COMPENSATORY AFFORESTATION SCHEME

Model estimate for raising Compensatory Afforestation Plantation (1.52 ha) in the degraded forest area at Masakkal RF at Pennagaram Range of Dharmapuri Forest Division, Dharmapuri during 2021-2022

Sl. No.	Details of work	Year	Unit	Rate per unit	Amount proposed
	Campensatory Afforestation for Taller Saplings (30X45 cm poly bags)				
1	Raising nursery for taller saplings (30x45) @ 1000Nos. per ha. for 1.00ha.	2023-2024	1.52 ha.	1,63,350.00	2,48,292.00
2	Planting taller saplings @ 1000Nos. per ha. for 1.00ha	2024-2025	1.52 ha.	3,01,884.00	4,58,864.00
3	**1st year maintenance**	2025-2026	1.52 ha.	2,16,687.00	3,29,364.00
4	**2nd year maintenance**	2026-2027	1.52 ha.	2,38,356.00	3,62,301.00
5	**3rd year maintenance** (Scraping annually fire line to a width of 6 mts in hill areas - as per FSR Item No. 2.2.1)	2027-2028	1.52 ha.	14,655.00	22,276.00
6	**4th year maintenance** (Add10% cost escalation in the previous year maintenance cost)	2028-2029	1.52 ha.	16,121.00	24,504.00
7	**5th year maintenance** (Add10% cost escalation in the previous year maintenance cost)	2029-2030	1.52 ha.	17,733.00	26,954.00
8	**6th year maintenance** (Add10% cost escalation in the previous year maintenance cost)	2030-2031	1.52 ha.	19,506.00	29,649.00
9	**7th year maintenance** (Add10% cost escalation in the previous year maintenance cost)	2031-2032	1.52 ha.	21,457.00	32,615.00
10	**8th year maintenance** (Add10% cost escalation in the previous year maintenance cost)	2032-2033	1.52 ha.	23,603.00	35,877.00
11	**9th year maintenance** (Add10% cost escalation in the previous year maintenance cost)	2033-2034	1.52 ha.	25,963.00	39,464.00
12	**10th year maintenance** (Add10% cost escalation in the previous year maintenance cost)	2034-2035	1.52 ha.	28,559.00	43,410.00

Sl. No.	Details of work	Year	Unit	Rate per unit	Amount proposed
13	Chain link fencing around plantation to prevent biotic pressure @ 250 m per ha.at the rate of Rs.1500 per RM.	--	380 RM	2,299.00	8,73,620.00
14	Engaging protection mazdoor 1 Nos @ 30 days per month for three years.	3 years	As per separate calculation sheet		7,48,260.00
	Total cost required for compensatory afforestation for 1.52 ha				**32,75,450.00 (or) 32,75,500.00**

District Forest Officer,
Dharmapuri Forest Division,
Dharmapuri.

16/8/2022

Model estimate for raising nursery for taller saplings (10000 Nos) using with 30x45 cm size poly bags for Compensatory Afforestation in the degraded forest area at Masakkal RF during 2021-2022

