

MUCK MANAGEMENT PLAN (MMP) *GIAONSAR-GOSKWARA RAUSI ROAD KM 0/0 TO 4/110*

Sr.	Description	AMOUNT
1.	Total Quantity of Muck being produced	<i>55484.00 Cum.</i>
2.	Deduction for useful stone as required under the clause of agreement to be executed by the Contractor and Executive Engineer of Project.	<i>2774.25 Cum.</i>
3.	Net Balance Quantity of Debries/Muck (1-2)	<i>52709.75 Cum. (A)</i>
4.	Quantity available on site with swell factor @ 40% 1.40A	<i>29517.46 Cum. (B)</i>
5.	Material/Muck to be used in Project:-	
(I)	Deduction of material required for the construction of dumping place in dry masonry wall/Edge wall @ 5% of (B)	<i>1475.87 Cum. (I)</i>
(II)	Less for material/Muck required for leveling of the proposed road for the construction @ 15% of (B)	<i>4427.62 Cum. (II)</i>
(III)	Less for material/Muck required for the construction of the proposed road on the analogy of half cutting half filling @ 40% of (B)	<i>11866.98 Cum. (III)</i>
	Total:- (i)+(ii)+(iii) <i>$1475.87 \text{ Cum} + 4427.62 \text{ Cum} + 11866.98 \text{ Cum} = 17770.47 \text{ Cum.}$</i>	
6	Net material/MUCK to be dumped in dumping site (B - C) in Cum	<i>11866.98 Cum.</i>
	In Tonne	<i>18773.10 Tonne.</i>

Proposed dumping sites

Material/Muck left at the site which required carriage for the proper dumping at the recognized site as per the instructions of Forest and Environment Ministry reinforced by various judgments of the Apex Court Govt. of India.

DUMPING CAPACITY PLAN

Sr. No.	Dumping Site No.	RD	Design Annexed Yes/No.	Capacity
1	D1, D2 <i>D3 D4</i>		Yes	<i>11866.98 Cum.</i>
2.	<i>D5 D6</i>			

[Signature]
Executive Engineer,
B & R Division HPPWD.,
Rohru Dist. Shimla (H.P.)

[Signature]

FINANCIAL COMPONENT FOR THE MATERIAL REQUIRED TO BE LIFTED TO THE RECOGNIZED DUMPING SITES

1. Carriage of excavated material which required hauling for dumping at the proposed site.

Net quantity to lift Tonne (D)	RATE OF CARRIAGE RS. /TONNE	AMOUNT
11806.98	33.94	400730-00

1. Average Lead = 2.50 KM. Rate P/T weight of material x weight of material Loading & Unloading
2. Unit cost of Carriage = Rs. 13.57 Per CUm
3. Rate of Carriage = Average Lead x unit cost
- $13.57 \times 2.50 = 33.94$

3. Construction of Retaining Structure for dumping sites (Dumping site cost appended)

Sr. No.	Dumping site No.	Amount
1	640	4173834-00
	Total	4173834-00

Total = Rs 400730 + 4173834 = Rs 4574385-00

45.74 lacs.

Executive Engineer,
B & R Division HPPWD.,
Rohru Distt Shimla (H P)

[Signature]
01.07.17

C/O Gaonsari to Gaskwari, Rausi Road Km 5/0 to 4/110)
 SRI: C/O 6 No Dumping structure of Length.
 100mtr. Each.

ABSTRACT OF COST					
Sr.no.	Item of work	Quantity	Rate	Unit	Amount
1	Excavation in soil in Hilly Area by manual means including cutting and trimming of side slopes and disposing of excavated earth with a lift upto 1.5 m and a lead upto 20 m as per drawing and Technical Specification Clause 1603.1	—	73.40	p/cum	—
2	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material.	562.50	128.15	Cum	72084-00
3	Providing and laying of boulder apron laid in wire crates with 4 mm dia GI wire conforming to IS:280 and IS:4826 in 100 mm x 100 mm mesh (woven diagonally) including 10 per cent extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per drawing and technical specifications Clause 1301	2812.50	1,458.50	Cum	4101750-00
7	Back filling behing the retaining wall and wing walls and return walls complete as per drawing and technical specifications clause 1204.3.8	—	481.30	p/cum	—

