

**DETAILED COMPREHENSIVE MUCK DISPOSAL PLAN**

**PROJECT : Kundherdhan to Mamankote Stage Ist Pacakage No. JK14- 567**

Quantity of muck to be generated during execution of the project = 101970 cum.

Estimated Qty. of hard rock @ 15% = 15295 cum

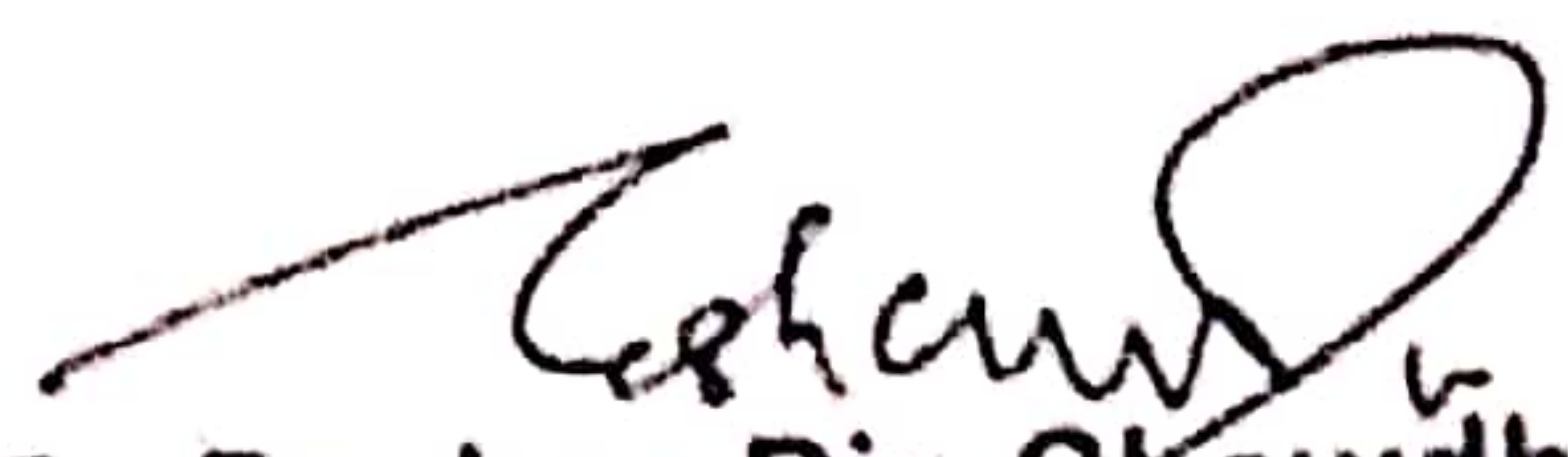
Estimated Qty of ordinary rock @ 25% = 25492 cum

Estimated Qty. to be used at site including filling of embankments etc @10% = 10197 cum

Estimated Qty. left for disposal =  $101970 - (15295 + 25492 + 10197) = 50356$  cum

Estimated Qty. on the basis of soil compaction factor (40% of 50356cum) = 20142cum

Volume/Capacity of dumping sites required for muck disposal =  $50356 + 20142 = 70498$  cum.

  
(Er. Roshan Din Chowdhary)  
Executive Engineer  
PMGSY Division  
Mahore



Plan Related to Engineering Measures for Stabilization of Muck Dumping Sites in Forest Area.

Typical Estimate for construction of crated wall to protect dumping sites of Surplus Muck/Excavated Material in Forest Area as per Engineering Measures.

Taking Length of Crated wall = 60 mtrs.

Trench excavation in dense soil for structures =  $1 \times 60 \text{ mtr.} \times 1.40 \text{ mtr.} \times 0.60 \text{ mtr.}$   
= 50.40 Cum. @ Rs. 363/Cum.

= Rs. 18295.00

For Two layered crated wall,

Quantity =  $2 \times 60 \text{ mtr.} \times 1.20 \text{ mtr.} \times 1.20 \text{ mtr.} = 172.80 \text{ Cum.}$

Amount = 172.80 Cum @ Rs. 1477.50/Cum.