Period of nursery : 10 months

Size of poly bags : 30 x 45cm x 450g

No. of saplings to be raised for 10ha @ 1000 saplings per ha : 10000

Add 10% extra for casualities : 1000

Total : 11000

Nursery Location : Thoppur Central Nursery

Labour rate for 2021-2022 : 460.25

Sl. No.	Qty.	Description of work	FSR. item No.	FSL	Rate per unit		Amount
1	11000 Nos	Cost of Polythene bags 30x45cmx600G (Rs.5605 + 18% GST + Add 10% cost escalation for 2020-2021)	As per tender rate 2021-2022		7,275	1,000 No	80,028.00
2	1.10 M^3	Formation of germination bed of size 10mx1mx0.30m by heaping the soil (1100 / 10000 = 0.11 or 1 Bed)	PWD SSR 2021-2022 (Item No.62)		64	1 M^3	70.00
3	1650 M^2	Preparation of nursery site by clearing and leveling the site for forming standard beds of 10m x 1m size. (1500sqm. For 10000 Nos.)	4.1	2.42	1,113.81	200 M^2	9,189.00
4	22.00 Kg	Cost of seeds (20kg for 10000 Nos)	LR		250	1 kg	5,500.00
5	1 Bed 15 days	Watering the germination beds twice daily with the rose can for 15 days. (10000 seedlings per bed)	4.5.1	0.82	377.41	10 Bed / day	566.00
6	1 Bed 15 days	Watering the germination beds once daily with the rose can for 15 days.	4.5.2	0.41	188.70	10 Bed / day	283.00
7	101.53 M^3	Collection and supply of sand, silt and red soil according to the requirement for preparation of soil mixture - 4/5th of the total volume.	LR		750	1 M3	76,148.00
8	25.41 M3	Cost and transport of Farm Yard Mannure for filling in polythene bags - 1/5th of the total volume.	LR		1,500	1 M3	38,115.00

Sl. No.	Qty.	Description of work	FSR. item No.	FSL	Rate per unit		Amount
9	11000 Nos	Preparation of soil mixture by breaking clods, sieving & mixing with red soil, silt and sand etc according to requirements and farmyard manure in the ratio 4:1 heaping at the filling site and filling in polythene bags and arrangingbags in beds and pricking out the seedlings (excluding cost of soil mixture and FYM)	4.6.7	28.57	13,149	1,000 Nos	1,44,643.00
10	385 kgs.	Cost of Vermicasting @ 35 gms/seedlings	As per Research wing rate		10	1 kg	3,850.00
11	165 kgs.	Cost of VAM @ 15gms/seedlings			18	1 kg	2,970.00
12	66 kgs.	Cost of Azospirilum @ 6gms/seedlings			27	1 kg	1,782.00
13	66 kgs.	Cost of Phosphobacteria @ 6gms/seedlings			27	1 kg	1,782.00
14	11000 Nos	Cost of vertical sticks of size 2.50m height.	As per PCCF C.No.TS3 / 33950 / 2013 dated 12-06-2015.		15	1 No.	1,65,000.00
15	5500 Nos	Cost of horizontal sticks.			5	1 No.	27,500.00
16	11000 Nos 2 time	Tying plants to the vertical stick once in a month - 2 times..			1.00	1 time	22,000.00
17	11000 Nos 2 time	Pruning side branches once in 2 month - 2 times.			1	1 time	22,000.00
18		Watering the container plants with rose can. (Watering regime as per the NHAI ME approved in PCCF's Ref.No. J1 / 57395 / 2003, dated : 12.12.2003)					
	11000 Nos / 60 days	a) Twice daily - 60 days.	4.10.7	0.56	258	1,000 Nos/ day	1,70,108.00
	11000 Nos / 210 days	b) Once daily - 210 days.	4.11.7	0.28	129	1,000 Nos/ day	2,97,690.00
19	11000 Nos 6 Shift	Shifting the container once in 21 days first shift is after 45 days from the date of pricking out - 6 times.	4.15.7	2.69	1,238	1,000 Nos/ Shift	81,713.00

Sl. No.	Qty.	Description of work	FSR. item No.	FSL	Rate per unit		Amount
20	11000 Nos 270 days	Cost of water for watering the container seedlings from the private wells - 270 days.			22.00	1,000 Nos	65,340.00
21	1650.00 Sq.m 10 M	Land rent nursery in private lands for 10 months.	4.17 (FSR 1998-1999)		86.00	40 Sq.m / M	35,475.00
22	0.55 Nos 300 MD	Nursery Protection mazdoor 1No. / 20000Nos. of 30x45cm bags - 300 days	Wages rate	0.5	460.25	1 Nos /MD	75,941.00
23	LS	Contingencies for application of pesticides and panchagavya, providing nursery name board etc., and unforeseen items of works if any.				LS	22,307.00
	Total cost for raising nursery per 10.00 ha during 2021-2022						**13,50,000.00**

COST CALCULATION FOR RAISING NURSERY

1	Total cost for raising nursery per 1.00ha during 2021-2022	**1,35,000.00**
2	Total cost for raising nursery per 1.00ha during 2022-2022 (including 10% escalation i.e. 135000 + 10%)	**1,48,500.00**
3	Total cost for raising nursery per 1.00ha during 2023-2024 (including 10% escalation i.e. 135000 + 10%)	**1,63,350.00**

Specifications :

This estimate is prepared based on the Model Estimate 2021-2022 for Compensation Afforestation plantations communicated by the Principal Chief Conservator of Forests, Chennai C.No.TS3 / 33950 / 2013, dated 12-06-2015 and also as per 2018-19 FSR communicated by the Chief Conservator of Forests, Dharmapuri circle vide Ref. No. 3734 / 2018 / D, dated 07-05-2018.

