

**वनपरिक्षेत्र अधिकारी पेट प्रादेशिक यांचे कार्यालय पेट ता.पेट जि.नाशिक**

**Email id rangeforestofficerpeth@gmail.com ph nc:- ०२५५८-२२५५४६**

विषय :- पर्यायी वनीकरण कामाचे अंदाजपत्रक  
जा.क्र.अ./ अंदाजपत्रक / ८६८/ सन २०१८-१९  
पेट दिनांक :- १२.११.२०१८

परिमंडळ - करंजाळी  
नियतक्षेत्र - कोहोर

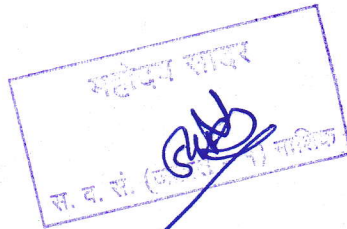
गट नं - ७०  
गांव - उंबरदहाड

पर्यायी वनीकरण कामाचे अंदाजपत्रक पूर्व पावसाळी ते ८ वर्ष पर्यंत माहितीसाठी  
सविनय सादर

**गोषवारा**

अ. क्र.	अंदाजपत्रक	अंदाजपत्रकीय विवरण	अंदाजपत्रकीय रक्कम (लाखात)	आदिवासी क्षेत्र १० % जास्त रक्कम (लाखात)	एकुण रक्कम (लाखात)
१	पार्ट A	पूर्व पावसाळी कामे व पुढील ८ वर्षातील रोपवनाची कामे	५५१३७६.५	५५१३७६.५	६०६५१४१.५
२	पार्ट B	संरक्षणासाठी कुंपन	२३२५७२.२	२३२५७२.२	२५५८२९४.२
३	पार्ट A + पार्ट B				८६२३४३५.७
				एकुण एकंदर	८६२३४३६

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वनपरिक्षेत्र पेट प्रादेशिक,  
पेट

# Model Rate Structure for Compensatory Afforestation

## Model No.3

Model rate structure for Plantation of mixed tree species with rainfall upto 800 mm and medium quality, medium drained soil with soil depth upto 30. cm.

Plantation- 3.0 m x 3.0 m

Pits- 0.45x0.45x0.45 m

Seedlings- 1111 Per ha

wage Rate- 339.61 per day

Part A

(Amount in Rs.)

Particular of works	Man days	Wages	Material Supply	Total (Rs. Per Ha.)
a. Survey and demarcation	1.00	339.61	50.00	389.61
b. Preparation of treatment map (100 m x 50 m grid)	1.00	339.61	50.00	389.61
c. Clearing of bushes and preparation of site (As per requirement)	10.00	3396.1	50.00	3446.1
Soil and moisture conservation works including collectin of rubbles from areas upto 30 m etc.	-	-	-	-
Alignment of 1200 rmt of CCT at 8.00 m spacement (0.25 M.D per 100 rmt and M& S Rs. 40 per 100 rmt)	-	-	-	-
Digging of CCT of Size 60 cm width and 45 cm depth including stacking of soil at down word slope (1200 rmt per ha-0.15 per rmt)	-	-	-	-
Digging of Trench cum mound (TDM) of size 1.90 x 0.60 x 1.00 m along the periphery of plantation area including spreading/stacking the excavated soil as directed in 1 m width and 1 M Height length 1112 Rmt per Ha (127.50 Cum per ha)	82.57	28041.59	50.00	28091.59
Alignment of pits at 3.0 X 3.0 m Spacement 1111 pits per ha ( 0.13 M.D and M& S Rs. 2.24 per 50 Pits.	2.86	971.28	49.77	1021.05
Digging of pits of 0.45 X 0.45 x 0.45 m size 1111 Pits per ha (6.60 M.D per 100 Pits	73.33	24903.60	0.00	24903.60
Part Nursery cost for raising 1333 seedling per ha (including 20% casualty replacement) in polybag of size 12.50 x 25.00 cm (Wages Rs. 8.80 and M & S Rs.1 76 per Plant)	28.63	9723.03	2346.08	12069.11
<b>Total</b>	199.39	67714.82	2595.85	70310.67
<b>Contingency 3%</b>			2109.32	2109.32
<b>Labour Welfare 4%</b>			2812.42	2812.42
<b>Grand Total</b>			7517.59	75232.41
<b>B. First Year Operations</b>				
Part Nursery cost for maintainace of 1333 Seedling per ha Rs. 1.55 Per Seedling (Wages Rs.1.11, M&S Rs.0.44)	11.68	3966.64	586.52	4553.16



