

MH139 to Mathre, MH1110 Arund

Schedule XLV-Form No. 134

M R
Neas Meas
for

Santosh crop

ARWA

DIVISION

ARWA

SUB-DIVISION

827

Measurement Book

AR 2011

DIVISION

ARCOPI

SUB-DIVISION

Measurement Book

No. 827

Name of Officer

Date of first entry

Date of last entry

प्रमाणित किया जाता है कि इस माप
पुस्तक में कुल 100 (सा) पृष्ठ हैं इस
की रजिस्ट्रेशन Sch. XLV-Form No. 134 अदि

काम अवर प्रम, निगम का

निगम का काम

NOTES

REFERENCE TO P.W.A CODE CHRI. VII

Paras 39 & 81

2. In recording detailed measurements, the following general instruction should be carefully observed—

[a] Subject to such subsidiary orders as may be laid down by the local Government detailed measurement should be recorded only by Executive or Assistant Engineer or by Executive subordinate in-charge of work to whom measurement book have been supplied to the Executive Engineer for the purpose.

[b] All measurements should be neatly taken down in a measurement book Form 23, issued for the purpose in where else.

[c] Each set of measurement should commence with entries stating—

[i] In the case of bills for work done :—

- (a) Full name of work as given in estimate.
- (b) Situation of work (c) Name of contractor.
- (c) Number and date of his agreement, and
- (d) Date of measurement.

[ii] In the case of bills for supply of materials :—

[a] Name of supplier, [b] number and date of his agreement for order, [c] purpose of supply in one of the following forms applicable to the case—

[i] "Stock" [ii] "Purchase for direct issue to

[here enter full name of work as given to estimate]

[iii] "Purchases" or [here enter full name of work as given in estimate]

Issued to contractor _____
on _____ and

1st on ALC Bill

1.

Name of work -

Situation of work -

Agency by which work is executed -

Date of measurement -

No. and date of agreement.

(These four lines should be repeated at the commencement of the measurements relating to each work).

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
name of work:-	NH-40139				
TO Motha	NH-110 Area				
Agency:-	Santosh Gop				
	Village Korikurti.				
Agreement No:-	07/MMD/22-23.				
Package No:-	MR-N/22-23 Annual				
	01.				

Date of Commencement:- 09/12/22
Date of Completion:- 03/09/23.

Record entry

① providing clearing
and grubbing work
Complete SOB.

2x 2510 X 1.125 = 5647
or 0.564 Hae.

② providing Granular
Subbase G.S. 10
Grubbing - II material
Complete SOB.

Continuation

ABSTRACT COST

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	

Name of work: NH-129 to
near NH-110 Arwal.

Agency: Sanjesh Corp.

Agreement No: 07/MRD/22-23.

Package No: M.R.N/22-23 Arwal
01.

Date of Commencement: 09/12/22

Date of Completion: 08/09/23.

1/5. providing clearing
and grubbing road
land complete - 505.

MRB Page: 01.

Qty: 0.564 Hae

22032.43/Hae

145 34986.50

2/5. providing Granular
Sub base G.S.M. 600
material all 505.

MRB Page: 2.

Qty: 79.524 m³

2205.10/m³

145 175358.20

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
3/4. providing water exposed Macadam with 8cm WBM-2 Complete all 503.					
Trans page: 2.					
Qty: $71.857 m^3$					
$\approx 4492.71/m^3$					
Rs. 3231872					
4/5. providing water exposed Macadam WBM-2 all					
Complete 503.					
Trans page: 4.					
Qty: $175.60 m^3$					
$\approx 4344.88/m^3$					
Rs. 762776					
Rs. 762961					
762961					
5/6. providing and laying primer Coat on concrete Emulsion (SS-1) Complete all 503.					
Trans page: 4.					
Qty: $2340.76 m^2$					
$\approx 63.06/m^2$					
Rs. 147608					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6/6. providing mix Seal & laboring Type-13 all 503					
1 m ² page-05.					
Qty: 2340.76 m ²					
Q. 249.32/m ²					
MS- 5835982v					
7/8. providing Tack Coat (B. Turner (concrete 12-1) Complete all 503.					
1 m ² page-6.					
Qty: 9877.87 m ²					
Q. 21.54/m ² MS- 2127702v					
8/9. providing and Laying (semi dense bituminous concrete (SDBC) Complete all 503.					
1 m ² page-7.					
Qty: 188.43 m ³					
Q. 12718.72/m ² 2509656v					
MS- 2509597en					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
9/10. providing dry lean concrete sub base over prepared subgrade all 505.					
← TMB Page 7.					
Qty: 19.50 m ³					
② 3887.27/m ³					
✓ m ² 758025					
10/11. providing panel concrete drain cement concrete pavement all 505.					
← TMB Page 8.					
Qty: 196.91 m ³					
② 8033.89/m ³					
✓ m ² 15819535					
11/19. providing and setting of typical manhole in high traffic zone.					
← TMB Page 8.					
Qty: 310 m ³					
② 9940.00 continuation					
✓ m ² 298215					
m ² 64374545					
6437700					

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[illegible]