District Forest Officer,
Dharmapuri Forest Division,
Dharmapuri.

16/8/2022

Model estimate for planting the taller saplings (30x45 cm size poly bags) for Compensatory Afforestation over an area of 10.00 ha in the degraded forest area at Masakkal RF during 2021-2022

Size of poly bags : 30 x 45cm x 600G

Compensatory Afforestation area in ha :		10
No. of seedlings to be planted per ha :		1,000
Total No. of seedlings to be planted :		10,000
Add extra 10% for casualities	:	1,000
Total No. of seedlings raised	:	**11,000**
Wages Rate for 2021-2022	*Rs.*	460.25

Sl. No.	Quantity	Description of works	FSR item No.	FSL	Rate	Per	Amount
1	10000 Nos	Digging of 60 cm^3 pits in all types of soils during rainy season.	5.8.1	7.72	3,553.13	100 Nos	3,55,313.00
2	5000 kg.	Cost and transport of poultry manure @ 500g per plant.	L.R. and As per ME		5,000.00	1,000 kg.	25,000.00
3	10000 Nos	Application of poultry manure @ 500g per plant by mixing in the pit before planting - @ 1 Mazdoor for 200 plant.	L.R. and As per ME		460.25	200 Nos.	23,013.00
4	10000 Nos.	Cost of biofertilizer including cost of application (Vermicompost-1kg, Bio-fertilzer-100gand VAM-100g).	NHAI ME		10	1 No.	1,00,000.00
5	11000 Nos.	Transporting of container saplings to the radius of 40km excluding loading and unloading.	NHAI ME		10	1 No.	1,10,000.00
6	11000 Nos	**Loading & unloading** the polythene container seedlings (30x45cm) in private / department vehicles (excluding hire charges).	5.11.7	3.29	1,514	1,000 Nos	16,656.00
7	11000 Nos	Transporting of (30x45cm) polythene container seedlings by **head loads** upto 500m in hills / hillocks.	5.13.2 (i)	34.00	15,649	1,000 Nos	1,72,134.00
8	11000 Nos	Distribution of polythene container saplings from where seedlings are stacked to the planting spot upto 500m in hills / hillocks.	5.15.3	52.50	24,163	1,000 Nos	2,65,794.00

Sl. No.	Quantity	Description of works	FSR item No.	FSL	Rate	Per	Amount
9	10000 Nos	Planting the container plants by refilling pits of 60cm3 size in plains and hillocks.	5.22	1.71	787	100 Nos	78,703.00
10	1000 Nos	Replacement of casualties by reopening failed pits of 60cm3 pits and planting the container plants by refilling pits of size 60cm3 (1/2 pitting rate + full planting rate).	5.23	5.57	2,564	100 Nos	25,636.00
11	10000 Nos	Scraping for 1m dia and soil working 15cm depth around each plants and removing the grass roots away from the site of upturning the soil	5.24	1.23	566	100 Nos	56,611.00
12	10000 Nos	Formimg semi circular bunds to the plants in the hillocks by collecting the stones and earth from the area and formimg revetment on the lower side with stones and earth heaped and giving inward sloper.	5.25	2.88	1,326	100 Nos	1,32,552.00
13	10000 Nos	Forming catch water drains for each plant of size 0.90 x 0.45 x 0.30m in hillocks and hard gravelly soil.	5.26	6.84	3,148	100 Nos	3,14,811.00
14	10000 Nos 15 days	Watering the plants once in 6 days during summer / non-rainy period from January to March @ 1 Mazdoor for 200 plants / watering day - 15 watering days.	NHAI ME		460	200 Nos	3,45,188.00
15	**1200000** litre	Cost of water 20 litre per seedlings from January to March - 15 watering days @ the rate once in 6 days = 20x4000x15 =120000 ...	NHAI ME		1,200	**12,000** litre	1,20,000.00
16	180 MD	Engaging protection mazdoor - 1 mazdor from October to March.	Wages rate		460	1 MD	82,845.00
17	2 Nos.	Erection of name boards	LR		5,000	1 No.	10,000.00
18	1500 m	Scraping annually fireline to a width of 6m in hill	2.2.1	30	13,807.50	1,000 m	20,711.00

