RATE STRUCTURE FOR COMPENSATORY AFFORESTATION ON WORKS IN ZONE II & III HEAVY RAIN FALL

60

C.N. ~~500 Jamgiri~~ 4

Range- ~~Chamorshi~~ Pirmilli

Beat- ~~Jamgiri~~ Bussewada

Year-Rains 2018

Round ~~Jamgiri~~ Aurepalli

Village- ~~jamgiri~~ Bussewada

Area - 39.00 Ha.

Wages Rate @ 319.73

S. No.	Particulars of Works	Mandays	Wages	Material Supply	Total	For 39.000 Hectors Wages	Material Supply	Total
1	2	3	4	5	6	7	8	9
	P.P.O. + P.Y.O. WORKS							
1	Survey &Demarcation	0.50	159.865	0.00	159.865	6234.735	0.00	6234.735
2	Preparation of treatment map including laying of grids at (100m X 50m) & digging of trial pits (20cm X 20cm X 60cm)	0.40	127.892	0.00	127.892	4987.788	0.00	4987.788
3	digging of trench of size 0.45cm X 0.10m to demacate one boundary and ranging the mount neatly	2.25	719.3925	0.00	719.3925	28056.3075	0.00	28056.3075
4	#NAME?	3.50	1119.055	0.00	1119.055	43643.145	0.00	43643.145
5	preparing T.C.M. or dry rubble wall fencing where T.C.M. is not possible along the pariphery (size 1.90m X 0.60m X 1m) /2 (for 150 running mether length) .	77.00	24619.21	0.00	24619.21	960149.19	0.00	960149.19
6	Alignment of pits (400 pits)	0.72	230.2056	0.64	230.85	9002.98	24.96	9027.94
7	Digging of 400 pits of size 45cm X 45cm X 45cm .	26.40	8440.87	0.00	8440.87	329194.01	0.00	329194.01
8	Nursary cost of 300 agave suckers	1.20	383.676	0.00	383.68	14963.36	0.00	14963.36
9	Part nurasary cost of raising of 480 seedlings (up to period 31st) (polythene bag size 12.50cm X 25cm X 200 guage)	7.52	2404.37	39.80	2444.17	93770.41	1552.20	95322.61
10	Administrative Charges	0.00	0.00	365.00	365.00	0.00	14235.00	14235.00
	Total	119.49	38204.5377	405.44	38609.9777	1490001.93	15812.16	1505814.09
	contagency 2%	2.39	764.1547	8.11	772.2647	29802.0333	316.29	30118.3233
	Labour welfare (medi.& water) 4%	4.78	1528.3094	16.22	1544.5294	59604.0666	632.58	60236.6466
	GRAND TOTAL	126.66	40497.0018	429.77	40926.7718	1579408.03	16761.03	1596169.06
	First Year Operation							
1	Half refilling of 400 pits of 45 cm 3 size with excavated soil after removing stones etc. (1.66MD / 100 pts)/2	3.32	1061.50	0.00	1061.50	41398.64	0.00	41398.64
2	Transportation of 480 polypot seeding for planting from nursery to planting site 0.20 p/bag (Operational rate to be fixed by condemed C.F).	0.53	169.46	0.00	169.46	6608.82	0.00	6608.82
3	Planting of 400 polypot seeding in pits including transportation within plantation area.	6.80	2174.16	0.00	2174.16	84792.40	0.00	84792.40