= Rs. 255312.00

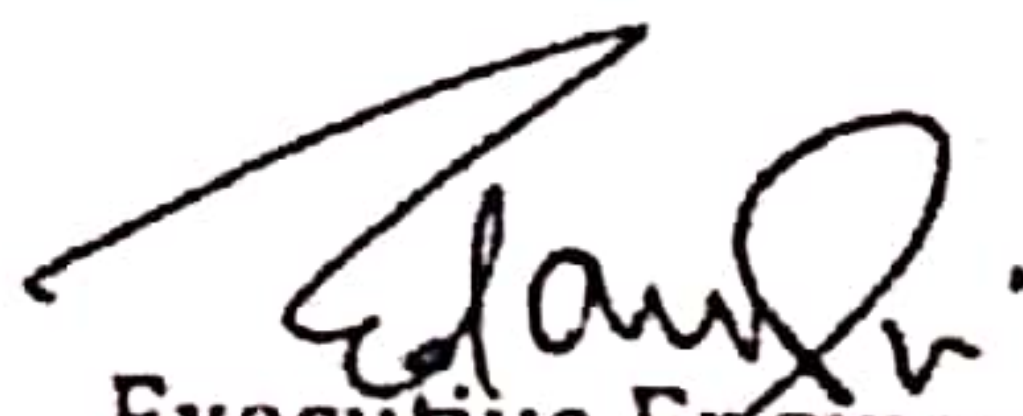
(Including cost of crates and labour for handling of available stone)

Total Amount for 60.00 mtrs. Two layered crated wall for the dumping yard

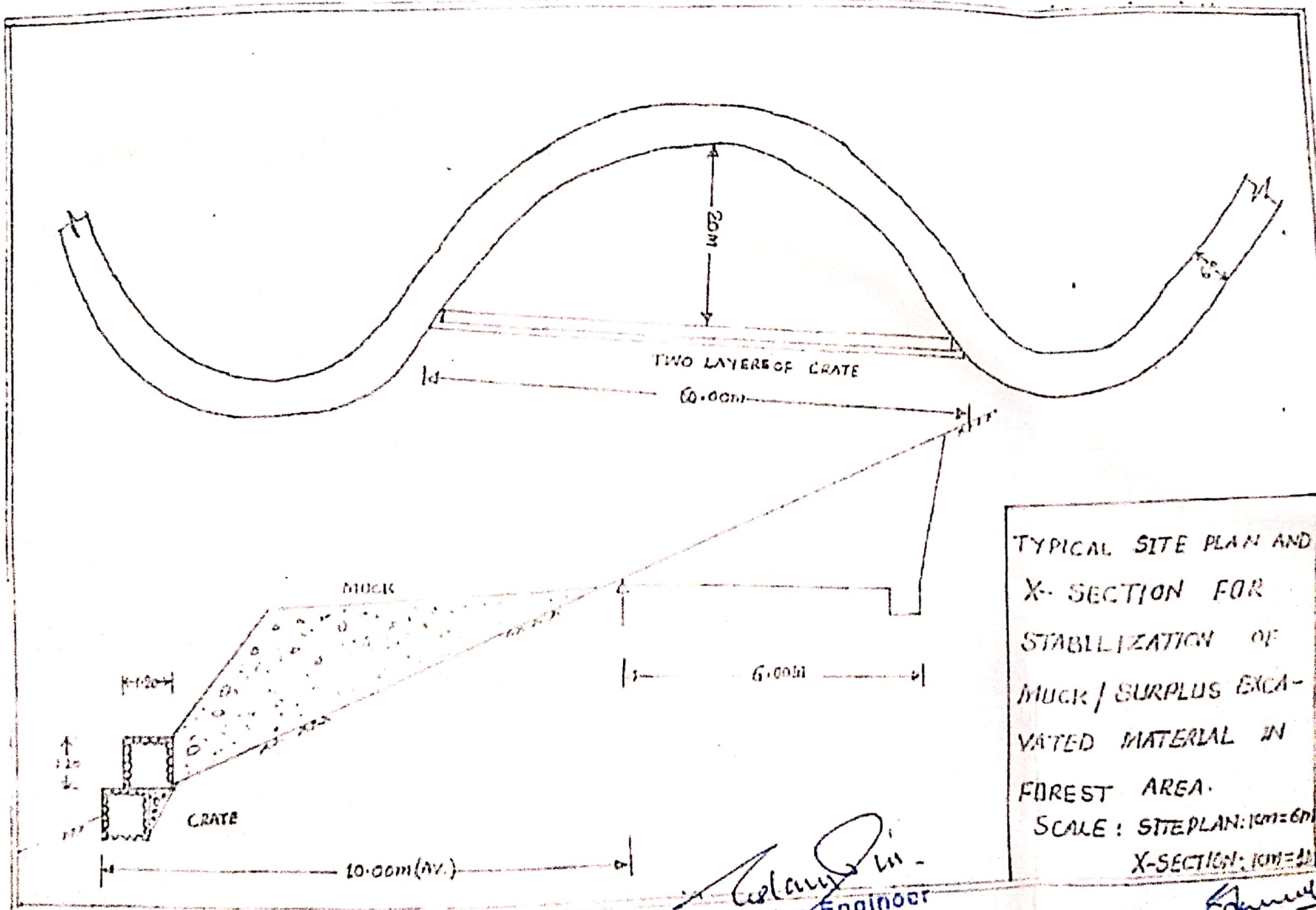
= (Rs. 18295.00 + Rs. 255312. )