Sl. No.	Quantity	Description of works	FSR item No.	FSL	Rate	Per	Amount
19	LS	Contingencies to meet out unforeseen items of works such as Documentation charges & Erection of Information Board etc. complete .	LS				13,129.00
	Total cost for planting taller saplings in 10.00 ha. during 2021-2022						**22,68,096.00**

1	Rate per ha. for 2021-2022	:	**Rs.**	**2,26,809.60**
2	Rate per ha. for 2022-2023 including 10% cost escalation	:	**Rs.**	**2,49,491.00**
3	Rate per ha. for 2023-2024 including 10% cost escalation	:	**Rs.**	**2,74,440.00**
4	Rate per ha. for 2024-2025 including 10% cost escalation	:	**Rs.**	**3,01,884.00**

Specifications :

This estimate is prepared based on the Model Estimate 2015-2016 for Compensation Afforestation plantations communicated by the Principal Chief Conservator of Forests, Chennai C.No.TS3 / 33950 / 2013, dated 12-06-2015 and also as per 2018-2019 FSR communicated by the Chief Conservator of Forests, Dharmapuri circle vide Ref.No.3734 / 2018 / D, dated 07-05-2018.

District Forest Officer,
Dharmapuri Forest Division,
Dharmapuri.

16/8/2022

Model estimate for I & II year maintenance of planted saplings over an area of 10 ha Compensatory Afforestation in the degraded forest area at Thoppur RF during 2021-2022.

Size of poly bags : 30 x 45cm x 600G

Total No. of seedlings planted : 10000

Seedlings planted for 1st year maint. 1000

Wages Rate for 2021-2022 *Rs.* 460.25

Sl. No.	Quantity	Description of works	FSR item No.	FSL	Rate	Per	Amount
1	1000 Nos	Cost for raising taller saplings in 30x45x600G poly bags.	ME		16.34	1 No.	16,335.00
2	500 kg.	Cost and transport of poultry manure @ 500g per plant.	L.R. and As per ME		5000.00	1000 kg.	2,500.00
3	1000 Nos	Application of poultry manure @ 500g per plant by mixing in the pit before planting - @ 1 Mazdoor for 200 plant.	L.R. and As per ME		460.25	200 Nos.	2,301.00
4	1000 Nos.	Cost of Bio-fertilizer including cost of application (Vermicompost-1kg, Bio-fertilzer-100gand VAM-100g).	NHAI ME		10.00	1 No.	10,000.00
5	1000 Nos.	Transporting of container saplings to the radius of 40km excluding loading and unloading.	NHAI ME		10.00	1 No.	10,000.00
6	1000 Nos	**Loading & unloading** the polythene container seedlings (30x45cm) in private / department vehicles (excluding hire charges).	5.11.7	3.29	1514.22	1000 Nos	1,514.00
7	1000 Nos	Transporting of (30x45cm) polythene container seedlings by **head loads** upto 500m in hills / hillocks.	5.13.2 (i)	34.00	15648.50	1000 Nos	15,649.00
8	1000 Nos	Distribution of polythene container saplings from where seedlings are stacked to the planting spot upto 500m in hills / hillocks.	5.15.3	52.50	24163.13	1000 Nos	24,163.00

