

**SCHEME FOR FENCING AND REGENERATION OF SAFETY ZONE AREA AND AFFORESTATION IN SAFETY ZONE AREA IN FAVOUR OF
M/s VENKATESWARA ROCKS, CHITTOOR IN CHITTOOR EAST (WL) DIVISION**

ABSTRACT CUM YEAR WISE ACTION PLAN

Sl No	Description of the work	2019-20		2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		Total	
		Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	21	22	23	24	17	18
I	FENCING- SAFETY ZONE AREA																				
a	Fencing of Safety zone area of 0.67 Ha (7.5 Mt width all round the mining area 887x1.5 mt. =1330.50)	887	6.050																		6.050
II	Regeneration of Safety Zone Area																				
b	Regeneration of Safety Zone Area of 0.67 Ha	0.67	0.486																		0.486
III	Afforestation in lieu of Safety Zone area (Enrichment Plantation) 1.5 times of Safety Zone Area																				
c	Raising of nursery	900	0.153	200	0.037	200	0.040														0.231
d	Maintenance of nursery			900	0.056	200	0.014	200	0.015												0.084
e	Advance operations	1.00	0.534																		0.534
f	Raising Plantations			1.00	0.300																0.300
g	1st year Maint.					1.00	0.273														0.273
h	2nd year Maint.							1.00	0.294												0.294
i	3rd year Maint.									1.00	0.240										0.240
j	4th year Maint.											1.00	0.256								0.256
k	5th year Maint.													1.00	0.272						0.272
l	6th year Maint.															1.00	0.288				0.288
m	7th year Maint.																	1.00	0.320		0.320
	Sub Total		0.687		0.393		0.327		0.309		0.240		0.256		0.272		0.288		0.320		3.092
	Overheads including Office expenses		0.108		0.104		0.019		0.019		0.023		0.026		0.017		0.010		0.007		0.333
	TOTAL :		7.331	1 Ha.	0.497	1 Ha.	0.346	1 Ha.	0.328	1 Ha.	0.263	1 Ha.	0.282	1 Ha.	0.289	1 Ha.	0.298	1 Ha.	0.327		9.960

(1.00)
Forest Range Officer,
Karvetinagar

(1.00)
Divisional Forest Officer,
Chittoor East (WL) Division,
Chittoor.

**STATEMENT SHOWING WITH 10% ESCALATION EVERY YEAR ON THE BASIC RATE OF FSR 2018-19 FOR LABOUR
INSENTIVE METHOD PLANTATION**

Sl No	COMPONENT	Unit Cost			Add 10% Esallation every year on the basic rate								
		Unit	Basic Year FSR Rate (2018-19)	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	
1	2	3	4	5	6	7	8	9	10	11	12	13	
I	Advance Operations	1 Ha.	48500	53350									
	Raising of Plantations	1 Ha.	25000	27500	30000								
	1st year maint. of Plantation	1 Ha.	21000	23100	25200	27300							
	2nd year Maint.of Plantation	1 Ha.	21000	23100	25200	27300	29400						
	3rd year Maint.of Plantation	1 Ha.	16000	17600	19200	20800	22400	24000					
	4th year Maint.of Plantation	1 Ha.	16000	17600	19200	20800	22400	24000	25600				
	5th year Maint.of Plantation	1 Ha.	16000	17600	19200	20800	22400	24000	25600	27200			
	6th year Maint.of Plantation	1 Ha.	16000	17600	19200	20800	22400	24000	25600	27200	28800		
	7th year Maint.of Plantation	1 Ha.	16000	17600	19200	20800	22400	24000	25600	27200	28800	32000	
II	Raising of 8"x12" size Nursery	1000 Nos	15500	17050	18600	20150	-	-	-	-	-	-	
	Maintenance of Nursery	1000 Nos	5200	5720	6240	6760	7280	-	-	-	-	-	
III	Chain link Fencing around Mining Area for Safety Zone	Rmt	620.06	682.07	-	-	-	-	-	-	-	-	

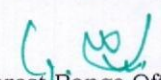

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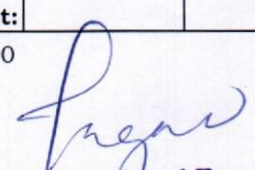

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**DATA FOR ERECTION OF CHAIN LINK MESH AROUND THE SAFETY ZONE AREA PROPOSED
BY M/s. VENKATESWARA ROCKS, CHITTOOR**