Refilling of pits with good quality soil a) Wages 1.66 M.D Per 100 pits b) 20% soil replacement. 20 Cum per ha. Rs.300/- per cum. c) Filling. 5 % farm yard manure in pits. 5 cum per ha. Rs 700/- per cum	18.44	6262.40	9500.00	15762.40
Transportation of 1333 seedlings from Nursery to Plantation site Including loading & unloading (0.14 M.D per 100 Seedlings & M.S Rs.1 Per Seedlings)	1.55	526.39	1333.00	1859.39
Plantation of agave suckers in 3 rows on TCM. ( 306 Suckers per ha @ Rs. 500 per kg)	1.00	339.61	981.00	1320.61
Sowing of Seeds on CCT. 1200 rmt 5 kg Per ha @ Rs. 50 per kg				
Removal of weeds from CCT ( 1.20 M.D Per 100 rmt)				
Planting of seedling 1111 Per ha (1.00 M.D per 100 Seedling.)	19.11	6489.94	0.00	6489.94
3 weedings and 2 Soil workings ( 3.50 M.D Per 100 Seedlings) fertilizer application Rs. 0.45 Per seedling.	38.88	13204.03	500.00	13704.03
Causality replacement ( 20% 222 Seedling per ha) (2 M.D Per 100 Seedlings)	4.44	1507.86	0.00	1507.86
Part Nursery cost for causality replacement in SYO ( 222 Seedlings per ha.) (wages Rs.8.80 and material supply Rs. 1.76 Total Rs. 10.56 Per Seedling.)	7.78	2642.16	390.72	3032.88
Watch and word ( 10 Months-1 Watcher Per 10 ha)	30.00	10188.3	0.00	10188.3
Fire tracing	2.00	679.22	0.00	679.22
<b>Total</b>	134.88	45806.55	13291.24	59097.79
<b>Contingency 3%</b>				1772.93
<b>Labour Welfare 4%</b>				2363.91
<b>Grand Total</b>				
<b>C. Second Year Operations</b>	1.95	662.24	97.67	759.91
Part Nursery cost for seedlings for causality replacement (222 seedlings per ha)	0.31	105.28	222	327.28
Transportation of 222 Seedlings for causality replacement including loadings & unloading ( 0.14 M.D & M.S Rs. 1 Per 100 Seedlings)	4.44	1507.86	0.00	1507.86
Planting for causality replacement 222 seedlings ( 2.00 M.D. Per 100 Seedlings.)	27.77	9430.97	500	9930.97
2 Weedings and 1 soil working with fertilizer application at Rs. 0.45 Per seedling	36.50	12395.77	0.00	12395.77
Watch and word 12 months-1 watcher per 10.00 ha	2.00	679.22	0.00	679.22
Fire tracing	72.97	24781.34	819.67	25601.01
<b>Total</b>				768.03
<b>Contingency 3%</b>				1024.04
<b>Labour Welfare 4%</b>				27393.08
<b>Grand Total</b>				
<b>D. Third Year Operations</b>				