Sl. No.	Quantity	Description of works	FSR item No.	FSL	Rate	Per	Amount
9	1000 Nos	Replacement of casualties by reopening failed pits of 60cm3 pits and planting the container plants by refilling pits of size 60cm3 (1/2 pitting rate + full planting rate).	5.23	5.57	2563.59	100 Nos	25,636.00
10	10000 Nos	Scraping for 1m dia and soil working 15cm depth around each plants and removing the grass roots away from the site of upturning the soil	5.24	1.23	566.11	100 Nos	56,611.00
11	10000 Nos 30 days	Watering the plants once in 6 days during summer / non-rainy period from January to March @ 1 Mazdoor for 200 plants / watering day - 30 watering days,	NHAI ME		460.25	200 Nos	6,90,375.00
12	60,00,000 litre	Cost of water 20 litre per seedlings once in 6 days from January to March (20lit x 10000 seedlings x 30 days = 60,00,000 litre.	NHAI ME		1200.00	12000 litre	6,00,000.00
13	1500 m	Scraping annually fire lineto a width of6m in hill areas.	2.2.1	30.00	13807.50	1000 m	20,711.00
14	LS	Contingencies to meet out unforeseen items of works such as Documentation charges & Erection of Information Board etc. complete .	LS				4,205.00
	Total cost for first year maintenance in 10.00 ha. during 2021-2022						**14,80,000.00**

ABSTRACT

1	Rate per ha. for 2021-2022	**Rs.**	**1,48,000**
2	Rate per ha. for 2022-2023 including 10% cost escalation	**Rs.**	**1,62,800**
3	Rate per ha. for 2023-2024 including 10% cost escalation	**Rs.**	**1,79,080**
3	Rate per ha. for 2024-2025 including 10% cost escalation	**Rs.**	**1,96,988**

Sl. No.	Quantity	Description of works	FSR item No.	FSL	Rate	Per	Amount

4 **1st year maintenance**

Rate per ha. for 2025-2026 including 10% cost escalation in the previous year rate **Rs. 2,16,687**

5 **2nd year maintenance**

Rate per ha. for 2026-2027 including 10% cost escalation in the previous year rate **Rs. 2,38,356**

Specifications :

This estimate is prepared based on the Model Estimate 2015-2016 for Compensation Afforestation plantations communicated by the Principal Chief Conservator of Forests, Chennai C.No.TS3 / 33950 / 2013, dated 12-06-2015 and also as per 2018-2019 FSR communicated by the Chief Conservator of Forests, Dharmapuri circle vide Ref. No.3734 / 2018 / D, Dated 07-05-2018.

District Forest Officer,
Dharmapuri Forest Division,
Dharmapuri.

16/8/2022

Model estimate for III year maintenance of planted saplings over an area of 10.00 ha. in Degraded Forest land to the planted saplings of Compensatory Afforestation plantation during 2022-2023.

Size of poly bags : 30 x 45cm x 600G Total No. of seedlings planted : 10000

Wages Rate for 2022-2023 *Rs.* 475.75

Sl. No.	Quantity	Description of works	FSR item No.	FSL	Rate	Per	Amount
1	10000 Nos	Scraping for 1m dia and soil working 15cm depth around each plants and removing the grass roots away from the site of upturning the soil	5.24	1.23	585.17	100 Nos	58,517.00
2	3000 m	Scrapping annually fire line to a width of 7.5 meters with fire traing in planis	2.2.2	21.52	10238.14	1000 m	30,714.00
3	LS	Contingencies to meet out unforeseen items of works such as Documentation charges & Erection of Information Board etc. complete .	LS				1,769.00
	Total cost for third year maintenance in 10.00 ha. during 2022-2023						**91,000.00**

ABSTRACT

1	Rate per 1 ha. for 2022-2023 including 10% cost escalation	=	**Rs.**	**9,100.00**
2	Rate per 1 ha. for 2023-2024 including 10% cost escalation	=	**Rs.**	**10,010.00**
3	Rate per 1 ha. for 2024-2025 including 10% cost escalation	=	**Rs.**	**11,011.00**
4	Rate per 1 ha. for 2025-2026 including 10% cost escalation	=	**Rs.**	**12,112.00**
5	Rate per 1 ha. for 2026-2027 including 10% cost escalation	=	**Rs.**	**13,323.00**