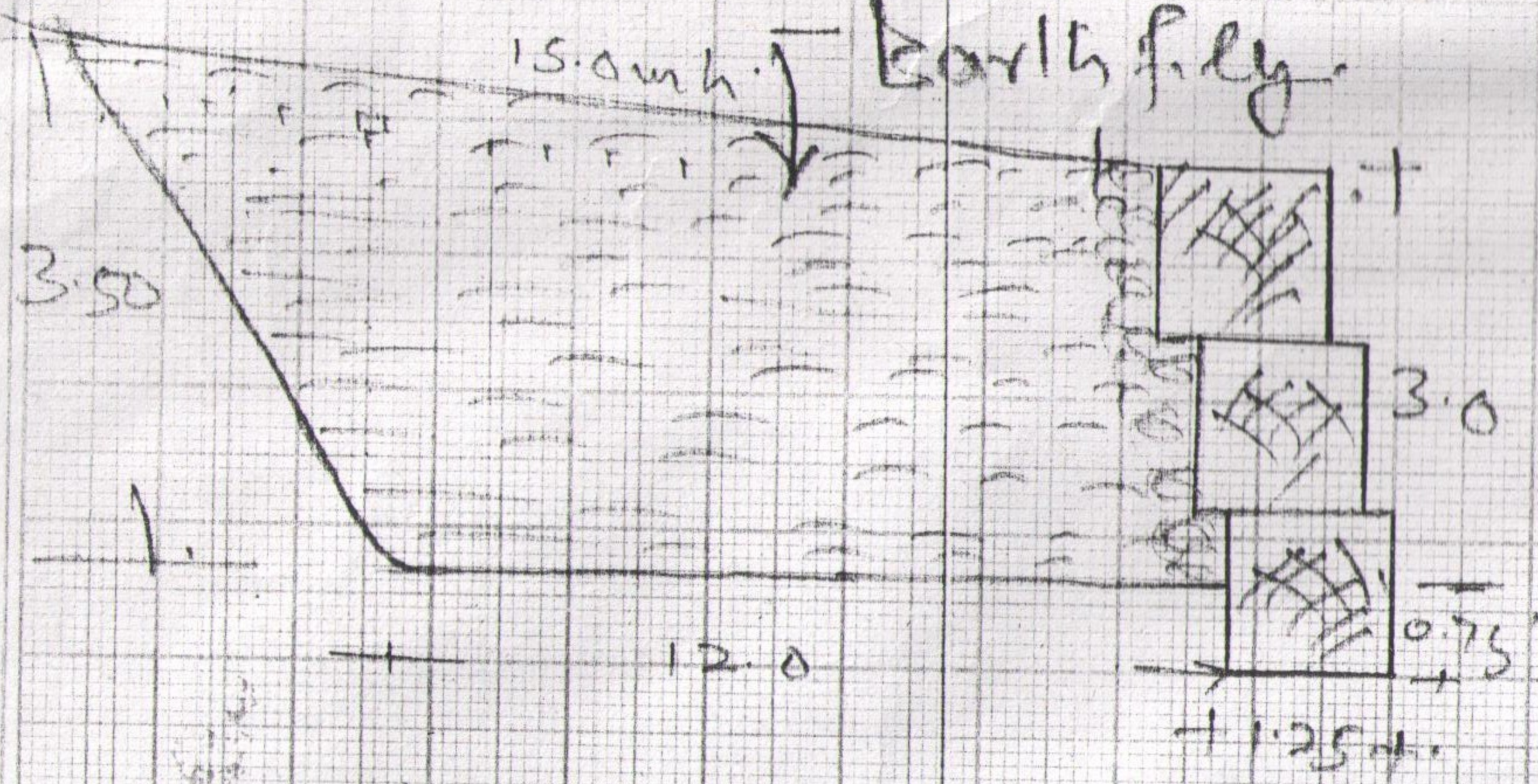
TOTAL = 4173834-00

Say 41.74 Lacs.

Executive Engineer,
 B & R Division, H.P.W.D.,
 Bohru District, (H.P.)

