


**Biological measures for stablization of muck dumping site for construction and  
Barshalla to Bhalwana via Sisool.**

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	<b>Afforestation (1st year)</b>				
i	<b>Plantation:-</b> 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	<b>Agave:-</b> Agave bulbs planted between interspacesof plants, open spaces & along the fence line of size.	Nos.	200	15.45	3090
iii	<b>Grass Slips:-</b> (Soil bindin grasses viz: vetivers, Napier, Saccharum munja & Arundo donax)	Nos.	200	6.35	1270
iv	<b>Cutting:-</b> Ipomea/Vitex/Popular/Salix/Mulberry (area specific)	Nos.	50	6	300
v	<b>Seed ball:-</b> Broad casting/dibbling of the seed balls	Nos.	50	2.35	117.5
	<b>Total</b>				<b>6978</b>
3	<b>Maintenance for 9 years :</b> 2nd year @ 25% + 3rd year @ 10% +4th year to 10th year 7x@5%= 70% of afforestation	year			4884.6
4	<b>Geo-Textile Mat</b>	Sq.M	50	300	15000
	<b>Total (1+2+3+4)</b>				<b>33362.6</b>
5	Overhead 10% of total				3336.26
	<b>Grand Total</b>				<b>36698.86</b>
6	<b>Total financial for five identical muck dumping sites</b>				<b>183494.3</b>

\* The location of five muck dmping sites is enclosed alongwith.

  
Executive Engineer  
PWD (R&B) Doda  
Doda

  
Range Officer  
Kuntwara Range  
Doda

  
Divisional Forest Officer  
Forest Division Doda  
Doda Forest Division Doda

### Detail of muck dumping sites for construction Barshalla to Bhalwana via Sisool

S.No.	Muck dumping site	Proposed Length (in metre)	Proposed Width (in metre)	Area proposed to be diverted (in Ha)	Location
1	Dumping site I	25	20	0.05	RD (1/950 - 1/975)
2	Dumping site II	25	20	0.05	RD (3/400 - 3/425)
3	Dumping site III	25	20	0.05	RD (4/375 - 4/400)
4	Dumping site IV	25	20	0.05	RD (5/050 - 5/075)
5	Dumping site V	25	20	0.05	RD (5/700 - 5/725)
<b>Total</b>				<b>0.25</b>	

  
**Executive Engineer**  
**PWD (R&B) Doda**  
 Doda

  
**Range Officer**  
**K. Rangar @ Range**  
**Munawara Range**  
 Doda

  
**Divisional Forest Officer**  
**Divisional Forest Officer**  
**Doda Forest Division Doda**