

PMGSY 49 & 4421 49 &

MMGSY

Measurement Book

Schedule XLV-Form No. 134

Executive Engineer
R.W.D. Works Division

Darbhanga 1

DIVISION

Darbhanga

SUB-DIVISION

M.B.No - 3503

Ranella Shyam Yadav.

2) Dead load on the floor

area floor area is 40

area of the floor is 40

By area method

from data of the floor area is 40

area of the floor is 40

$$1 \times 4.00 \times (4.35 + 4.10) / 2 \times 0.160 = 2.70 \text{ m}$$

$$1 \times 26.00 \times (4.10 + 4.10) / 2 \times 0.160 = 17.05 \text{ m}$$

$$1 \times 23.40 \times (4.10 + 3.60) / 2 \times 0.160 = 14.17 \text{ m}$$

$$1 \times 9.00 \times (3.60 + 3.55) \times 0.160 = 4.00 \text{ m}$$

$$1 \times 30.00 \times (3.55 + 3.75) \times 0.160 = 17.52 \text{ m}$$

$$2 \times 30.00 \times (3.75 + 3.75) \times 0.160 = 36.00 \text{ m}$$

$$1 \times 21.00 \times (3.75 + 4.80) \times 0.160 = 14.26 \text{ m}$$

$$1 \times 9.00 \times (4.80 + 3.85) \times 0.160 = 6.23 \text{ m}$$

$$1 \times 30.00 \times (3.85 + 3.75) \times 0.160 = 18.24 \text{ m}$$

$$1 \times 30.00 \times (3.75 + 4.30) \times 0.160 = 19.32 \text{ m}$$

$$1 \times 28.00 \times (4.30 + 3.9) \times 0.160 = 16.35 \text{ m}$$

$$1 \times 32.00 \times (3.00 + 3.75) \times 0.160 = 17.28 \text{ m}$$

$$1 \times 30.00 \times (3.75 + 3.55) \times 0.160 = 17.52 \text{ m}$$

Direction change

$$1 \times 8.50 \times (4.30 + 4.30) \times 0.160 = 5.85 \text{ m}$$

$$1 \times 11.50 \times (4.30 + 6.10) \times 0.160 = 9.57 \text{ m}$$

$$1 \times 4.00 \times (6.10 + 4.00) \times 0.160 = 3.27 \text{ m}$$

$$1 \times 15.00 \times (4.00 + 6.10) \times 0.160 = 12.52 \text{ m}$$

Particulars	Details of actual measurements				Contents of area
	No.	L	B	D	
<u>Drainage channel</u>					
$1 \times 6.00 \times \frac{3.75 + 4.05}{2} \times 0.160 = 4.30 \text{ m}^3$					
$1 \times 23.00 \times \frac{2.55 + 3.00}{2} \times 0.160 = 13.83 \text{ m}^3$					
$1 \times 30.00 \times \frac{2.30 + 2.90}{2} \times 0.160 = 16.08 \text{ m}^3$					
$1 \times 12.00 \times \frac{3.40 + 3.90}{2} \times 0.160 = 9.10 \text{ m}^3$					
$1 \times 9.00 \times \frac{3.70 + 3.52}{2} \times 0.160 = 5.40 \text{ m}^3$					
$1 \times 8.00 \times \frac{3.52 + 3.52}{2} \times 0.160 = 4.50 \text{ m}^3$					
<u>In widening portion</u>					
$1 \times \frac{9.30 + 3.70}{2} \times \frac{9.70 + 8.50}{2} \times 0.160 = 7.69 \text{ m}^3$					
<u>Widering p.m.g.s road towards</u>					
<u>east school.</u>					
$1 \times 4.00 \times \frac{4.60 + 3.05}{2} \times 0.160 = 2.45 \text{ m}^3$					
$1 \times 3.00 \times \frac{3.05 + 3.25}{2} \times 0.160 = 3.52 \text{ m}^3$					
$1 \times 19.00 \times \frac{3.25 + 3.30}{2} \times 0.160 = 9.96 \text{ m}^3$					
$1 \times 13.00 \times \frac{3.30 + 3.75}{2} \times 0.160 = 7.33 \text{ m}^3$					
$1 \times 13.00 \times \frac{3.75 + 3.95}{2} \times 0.160 = 10.42 \text{ m}^3$					
$1 \times 30.00 \times \frac{3.75 + 4.60}{2} \times 0.160 = 20.52 \text{ m}^3$					
$1 \times 3.00 \times \frac{4.60 + 3.70}{2} \times 0.160 = 12.45 \text{ m}^3$					
$1 \times 13.00 \times \frac{3.70 + 3.70}{2} \times 0.160 = 7.30 \text{ m}^3$					
$1 \times 16.00 \times \frac{3.70 + 3.80}{2} \times 0.160 = 8.40 \text{ m}^3$					
$1 \times 30.00 \times \frac{3.70 + 3.75}{2} \times 0.160 = 18.12 \text{ m}^3$					
$1 \times 30.00 \times \frac{3.75 + 3.75}{2} \times 0.160 = 18.00 \text{ m}^3$					

