

Biological measures for stablization of muck dumping site for construction and up-gradation of link road from Shangroo to Nagni Gujjar Basti.

S.No.	Item of Work	Unit	Quantity	Rate	Amount
1	Fencing - Using fence post conforming to product code PCFP-3 at spacing of 10' & 5 strands of Galvaized Barbed wire with 2 Criss cross conforming to the product code GA-BW all fence post be fixed in the cement cocree 1:3:6(1 cement:3 coarse sand:6 stone aggregate 40 mm nominal size) block of size 1'6"x1'x1'.	Rft	65	100	6500
2	Afforestation (1st year)				
i	Plantation:- Poly bagged plantng of fast-growing soil binding local species (Trees Shrubs) in pits of size (45x45x45)cm in staggered fashion along the counter.	Nos.	75	29.34	2200.5
ii	Agave:- Agave bulbs planted between interspacesof plants, open spaces & along the fence line of size.	Nos.	200	15.45	3090
iii	Grass Slips:- (Soil bindin grasses viz: vetivers, Napier, Saccharum munja & Arundo donax)	Nos.	200	6.35	1270
iv	Cutting:- Ipomea/Vitex/Popular/Salix/Mulberry (area specific)	Nos.	50	6	300
v	Seed ball:- Broad casting/dibbling of the seed balls	Nos.	50	2.35	117.5
	Total				6978
3	Maintenance for 9 years : 2nd year @ 25% + 3rd year @ 10% +4th year to 10th year 7x@5%= 70% of afforestation	year			4884.6
4	Geo-Textile Mat	Sq.M	50	300	15000
	Total (1+2+3+4)				33362.6
5	Overhead 10% of total				3336.26
	Grand Total				36698.86
6	Total financial for 2 identical muck dumping sites		2		73397.72

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