1 Weeding nad 1 soil working ( 1.50 M.D Per 100 Seedlings)	16.67	5661.29	0.00	5661.29
Watch and ward 12 Months-1 Watcher per 10.00 ha	36.50	12395.76	0.00	12395.76
Fire tracing	2.00	679.22	0.00	679.22
Total	55.17	18736.28	0.00	18736.28
Contingency 3%				562.08
Labour Welfare 4%				749.45
Grand Total				20.047.81
E.Fourth Year Operations				
Fire tracing	2.00	679.22	0.00	679.22
Watch and ward 12 Months-1 Watcher per 10.00 ha	36.50	12395.76	0.00	12395.76
Total	38.50	13074.98	0.00	13074.98
Contingency 3%				392.25
Labour Welfare 4%				523.00
Grand Total				13990.23
F.Fifth Year Operations				
Fire tracing	2.00	679.22	0.00	679.22
Watch and ward 12 Months-1 Watcher per 10.00 ha	36.50	12395.76	0.00	12395.76
Total	38.50	13074.98	0.00	13074.98
Contingency 3%				392.25
Labour Welfare 4%				523.00
Grand Total				13990.23
G.Sixth Year Operations				
Fire tracing	2.00	679.22	0.00	679.22
Watch and ward 12 Months-1 Watcher per 10.00 ha	36.50	12395.76	0.00	12395.76
Total	38.50	13074.98	0.00	13074.98
Contingency 3%				392.25
Labour Welfare 4%				523.00
Grand Total				13990.23

*R.F.O. perh (T)*



**Abstract for Model No. 3**

Year of Operation	Man days	Wages	Material Supply	Total	Other expenses	Total	Total amount (Rounded off)
Pre Monsoon Works	199.39	67714.83	2595.85	70310.67	4921.74	752324.41	752325
First Year Operations	134.88	45806.55	13291.24	59097.83	4136.84	63234.67	63235
Second Year Operations	72.97	24781.34	819.67	25601.01	1792.07	27393.08	27393
Third Year Operations	55.17	18736.28	0.00	18736.28	1311.53	20047.81	20048
Fourth Year Operations	38.50	13074.98	0.00	13074.98	915.25	13990.23	13990
Fifth Year Operations	38.50	13074.98	0.00	13074.98	915.25	13990.23	13990
Sixth Year Operations	38.50	13074.98	0.00	13074.98	915.25	13990.23	13990
Seventh Year Operations	38.50	13074.98	0.00	13074.98	915.25	13990.23	13990
<b>Total</b>	<b>616.41</b>	<b>209338.92</b>	<b>16706.76</b>	<b>226045.7</b>	<b>15823.2</b>	<b>918960.89</b>	<b>918961</b>

The rates indicated are as per item no.3 of Government of Maharashtra Resolution

WREGS-2011/F.No 85/EGS-1 Planning department. EGS division dt. 3/11/2011. the

rates for item No. 4 & 5 of premonsoon works and item No. 2 of FYO are as per Model No. 7

**Amount for 1 ha = 918961**

**As Say = 918961**

**Amount for 7.33 ha = 6735984.13**

**As Say = 6735984**

*[Signature]*  
R.F.O. Peth (T)

Rv

Name of Work - Providing Chainlink Fencing At. Ambey Dahad Tal.  
Peth

### RECAPULATION SHEET

S N	Item of Work		Amount
1	<u>Estimated cost</u>		Rs. 2065472.00
2	<u>Add GST Charges</u>	12.00%	Rs. 247856.64
3	<u>ADD SQM &amp; Contingencies</u>	0.10%	2065.472
4	<u>Technical Sanction Charges</u>	0.50%	10327.36
TOTAL			Rs. 2325721.47
Say			Rs. 2325722.00

