

RRSMP

name of Road - Nawada - Ugras Road To (SC)

Schedule XLV Form No. 134.

manishway via Hazla, Dhantara, Satam To
Shikatta Road

DIVISION

Bajinath Mishra India Pvt. Ltd

SUB-DIVISION

मेसकौट

Measurement Book

M.B.No - 1535



4th on A/C b/H

38

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
N/W:-	Nawada Ganga Road				
	To Manjhuary Via Harla				
	Dhantara, Setan to				
	Jhikatiya Road (Revised)				
Agg. No:-	03 / Munsuv (RRSMP)				
Agency:-	Bairnath Nirmam India				
	Pvt. Ltd.				
A/D :-	24/06/2025.				
Actual date of completion.	:-				

Record Measurement.

① Clearing and grubbing land				
Land including uprooting wild				
Vegetation grass, bushes,				
sapling and tree of girth				
upto 300 mm dia				
2 x 4 x 25.00	x 3.00	=	600.00 m ²	
2 x 2 x 30.00	x 3.00	=	360.00 m ²	
2 x 9 x 10.00	x 3.00	=	540.00 m ²	
2 x 5 x 30.00	x 3.00	=	900.00 m ²	
2 x 10 x 10.00	x 3.00	=	600.00 m ²	
2 x 7 x 20.00	x 3.00	=	840.00 m ²	
2 x 9 x 15.00	x 3.00	=	810.00 m ²	
2 x 6 x 20.00	x 3.00	=	720.00 m ²	

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
2x5x30.00x3.00					= 900.00m ²
2x9x20.00x3.00					= 1080.00m ²
2x10x15.00x3.00					= 900.00m ²
2x7x25.00x3.00					= 1050.00m ²
2x9x20.00x3.00					= 1080m ²
2x5x30.00x3.00					= 900.00m ²
2x10x10.00x3.00					= 600.00m ²
2x9x20.00x3.00					= 1080.00m ²
2x5x30.00x3.00					= 900.00m ²
2x13x5.00x3.00					= 390.00m ²
Total					= 14250 m ²
i.e. = $\frac{14250 \text{ m}^2}{10000}$					= 1.42 kg

② Excavation for roadways in soil using manual means for carrying of cut earth to embankment side with a lift upto 1.5m and load upto 50m - (Box cutting) —

(a) for C.C. Pavement :-

2x2x15.00x0.875x0.175	= 3.187 m ³
2x5x10.00x0.875x0.175	= 15.312 m ³
2x5x10.00x0.875x0.175	= 15.312 m ³
2x5x20.00x0.875x0.175	= 30.625 m ³
2x5x15.00x0.875x0.175	= 22.968 m ³
2x3x20.00x0.875x0.175	= 18.375 m ³
2x1x25.00x0.875x0.175	= 7.656 m ³

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
2x6x10.00x0.875x0.175					= 18.375 m ³
2x2x25.00x0.875x0.175					= 15.312 m ³
Total = 153.12 m ³					

(B) For BT Portion (widening) :-

2x2x20.00x1.025x0.275					= 22.55 m ³
2x5x10.00x1.025x0.275					= 28.187 28.187 m ³
2x6x15.00x1.025x0.275					= 50.737 m ³
2x6x20.00x1.025x0.275					= 67.65 m ³
2x1x30.00x1.025x0.275					= 16.912 m ³
2x5x30.00x1.025x0.275					= 84.562 m ³
2x4x15x1.025x0.275					= 33.825 m ³
2x10x10.00x1.025x0.275					= 56.375 m ³

2x4x20.00x1.025x0.275					= 45.100 m ³
2x2x30.00x1.025x0.275					= 33.825 m ³
2x7x10.00x1.025x0.275					= 39.462 m ³
2x6x20.00x1.025x0.275					= 67.65 m ³
2x3x30.00x1.025x0.275					= 50.737 m ³
2x5x30.00x1.025x0.275					= 84.562 m ³
2x4x25.00x1.025x0.275					= 56.375 m ³
2x4x10.00x1.025x0.275					= 22.55 m ³
2x8x15.00x1.025x0.275					= 67.65 m ³
2x2x30.00x1.025x0.275					= 33.825 m ³
2x7x10.00x1.025x0.275					= 39.462 m ³
2x5x20.00x1.025x0.275					= 56.375 m ³
Total = 958.37 m ³					

