

## Biological Measures for Stabilization of Muck Dumping Site

**Name of Proposal-** Construction of Road from Patnazi to Kither

**Proposal No.-** FP/JK/ROAD/118616/2021

**Date of Proposal:-** 16-01-2021

S. No	Item of Work	Unit	Quantity	Rate	Amount
1	Fencing Using Square fence post conforming to product code PCFP 3 at spacing of 10 & 5 strands of Galvanized Barbed wire with 2 Criss cross conforming to the product code GA-W all fence post be fixed in the cement concrete 116 11 Cement & coarse sand: 6 stone aggregate 40 mm nominal size) block of size 1611	Rft.	200	100	20000
2	<b>Afforestation (1st year)</b>				
(i)	<b>Plantation:</b> Poly bagged Planting of fast-growing soil binding local species (Trees/Shrubs) in pits of size (45x45x45) cm in staggered fashion along the contour	Nos.	300	29.34	8802
(ii)	<b>Agave:-</b> Agave bulbs planted between interspaces of plants open spaces & along the fence line of size	Nos.	600	15.45	9270
(iii)	<b>Grass sips :-</b> (soil binding grasses Viz vetivers, Napier Saccharum munja & Arundo donax)	Nos.	600	6.35	3810
(iv)	<b>Cutting-</b> Ipomea/Vitex/ Popular/Salis/ Mulberry (area specific)	Nos.	150	6	900
(v)	<b>Seed ball:-</b> Broad casting/dibbling of seed balls	Nos.	150	2.35	353
	<b>Total</b>				<b>23135</b>
3	<b>Maintenance for 9 years:</b> 2nd year 25%+3rd year @ 10% + 4th year to 10th year 7 @5%=70% of afforestation	Year			<b>6161</b>
4	<b>Geo Textile Mat</b>	Sq.M	150	300	<b>45000</b>
	<b>Total(1+2+3+4)</b>				<b>94296</b>
5	Overhead 10% of total				<b>9430</b>
	<b>Grand Total</b>				<b>103726</b>

Say =1.04

  
**Divisional Forest Officer,**  
**Kishtwar.**