

NH 110 Giddam Singh College to Electric Sub Power
Station

Schedule XLV-Form No. 134

Akrul

DIVISION

Akrul

SUB-DIVISION

828

Measurement Book

Santosh Gop

ARWA DIVISION

ARWA SUB-DIVISION

Measurement Book

No. 828

Name of Officer _____

Date of first entry _____

Date of last entry _____

प्रमाणित किया जाता है कि दस्तावेज
 पुष्टि के लिए मंजूर है।
 पुष्टि के लिए मंजूर है।
 पुष्टि के लिए मंजूर है।
 पुष्टि के लिए मंजूर है।

Sch. XLV-Form No. 134

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 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 entry full name of work as given to estimate]

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

Issued to contractor _____ and _____ on _____

(d) Date of measurements should end with the dated initials of the officer marking the measurement, (See all paragraph 24)

A suitable abstract should than be prepared which/ Should collect in the case of measurements for work done the total quantities of each district item of work relating to each sanctioned Sub-head.

(e) As all payment for work suppliers based on the quantities recorded in the measurement book it is incumbent upon the person taking the measurements to record the quantities clearly and accurately. If measurements are taken in connection with a running contract account on which work has been previously measured he is further responsible (1) that reference to the last set of measurement is recorded and (2) that if the entire job or contract has been completed the fact is recorded prominently just above his initials.

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-110 Godan					
Single cottage to electric					
power sub station.					
Agency: Santosh Corp.					
Agreement No: 07/MBD/22-23.					
Date of Commencement: 09/12/22					
Date of Completion: 08/9/23.					

Receipt No: M.R.H/22-23/Amal
01.

Record entry

① providing clearing
and chubbing soil
land all 505.

$$2 \times 20 \times 30 \times 1.25 = 1350.0$$

$$= 1350$$

$$= \frac{1350}{10000} = 0.135$$

② providing granular sub
base at 13 mm 9T all 505.

$$5 \times 5.0 \times 1.30 = 32.5$$

$$2 \times 5.1 \times 1.50 = 15.30$$

$$5 \times 5.2 \times 1.30 = 33.8$$

$$3 \times 4.90 \times 1.60 = 23.52$$

$$2 \times 6.0 \times 1.32 = 15.84$$

$$4 \times 3.98 \times 1.38 = 21.96$$

$$142.92 \text{ m}^2$$

continuation

ABSTRACT COST

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work: NH-110 Godanvi Singh college to electric power sub station.					
Agency: Sandosh Corp					
Agreement No.: CT/MAD/22-23					
Date of Commencement: 09/12/22					
Date of Completion: 08/9/23.					
Package No.: MRN/22-23 Annual, 01.					

1/3 Clearing and grubbing					
work of all job.					
TMP Page: 1.					
Qty: 0.135 Hec.					
@ 62032.43/Hec. Rs. 8374/-					
2/3 Providing Manholes					
Sub G.I. for 41					
material all job.					
TMP Page: 2.					
Qty = 21.400 m ³ .					
@ 2195.94/m ³					
Rs. = 47142/-					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
3/4. Ponding water					
Bourel Macaelam					
WBM - 2 all job.					
→ TMB page - 2.					
Qty = 19.62 m ³					
② 4476.72/m ³ 19 = 87833 = ✓					
4/5. Ponding water					
Bourel Macaelam					
WBM - 3 all job.					
→ TMB page - 3.					
Qty = 44.632 m ³					
② 4326.42/m ³ 19 = 193096 = ✓					
5/6. Ponding area					
Laying primer					
(cont 195 form)					
conclusion/SS-1)					
Complete job.					
→ TMB page - 3.					
Qty 2.59509/m ²					
② 62.08/m ²					
19 = 37538 = ✓					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6/7. provided mix seal surface type is all over					
→ TMB page 4.					
Qty = 595.09 m ²					
② 249.01/m ² res 2 148/832					
7/8. provided mix seal (refuse) emulsion 13-1 complete					
→ TMB page 4.					
Qty = 2988.84 m ²					
② 21.55/m ² res 7 53634					
8/9. provided and laying semi dressed 12th minous concrete 1/2 (S.D. 12)					
→ TMB page 5.					
Qty = 42.30 m ³					
② 13309.37/m ³ res 2 29851					

Continuation

Sch. XLV-Form No. 154					Contents of area
Particulars	Details of actual measurement				
	No.	L.	B.	D.	
9/10. parking p.c.c					
1200 plain cement					
concrete complete					
all 703.					
15013 page 105					
8445 50.60m ³					
7644.59/03					
152 463268					
10/18. parking area					
finishing masonry					
informative sign					
Round all 703.					
15013 page 106					
8445 20.41m ³					
9943.85/cach					
152 19888					
152 16888/2					
Add 18% GST 152 303986					
Add 1% L.C.E.S 152 16888					
152 2009485					
Less below 0.01% 152 200 = 96					
152 2009485					
Less 152 2009485					
22/7/23					
Continuation					
22/9/23					
A.B					