4	Planting of agave on T.C.M. including transportation for 10	0.40	127.89	72.00	199.89	4987.79	2808.00	7795.79
5	Replacement of casualty with 80 polypot seeding	1.60	511.57	0.00	511.57	19951.15	0.00	19951.15
6	Three weedings including soil working of 400 plants	14.00	4476.22	0.00	4476.22	174572.58	0.00	174572.58
7	Watch and ward for 9 month, he will do resowing of seeds & carry out porka cutting and protection work	10.80	3453.08	0.00	3453.08	134670.28	0.00	134670.28
8	Fire tracing (3cm wide fireline cutting and burning) 100 M	1.00	319.73	0.00	319.73	12469.47	0.00	12469.47
9	Part nursary cost of 480 seedlings April to june	1.88	601.09	0.00	601.09	23442.60	0.00	23442.60
	TOTAL	40.33	12894.71	72.00	12966.71	502893.73	2808.00	505701.73
	Epuipment 1%	0.40	127.25	0.00	127.25	4962.85	0.00	4962.85
	Contingancy 2%	0.80	254.51	0.00	254.51	9925.70	0.00	9925.70
	Labour welfare (medi.& water) 4%	1.59	508.37	0.00	508.37	19826.46	0.00	19826.46
	GRAND TOTAL	43.11	13784.84	72.00	13856.84	537608.73	2808.00	540416.73
	Second Year Operation							
1	Part nursery cost of 80 seedling for casulity replacement	1.25	399.66	0.00	399.66	15586.84	0.00	15586.84
2	Transportation of 80 for casualty replacement from nursery to planting site 0.20 p/bag (oprational rate will be fixed by C.F.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Casualty replacement of 80 polypot seedings	1.60	511.57	0.00	511.57	19951.15	0.00	19951.15
4	Two weedings including soil working for 400 seedings	9.60	3069.41	0.00	3069.41	119706.91	0.00	119706.91
5	Watch and ward for 12 month, he well do resowing of seeds & porka cutting and protection work	14.60	4668.06	0.00	4668.06	182054.26	0.00	182054.26
6	Fire tracing (3m wide fireline cutting and buming)	1.00	319.73	0.00	319.73	12469.47	0.00	12469.47
	Total -	28.05	8968.43	0.00	8968.43	349768.63	0.00	349768.63
	Epuipment 1%	0.28	89.52	0.00	89.52	3491.45	0.00	3491.45
	Contingancy 2%	0.56	179.05	0.00	179.05	6982.90	0.00	6982.90
	Labour wlfare (medi. & water) 4%	1.12	358.10	0.00	358.10	13965.81	0.00	13965.81
	Grand Total -	30.01	9595.10	0.00	9595.10	374208.79	0.00	374208.79
	Third Year Operation							
1	Weeding including soil working for 400 seeding	2.00	639.46	0.00	639.46	24938.94	0.00	24938.94
2	Watch and ward for 12 month, he well do resowing of seeds & porka cutting and protection work	14.60	4668.058	0.00	4668.058	182054.262	0.00	182054.262