= Rs. 273607.00

For 06 Nos. Dumping Yards = 06 Nos. x Rs.273607.00 = Rs. 1641642.00  
=Rs. 16.42 Lacs

  
Executive Engineer  
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PMGSY Division  
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Mithore





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Executive Engineer  
PMGSY Division  
Mahore

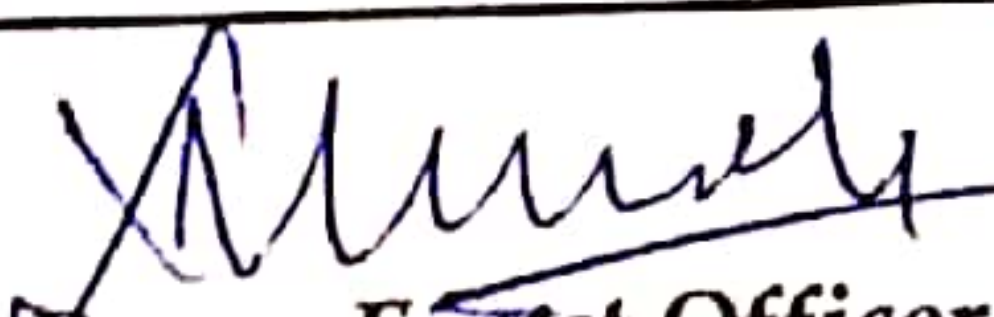
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**Biological measures for stabalization of muck duming site (per hectare area) for Const. of Road  
from Kunderdhan to Mamankote Upper Package No. JK14-567 for Proposal No.  
FP/JK/ROAD/48777/2020**

**Area= 1.99 Ha**

S. No	Item of work	Unit	Quantity	Rate per ha.	Amount (in Lacs)
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 szie) block of size 1'6"x1x1"	Rft	2587	100	2.587
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.	2985	29.34	0.876
ii	Agave: Agave bulbs planted between interspaces of plants open spaces and along the fence line of size	Nos.	7960	15.45	1.230
iii	Grass slips(Soil binding grasses viz: vtivers, Napier Sacharum, Munja and Arundo donax	Nos.	7960	6.35	0.505
iv	Cutting: Ipomea/ Vitex/Popular/ Salix/ Mulbery (area specific)	Nos.	1990	6	0.119
v	Seed ball: Broad casting /dibbling of seed balls	Nos.	1990	2.35	0.047
	<b>Total</b>				<b>2.777</b>
3	Mainteance for 9 years 2nd year @ 25 % +3rd year @ 10 % 4th year 10th year 7x 5% = 70 % of afforestation	Year		97692	1.944
4	Geo taxtile mat	Sq. M	1990	300	5.97
	<b>Total (1+2+3+4)</b>				<b>13.278</b>
5	<b>Overhead 10 % of total</b>				<b>1.328</b>
	<b>Grand Total</b>				<b>14.606</b>

  
Range Forest Officer  
Gulabgarh

  
Divisional Forest Officer  
Mahore Forest Division