

Regeneration Scheme (Raising of Medicinal plants in 46 Mtr width strip-Espacement 2x2 Mt.) in the effected area is 2.0401 Ha. identified in Compt. No. 401 of Gannegutta RF of Ibrahimpatnam Beat & Section of Metpally Range of Jagtial District in lieu of construction of 400 KV QMDC Line from STPP Jaipuram in Adilabad District to 40 KVSS Nirmal in Nirmal District under Nirmal Power Transmission Scheme

Sl. No	Item of Work	Phy	Unit Cost 2018-19 (Rs.)	2019 - 20			2020 - 21			2021 - 22			2022 - 23		
				Phy	Unit Cost	Fin (Rs.in	Phy	Unit Cost	Fin (Rs.in	Phy	Unit Cost	Fin (Rs.in	Phy	Unit Cost	Fin (Rs.in
1	2			9	10	11	12	13	14	15	16	17	18	19	20
	Effected area - 2.0401 Ha. Planting to be taken up 2500 Plants/Ha. (Forest area 2.0401 ha x 2500 plants = 5100 (Replacement of Casualties 10% Raising (510) and 10% 1st year Maint. (510). Total Plants.6120														
I	Planting activities (LIM) in 2.0401 ha														
1	Cost of purchase of tall plants	Nos.	100	4896	110	5.386	420	121	0.508						
2	Raising of Plantation	Ha	269034	4.0802	295937	12.075									
3	1st Year Maintenance	Ha	206268				4.0802	249584	10.184						
4	2nd Year Maintenance	Ha	80160							4.0802	106693	4.353			
5	3rd Year Maintenance	Ha	12700										4.0802	18594	0.759
6	4th Year Maintenance	Ha	12700												
7	5th Year Maintenance	Ha	7403												
8	6th Year Maintenance	Ha	1445												
9	7th Year Maintenance	Ha	6270												
10	8th Year Maintenance	Ha	1445												
11	9th Year Maintenance	Ha	6270												
12	10th Year Maintenance	Ha	1445												
Plantation Total:						17.460			10.692			4.353			0.759
IV	Administrative Cost - 10%					1.746			1.069			0.435			0.076
Grand Total						19.206			11.761			4.789			0.835

Sl. No	Item of Work	2023 - 24			2024 - 25			2025 - 26			2026 - 27		
		Phy	Unit Cost	Fin (Rs.in	Phy	Unit Cost	Fin (Rs.in	Phy	Unit Cost	Fin (Rs.in	Phy	Unit Cost	Fin (Rs.in
1	2	21	22	23	24	25	26	27	28	29	30	31	32
	Effectuated area - 2.0401 Ha. Planting to be t Plants/Ha. (Forest area 2.0401 ha x 2500 (Replacement of Casualties 10% Raising year Maint. (510). Total Plants.6120												
I	Planting activities (LIM) in 2.0401												
1	Cost of purchase of tall plants												
2	Raising of Plantation												
3	1st Year Maintenance												
4	2nd Year Maintenance												
5	3rd Year Maintenance												
6	4th Year Maintenance	4.0802	20454	0.835									
7	5th Year Maintenance				4.0802	13115	0.535						
8	6th Year Maintenance							4.0802	2816	0.115			
9	7th Year Maintenance										4.0802	13441	0.548
10	8th Year Maintenance												
11	9th Year Maintenance												
12	10th Year Maintenance												
Plantation Total:				0.835			0.535			0.115			0.548
IV	Administrative Cost - 10%			0.083			0.054			0.011			0.055
	Grand Total			0.918			0.589			0.126			0.603