Sl. No.	Qty	Description of Work	FSR/SSR Item	Rate	Per	Amount
1	1330.5	Cost of Chain link mesh 8 guage 4"x4"	147 P.23	260.00	Sq.mt	345930
	Sq.Mts	(102 mmx 102 mm) (887 Rmt x 1.50 Mts	CSSR	Sq.mt		
		=1330.5 Sq. mts)	2017-18			
			Building			
		Add GST 12%	Items			41512
2		Transport of Chain link mesh to the site	LS			10000
3	179	Cost of granite monoliths (5 Mt apart)	05.04.002	188.35	No	33715
	Nos	(887/5)+1=190 Nos				
		2.00 x 0.15 x 0.10 Mts size				
4	179	Transport of stone monolights over a distance of 25 Km (approx.)	05.07.004,	11.94	No	2137
	Nos					
5	179	Transport of stone monolights over a distance of	05.04.005,	120.15	No	21507
	Nos					
6	179	Carrying of stone monoliths to the fixing	05.04.007	131.3	No	23503
	Nos	points				
7	28	Support stones (half stones) cost transport	05.04.012	87.52	No	2451
	Nos	distribution and fixint etc., complete				
		(for every 40 Rm and at corners)				
		24+4 corners =28				
8	179	Excavating of 0.30 x 0.30 x 0.45 size pits	FSR	13.01	No	2329
	Nos	5 Mts apart fixing the monoliths, refilling the	05.04.008			
		pits, ramming and making it to stand firmly				
		887 Rmts / 5 Mts apart = 179 Nos				
9	2.42	Sand filling 0.3 x 0.3 x 0.15 cum = 0.0135	SSR	543.76	Cum	1316
	Cum	per pit including transport and labour	2017-18			
		charges for 179 Nos x 0.0135 = 2.42 cum				
10	4.83	Cement concreta bed in CM 1:5:10 fpr	SSR	3500	Cum	16905
	Sqmt	fixing of stone monoliths including cost	2017-18			
		and conveyance of all materials and				
		Complete Labour charges.				
		0.3x0.3x 0.30=0.027 cum 179Nos =4.83				
11	1330.5	Internal Transport of Chain link Mesh	05.04.002	0.72	sqmt	958
	Sq.Mts					
12	1330.5	Stretching of chain link mesh	05.04.003	35.08	10sqmt	46674
	Sqmt					
13	LS	Contingencies				1063
		Total Cost:				550000

Cost of Chain Link Mesh per Rmt 550000/887 Rmt = 620.00


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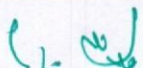

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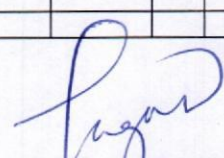
Afforestation in Lieu of Safety Zone Area in Favour of M/s Venkateswara Rocks, Chittoor

Sl. No.	Description of Work	FSR / SSR Item	Quantity		Rate	Per		Amount (Rs.)
1	2	3	4		5	6		7
A	NURSERY RAISING							
1	Raising of Misc. Nursery	01.05.001 to 01.05.022	1000	Nos	15.5	1	Nos	15500
2	Maintainance of Nursery	01.06.001 to 01.06.015	1000	Nos	5.2	1	Nos	5200
	TOTAL							20700
B	ADVANCE OPERATIONS							
	Site Preparation in Light Jungle Growth	02.01.004	1	ha	5732.43	1	Ha	5732
	Alignment of planting points	02.02.004	600	Nos	108.69		100 Nos	652
	Excavathing of 1.00 x 0.50 x 0.25 M trench size. (1000Nos X 0.125 cum each pit)	Special annexure-7,b	600	Cum	27.27	1	cum	16362
	Digging central pit of 45 cum size	02.02.009	600	Nos	20.31	1	Nos	12186
	SMC Works in HG Soils							
	Treanches across Slope	As per GOMs No.	60	Cum	218.20	1	Cum	13092
	Contingencies and other Charges							476
	TOTAL							48500
C	RAISING							
1	Cost of Fertilizers	02.02.029	600	Nos	Ls	1	Ha	600
2	Application of Fertilizers	02.02.030	600	Nos	38.34	100	Nos	230
3	Transport of Bag Plants of 8" x 12" upto 5 Km Lead	02.02.017	600	Nos	250.23	100	Nos	1501
4	Transport of Bag Plants of 8" x 12" beyand 5km upto 30 km	02.02.022	600	Nos	244.75	100	Nos	1469
5	Internal Transport	02.02.027	600	Nos	138.49	100	Nos	831
6	Planting Bag plants	02.02.053	600	Nos	426.63	100	Nos	2560
7	1st Circular Weeding to a radius of 0.5 m. around the plant (where there is no strip weeding done)	02.02.038	600	Nos	121.9	100	No. (Per One Time)	731
8	2nd Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10cm wide but weeding that part of area by hand and formation of saucer In Hard Soil	02.02.040	600	Nos	639.95	100	No. (Per One Time)	3840
9	Fire tracing operations to a width of 3 Rmts	02.02.048	200	Nos	5.94	1	Rmt	1188
10	Replaement of Causalities including transport internal transport and planting 20% 1)Digging of Pits - 150X 11.56=1754.00 2) Transport - 150x250.23=375.0 3) Internal transport - 150x138.49=207.00 4) Planting - 150x426.63=640 Total : 2976.00	Items (3,4, & 5)	150	Nos	1984	100	Nos	2976
11	Watch & ward	Wage Rate	1	Ha	7280	1	No	7280
12	Contingencies & overheads							1794
	TOTAL:							25000