Add (A+B) ⇒ 153.12 + 958.37

Continuation ⇒ 1111.49 m³

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
③ Construction of granular					
Sub-base by providing well					
graded material, spreading					
in uniform layer with the					
motor grader as prepared					
surface, mixing by mixer					
(A) Pot-Patch Measurement:-					
$5 \times 9.92 \times 2.43 \times 0.200 = 24.10 \text{ m}^3$					
$3 \times 9.87 \times 0.92 \times 0.200 = 5.44 \text{ m}^3$					
$2 \times 2.36 \times 1.15 \times 0.200 = 1.08 \text{ m}^3$					
$9 \times 5.42 \times 1.38 \times 0.200 = 13.46 \text{ m}^3$					
$3 \times 3.38 \times 1.62 \times 0.200 = 3.28 \text{ m}^3$					
$11 \times 6.46 \times 2.95 \times 0.200 = 36.24 \text{ m}^3$					
$6 \times 8.64 \times 1.15 \times 0.200 = 11.92 \text{ m}^3$					
Total = 95.52 m^3					
(B) For Widening for C.L. Pavement.					
$2 \times 2 \times 15.00 \times 0.875 \times 0.100 = 5.25 \text{ m}^3$					
$2 \times 5 \times 10.00 \times 0.875 \times 0.100 = 8.75 \text{ m}^3$					
$2 \times 5 \times 10.00 \times 0.875 \times 0.100 = 8.75 \text{ m}^3$					
$2 \times 5 \times 20.00 \times 0.875 \times 0.100 = 17.5 \text{ m}^3$					
$2 \times 5 \times 15.00 \times 0.875 \times 0.100 = 13.12 \text{ m}^3$					
$2 \times 3 \times 20.00 \times 0.875 \times 0.100 = 10.5 \text{ m}^3$					
$2 \times 1 \times 25.00 \times 0.875 \times 0.100 = 4.37 \text{ m}^3$					
$2 \times 6 \times 10.00 \times 0.875 \times 0.100 = 10.5 \text{ m}^3$					
$2 \times 2 \times 25.00 \times 0.875 \times 0.100 = 8.75 \text{ m}^3$					
Total = 87.49 m^3					
Continuation					

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area	
	No.	L.	B.	D.		
(C) For BT Portion (widening)						
	2	2	20.00	1.025	$\times 0.200 = 16.4 \text{ m}^3$	
	2	5	10.00	1.025	$\times 0.200 = 20.5 \text{ m}^3$	
	2	6	15.00	1.025	$\times 0.200 = 36.9 \text{ m}^3$	
	2	6	20.00	1.025	$\times 0.200 = 49.2 \text{ m}^3$	
	2	1	30.00	1.025	$\times 0.200 = 12.3 \text{ m}^3$	
	2	5	30.00	1.025	$\times 0.200 = 61.5 \text{ m}^3$	
	2	4	15.00	1.025	$\times 0.200 = 24.6 \text{ m}^3$	
	2	10	10.00	1.025	$\times 0.200 = 41.00 \text{ m}^3$	
	2	4	20.00	1.025	$\times 0.200 = 32.8 \text{ m}^3$	
	2	2	30.00	1.025	$\times 0.200 = 24.6 \text{ m}^3$	
	2	7	10.00	1.025	$\times 0.200 = 28.7 \text{ m}^3$	
	2	6	20.00	1.025	$\times 0.200 = 49.2 \text{ m}^3$	
	2	8	20.00	1.025	$\times 0.200 = 33.9 \text{ m}^3$	
	2	5	30.00	1.025	$\times 0.200 = 61.5 \text{ m}^3$	
	2	4	25.00	1.025	$\times 0.200 = 41.00 \text{ m}^3$	
	2	4	10.00	1.025	$\times 0.200 = 16.4 \text{ m}^3$	
	2	8	15.00	1.025	$\times 0.200 = 49.2 \text{ m}^3$	
	2	2	30.00	1.025	$\times 0.200 = 24.6 \text{ m}^3$	
	2	7	10.00	1.025	$\times 0.200 = 28.7 \text{ m}^3$	
	2	5	20.00	1.025	$\times 0.200 = 41.00 \text{ m}^3$	
	Total =					697.00 m ³
(D) For Earthen Portion						
	1	10.00	5.80	0.200	$= 11.6 \text{ m}^3$	
	1	20.00	5.80	0.200	$= 23.2 \text{ m}^3$	
	1	15.00	5.80	0.200	$= 17.4 \text{ m}^3$	
	1	5.00	5.80	0.200	$= 5.8 \text{ m}^3$	

