

MODEL PLAN RELATED TO ENGINEERING MEASURES FOR STABILIZATION OF MUCK DUMPING SITES IN FOREST AREA FOR CONSTRUCTION OF PATNAZI TO KITHER ROAD

TYPICAL ESTIMATE FOR CONSTRUCTION OF CRATED WALL TO PROTECT DUMPING SITES OF SURPLUS MUCK/ EXCAVATED MATERIAL IN FOREST AREA AS PER ENGINEERING MEASURES.

1. EARTHWORK IN EXCAVATION FOR FOUNDATION OF STRUCTURES COMPLETE AS PER DRAWING & TECHNICAL SPECIFICATION IN 70% O.S, 20% O.R, 10% H.R.

Length of crated wall= 22.50 mtrs	Amount
= 22.50 m x 2.4 x 0.7	
= 42 ^{m²} @ Rs 363/cum	
	= 15246.00

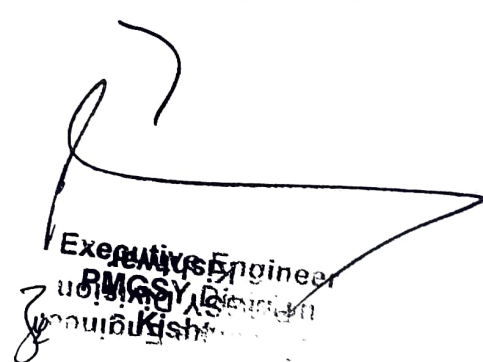
2. For three layered Crated walls

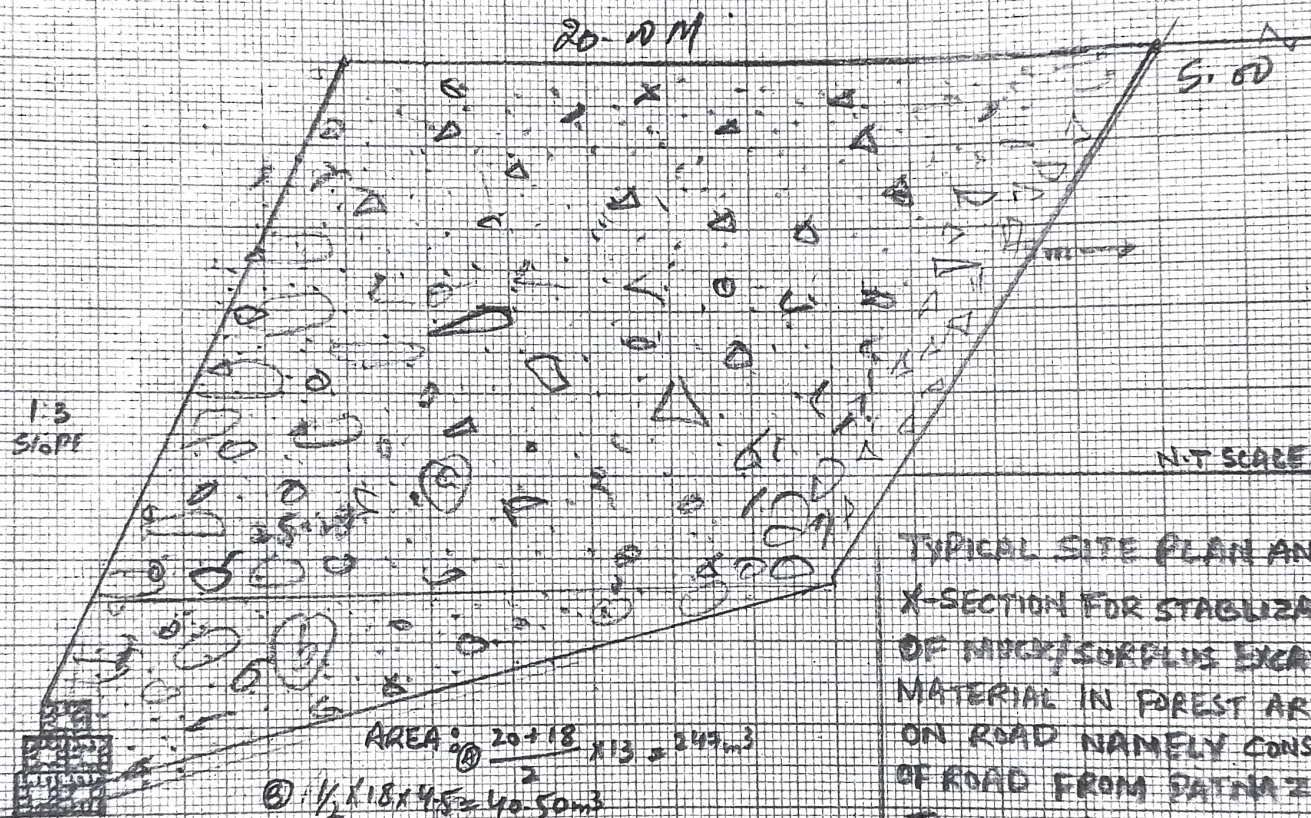
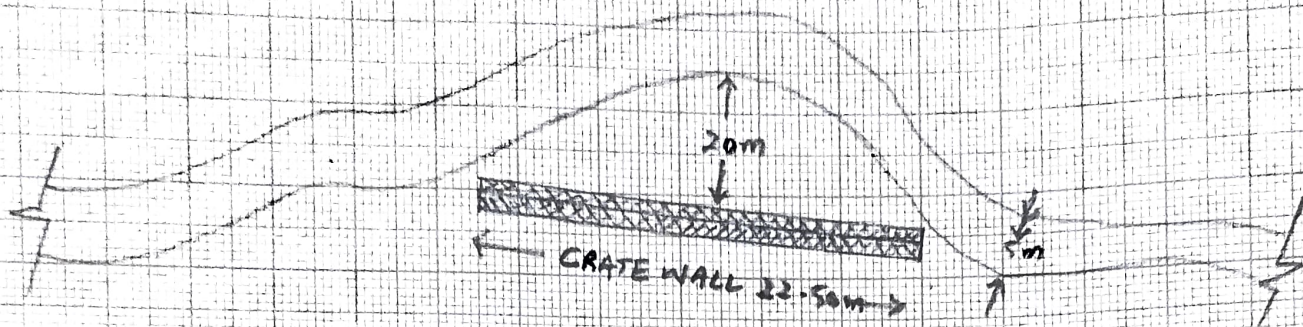
Quantity = 2 x 2 x 22.50 x 1.2 x 1.2 = 144.00	
= 1 x 1 x 22.50 x 1.2 x 1.2 = 36.00	
= 180.00 @ 2700/m ³	
	= 486000.00
Cost for one No. Dumping site	= 501246.00