Sl. No.	Description of Work	FSR / SSR Item	Quantity		Rate	Per		Amount (Rs.)
1	2	3	4		5	6		7
D	1st YEAR MAINTENANCE							
1	Cost of Fertilizers	02.02.029	600	Nos	Ls	1	Ha	1000
2	Application of Fertilizers	02.02.030	600	Nos	38.34	100	Nos	230
3	1st Circular Weeding to a radius of 0.5 m. around the plant (where there is no strip weeding done)	02.02.038	600	Nos	121.9	100	No. (Per One Time)	731
4	2nd Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10cm wide but weeding that part of area by hand and formation of saucer In Hard Soil	02.02.040	600	Nos	639.95	100	No. (Per One Time)	3840
5	Cutting of coppice growth	02.02.046	1	ha	951.31	1	Ha	951
6	Replaement of Causalities including transport internal transport and planting 25% 1) Digging of Pits - 150X20.31=3047.00 2) Transport - 150x250.23=375.00 3) Internal transport - 150x138.49=207.00 4) Planting - 150x426.63=640.00 Total : 4269.00	Items (3,4, &5)	150	Nos	2846	100	Nos	4269
7	Fire tracing operations to a width of 3 Rmts	02.02.048	200	Rmt	5.94	1	Rmt	1188
8	Pruning side branches	02.02.049	600	Nos	121.14	100	Nos	727
9	Watch & ward	Wage Rate	1	Ha	7280	1	No	7280
10	Contingencies & overheads							784
	TOTAL							21000
E	2ND YEAR MAINTENANCE							
1	Cost of Fertilizers	02.02.029	600	Nos	Ls	1	Ha	1000
2	Application of Fertilizers	02.02.030	600	Nos	38.34	100	Nos	230
3	1st Circular Weeding to a radius of 0.5 m. around the plant (where there is no strip weeding done)	02.02.038	600	Nos	121.9	100	No. (Per One Time)	731
4	2nd Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10cm wide but weeding that part of area by hand and formation of saucer In Hard Soil	02.02.040	600	Nos	639.95	100	No. (Per One Time)	3840
5	Cutting of coppice growth	02.02.046	1	ha	951.31	1	Ha	951
6	Replaement of Causalities including transport internal transport and planting 25% 1) Digging of Pits - 150X20.31=3047.00 2) Transport - 150x250.23=375.00 3) Internal transport - 150x138.49=207.00 4) Planting - 150x426.63=640.00 Total : 4269.00	Items (3,4, &5)	150	Nos	2846	100	Nos	4269
7	Fire tracing operations to a width of 3 Rmts	02.02.048	200	Rmt	5.94	1	Rmt	1188
8	Pruning side branches	02.02.049	600	Nos	121.14	100	Nos	727
9	Watch & ward	Wage Rate	1	Ha	7280	1	No	7280
10	Contingencies & Overheads							784
	Total							21000