**ABSTRACT SHEET**

Sr.No.	Items	Quantity	Unit	Rate	Amount
1	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 & stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary backfilling, ramming, watering including shoring and strutting etc. complete. By Manual Means. With Lift upto 1.5 m.	9.90	Cum	157.30	1557.27
2	Providing and laying in situ, cement concrete in M-10 of trap / granite / quartzite / gneiss metal for foundation and bedding including bailing-out water manually, formwork, compacting, covering newly laid concrete by gunny bag, plastic or tarpaulin, curing etc. complete.	0.79	Cum	5634.49	4451.25
3	Providing and laying in situ cement concrete of M-20 grade of trap / granite / quartzite / gneiss metal for R.C.C. work in foundations like raft, grillages, strips, foundations and footings of R.C.C. columns and steel stanchions including bailing-out water manually, formwork, compacting, covering newly laid concrete by gunny bag, plastic or tarpaulin, curing and roughening the surface if special finish is to be	1.73	Cum	6581.75	11386.43
4	Providing and casting in situ cement concrete of M-20 grade of trap granite / quartzite / gneiss metal for R.C.C. columns as per detailed designs and drawings or as directed including fixing plastic cover block of required size at 1.5 meter C/C near the edge of each side and at the center when the width is more than 75 cm. to reinforcement to	2.84	Cum	11704.19	33239.9
5	Providing and fixing in position T.M.T. steel bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels, pargis, copings, fins, arches etc. as per detailed designs, drawings and schedules including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete. (T.M.T. steel from Minimill / Mini plant Plant) Spec. No. : Bd.F.17 Page 306	0.292	MT	134387.40	39241.13
6	Providing and Fixing mild steel grill gate with angle iron frame 65mm X 65mm X 10mm with iron bars at 150mm C/C and diagonal flats as per the detailed drawing including hinges, pivot block locking arrangement, welding, riveting and oil painting of three coats of approved shade weight of gate 35 kg/Smt.	11.04	Sqm	2624.60	28975.59



Sr.No.	Items	Quantity	Unit	Rate	Amount
7	Providing and erecting chain link fencing 1.6 M. height with G.I. chain link of size 50 x 50 mm 8 gauge thick and fixed 75 mm above Ground level vertical M.S Angle of 40 x 40 x 6 mm size embedded in C.C. block of 1:4:8 mix of size 450 x 450 x 670 mm. at 1.75 M. c / c with iron bar 16 mm dia as hold fast including welding link with angle frame at 30 cm c / c nuts and bolts and horizontal M.S. Angles at top and bottom of 25 x 25 x 5 mm size and vertical M.S. flat 35 x 5 mm and 25 x 5 mm horizontal including cross support of 40 x 40 x 6 mm Angles both sides at every corner or bends embedded in concrete	1000.00	Rmt	1938.20	1938200.00
8	Providing and fixing board displaying information, such as 'Name of work, Tender cost, Name of Contractor, Work completion and liability period etc', having rectangular shape of 1.20m x 0.90m size made out 18 gauge (1.25mm) thick mild steel sheet painted with one coat of Zinc chromate stoving primer and two coats of enamel paint on front side and grey stove enamel on back side and border /	1.00	Nos	7968.00	7968.00
9	Shooting of still photographs outdoor and indoor of construction and other works of building, bridges, roads, etc. in District and outside dist. at any distances. i) Still photos P.C. size	2.00	Copies	9.00	18.00
10	Royalty Charges	3.07	Cum	141.34	433.92
				<b>Total Say</b>	<b>2065471.49 2065472.00</b>