3rd year maintenance

Rate per ha. for 2027-2028 including 10% cost escalation on the previous year rate **Rs. 14,655.00**

1	**3rd year maintenance**	2027-2028	**Rs.**	**14,655.00**
2	4th year maintenance (taller seedlings) (Add10% cost escalation on the previous year maintenance cost)	2028-2029	**Rs.**	**16,121.00**

3	5th year maintenance (taller seedlings) (Add10% cost escalation on the previous year maintenance cost)	2029-2030	Rs. **17,733.00**
4	6th year maintenance (taller seedlings) (Add10% cost escalation on the previous year maintenance cost)	2031-2032	Rs. **19,506.00**
5	7th year maintenance (taller seedlings) (Add10% cost escalation on the previous year maintenance cost)	2032-2033	Rs. **21,457.00**
6	8th year maintenance (taller seedlings) (Add10% cost escalation on the previous year maintenance cost)	2033-2034	Rs. **23,603.00**
7	9th year maintenance (taller seedlings) (Add10% cost escalation on the previous year maintenance cost)	2034-2035	Rs. **25,963.00**
8	10th year maintenance (taller seedlings) (Add10% cost escalation on the previous year maintenance cost)	2035-2036	Rs. **28,559.00**

Specifications :

This estimate is prepared based on the Model Estimate for Compensation Afforestation plantations communicated by the Principal Chief Conservator of Forests, Chennai C.No.TS3 / 33950 / 2013, Dated 12-06-2015 and also as per 2022-2023 FSR communicated by the Conservator of Forests, Dharmapuri Circle vide Proceedings No. 3556 / 2022 / D, dated 19-04-2022.

District Forest Officer,
Dharmapuri Forest Division,
Dharmapuri.

16/8/2022

Providing Chain link fencing (for 1000m) around Compensatory Afforestation area in Masakkal RF in Pennagaram Range of Dharmapuri Division during 2022-23

ABSTRACT ESTIMATE

Sl. No.	Quantity		Description	Rate	per	Amount
1	2000.00	M^2	Clearing the light jungle as per standard specification.	6.66	M^2	13,320.00
2	108.43	M^3	Earth work open excavation in SDR - (Not Requiring Blasting) Earth work excavating and depositing on bank with initial lead of 10 m & initial lift of 2m in Soft disintegrated rock, laterite, soft rock or kankar, not requiring blasting inclusive of shoring shuttering, bailing out water wherever necessary and depositing the excavated earth with a lead of 10 m`ts. in places shown by the departmental officers and clearing and levelling the site, etc., complete complying with standard specification.	189.84	M^3	20,584.00
3	33.89	M^3	Cement Concrete 1:2:4 (One Cement, Two sand and Four hard broken stone jelly) using 20 mm gauge hard broken granite stone jelly for foundation including dewatering wherever necessary and laid in layers of not more than 15 cm thick, well rammed, consolidated and curing etc. complete complying with standard specification	6,935.01	M^3	2,35,027.00
4	451.80	M^2	Supplying and erecting steel centering including necessary supports for plane surfaces for Reinforced Cement Concrete works such as column footings, column pedestals, plinth beams, grade beams, staircase steps, etc. which require only nominal strutting using mild steel sheets of size 90cm x 60cm and 10 BG stiffened with welded mild steel angles of size 25mm x 25mm x 3 mm for boarding, laid over silver oak joists of size 10cm x 6.5cm spaced at about 75cm centre to centre or at suitable intervals etc. complete in all floors complying with standard specifcation. (Payment for centering shall be given after the concrete is laid)	872.74	M^2	3,94,304.00
5	5421.60	kg.	Supplying and fixing in position of 21/2" x 21/2" x 1/4" (62.50 x 62.5 x 6.25mm) MS angles including cost and conveyance of materials and fixing in position including cutting and welding etc; complete complying with standard specification and as directed by the departmental officers.	69.12	M^3	3,74,741.00