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Material statement					
Soil =					1567.125 m ³
8.5 mm Gr-II stone metal 2.6 mm to 9.5 mm					59.25 m³ 22.40 m ³
					886.0 / m ³ ✓
9.5 mm to 2.36 mm					23.86 m³
					424.21 / m ³ ✓
Local sand =					38.12 m ³
					143.32 / m ³

④ 8 mm metal (WRM-2)					
6.3 mm to 4.75 mm					86.945 m³
					925.0 / m ³ ✓
11.2 mm Grading-2					
Stone Screening =					19.40 m ³ ✓
					424.21 / m ³ ✓
⑤ WRM-3.					
5.3 mm to 2.5 mm					212.42 m³
					1080.50 / m ³
11.2 mm (Stone Screening)					42.14 m³
					424.21 / m ³ ✓

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① uniform emulsion (ss-1)					
@					1.989 MT
② uniform emulsion (res-1)					
=					2.90 MT 2.96 MT
③ uniform (s-90)					4.447 MT
④ uniform (s-65)					22.61 MT
Stone chips					269.46 m ³
⑤					1383.86 / m ³ .
⑥ Stone chips					177.20 m³
⑦					886.0 / m³
Sand					88.60 m³
⑧					494.0 / m³
⑨					
⑩					
⑪					
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Continuation

12-ton A/c Bldg

Memo of payment 8134866 →

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1) S.S. 5.1. 1/2	—	—	—	406743	✓
2) I-T 1/2 1/2	—	—	—	81349	✓
3) L-C 1/2 1/2	—	—	—	81349	✓
4) C.C. 5.1. 1/2	—	—	—	81349	✓
5) S.S. 5.1. 1/2	—	—	—	81349	✓
6) S. 1/2	—	—	—	101511	✓
7) Royalty	—	—	—	197599	✓
8) Cost of 1/2 Total Deduction	—	—	—	1031349	✓
9) By cheque	—	—	—	7103517	✓
— Total	—	—	—	8134866	✓
Amount paid 8134866 → eight					
one lakh thirty four thousand					

eight hundred sixty six

Executive Engineer
RWD (W) Division
Arwa

20/7/23

Continuation

2nd and final bill

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work: NH-139 to Motha NH-110 Arwal.					
Agency: Sandosh Corp					
Agreement No: 07/MRD/22-23.					
Package No: MRN/22-23/Arwal 01.					
Date of Commencement: 09/12/22					
Date of Completion: 08/9/23.					
Date of Actual Completion: 02/8/23. Recor entry					
① providing subgrade & shoulder all 502.					
2x 14x30M x 0.50x0.30 = 126.0					
2x 3x30M x 0.50x0.30 = 27.0					
2x 1x10x 0.50x0.30 = 3.0					
					156.0m ²

Continuation

ABSTRACT COST Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work: NH-139 to Motha NH-110 Arwal.					
Agency: Sandesh Corp.					
Agreement No: 07/MBD/22-23					
Package No: MRCN/22-23/Arwal 01.					
Date of Commencement: 09/12/22					
Date of Completion: 02/9/23					
1/1. providing electricity and haul way spread and Compaction.					
→ TMB page: 9.					
Qty = 0.564/Hac					
② 62032.47/Hac Rs = 34985 ✓					
2/2. Construction of Sub grade & Shoulders all 505.					
→ TMB page: 128 17.					
Qty = (1567.125 + 156.0)					
= 1723.125 m ²					
② 254.61/m ²					
Rs = 438725 = 00					

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
3/3. providing Granular Sub Base 6.0 m. Gr. II material Complete 5m. TMB Page: 9. Qty = 79.52 m ³ @ 205.10/m ³ RS = 175358/-					
1/4. providing water General macadam WIS m-2 all 5m. TMB Page: 10.					
Qty = 71.85 m ³ @ 4497.71/m ³ RS = 323187/-					
5/5. providing water General macadam WIS m-2 all 5m. TMB Page: 10. Qty = 175.60 m ³ @ 4344.88/m ³ RS = 762961/-					
6/6. providing water Gravel (SS-1) TMB Page: 10. Qty = 234076 m ³ @ 63.06/m ³ RS = 147608/-					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
7/2. providing raised Surfacing of 1000 Complete all 1000. ← This page: 11. Qty = 2340.76 m ² @ 249.32/m ² Rs = 583598.24					
8/8. providing and Cast / (100) 125 mm Emulsion Complete 1000. ← This page: 11. Qty = 9872.87 m ² @ 215.4/m ² Rs = 212770.24					
9/4. providing and Laying Reinforcement Continuous Concrete all 1000. ← This page: 11. Qty = 188.43 m ³ @ 1238.72/m ³ Rs = 235096.56					
10/10. providing and Lean Concrete all 1000. ← This page: 12. Qty = 19.58 m ³ @ 3882.27/m ³ Rs = 75802.24					

