MODEL RATE STRUCTURE OF COMPENSATORY AFFORESTATION SCHEME

Erection of Ground base Mast for providing of Reliance 4G networks.

Range : Ballarshah

Beat: Vishnupur — **Round: Umari**

Daily Wage Rate: 303.96 — **Comptt. No : 567**

Plantation Area: 1.00 Ha

Sr. No.	Particulars of works	For 1.00 Ha. Man days	Wages	Material Supply	Total
1	2	3	4	5	6
A	**P.P.O. + P.Y.O. WORKS**				
1	a. Survey & Demarcation				
	b. Preparation of treatment map (100m x 50m grid)	1.00	303.96	60.50	364.46
	c. Clearing of bushes and preparation of site (As per requirement)	1.00	303.96	60.50	364.46
		10.00	3039.60	60.50	3100.10
2	Soil and moisture conservation works including collection of rubbles from areas upto 30 m etc.	31.00	9422.76	0.00	9422.76
3	Digging of trench cum mound (TCM) 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 3 M height. Length 102 Rmt per Ha (127.50 cum per ha)	82.57	25097.98	60.50	25158.48
4	Alignment of pits at 2m x 2m spacement. 2500 pits per Ha (0.13 M.D. per 50 pits) M&G @ Rs. 2.24 per 50 pits.	6.50	1975.74	135.50	2111.24
5	Digging of pits of size 0.45 x 0.45 x 0.45 m (2500 pits per ha) 6.60 M.D. per 100 pits	165.00	50153.40	0.00	50153.40
6	Part Nursery cost for raising 3000 seedlings per ha (including 20% casuality replacement) in polybag of size 12.50 x 25.00 cm (Wages Rs. 8.80 and M & S Rs. 1.76 per	105.14	31958.35	6388.71	38347.06
7	Cost of agave suckers (420 per ha) Rs. 25 per 100 suckers (or cost of prosopis, chilar etc seed for sowing on CCT)	1.68	510.65	383.14	893.79
	TOTAL :	**403.89**	**122766.40**	**7149.35**	**129915.75**
	Contingancy 3%				3897.47
	Labour welfare 4%				5196.63
	GRAND TOTAL :	**403.89**	**122766.40**	**7149.35**	**139009.86**

DAILY WAGE RATE 334.36

Sr. No.	Particulars of works	For 1.00 Ha. Man days	Wages	Material Supply	Total
1	2	3	4	5	6
B	**First Year Operation**				
1	Part Nursary cost for maintainance of 3000 seedling per ha Rs. 2.64 per seedling (Wages Rs. 2.20, M & S Rs. 0.44)	26.29	8790.32	1756.90	10547.22
2	Refilling of pits by good quality soil including application of single super phosphate (1.66 MD per 100 pits)	41.50	13875.94	1597.20	15473.14
3	Transport of seedlings from nursery to plaintation site (including loading & unloading) Rs. 1.00 per seedling Wages 0.14 md per 100 seedlings	4.20	1404.31	3993.00	5397.31
4	Digging and transportation of agave suckers from nursery to plantation site and planting.	1.68	561.72	0.00	561.72
5	Planting of 2500 seedlings (1.1 M.D. per 100 seedlings)	27.50	9194.90	0.00	9194.90
6	Causality replacement (20% 500 seedling per ha) (2 M.D. per 100 seedlings)	10.00	3343.60	0.00	3343.60
7	3 weedings and 2 soil workings (3.50 M.D. per 100 seedlings) fertilizer application Rs. 0.45 per seedling	87.50	29256.50	1497.40	30753.90
8	Watch and ward (10 months - 1 watcher per 10 ha)	30.00	10030.80	0.00	10030.80
9	Fire tracing	2.00	668.72	0.00	668.72
10	Part Nursary cost for casuality replacement in SYO (500 seedlings per ha.) (wages Rs. 8.80 and material supply Rs. 1.76 total Rs. 10.56 per seedlings)	17.52	5857.99	1171.25	7029.24
11	Special technical works	0.00	4925.00	0.00	4925.00
	TOTAL :	**248.19**	**87909.81**	**10015.75**	**97925.56**
	Contingancy 3%				2937.77
	Labour welfare 4%				3917.02
	GRAND TOTAL :	**248.19**	**87909.81**	**10015.75**	**104780.35**