*R.F.O. Peth (T)*



## MEASUREMENT SHEET

No.	Items	Nos	Length	Breadth	Depth	Quantity	Unit
	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 & stacking and spreading as directed, Gate Columns	4	1.50	1.50	1.10 Total	9.90 9.90	Cum Cum
	Providing and laying is situ, cement concrete in M-10 of trap / granite / quartzite / gneiss metal for foundation and bedding including bailing-out water manually, formwork, compacting, covering newly laid concrete by gunny bag, plastic or tarpaulin, curing etc. complete.	4	1.40	1.40	0.10 Total	0.79 0.79	Cum Cum
	Providing and laying in situ cement concrete of M-20 grade of trap / granite / quartzite / gneiss metal for R.C.C. work in foundations like raft, grillages, strips, foundations and footings of R.C.C. columns and steel stanchions including bailing-out water manually,	4	1.20	1.20	0.30 Total	1.73 1.73	Cum Cum
	Providing and casting in situ cement concrete of M-20 grade of trap granite / quartzite / gneiss metal for R.C.C. columns as per detailed designs and drawings or as directed including fixing plastic cover block of required	4	0.45	0.45	3.50 Total	2.84 2.84	Cum Cum
	Providing and fixing in position T.M.T. steel bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, Footing Columns	1.73 2.84	x x	62.00 65.00 Total Say	107.26 184.60 291.86 0.292	Kgs Kgs Kgs MT	
	Providing and Fixing mild steel grill gate with angle iron frame 65mm X 65mm X 10mm with iron bars at 150mm C/C and diagonal flats as per the detailed drawing including hinges,pivot block locking arrangement,welding riveting and oil painting of three	1 2	4.50 1.20		1.60 1.60 Total	7.20 3.84 11.04	Sqm Sqm Sqm

LEAD CHARGES

Sr.No.	Item of Work	Lead in KM	Lead Charges	Net Lead Charges	Unit
1	Cement	14	207.03	207.03	
2	Sand	119	1228.59	1228.59	
3	Steel	14	207.03	207.03	
4	Bricks	39	1242.53	1242.53	
5	Crushed Metal	49	648.68	648.68	
6	Rubble	9.5	330.42	330.42	
7	Murum	9.5	258.83	258.83	

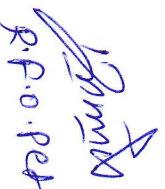
MATERIAL RATE

Sr.No.	Material	Rate
1	Cement	4700.00
2	Mild Steel	0.00
3	TMT Steel	45785.00
4	TMT Steel	0.00
5	Structural Steel	
	Tubular steel	0.00
	Steel for structural	46000.00

*R. F. O. peth CT*



Item No.	Item	SSR No.	Basic Rate	Deduct for SCADA	Total = D-E	Add 10% Hilly / Tribal Area	Add Extra lead Charges					Total Lead	Total Rate = (P+Q+L)
A	B	C	D	E	F	M	Material	Consumption	Lead	Total Lead Charge	R	S	
1	Excavation for Foundation	21.02	143.00		143.00	14.3					0.00	157.30	
2	C.C. M-10	24.01	4257.00	255.42	4001.58	400.16	Cement	0.22	207.03	45.55	1232.75	5634.49	
							Sand	0.47	1228.59	577.44			
							Metal	0.94	648.68	609.76			
										1232.75			
3	RCC M-20 for Foundation	25.11	5255.00	315.30	4939.70	493.97	Cement	0.36	207.03	74.54	1148.08	6581.75	
							Sand	0.425	1228.59	522.16			
							Metal	0.85	648.68	551.38			
										1148.08			
4	RCC M-20 for Columns	25.31	10209.00	612.54	9596.46	959.65	Cement	0.36	207.03	74.54	1148.08	11704.19	
							Sand	0.425	1228.59	522.16			
							Metal	0.85	648.68	551.38			
										1148.08			
5	TMT Steel	26.33	63994.00		63994.00	6399.40	Steel	1.05	207.03	217.39	63994	134387.40	
										217.39			
6	Grill Gate	44.10	2386.00		2386.00	238.60					0.00	2624.60	
7	Chainlink Fencing	46.39	1762.00		1762.00	176.20					0.00	1938.20	
8	Information Board	6.36	7968.00		7968.00	0.00					0.00	7968.00	
9	Shooting Photographs	15-16 1355	9.00		9.00	0.00					0.00	9.00	

  
 P.P.O. Peth (ST)