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
11/11. providing panel work - plan cement concrete panels all 5th.					↓
7th B page - 12.					
Qty = 195.91 m^3					
② $8033.89 / \text{m}^3$			105 =	$158 / 953$	
12/12. providing roof finishing complete					
7th B page - 21.					
① K.M Stone = 600 mts					
② $2590.33 / \text{each m}^2$				$1036 / \text{m}^2$	
(1) 900 m stone = 12.0 mts					
② $724.57 / \text{each m}^2$				9294	
13/13. providing extra reflect steel traffic 8500 Complete 5th					
7th B page - 22.					
Qty = 2.80 m^2					
② $14651.95 / \text{m}^2$			120 =	56263	
14/14. providing and fixing extra 2nd 2nd all 5th					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
7MB - 22.					
As common circular					
Angle = 22.0113					
4216.06/each					99752
(10) 600mm circular					
5.0113					
4151.99/each					20760
(11) 600mm x 650mm					
as rectangular					
8.0113					
4008.25/each					32066
(12) 900mm side					
Octagon					
8452.99/each					33811
15/15. providing round					
pillars (round)					
7MB page: 9.					
8.45					
40.0113					
636.57/each					25382
16/16. printing press letter					
sample					
7MB page: 1.21					
8.45					
35.2 percent					
0.63/percent					223

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
17/17. providing planting of 1000 by the road side all over.					
TM B paper: 22.					
Qty = 199.00 Nos					
Rs 1062.55/Each					
Rs = 211469/-					
18/18 providing road marking hot applied thermoplastic compound all over.					
TM B paper: 21.					
(i) RT painting: 300.00					
Rs 822.80/m ²					
Rs = 32787.25/-					
(ii) road marking					
Rs 30.00					
Rs 822.80/m ²					
Rs = 24214/-					
(iii) Edge of new					
Rs 106.00					
Rs 922.06/m ²					
Rs = 95684/-					
19/19. providing curb 1000 by typical Road all over.					
TM B paper: 12.					
Qty = 3.00					
Rs 9940.25/Each					
Rs = 29821/-					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
20/22. providing c/w in cement Mortar parapet repair all job.					
→ MIS Page: 18.					
Qty = 1.82 m ³					
→ 5681.25/m ³					
RS = 10340/-					
21/23. plastering repair parapet Complete job.					
→ MIS Page: 18.					
Qty = 13.12 m ²					
→ 121.41/m ²					
RS = 2249/-					
22/24. painting repair parapet all job					
→ MIS Page: 18.					
Qty = 13.12 m ²					
→ 115.90/m ²					
RS = 15205/-					
23/25. Batch masonry in parapet all complete job.					
→ MIS Page: 18.					
Qty = 6.90 m ³					
→ 5681.25/m ³					
RS = 39200/-					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
24/25 plastering plastering cement mud repair plaster Complete job TMB page 19. Qty = 48.96 m ² C 171.41/m ² RS = 8392.50					
25/26 plastering on repair plaster Complete job TMB page 19.					

Qty = 48.96 m²
C 115.90/m² RS = 5674.20

26/28. Plastering
B/W in plaster
repair all job
TMB page 19.
Qty = 7.20 m²
C 5681.25 m²
RS = 6090.50

27/29. Plastering
with cement
Complete job
TMB page 19.
Qty = 50.88 m²
C 171.41/m² RS = 8721.50

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
22/24. binding/ave					
laying of material					
800 all 50.					
7000 Rogeri 21.					
8247 60.0 R.M					
2998.48/R.M					
Qm 102 59905 = 0					
102 8021920 = 0					
7961375 = 0					
Add 18.1 h 8713 = 1643830 = 40					
1433047 = 50					
Add 1.1. L (es) 2 802192 = 80					
7961375 = 75					
Add 3 per 13 = 79254298					
102 9624578 = 18					
9553291 = 23					
96245					
955 = 32					
102 9623615 = 72					
9552335 = 90					
204 102 9623615 = 0					
9552336 = 0					
(es previous)					
102 8134866 = 00.					
102 1438750 = 00					
1417420 = 0					
22/8/23					
22/8/23					
22/8/23					

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	Material & Labour				
Soil =		156.0 m ³			
Bricks =		9356.0 Nos.			2.029/ft ²
Sand =		39.30 m ³			194.00/ft ²
Refined					
22/8/23					
JE					

~~Completion Certificate~~

The work has been completed as per Specification.

~~Refined~~ ~~22/8/23~~ ~~JE~~

~~Refined~~ ~~22/8/23~~ ~~A-1~~

Continuation

2nd and final bill

Memorandum of payment Rs. 1417470-

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1) S.D. St. Rs. —				70874	✓
2) J.T.H. Rs. —				14175	✓
3) L.C.H. Rs. —				14175	✓
4) C. & S.T.H. Rs. —				14175	✓
5) S. & S.T.H. Rs. —				14175	✓
6) S. P. Rs. —				✓ 8186	—
7) Royalty Rs. —				✓ 11464	—
8) P. cont. hand Rs. —				✓ 126880	—
Total deduction				274104	✓
By cheque Rs. —				1143366	✓
Total				1417470	✓
Amount for Rs. 1417470					

Forstean Laps Laxeston hand
four hundred & seventy only

Executive Engineer
RWD W Division
Arwal

28/8/23