Sl. No.	Quantity		Description	Rate	per	Amount
6	1830.00	M^2	Supplying and fixing in position of Chain Link 2" x 2" using 10 Gauge Galvanised Iron Wire (of all sizes) including cost and conveyance of all materials at site and labour for fixing including cost of binding wire etc. complete complying with standard specification.	274.32	M^3	5,02,006.00
7	135.54	M^2	Plastering with Cement morter 1:5 (one cement and five sand) 20mm thick in all floors including mixing morter, working in all heights including curing with all leads and lifts for good water etc., complete complying with TNBSS and as directed by the departmental officers.	508.65	M^2	68,942.00
8	135.54	M^2	WHITE WASHING TWO COATS using best freshly burnt shell lime and colouring pigments in all floors including cost of lime blue powder, fevical type gum brushes, scaffolding charges etc., complete complying with standard specification.	36.40	M^2	4,934.00
9	225.90	M^3	Painting new iron works such as steel doors, windows, ventilators, window bars, balustrades etc., with two coats of best approved first quality and colour of synthetic enamel paint over the existing red oxide priming coat in all floors excluding cost of priming coat etc., complete complying with standard specification. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.)	165.00	M^3	37,274.00
10	36.14	M^2	Refilling the excavated soil for basement level filling using foundation cutting earth etc complete complying with standard specification.	44.34	M^2	1,602.00
11	LS		Transportation charges of chain link fencing and angles to the work site including loading and unloading etc; complete.	LS		15,000.00
			Sub Total			**16,67,734.00**

Sl. No.	Quantity		Description	Rate	per	Amount
12	LS		GST at 12% (CGST at 6%o + SGST at 6%) is leviable for any Government contract, whether Civil or Electrical, irrespective of the GST rate applicable on purchase of goods used in the execution of Government Contract.	LS		2,00,128.00
13	LS		Provsion for Labour welfare fund 1.00%	LS		16,677.00
14	LS		Provsion for unforeseen items of works such as painting and writting awareness sign boards, documentation & photographic charges etc.	LS		15,461.00
			Total			**19,00,000.00**

(Cost per 1RM = Rs.19,00,000/1000 = Rs. 1,900/-)

Rate per 1RM for the year 2022-2023	=	**Rs.**	**1,900.00**
Rate per 1RM for the year 2023-2024 (Add for 10% cost escalation)	=	**Rs.**	**2,090.00**
Rate per 1RM for the year 2024-2025 (Add for 10% cost escalation)	=	**Rs.**	**2,299.00**

District Forest Officer
Dharmapuri Division
Dharmapuri

10/8/2022

Calulation Sheet for engaging protection Mazdoors for three years (from July 2025 to June 2028) for Compensatory Afforestation Land over an area of 1.52 ha in the degraded forest area at Masakkal RF during 2021-2022.

Labour Rate for 2021-2022	Rs.	460.25
Labour Rate 2022-2023 including 10% cost escalation	Rs.	506.00
Labour Rate 2023-2024 including 10% cost escalation	Rs.	557.00
Labour Rate 2024-2025 including 10% cost escalation	Rs.	613.00

Sl. No.	Details of work	Year	No. of Man days	Rate per Man days	Amount proposed
I	**Engaging protection mazdoor 1 Nos @ 30 days per month for three years.**				
1	**First year (From July 2025 to June 2026)**				
	a) July 2025 to March 2026	2024-2025	270 MD	613.00	1,65,510.00
	b) April 2026 to June 2026 *(Add 10% cost escalation in the previous year maintenance cost)*	2025-2026	90 MD	674.00	60,660.00
2	**Second year (From July 2026 to June 2027)**				
	a) July 2026 to March 2027	2025-2026	270 MD	674.00	1,81,980.00
	b) April 2027 to June 2027 *(Add 10% cost escalation in the previous year maintenance cost)*	2026-2027	90 MD	741.00	66,690.00
3	**Third year (From July 2027 to June 2028)**				
	a) July 2027 to March 2028	2026-2027	270 MD	741.00	2,00,070.00
	b) April 2028 to June 2028 *(Add 10% cost escalation in the previous year maintenance cost)*	2027-2028	90 MD	815.00	73,350.00
	Total				**7,48,260.00**

District Forest Officer,
Dharmapuri Forest Division,
Dharmapuri.

16/8/2022