DAILY WAGE RATE 339.79

Sr. No.	Particulars of works	For 1.00 Ha.			
		Man days	Wages	Material Supply	Total
1	2	3	4	5	6
C	**Second Year Operation**				
1	Part nursery cost for seedlings for causality replacement (500 seedlings per ha.)	4.38	1488.28	297.00	1785.28
2	Transportation of seedlings for causality replacement from nursery to plantation site (including loading and unloading) wages 0.14 M.D. per 100 Seedling	0.70	237.85	0.00	237.85
3	Casualty replacement (500 seedling per ha) 2 M.D. per 100 seedling	10.00	3397.90	676.00	4073.90
4	2 weedings abd 1 soil working, with fertilizer application at Rs. 0.45 per seedling	62.50	21236.88	1522.00	22758.88
5	Fire tracing	2.00	679.58	0.00	679.58
6	Watch and ward 12 month-1 watcher per 10.00 ha.	36.50	12402.34	0.00	12402.34
	TOTAL :	**116.08**	**39442.82**	**2495.00**	**41937.82**
	Contingancy 3%				1258.13
	Labour welfare 4%				1677.51
	Special technical works				3700.00
	GRAND TOTAL :	**116.08**	**39442.82**	**2495.00**	**48573.47**

DAILY WAGE RATE 404.56

Sr. No.	Particulars of works	For 1.00 Ha.			
		Man days	Wages	Material Supply	Total
1	2	3	4	5	6
D	**Third Year Operation**				
1	1 weeding and 1 soil working (1.50 M.D. per 100 seedlings)	37.50	15171.00	0.00	15171.00
2	Fire tracing	2.00	809.12	0.00	809.12
3	Watch and ward 12 months 1 watcher per 10.00 ha	36.50	14766.44	0.00	14766.44
	TOTAL :	**76.00**	**30746.56**	**0.00**	**30746.56**
	Contingancy 3%				922.40
	Labour welfare 4%				1229.86
	GRAND TOTAL :	**76.00**	**30746.56**	**0.00**	**32898.82**

DAILY WAGE RATE 445.05

Sr. No.	Particulars of works	For 1.00 Ha.			
		Man days	Wages	Material Supply	Total
1	2	3	4	5	6
E	**Fourth Year Operation**				
1	Fire tracing	2.00	890.10	0.00	890.10
2	Watch and ward 12 months - 1 watcher per 10.00 ha.	36.50	16244.33	0.00	16244.33
	TOTAL :	**38.50**	**17134.43**	**0.00**	**17134.43**
	Contingancy 3%				514.03
	Labour Welfare 4%				685.38
	GRAND TOTAL :	**38.50**	**17134.43**	**0.00**	**18333.83**

DAILY WAGE RATE 489.55

Sr. No.	Particulars of works	For 1.00 Ha.			
		Man days	Wages	Material Supply	Total
1	2	3	4	5	6
F	**Fifth Year Operation**				
1	Fire tracing	2.00	979.10	0.00	979.10
2	Watch and ward 12 months - 1 watcher per 10.00 ha.	36.50	17868.58	0.00	17868.58
	TOTAL :	**38.50**	**18847.68**	**0.00**	**18847.68**
	Contingancy 3%				565.43
	Labour welfare 4%				753.91
	GRAND TOTAL :	**38.50**	**18847.68**	**0.00**	**20167.01**

DAILY WAGE RATE 538.51

Sr. No.	Particulars of works	For 1.00 Ha.			
		Man days	Wages	Material Supply	Total
1	2	3	4	5	6
G	**Six Year Operation**				
1	Fire tracing				
2	Watch and ward 12 months - 1 watcher per 10.00 ha.	2.00	1077.02	0.00	1077.02
		36.50	19655.62	0.00	19655.62
	TOTAL :	**38.50**	**20732.64**	**0.00**	**20732.64**
	Contingancy 3%				621.98
	Labour welfare (medi. & water) 4%				829.31
	GRAND TOTAL :	**38.50**	**20732.64**	**0.00**	**22183.92**

DAILY WAGE RATE 592.37

Sr. No.	Particulars of works	For 1.00 Ha.			
		Man days	Wages	Material Supply	Total
1	2	3	4	5	6
H	**Seventh Year Operation**				
1	Fire tracing				
2	Watch and ward 12 months - 1 watcher per 10.00 ha.	2.00	1184.74	0.00	1184.74
		36.50	21621.51	0.00	21621.51
	TOTAL :	**38.50**	**22806.25**	**0.00**	**22806.25**
	Contingancy 3%				684.19
	Labour welfare 4%				912.25
	GRAND TOTAL :	**38.50**	**22806.25**	**0.00**	**24402.68**

ABSTRACT

Sr. No.	Particulars of works	For 1.00 Ha.			
		Man days	Wages	Material Supply	Total
1	2	3	4	5	7
1	PPO Works	403.89	122766.40	7149.35	139009.86
2	First Year Operation Works	248.19	87909.81	10015.75	104780.35
3	Second Year Operation Works	116.08	39442.82	2495.00	48573.47
4	Third Year Operation Works	76.00	30746.56	0.00	32898.82
5	Fourth Year Operation Works	38.50	17134.43	0.00	18333.83
6	Fifth Year Operation Works	38.50	18847.68	0.00	20167.01
7	Sixth Year Operation Works	38.50	20732.64	0.00	22183.92
8	Seventh Year Operation Works	38.50	22806.25	0.00	24402.68
	GRAND TOTAL :	**998.16**	**360386.58**	**19660.10**	**410349.94**