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
1x10.00x5.80x0.200					11.6 m ³
1x30.00x5.80x0.200					34.8 m ³
1x15.00x5.80x0.200					17.4 m ³
1x10.00x5.80x0.200					11.6 m ³
1x25.00x5.80x0.200					29.00 m ³
1x10.00x5.80x0.200					11.6 m ³
1x15.00x5.80x0.200					17.4 m ³
1x5.00x5.80x0.200					5.8 m ³
1x30.00x5.80x0.200					34.8 m ³
1x20.00x5.80x0.200					23.2 m ³
2x25.00x5.80x0.200					58.00 m ³
4x10.00x5.80x0.200					46.4 m ³
3x15.00x5.80x0.200					52.2 m ³
2x25.00x5.80x0.200					58.00 m ³
1x5.00x5.80x0.200					5.8 m ³
1x10.00x5.80x0.200					11.6 m ³
1x20.00x5.80x0.200					23.2 m ³
1x10.00x5.80x0.200					11.6 m ³
Total =					522.00 m ³
Total = (A+B+C+D)					
⇒ 95.52 + 87.49 +					
697.00 + 522.00 m ³					
⇒ 1402.01 m ³					
(4) Providing, laying, spreading and Compacting graded					

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Stone aggregate to road mix macadam specification including procuring the material with creder at OMC in mechanical mixes Carriage — do —					
(A) Pot - Patch Measurement.					
	5	11.19	3.95	0.075	$= 16.575 m^3$
	3	26.07	2.32	0.075	$= 13.608 m^3$
	2	9.5	2.55	0.075	$= 3.633 m^3$
	2	13.26	3.02	0.075	$= 27.03 m^3$
	3	10.75	2.16	0.075	$= 5.224 m^3$
	11	14.28	2.93	0.075	$= 34.518 m^3$
	6	6.40	1.68	0.075	$= 4.838 m^3$
	5	10.36	4.08	0.075	$= 15.850 m^3$
	3	9.10	1.56	0.075	$= 3.194 m^3$
	3	17.52	3.62	0.075	$= 11.27 m^3$
	5	17.42	3.62	0.075	$= 23.647 m^3$
	3	13.26	1.22	0.075	$= 3.639 m^3$
	3	10.75	3.85	0.075	$= 9.312 m^3$
	5	14.28	3.16	0.075	$= 16.921 m^3$
	2	6.40	3.62	0.075	$= 3.475 m^3$
	4	10.36	4.59	0.075	$= 14.265 m^3$
	3	9.10	1.62	0.075	$= 3.316 m^3$
	5	17.52	2.48	0.075	$= 15.965 m^3$
	3	17.42	0.92	0.075	$= 3.605 m^3$
	2	4.16	1.15	0.075	$= 0.717 m^3$

Continuation

(B) For Eastern Portion —

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
1x20.00x5.50x0.075					$= 8.25 m^3$
1x10.00x5.50x0.075					$= 4.125 m^3$
					<u>Total = 185.62 m³</u>

(c) BT Portion (widening)

2x2x25.00x0.875x0.075					$= 6.562 m^3$
2x5x10.00x0.875x0.075					$= 6.562 m^3$
2x4x15.00x0.875x0.075					$= 7.875 m^3$
2x5x20.00x0.875x0.075					$= 13.125 m^3$
2x7x10.00x0.875x0.075					$= 9.187 m^3$
2x5x15.00x0.875x0.075					$= 9.843 m^3$
2x3x30.00x0.875x0.075					$= 11.812 m^3$
2x4x25.00x0.875x0.075					$= 13.125 m^3$
2x2x15.00x0.875x0.075					$= 3.937 m^3$
2x1x25.00x0.875x0.075					$= 3.281 m^3$

2x10x5.00x0.875x0.075					$= 6.562 m^3$
2x2x25.00x0.875x0.075					$= 6.562 m^3$
2x4x15.00x0.875x0.075					$= 7.875 m^3$
2x5x10.00x0.875x0.075					$= 6.562 m^3$
2x2x20.00x0.875x0.075					$= 5.25 m^3$
2x2x30.00x0.875x0.075					$= 7.875 m^3$
2x4x10.00x0.875x0.075					$= 5.25 m^3$
					<u>Total = 2131.24 m³</u>