Total	= 501246/-
Total amount for 3 no. D.S = 501246 x 3	

= 1503738.00


ABD


Executive Engineer
RMGSY Division
Kishin



TYPICAL SITE PLAN AND
X-SECTION FOR STABILIZATION
OF MUCK/SURPLUS EXCAVATED
MATERIAL IN FOREST AREA
ON ROAD NAMELY CONSTRUCTION
OF ROAD FROM PATNAZI
TO KITHAR.

$$\text{AREA} = \frac{20 + 18}{2} \times 4.5 = 243 \text{ m}^2$$

$$\text{② } \frac{1}{2} \times 18 \times 4.5 = 40.50 \text{ m}^2$$

$$T = 283.5 \text{ m}^2$$

$$= 283.5 \times 22.50$$

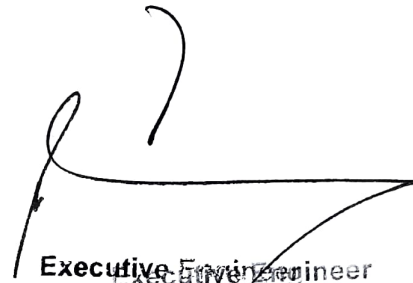
$$= 6468.75 \text{ m}^3$$

Executive Engineer
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S.NO	Name of Dumping Site	Area in Hactare	Capacity in Cum	Vol. of muck to be dumped in cum
1	Muck Dumping Site D-1	0.045	6460	6454
2	Muck Dumping Site D-2	0.045	6460	6454
3	Muck Dumping Site D-3	0.045	6460	6454
			TOTAL	19362


S.R.


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Full Title of Project: CONSTRUCTION OF ROAD FROM PATNAZI TO KITHER
 DETAIL OF MUCK/DEBRIS TO BE PRODUCED