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Sl. No	Item of Work	2027 - 28			2028 - 29			2029 - 30			Grand Total		
		Phy	Unit Cost	Fin (Rs.in	Phy	Unit Cost	Fin (Rs.in	Phy	Unit Cost	Fin (Rs.in	Phy		Fin
1	2	33	34	35	36	37	38	39	40	41	51		52
	Effected area - 2.0401 Ha. Planting to be t Plants/Ha. (Forest area 2.0401 ha x 2500 (Replacement of Casualties 10% Raising year Maint. (510). Total Plants.6120												
I	Planting activities (LIM) in 2.0401												
1	Cost of purchase of tall plants										5316		5.894
2	Raising of Plantation										4.0802		12.075
3	1st Year Maintenance										4.0802		10.184
4	2nd Year Maintenance										4.0802		4.353
5	3rd Year Maintenance										4.0802		0.759
6	4th Year Maintenance										4.0802		0.835
7	5th Year Maintenance										4.0802		0.535
8	6th Year Maintenance										4.0802		0.115
9	7th Year Maintenance										4.0802		0.548
10	8th Year Maintenance	4.0802	3408	0.139							4.0802		0.139
11	9th Year Maintenance				4.0802	16264	0.664				4.0802		0.664
12	10th Year Maintenance							4.0802	4124	0.168	4.0802		0.168
Plantation Total:				0.139			0.664			0.168			36.268
IV	Administrative Cost - 10%			0.014			0.066			0.017			3.627
Grand Total				0.153			0.730			0.185			39.895

District Forest Officer,
Jagtial.

Raising of Medicinal Plantations - 1000 Plants/Ha

Unit area 1.00 Ha.

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.01.00					
02.01.01	Survey with hand-held GPS and demarcation - one manday is allowed for assistance.	1	339.66	Plantation	340
02.15.02	Alignment and Staking including cost of 45 cm long stakes	1000	66.04	100 Nos.	660
02.01.07	Digging of pits to be done manually or by machine by calling tenders and an inspection report regarding the correctness of the pit shall be submitted by FRO to DFO /FDO concerned.				
	a) During June - July				
	ii) 45 cm3 size in hard gravelly and moram Soil (Manual)	1000	18.53	Per pit	18530
02.02.01	Transportation of Planting Stock (including loading and unloading) up to distance of 5 km				
	(B) 15 X 30 cm (6"X12") bag plants	1100	106.47	100 Nos.	1171
02.15.05	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance				
	(B) 15 X 30 cm (6"X12") bag plants	1100	74.40	100 Nos. /	818
02.15.06	Transportation of Planting Stock (including loading and unloading) more than 25 km distance and for every extra km (with prior written permission of the Circle Head)				
	(B) 15 X 30 cm (6"X12") bag plants	1100	46.50	100 Nos. / Km	512
02.15.07	Internal transportation within the linear distance of plantation site				
	(B) 15 X 30 cm (6"X12") bag plants	1000	83.27	100 Nos.	833
02.15.08	Cost of superphosphate and chloridine dust		As per Actuals		3000
02.15.10	Cost of supporting stake of 2.5 mtr long, sturdy and straight and minimum 10 cm girth at the base (if bamboos are not supplied by Dept).	1000	1500.00	100 Nos.	15000
02.15.11	Refilling the pits with dug-up soil, planting, forming saucer with a radius of 0.50 m radius around the plant and provide support to the plants which should go 18" inside pit along with plant at the time of planting	1000	1456.00	100 Nos.	14560
02.15.12	Cost and application of 1/2 cft FYM per plant - 1 month after planting	1000	1800.00	100 Nos.	18000
02.15.15	Watering				
	For the plantation raised in June - July				
	One watering on the day of planting : 1 watering				
	June - two watering on non rainy days : 2 Waterings				
	July to September - One watering per month on non-rainy				
	October to December - once in 15 days: 6 waterings				
	January to March - 4 waterings per month: 12 waterings				
	Total waterings upto March: 24 waterings	1000	650.00	100 Nos.	156000