(D) For BT Portion (5.5m)

4x10.00x5.50x0.075					$= 16.50 m^3$
2x20.00x5.50x0.075					$= 16.50 m^3$
2x25.00x5.50x0.075					$= 20.625 m^3$
4x15.00x5.50x0.075					$= 24.75 m^3$

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
8x30.00x5.50x0.075					37.125m ³
5x10.00x5.50x0.075					20.625m ³
4x25.00x5.50x0.075					41.25m ³
7x15.00x5.50x0.075					43.312m ³
3x25.00x5.50x0.075					30.937m ³
2x30.00x5.50x0.075					24.75m ³
5x10.00x5.50x0.075					20.625m ³
4x25.00x5.50x0.075					41.25m ³
7x10.00x5.50x0.075					28.875m ³
4x15.00x5.50x0.075					24.75m ³
5x10.00x5.50x0.075					20.625m ³
Total =					412.49m ³
Total (A+B+C+D)					

$$\Rightarrow (276.56 + 185.62 + 131.24 + 412.49 \text{ m}^3)$$

$$\Rightarrow 1000$$

$$\Rightarrow 1005.91 \text{ m}^3$$

Mudesh
05/12/2021
JG

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
<u>Abstract of Cost</u>					
① Clearing and grubbing —					
5.58 ha (TMBP - 33)					
1.42 ha (TMBP - 39)					
7.00 ha					
② 73289.25/ha = Rs 513025.00/-					
③ P/B Logo of MMHSUY —					
01 No. (TMBP - 33)					
④ 10520.88/No = Rs 10521.00/-					
⑤ B/W in excavation —					
155.95 m ³ (TMBP - 33)					
⑥ 386.75/m ³ = Rs 60313.00/-					
⑦ MIS Levelling in foundation —					
27.75 m ³ (TMBP - 33)					
⑧ 5206.14/m ³ = Rs 144471.00/-					
⑨ P/L RCC pipe NP-3 —					
50.00 m (TMBP - 33)					
⑩ 7127.77/m = Rs 356388.00/-					
⑪ Providing PCC in Sub-Station —					
168.70 m ³ (TMBP - 33)					
⑫ 5979.85/m ³ = Rs 1008800.00/-					

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
⑦/③ Single row 300mm dia — 150 fm (TMBP - 34)					
① 967.93 / fm = Rs 145190.00/-					
⑧/② Box cutting — d — 4816.20 m ³ (TMBP - 34)					
1111.49 m ³ (TMBP - 40)					
5927.69 m ³					
① 95.92 m ³ / m ³ = Rs 568880.00/-					
⑨/⑥ Providing of HSB — 1479.85 m ³ (TMBP - 34)					
1402.01 m ³ (TMBP - 43)					
5881.86 m ³					
① 2039.79 / m ³ = Rs 11997759.00/-					
⑩/⑦ P/L Spacing WMM — d — 1183.136 m ³ (TMBP - 34)					
1005.91 m ³ (TMBP - 47)					
2189.046 m ³					
① 2564.90 / m ³ = Rs 5614684.00/-					
Total = Rs 20420031.00/-					
Add L.C 1% = Rs 204200.00/-					
Add S.Fee = Rs 668031.00/-					
Total = Rs 21292262.00/-					
Add GST 18% = Rs 3882607.00/-					
Total = Rs 25124869.00/-					

Continuation



Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
B.F = Rs 25124869.00/-					
Less 4.11% (-) = Rs 1032632.80/-					
875112.00/-					
Total = Rs 24249757.00/-					
Deduct P. Paymtd 2(-) 15467227.00/-					
Total = Rs 8782530.00/-					
Total = Rs 8625010.00/-					

Muresh Kumar
05/12/2018

Material Statement.

45mm to 22.4mm	→	402.36 m ³
26.5mm to 9.5mm	→	588.84 m ³
22.4mm to 2.36mm	→	533.13 m ³
9.5mm to 2.36mm	→	420.60 m ³
S. Screening	→	402.36 m ³
Local Sand	→	672.96 m ³

Muresh Kumar
05/12/2018
JCL

Continuation