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1	2	3	4	5	6	7	8	9
3	Fire tracing (3m wide fireline cutting and burning)	1.00	319.73	0.00	319.73	12469.47	0.00	12469.47
4	Nurasary cost for reising (1100+200)=1300 talls seedlings for whole year (1100 seedlings will be planted in fifth year operation nursary estimate will be supplied seprately)	27.05	8648.70	1002.00	9650.70	337299.16	39078.00	376377.16
	Total -	44.65	14275.94	1002.00	15277.94	556761.84	39078.00	595839.84
	Epuipment 1%	0.45	143.8785	0.00	143.8785	5611.26	0.00	5611.26
	Contingancy 2%	0.89	284.5597	20.04	304.5997	11097.83	781.56	11879.39
	Labour welfare (medi. & water) 7%	1.79	572.3167	40.08	612.3967	22320.35	1563.12	23883.47
	Grand Total -	47.78	15276.70	1062.12	16338.82	595791.28	41422.68	637213.96
	Fourth Year Operation							
1	Watch and ward for 12 month, he well do resowing of seeds & porka cutting and protection work	14.60	4668.06	0.00	4668.06	182054.26	0.00	182054.26
2	Fire tracing (3m wide fireline cutting and burning)	1.00	319.73	0.00	319.73	12469.47	0.00	12469.47
	As per Government of India Guidline PPO/PYO work in 4th year operation for planting 1100							
3	Survey &Demarcation	0.50	159.87	0.00	159.87	6234.74	0.00	6234.74
4	Preparation of treatment map including laying of grids at (100m X 50m) & digging of trial pits (20cm X 20cm X 60cm)	0.40	127.89	0.00	127.89	4987.79	0.00	4987.79
5	digging of trench of size 0.45cm X 0.10m to demacate one boundary and ranging the mount neatly	2.25	719.39	0.00	719.39	28056.31	0.00	28056.31
6	Alignment of pits at 3 meter X 3 meter spacement for 1100 mt	1.98	633.07	4.50	637.57	24689.55	175.50	24865.05
7	Digging of 1100 pits of size 45cm X 45cm X 45cm	72.60	23212.40	0.00	23212.40	905283.52	0.00	905283.52
8	Nursary cost of 300 agave suckers	1.20	383.68	0.00	383.68	14963.36	0.00	14963.36
	Total -	94.53	30224.08	4.50	30228.58	1178739.00	175.50	1178914.50
	Epuipment 1%	0.95	303.74	0.05	303.79	11846.00	1.95	11847.95
	Contingancy 2%	1.89	604.29	0.09	604.38	23567.30	3.51	23570.81
	Total -	97.37	31132.11	4.64	31136.75	1214152.29	180.96	1214333.25
9	Nurasary cost for reising (1100+200)=1300 talls seedlings for whole year (seedlings will be planted in fifth year operation estimate for seedling seprately Nursary cost for complete whole year)	180.31	57650.52	7886.00	65536.52	2248370.14	307554.00	2555924.14
	Grand Total -	277.68	88783	7890.64	96673.27	3462522	307734.96	3770257.39
	Fifth Year Operation							
1	Watch and ward for 12 month, he will do resowing of seeds & porka cutting and protection work	14.60	4668.06	0.00	4668.06	182054.26	0.00	182054.26
2	Fire tracing (3m wide fireline cutting and burning)	1.00	319.73	0.00	319.73	12469.47	0.00	12469.47
	First Year Operation for 1100 plants per hector							
3	part nursary cost of 1320 seedlings(1100+220) including shifting of seedlings watering and equal interval cost from (April to June)	57.89	18509.17	0.00	18509.17	721857.62	0.00	721857.62
4	Transportation of 1320 seedlings for planting from nursury to planting side @Rs 20/- per 100 polypots (by sanction Quatation)	2.00	639.46	0.00	639.46	24938.94	0.00	24938.94
5	Half refiling of 1100 pits of 45 cm X 3 size with excavated soil after removing stones etc.	9.13	2919.13	0.00	2919.13	113846.26	0.00	113846.26
6	Planting of 1100 polypot seeding in pits including transportation within plantation area @ 1.25MD/100 plants	13.75	4396.29	0.00	4396.29	171455.21	0.00	171455.21
7	Replacement of 20% casualty with polypot seedings(220 seedlings	4.40	1406.81	0.00	1406.81	54865.67	0.00	54865.67
8	three Weeding including soil working manuaring and mulching of 1100 plants.	38.50	12309.61	0.00	12309.61	480074.60	0.00	480074.60
9	Administrative costs (lumpsum)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total -	141.27	45168.26	0.00	45168.26	1761562.03	0.00	1761562.03
	Epuipment 1%	1.39	444.42	0.00	444.42	17332.56	0.00	17332.56
	Contingancy 2%	2.79	892.05	0.00	892.05	34789.82	0.00	34789.82
	Labour welfare (medi. & water) 4%	5.57	1780.90	0.00	1780.90	69454.95	0.00	69454.95
	Grand Total -	151.02	48285.62	0.00	48285.62	1883139.36	0.00	1883139.36
	Sixth Year Operation							
1	Watch and ward for 12 month, he will do resowing of seeds & porka cutting and protection work	14.60	4668.06	0.00	4668.06	182054.26	0.00	182054.26
2	Fire tracing (3m wide fireline cutting and burning)	1.00	319.73	0.00	319.73	12469.47	0	12469.47
	As per Government of India Guidline PPO/PYO work in 1st year operation for planting 1100							
	2nd Year Operation for 1100 plants per hector							
3	Part nursery cost of (220) plants	9.80	3133.35	0.00	3133.35	122200.81	0.00	122200.81
4	Transportation of 220 seedlings for casualty replacement from nursery to planting site @ 20 / per bag operated will be fixed by C.F.)	0.26	83.13	0.00	83.13	3242.06	0.00	3242.06
5	Casualty replacement of 220 polypot seedings.	4.40	1406.81	0.00	1406.81	54866	0.00	54865.67
6	Two Weeding including soil working for 1100 plants.	25.66	8204.27	0.00	8204.27	319966.60	0.00	319966.60
	Total -	55.72	17815.36	0.00	17815.36	694798.87	0.00	694798.87
	Epuipment 1%	0.55	175.85	0.00	175.85	6858.21	0.00	6858.21