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.15.18	Application of inorganic fertilizers like 25 gms of urea (2 month after planting) and 50 gms of DAP (4 months after planting). Fertilizer application shall be made by making 3 holes of 10 cm depth with crow bar at a distance of 20 cm away from plant and putting fertilizer and closing. This work needs to be monitored by Plantation-in-charge Officer at the time of application and needs to be entered in Plantation Journal.	1000	199.96	100 Nos.	2000
02.15.19	Cost of above inorganic fertilizers		As per Actuals		1000
02.15.20	Weeding and forming of saucer (two times - 1st in January / July & 2nd in September)	1000	415.25	100 Nos.	4153
02.02.15	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)				
	(b) For hard gravelly soil	1000	595.23	100 Nos.	5952
02.15.21 (i)	Replacement of casualties (10% - since watering provision is provided) including opening of pit, internal transportation, planting and refixing the fence (For plantations with brushwood fencing)	1000	2221.03	100 Nos.	22210
02.02.20	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-in-charge that fence is in proper condition and entry of grazing animals is stopped and site is not affected with fire. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year	1	4170.00	Ha	4170
02.02.27	CONTINGENCIES: Plantation Boards, buckets and other expenses (as per actuals subject to maximum of 3% of the total estimate)				125
			Total		269034
		Unit Rate for 2018-19			269034

2019-20

295938


 District Forest Officer,
 Jagtial

1st year maintenance of Medicinal Plantation - 1000 Plants/Ha

1000

Unit area 1.00 Ha.

FSR Item No.	Description	Quantity	Rate (Rs.)	Per	Amount (Rs.)
02.16.01	Cost of supporting stake of 2.5 mtr long, sturdy and straight and minimum 10 cm girth at the base (if bamboos are not supplied by Dept) for the Casualties replaced, ie upto 10% maximum	100	1500	100 Nos.	1500
02.16.02 (i)	Replacement of casualties (10% - since watering provision is provided) including opening of pit, internal transportation, planting and refixing the fence (For plantations with brushwood fencing)	100	2221.03	100 Nos.	2221
02.03.01	Transportation of Planting Stock (including loading and unloading) up to distance of 5 km				
	(B) 15 X 30 cm (6"X12") bag plants	100	106.47	100 Nos.	106
02.15.05	Transportation of Planting Stock (including loading and unloading) more than 5 km distance and upto 25 km distance				
	(B) 15 X 30 cm (6"X12") bag plants	100	74.40	100 Nos. / Km	74
02.15.06	Transportation of Planting Stock (including loading and unloading) more than 25 km distance and for every extra km (with prior written permission of the Circle Head)				
	(B) 15 X 30 cm (6"X12") bag plants	100	46.50	100 Nos. / Km	47
02.16.04	2 Circular Weedings and formation of saucers to a radius of 0.5 m around the plant (1st in June- July and 2nd in Sept-Oct)	1000	415.25	100 Nos.	8305
02.16.05	Pruning of lower branch initials upto 1/3 rd height (to be done in October).	1000	112.68	100 Nos.	1127
02.16.06	Watering				
02.16.06 (i)	For the plantation raised in June - July				
	April to June - 4 waterings / month: 12 waterings				
	Oct. to Dec. - 2 waterings / month: 6 waterings				
	Jan. to March - 3 waterings / month: 9 waterings				
	Total from April to March: 27 waterings	1000	650.00	100 Nos.	175500
02.16.07	Cost of above inorganic fertilizers		As per actual		3000
02.04.01	1st circular weeding to a radius of 0.50 m around the plant during July - Aug.	1000	113.34	100 Nos.	1133
02.04.02	2 nd circular weeding to a radius of 0.50 m around the plant 90 days after planting (i.e. Sept - Oct)	1000	113.34	100 Nos.	1133
02.04.03	Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec)				
	(b) For hard gravelly soil	1000	595.23	100 Nos.	5952
02.16.08	Application of inorganic fertilizers like 200 gms of DAP per plant in the month of split doses (in the month of July and October @ 100 gm / time per plant)	1000	199.96	100 Nos.	2000
02.02.20	Cost of Protection: One Watcher is allowed for 10-30 ha. plantation; One more Watcher for more than 30 ha; and if the area is less than 10 ha, prior approval of Conservator of Forests is required. Identity Photo of Watchers with address shall be pasted in respective Plantation Journal. Every month payment to be made after satisfaction by Plantation-in-charge that fence is in proper condition and entry of grazing animals is stopped and site is not affected with fire. The guiding principle for continuation of the services of a Plantation Watcher is at least 80% survival at the end of raising year	1	4170.00	Ha	4170
			Total		206268
			Unit Rate for 2018 -19		206268

2019-20

226895

2020-21

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District Forest Officer,
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