Sch. XLV-Form No. 134

Sch. XLV-Form No. 154		Details of actual measurement				Contents of area
Particulars						
	No.	L.	B.	D.		
material statement						
① Stone metal					15.54 m ³	
② Local Sand					10.30 m ³	
③ Stone metal					25.74 m ³	
④ Stone screening					5.09 m ³	
⑤ Stone metal					54.0 m ³	
⑥ Stone screening					10.71 m ³	
⑦ emul 85 m / SS-1					0.50 MT	
⑧ emul 85 m / AS-1					0.553 MT	
⑨ Ridum (5-50)					1.13 MT	
⑩ Ridum (5-65)					5.68 MT	
⑪ Stone chips					67.71 m ³	
Total						
22/7/23						
S.E.						
cap						
23/7/23						
S.E.						
23/7/23						
A.E.						

Continuation

1st M.A.C. Bill

Hemo of payment Rs 200,9485-
12

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1) S.D.H. Rs	—		100	474	✓
2) I.T.H. Rs	—		20	095	✓
3) L.C.H. Rs	—		20	095	✓
4) C.G.S.T.H. Rs	—		20	095	✓
5) S.G.S.T.H. Rs	—		20	095	✓
6) S.P. Rs	—		✓16	352	✓
7) Royalty Rs	—		✓27	322	✓
Total Deduction Rs	—		224	528	✓
8) By cheques Rs	—		1784	957	✓
Total	—		2009	485	✓
Amount for Rs 2009485- Twenty lakh nine thousand four hundred and eighty five					

Executive Engineer

RWD (W) Division

Arwal

28/2/23

2nd and final bill

13

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
name of work: Mt-110 Kadani Singh College Scientific Power sub station.					
Agency: Santosh Corp.					
Agreement No: 07/MRD/22-23.					
Package No: MRN/22-23/Arwal 01.					

Date of Commencement: 09/12/22
Date of Completion: 08/3/23

Actual Date
Completion:

Record entry

① providing subgrade
& shoulder complete.

$$2 \times 20 \times 30 \times 1.10 \times 0.30 = 396.00$$

② providing cover marking
for hot asphalt complete
132 m² complete at 505.

$$2 \times 500 \times 0.10 = 100.00$$

providing covering
2x2 x 6.0 x 1.00 m²

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>p.c.c. portion</u>					
2 x 100 x 0.10 = 20.0 m ²					
③ providing curve					
furrows all 505.					
(i) K.M stone 2.0 m ²					
(ii) 200 m stone 2.0 m ²					
④ providing retroreflective					
traffic sign direction					
200 m all 505.					
Qty = 2 x 1.20 x 0.80 = 1.92 m ²					
⑤ providing retro					
reflective paint					
Complete 505					
(i) 600 mm circular 12.0 m ²					
(ii) 600 mm circular 2.0 m ²					
(iii) 600 mm x 450 mm					
rectangular 4.0 m ²					
(iv) 700 mm side octagon 2.0 m ²					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑥ providing boundary pillar/round head complete all job. Qty = 18.0 Nos.					
⑦ providing new letter's and frame every shade = $1/4 \times 2.0$ = 88.0 Nos/cm/lot					
⑧					
⑨					
⑩					
⑪					
⑫					
⑬					
⑭					
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①
29/12/23
JE

①
29/12/23
JE

Record entry

- ① providing plank of free avel their maintenance all job.
500/20 = 25.0 Nos.
- ② providing r/w in principal separ
Complete job
= $2 \times 2 \times 4.80 \times 0.40 \times 0.60 = 4.60 \text{ m}^3$
- ③ plastering with cement plaster in separ passage
Complete job

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2 x 4 x 4.80 x 0.60 =					23.04
2 x 2 x 4.80 x 0.40 =					7.68
2 x 4 x 0.40 x 0.60 =					1.92
					<u>32.64 m²</u>

④ painting on plaster
surface complete
all 505.

Same as plaster
Area = 32.64 m²

~~⑤ Providing Cement
masonry work~~

87.50 m² all 505.

~~4 x 250 x 2.00 = 2000.~~

~~2000~~ ~~20 P.M.~~

~~100~~

~~⑥~~

⑤ providing masonry
summary calculation.

Qty = 1.0 NO

~~⑥~~
30/7/23

~~⑥~~
30/7/23
P.V.