1	2	3	4	5	6	7	8	9
	Contingancy 2%	1.11	354.90	0.00	354.90	13841.11	0.00	13841.11
	Labour welfare (medi. & water) 4%	2.22	709.80	0.00	709.80	27682.22	0.00	27682.22
	Grand Total -	**59.60**	**19055.91**	**0.00**	**19055.91**	**743180.41**	**0.00**	**743180.41**
	Seventh Year Operation							
1	Watch and ward for 12 month, he well do resowing of seeds & porka cutting and protection work	14.60	4668.06	0.00	4668.06	182054.26	0.00	182054.26
2	Fire tracing (3m width)	1.00	319.73	0.00	319.73	12469.47	0.00	12469.47
	3rd Year Operation for 1100 plants per hector							
3	One Weeding including soil working and mulching for 1100 plants.	12.76	4079.75	0.00	4079.75	159110.44	0.00	159110.44
	Total -	28.36	9067.54	0.00	9067.54	353634.17	0.00	353634.17
	Epuipment 1%	0.28	89.52	0.00	89.52	3491.45	0.00	3491.45
	Contingancy 2%	0.57	182.25	0.00	182.25	7107.60	0.00	7107.60
	Labour welfare (medi. & water) 4%	1.13	361.29	0.00	361.29	14090.50	0.00	14090.50
	Grand Total -	**30.34**	**9700.61**	**0.00**	**9700.61**	**378323.72**	**0.00**	**378323.72**
	Eight Year Operation							
1	Watch and ward for 12 month, he well do resowing of seeds & porka cutting and protection work	14.60	4668.06	0.00	4668.06	182054.26	0.00	182054.26
2	Fire tracing (3m wide fireline cutting and burning)	1.00	319.73	0.00	319.73	12469.47	0.00	12469.47
	Total -	**15.60**	**4987.79**	**0.00**	**4987.79**	**194523.73**	**0.00**	**194523.73**
	Epuipment 1%	0.16	51.16	0.00	51.16	1995.12	0.00	1995.12
	Contingancy 2%	0.31	99.12	0.00	99.12	3865.54	0.00	3865.54
	Labour welfare (medi. & water) 4%	0.62	198.23	0.00	198.23	7731.07	0.00	7731.07
	Grand Total -	**16.69**	**5336.29**	**0.00**	**5336.29**	**208115.45**	**0.00**	**208115.45**
	Ninth Year Operation							
1	Watch and ward for 12 month, he well do resowing of seeds & porka cutting and protection work	14.60	4668.06	0.00	4668.06	182054.26	0.00	182054.26
2	Fire tracing (3m wide fireline cutting and burning)	1.00	319.73	0.00	319.73	12469.47	0.00	12469.47
	Total -	**15.60**	**4987.79**	**0.00**	**4987.79**	**194523.73**	**0.00**	**194523.73**
	Epuipment 1%	0.16	51.16	0.00	51.16	1995.12	0.00	1995.12
	Contingancy 2%	0.31	99.12	0.00	99.12	3865.54	0.00	3865.54
	Labour welfare (medi. & water) 4%	0.62	198.23	0.00	198.23	7731.07	0.00	7731.07
	Grand Total -	**16.69**	**5336.29**	**0.00**	**5336.29**	**208115.45**	**0.00**	**208115.45**
	Tenth Year Operation							
1	Watch and ward for 12 month, he well do resowing of seeds & porka cutting and protection work	14.60	4668.06	0.00	4668.06	182054.26	0.00	182054.26
2	Fire tracing (3m wide fireline cutting and burning)	1.00	39.00	0.00	39.00	1521.00	0.00	1521.00
	Total -	**15.60**	**4707.06**	**0.00**	**4707.06**	**183575.26**	**0.00**	**183575.26**
	Epuipment 1%	0.16	51.16	0.00	51.16	1995.12	0.00	1995.12
	Contingancy 2%	0.31	99.12	0.00	99.12	3865.54	0.00	3865.54
	Labour welfare (medi. & water) 4%	0.62	198.23	0.00	198.23	7731.07	0.00	7731.07
	Grand Total -	**16.69**	**5336.2937**	**0.00**	**5336.29**	**208115.45**	**0.00**	**208115.45**