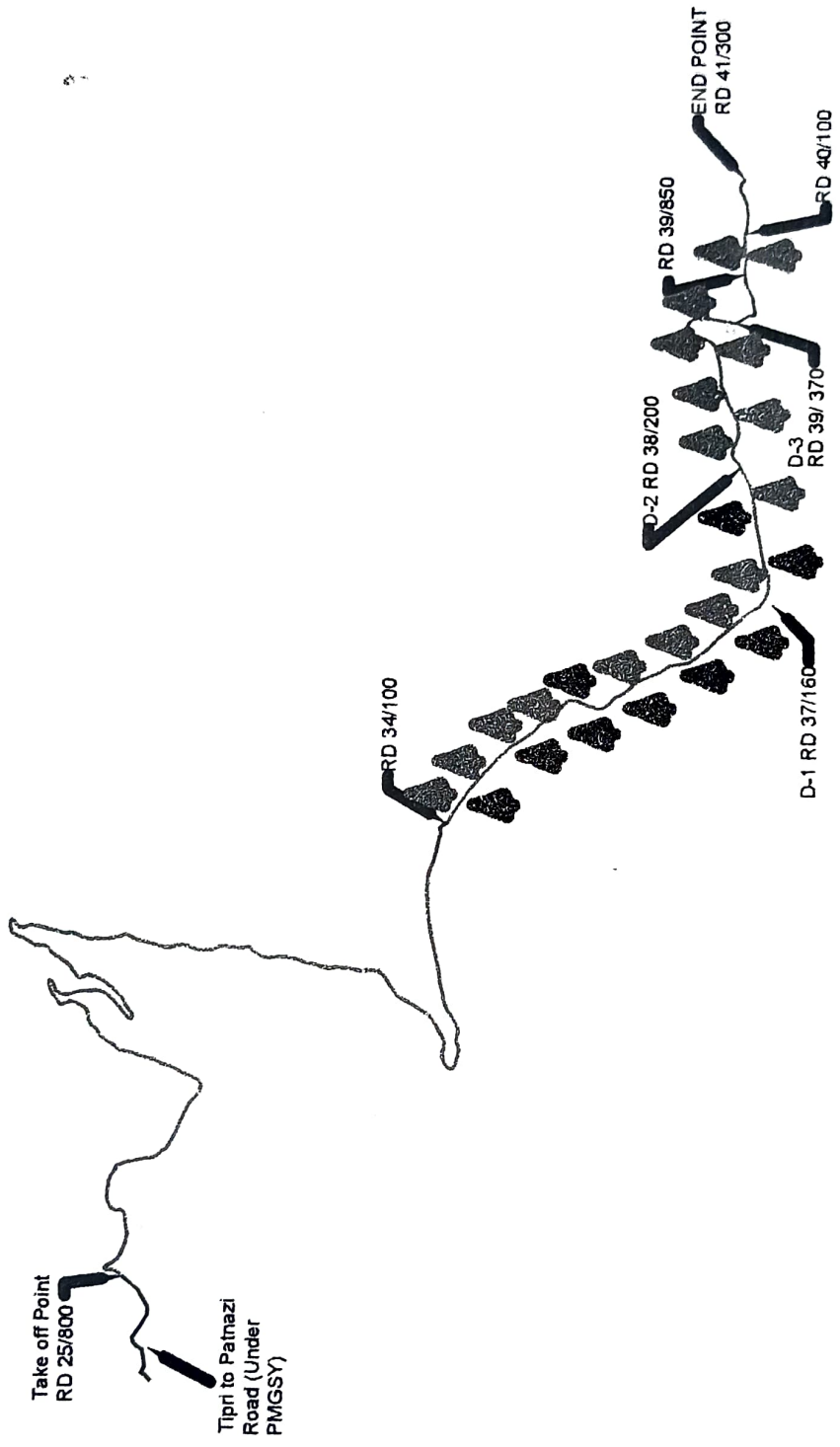
Abstract of Muck Generated And its Disposal											
Project component	Quantity of Muck/ debris generated (cum)		Estimated quantity of muck/ debris proposed to be utilized(cum)		Balance quantity of muck/ debris (cum)		Quantity of muck due to swell factor (cum)		Name of the dumping site	Area of the dumping site	Capacity of the Dumping site (cum)
	Rock	Soil	Rock	Soil	Rock	Soil	Rock (25 %)	Soil (25 %)			
ROAD	82000	15490	82000			15490		19362	Muck Dumping Site D-1	0.045	6460
									Muck Dumping Site D-2	0.045	6460
									Muck Dumping Site D-3	0.045	6460
									TOTAL		19380

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Executive Engineer
 PMGSY Division

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**INDEX MAP FOR CONSTRUCTION OF ROAD FROM PATNAZI TO KITHER UNDER PACKAGE NO. JKO4-146,
PHASE-VII, STAGE-I, LENGTH= 15.500KM, PMGSY BLOCK DRABSHALLA, DISTRICT KISHIWAR.**



LEGEND:-

1.	FOREST LAND	—
2.	PRIVATE LAND	—
3.	STATE LAND	—
4.	DUMPING (D)	—
5.	OTHER ROAD	—

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