

**Biological measures for stabalization of muck duming site (per hectare area) for Const. of Road
Marl to Dhakkote Part-I Propsoal No. (FP/ROAD/46510/2020)**

Area= 4.9825					
S. No	Item of work	Unit	Quantity	Rate per ha.	Amount
1	Fencing: Using sqaure fence psot conforming to product code PCFP-3 at spacing of 10" & 5 Strands of Galvanzied Barbed wire with 2 Criss cross conforming to the product code GA-BW all fence post be fixed in the cement concrete 1:3:6 (1 cement: 3 coarse sand: 6 Stone aggregate 40 mm nominal szle) block of size 1'6"x1x1"	Rft	6477	100	6.477
2	Afforestation (1st year)				
i	Plantation: Poly bagged planting of fast growing soil binding local species (trees/ Shrubs) in pits of szie (45x45x45) cm in straggered fashion along the fence line of size	Nos.	7474	29.34	2.193
ii	Agave: Agave bulbs planted between Interspaces of plants open spaces and along the fence line of size	Nos.	19930	15.45	3.079
iii	Grass slips(Soil binding grasses viz: vtivers, Napier Sacharum, Munja and Arundo donax	Nos.	19930	6.35	1.266
iv	Cutting: Ipomea/ Vitex/Popular/ Salix/ Mulbery (area specific)	Nos.	4982.5	6	0.299
v	Seed ball: Broad casting /dibbling of seed balls	Nos.	4982.5	2.35	0.117
	Total				6.954
3	Mainteance for 9 years 2nd year @ 25 % +3rd year @ 10 % 4th year 10th year 7x 5% = 70 % of afforestation	Year		97692	4.868
4	Geo taxtile mat	Sq. M	4982.5	300	14.95
	Total (1+2+3+4)				33.246
5	Overhead 10 % of total				3.325
	Grand Total				36.570

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