Continuation

ABSTRACT COST

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work: Middle Gadar Singh college for electric power station.					
Agency: Santosh Corp.					
Agreement No: 07/MPD/22-23.					
Package No: MP-N/22-23/Anna					
Date of Commencement: 09/10/22					
Date of Completion: 02/8/23.					
1/1 clearing and grubbing work.					
Land all job.					
MPB page: 7.					
Qty = 0.125/ha					
62032.43/ha					
83745m					
2/2 Subgrade shoulder					
Sample = 5m					
MPB page: 13.					
Qty = 403.20m ³					
254.61/ha					
Continuation 102659m					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6/6 providing prime coat 1st all 503.					
→ TMB page - 8.					
Qty = 595.09 m ²					
→ 63.08/m ² RS = 375382					
7/2 providing mix seal surface					
→ type - R all 503					
→ TMB page - 9.					
Qty = 595.09 m ²					
→ 24901/m ² RS = 1481832					
8/8 providing and applying					
→ 1st coat (RS 10)					
Complete all 503.					
→ TMB page - 9.					
Qty = 248884 m ²					
→ 21.55/m ²					
RS = 53634500					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6/6. providing prime coat 1st all over.					
→ TMB page - 8.					
Qty = 595.09 m ²					
→ 63.08/m ² RS = 375382					
7/7. providing mix seal surfacing					
→ type - R all over					
→ TMB page - 9.					
Qty = 595.09 m ²					
→ 249.01/m ² RS = 1481832					
8/8. providing and applying					
→ 1st coat (1st)					
Complete all 503.					
→ TMB page - 9.					
Qty = 248884 m ²					
→ 21.55/m ²					
RS = 53634500					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	H.	
for providing and laying semi circular brickwork concrete pavement Complete 5m					
TMB page: 9					
Qty = 47.35 m^3					
@ $13302.37/\text{m}^3$					
Rs = 629851.71					
10/10. providing and laying Concrete pavement R.C.C. slab Complete all 5m					
TMB page: 10					
Qty = 60.60 m^3					
@ $7644.69/\text{m}^3$					
Rs = 463268.74					
11/11. providing and laying furniture all 5m					
TMB page: 11					
(i) Kitchen 2.0 x 1.5					
@ $2599.17/\text{sqm}$ Rs = 5188.34					
(ii) room 2.0 x 1.5					
@ $275.25/\text{sqm}$ Rs = 1550.00					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
12/12 providing retro reflective sheet					
Direction road					
Time paper: 14.					
Qty = 1.92 mt					
= 14554.25/m ² ps = 281362					
13/13 providing and prime retro reflective sheet					
for all 25 g					
Board all 25					
Time paper: 14.					
(i) 600mm circular 2.0					
1/212.84/each ps = 506142					
(ii) 600mm circular 2.0					
4153.79/each ps = 83072					
(iii) 600mm x 600mm					
2010.25/each ps = 160602					
(iv) 900mm side octagon 2.0					
8454.78/each ps = 169092					

Continuation

Sch. XLV-Form No. 134

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

14/14 providing 120 m² of
 filler material
 complete - 575.

Temp page: 15.

8442 1200 m²

624.88/each 125 114225

15/15. providing new
 ledger and
 figures all 505.

Temp page: 15.

8442 88.0 percent

0.63/percent

125

55

16/16. planting of tree
 by the fence
 all 505.

Temp page: 15.

8442 25.2 m²

1062.66/each

125 28556

17/17. providing and
 marking all 505

(1) 125 m² 100.0 m²

823.80/m² 125 82380

(1) 125 m² 100.0 m²

823.80/m² 125 9085

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
18/18. providing and fixing masonry infilling Sign board all the					
← TMB page: 108/16.					
Qty = (2.1) = 3.0					
② 9942.85/each					
125 = 298312V					
19/19. Brick masonry repair of parapet					

Complete 50.					
← TMB page: 15.					
Qty = 4.62 m ³					
② 5681.25/m ³					
125 = 26/332V					
20/20. plastering repair of parapet all the					
← TMB page: 16.					
Qty = 32.64 m ²					
② 122.90/m ²					
125 = 56372V					
21/21. painting on plastering surface					
← TMB page: 16.					
Qty = 32.64 m ²					
② 115.90/continuation					
37832V					

[illegible]

Completion certificate
work has been completed
As per specification.
~~Handwritten signature~~ 22/8/23
~~Handwritten signature~~ 22/8/23

Continuation

2nd and Final Bill

Memo of payment ²⁶ Rs. 523722-00
Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1) S.D S.I. Rs. —			26	186	✓
2) I.T I.H. Rs. —			5	237	✓
3) L.C I.H. Rs. —			5	237	✓
4) C.G.S.T H. Rs. —			5	237	✓
5) S.G.S.T H. Rs. —			5	237	✓
6) S.R. Rs. —			✓3	323	—
7) Royalty Rs. —			✓14	817	—
8) P. Cost Rs.			✓15	940	—
Total deduction —			65	274	—
			81	214	✓
9) By cheques 442508			✓58	448	—
Total			523	722	—

Paid for Rs. 523722-00

Lakh - twenty - three - thousand - seven hundred - twenty - two - only

Executive Engineer
RWD (W) Division
Arwal

28/8/23