Sl. No.	Description of Work	FSR / SSR Item	Quantity		Rate	Per		Amount (Rs.)
1	2	3	4		5	6		7
F	3rd YEAR MAINTENANCE							
1	1st Circular Weeding to a radius of 0.5 m. around the plant (where there is no strip weeding done)	02.02.038	600	Nos	121.9	100	No. (Per One Time)	731
2	2nd Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10cm wide but weeding that part of area by hand and formation of saucer In Hard Soil	02.02.040	600	Nos	639.95	100	No. (per One Time)	3840
3	Cutting of coppice growth	02.02.046	1	ha	951.31	1	Ha	951
4	Fire tracing operations to a width of 3 Rmts	02.02.048	200	Rmt	5.94	1	Rmt	1188
5	Pruning side branches	02.02.049	600	Nos	121.34	100	Nos	728
6	Watch & ward	Wage Rate	1	Ha	7860	1	No	7860
7	Contingencies & Overheads							702
	Total							16000
G	4th YEAR MAINTENANCE							
4	1st Circular Weeding to a radius of 0.5 m. around the plant (where there is no strip weeding done)	02.02.038	600	Nos	121.9	100	No. (Per One Time)	731
5	2nd Circular Weeding cum deep soil working to a radius of 0.5 m. and to a depth of 15 cm around the plant to be done with pick axes for the plants planted in pits without disturbing the soil around the plant to 10cm wide but weeding that part of area by hand and formation of saucer In Hard Soil	02.02.040	600	Nos	639.95	100	No. (per One Time)	3840
6	Cutting of coppice growth	02.02.046	1	ha	951.31	1	Ha	951
	Fire tracing operations to a width of 3 Rmts	02.02.048	200	Rmt	5.94	1	Rmt	1188
	Pruning side branches	02.02.049	600	Nos	121.34	100	Nos	728
	Watch & ward	Wage Rate	1	Ha	7860	1	No	7860
	Contingencies & Overheads							702
	Total							16000
ABSTRAT (Per Ha)								
A	Nursery							20700
B	Advance Operation							48500
C	Raising							25000
D	1st Year Maintenance							21000
E	2nd Year Maintenance							21000
F	3rd Year Maintenance							16000
G	4rd Year Maintenance							16000
H	5th Year Maintenance							16000
I	6th Year Maintenance							16000
J	7th Year Maintenance							16000
	Total							216200

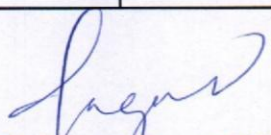

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UNIT COST FOR NURSERY
RAISING OF 8"x12" SIZE NURSERY-1000 Nos

1. Raising of Nursey as per FSR 2018-19

Sl.No	Item of work	FSR Item No.	Quantity	Rate	Per	Amount
1	Site preperation for old site - Clearing of growth,weed,grass etc	01.05.002	13.65	13.61	Bed	186.00
2	Cost of Polythene bags 8"x12"x 400 gauge	01.05.003	12.8	163	Kg	2086.00
3	Cost and transport of ingredients for potting mixture, Red soil and clayey soil in 2:1 Ratio (2.15 cum)	01.05.007	1100	1065.36	1000 Nos.	1172.00
4	Cost of Chemicals Insecticides and Pesticides etc.	01.05.009	1100		As per actual	500.00
5	Preparation of potting mixture Red soil and clayey soil in 2:1 ratio by powdering of various ingredients sieving and mixing them in the prescribed proportion, opening of Bags and filling with potting mixture and gently pressing the same with finger tips and arranging in beds (2.15 cum).	01.05.013	1100	2896.28	1000 Nos.	3186.00
6	Cost of Naked Seedlings		1100	3.00	Each	3300.00
	Prickingout seedlings from primery beds and transplanting in to bags	01.05.015	1100	144.14	1000 Nos.	159.00
8	Watering the bag plants for 6 months (Oct to March	01.05.020	7.5	333.04	per Bed/month	2498.00
9	Weeding the bag plants once in a month for all sizes - 2 times	01.05.021	2.5	51.37	Per Bed/weeding	128.00
10	Shifting, grading and rearranging the containers for one time	01.05.022	1.25	235.45	Per Bed/shifting	294.00
11	Cost of Cow dung Slurry	01.06.007		Actual	-	150.00
12	Application of Cow dung Slurry 100 ml to 250 ml per month	01.06.008	1000	213.34	per 1000 Nos.	213.00
13	Contingencies such as cost of Hose Pipe, Board, implements and Electricity Bill and others 10 % of unit cost	1.06.014				1628.00
	TOTAL					15500.0

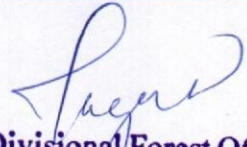

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2. Maintenance of 8"x12" Nursey 2018-19

Sl.No	Item of work	FSR Item No.	Quantity	Rate	Per	Amount
1	Watering the bag plants for 4 months (From April to July)	01.06.003	5.00	333.04	per Bed/month	1665.00
2	Watering the bag plants for 3 months (From August to October)	01.06.012	3.75	166.53	per Bed/month	624.00
3	Weeding the bag plants once in a month for all sizes – 4 times	01.06.005	5.00	51.37	Per Bed/weeding	257.00
4	Shifting, grading and rearranging the containers for 2 times	01.05.006	2.5	235.45	Per Bed/shifting	589.00
5	Cost of Cow dung Slurry	01.06.007		Actual	-	300.00
6	Application of Cow dung Slurry 100 ml to 250 ml per month for 2 times	01.06.008	2000	213.34	per 1000 Nos.	427.00
7	Contingencies such as cost of Hose Pipe, Board, implements and Electricity Bill and others	1.06.014				1338.00
	TOTAL					5200.00


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