Description	Details of work to be done				Quantity of work
	No.	I	II	III	

ABSTRACT OF COST

(1) Clearing and grubbing

of existing trees and stumps

per acre

Qty. 8.00 ac ——— P/L

@ 2344.63/ac — Rs 18757.04

(2) clearing and grubbing

of mud land ———

complete job

Qty. 0.228 Head ——— P/L

@ 49496.70/Head — Rs 11295.20

(3) Excavation to depth

cutting in soil using

hydraulic ——— all compen

Qty. 35.962 M³ ——— P/L

@ 74.10/M³ — Rs 2665.20

(4) Construction of granular

sub. base by spreading

well graded materials

all complete job

Qty. 124.385 M³ ——— P/L

0.255 M³ ——— P/L

124.64 M³

@ 2428.02/M³ — Rs 302635.20

(5) providing, laying, spreading

and compacting WBM III

materials ——— all compen

Qty. 144.60 M³ ——— P/L

40.20 M³

184.80 M³ @ 3081.34/M³ — Rs 569195.20

Continuation @ Rs 895529.20

Particulars	Details of work or items				Contents of area
	No.	L.	B.	D.	
<u>ABSTRACT OF COST</u>					
<u>(1) providing road level</u>					
<u>by providing concrete marks</u>					
<u>pillars</u>					
<u>Qty. 8.20 m</u>					
<u>@ 2344.63 each - Rs 18757.04</u>					
<u>(2) clearing and grubbing</u>					
<u>of road land - all</u>					
<u>complete job</u>					
<u>Qty. 0.228 Hect</u>					
<u>@ 49496.70/Hect - Rs 11285.20</u>					
<u>(3) Excavation for drainage</u>					
<u>cutting in soil using</u>					
<u>hydraulic - all complete</u>					
<u>Qty. 35.962 m³</u>					
<u>@ 74.10/m³ - Rs 2665.00</u>					
<u>(4) Construction of granular</u>					
<u>sub. base by providing</u>					
<u>well graded materials</u>					
<u>- all complete job</u>					
<u>Qty. 124.385 m³</u>					
<u>@ 2428.07/m³ - Rs 302635.00</u>					
<u>(5) providing layer, spreading</u>					
<u>and compacting work - all</u>					
<u>materials - all complete</u>					
<u>Qty. 144.60 m³</u>					
<u>@ 3581.30/m³ - Rs 516495.00</u>					
<u>Continuation - Rs 895339.00</u>					

Particulars	Qty	Unit	Rate	Amount
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(6) Construction of 7.5' dia

well with 10' dia

and 10' dia

Qty. 515.98 M³ — P/12

@ 6829.82 M³ — Rs 3524051

(7) Supply and providing

NP 300 mm dia

pipe across carriageway

and complete job

Qty. 10.00 M — P/7

@ 548.78 M — Rs 548820

Rs 442507620

Less 0.68% as per agreement

Rs 3009120

(8) providing and laying

typical 11MGM

dim. Board with logo

and complete job

Qty. 2.00 No — P/12

@ 10593.82 each — Rs 2118820

Rs 449626420

Less 0.68% as per agreement

Rs 3023520

Less previous balance

Rs 441602920

Rs 364277820

Material statement

(i) Stone chips/metal/dust — 522.98 M³

(ii) Sand — 232.90 M³

250720
J.E.