

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

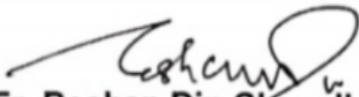
Estimated Qty. of ordinary rock @ 25% = 25492 cum

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
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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)

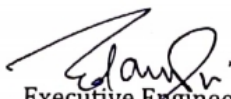
Total Amount for 60.00 mtrs. Two layered crated wall for the dumping yard

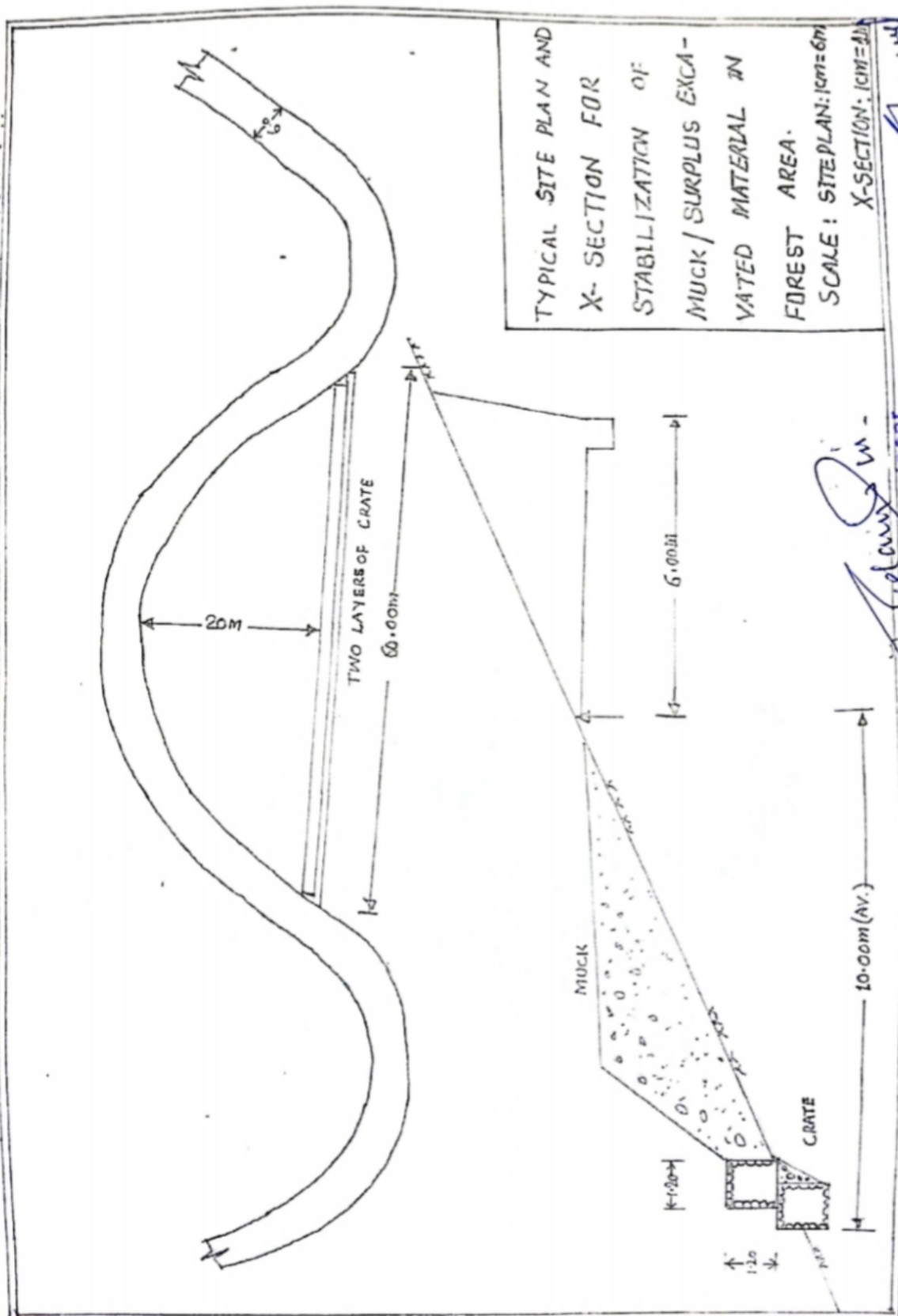
= (Rs. 18295.00 + Rs. 255312.)

= Rs. 273607.00

For 06 Nos. Dumping Yards = $06 \text{ Nos.} \times \text{Rs.} 273607.00 = \text{Rs.} 1641642.00$

=Rs. 16.42 Lacs


Executive Engineer
Executive Engineer
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TYPICAL SITE PLAN AND
X-SECTION FOR
STABILIZATION OF
MUCK / SURPLUS EXCA-
VATED MATERIAL IN
FOREST AREA.
SCALE : SITE PLAN: 1cm=6m
X-SECTION: 1cm=2m

Signature
Executive Engineer
PMGSY Division
Mahore

Signature
AEE