126)

Item No.

11.28

Basic Rate

Rs.8591.00

Scada Deduction

Material

Qty./Unit

Distance Km.

Lead Charge

Cement

0.2200

20.00

348.11

Rs.76.58

Cr.Metal

0.9400

20.00

488.73

Rs.459.41

Cr.Sand

0.4700

20.00

488.73

Rs.229.70

Total

9356.69

Say

9,356.70

Per Cum.

R.A.No.4 Providing internal cement plaster 6mm. thick in a single coat in cement mortar 1:4 without

Item No.

32.01

Basic Rate

Rs.203.00

Cement

0.00270

20.00

348.11

Rs.0.94

Cr.Sand

0.0076

20.00

488.73

Rs.3.71

Total

207.65

Say

207.65

Per Sqm.

R.A.No.5 Providing and applying two coats of flat oil paint of approved colour and shade to internal

Item No. 35.12

Basic Rate

Rs.101.00

Say

101.00

Per Sqm.

R.A.No.6 Painting letters upto 20 cm height complete, brushes, coir brushers dusting cleaning

Item No. 6.05

Basic Rate

Rs.29.00

Say

29.00

Per No.

R.A.No.7 Providing and applying two coats of exterior white weather shield paint of approved

Item No. 35.26

Basic Rate

Rs.295.00

Say

295.00

Per Sqm.

Range Forest Officer
SOLAPUR

Dy. Forest Engineer
Pune Circle, Pune