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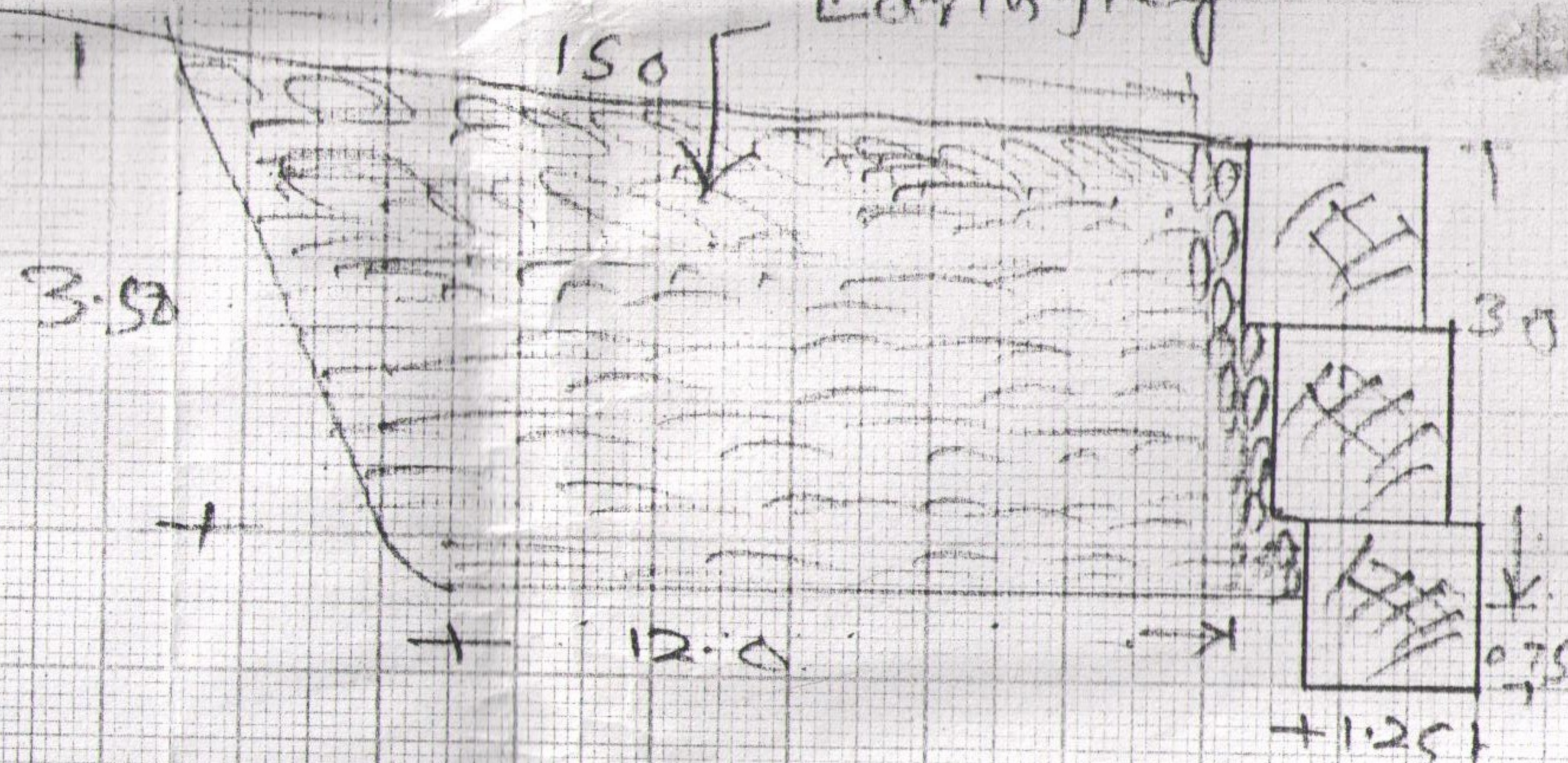
Work: C/o Gaonsari, Gaskwar Road Road Km 0/0 to 4/110 (SM: 40 GNO Dumping structures, 4 Lys 100m each)
 Earth filly.



Earth filly = $\frac{12+15}{2} \times \frac{3+3.50}{2} = 43.88m^2$
 (Area)

Excavation: $1.25 \times 0.75 = 0.94m^2$

Average filly = $\frac{43.88m^2 + 43.88m^2}{2} = 43.88m^2$
 (Area)



Earth filly = $\frac{12+15}{2} \times \frac{3+3.50}{2} = 43.88m^2$
 (Area)

Excavation: $1.25 \times 0.75 = 0.94m^2$

[Signature]
 Engineer,
 B & D Division HPPWD.,
 Rohru Dist. Shimla (H.P.)

Detail of measurement

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Name of work: C/O Gaonbari to Gaskwarri, Rauri Road Km 10 to 11/10 (Sn: 40)
Dumping structure. wire gauge 6 No. of 100mm. layers each.)

SNo.	Sub. Head or Item of work.	No	L.	B	D/H.	Qty.
1.	Earthwork & Securing in hill along the road etc.	6	100	1.25	0.75 =	562.50 cu.
2.	Providing and Laying boulders approx 1000 m ² area Cruti made of 40 mm lump chisel and 100mm x 100mm mesh.					$6 \times 3 \times 40 \times 2.50 \times 1.25 \times 1.25 = 2812.50 \text{ cu.}$

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