

Sidarampur Bigha To Sidarampur  
Paddy road. 111933

## Schedule XLV-Form No. 134

Executive Engineer  
R.W.D (W), Division  
Arwal

DIVISION

Banshi

SUB-DIVISION

744

**MEASUREMENT BOOK**

प्रमाणित किया जाता है कि इस मापी पुस्तिका  
 में मशीन द्वारा कुल 100 (सौ) पृष्ठ हैं।  
 श्री. प्रतीक कुमार, सहायक अभियंता  
 राज्य सड़क प्रकल्प, पेशी को प्रमाणित  
 जाता है।

Schedule PLV-Form No. 134

# NOTES

REFERENCE TO P. W. A. Code  
 Para 39 & 40

Executive Engineer  
 R.W.D (W), Division

1. In recording detailed measurements the following general instructions should be carefully observed.
  - (a) Subject to such subsidiary orders as may be laid down by the local Government detailed measurements should be recorded only by Executive or Assistant Engineers or by Executive subordinates in-charges of work to whom measurement books have been supplied by the Executive Engineer for the purpose.
  - (b) All measurements should be taken down in a measurement book Form 23, issued for the purpose, nowhere else.
  - (c) Each set of measurement should commence with entries starting:-
    - (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.
      - (d) Number and date of his agreement and
      - (e) Date of measurement
    - (ii) "Stock", (ii) "Purchase" for direct issue to (here enter full name of work as given in estimate)
    - (ii) "Purchase" for (here enter full name of work as given in estimate) issued to contractor ..... on ..... and
    - (d) Date of measurements and should end with the Paid initials of the officer marking the measurement, see also paragraph 24. A suitable abstract should then be

measurement for work done, the total quantities of each distinct item of work relating to each sanctioned sub-head.

- (d) As all payments for work supplies are based on the quantities recorded in the measurement books it is incumbent upon the person taking the measurement to record the quantities clearly and accurately. If the 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 measurements is recorded and (2) that if the entire job or contract has been completed the fact is recorded prominently just above his initials.
- (e) Entries should be recorded continuously in the measurement book No blank pages may be left and no page be turned out. Any page left inadvertently must be cancelled by diagonal lines. The cancellation being attested. See also paragraph or the Public Work Department Code.
- (f) No entry may be erased, if a mistake is made it should be corrected (and dated) by the responsible officer in the manner prescribed in paragraph 335 of the Public Works Department Code. When any measurements are cancelled, the cancellation, must be supported by the dated initials of the officer ordering the cancellation or by reference to his orders initialled by the officer who made the measurements in either case the reason for cancellation should be provided with an index which should be kept upto date.



1st on A/C B.71

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 measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work: - Sidhampur					
Bigha To 2 to Sidhampur					
Dingsy Road.					
Agro No. - 37/88/W. Mansy/2020-21					
Agency - M/s Jai Mata Di Enterprises					
Uttaranchal, P.O. Kachharsa					
(Annual)					
Date of start: - 12-03-2021					
Date of Completion: - 11-03-2022					

1) PIV & fixing of working bench marks - do - do					
Qty = 1.00 Nos					
2) clearing & grubbing of Road land - do - do					
1 x 155 x 3.50 = 542.50 m <sup>2</sup>					
In Hect - $\frac{542.50}{10000} = 0.0542$ Hec					
say 0.05 Hec					
3) E/W excavation in foundation -					
2 x 4.15 x 1.40 x 1.47 = 17.08					
1 x 5.78 x 1.07 x 0.250 = 1.55					
Total Qty = 18.63 m <sup>3</sup>					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4) Plv first class bedding					
— do —					
1 x 5.78 x 1.07 x 0.55 =					3.40 m <sup>3</sup>
Deduction for pipe					
1 x 5.78 x 0.22 =					(-11.270 m <sup>3</sup> )
					2.130 m <sup>3</sup>
5) Plv Pcc M15 in foundn					
— do —					
2 x 8.85 x 1.40 x 0.15 =					1.62 m <sup>3</sup>
6) Head wall in brick					
Masonry in C.M (1:4)					
— do —					
2 x 3.85 x 0.825 x 2.005 =					12.74 m <sup>3</sup>
2 x 3.85 x 0.60 x 0.40 =					1.85 m <sup>3</sup>
Deduction					
2 x 0.465 x 0.61 x 0.570 =					(-0.570 m <sup>3</sup> )
					14.02 m <sup>3</sup>
7) Plv & laying Rcc NP3					
600 mm Ø pipe — do —					
2 x 2.50 =					7.50 m
8) plastering with C.M (1:4)					
— do —					
4 x 3.85 x 1.00 =					15.40 m <sup>2</sup>
4 x 0.40 x 0.50 =					0.80 m <sup>2</sup>
2 x 3.85 x 0.40 =					3.08 m <sup>2</sup>
2 x 3.85 x 0.60 =					4.62 m <sup>2</sup>
Continuation					23.90 m <sup>2</sup>

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
9) Painting on Concrete					
Steel surface - do -					
Qty vide item No-8					
Page - 2					
Qty = 23.90 m <sup>2</sup>					
10) Construction of embankment with material obtained from - do -					
Chainage (m)	Area (m <sup>2</sup> )	Mean Area (m <sup>2</sup> )	Length (m)	Qty (m <sup>3</sup> )	
0	2.140	—	—	—	
50	2.100	2.12	50	106.00	
100	1.80	1.95	50	97.50	
155	0.00	0.90	55	49.50	
			Total	Qty = 253.00 m <sup>3</sup>	
(i) 1000 m lead 30%					
253.00 x 0.30 = 75.90 m <sup>3</sup>					
(ii) 100 m lead (70%)					
253.00 x 0.70 = 177.10 m <sup>3</sup>					
11) Construction of granular sub base by provide - do -					
2 x 15.5 x 0.475 x 0.100 = 14.73 m <sup>3</sup>					
6 x 1.80 x 0.60 x 0.200 = 1.296 m <sup>3</sup>					
4 x 2.60 x 1.50 x 0.100 = 1.248 m <sup>3</sup>					
Continuation					
3 x 3.00 x 1.50 x 0.100 = 1.350 m <sup>3</sup>					
Total 18.624 m <sup>3</sup>					



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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
12) ply & fixing separately					
1x 155 x 3.75 x 0.075 = 43.59 m <sup>2</sup>					
Add (2x) for curve (+) 0.87 m <sup>2</sup>					
					Qty 244.46 m <sup>3</sup>
13) Const. of unreinforced					
Cement concrete choko -					
5x 300 x 3.75 x 0.160 = 290.00 m <sup>3</sup>					
1x 5x 3.75 x 0.160 = 23.00 m <sup>3</sup>					
Add (2x) for curve (+) 93.00 m <sup>3</sup>					
					1.86 m <sup>3</sup>
					94.86 m <sup>3</sup>
14) ply & fixing of typical					
mm G.S. intermediary str.					
board - do - do					
					Qty = 2.00 m <sup>3</sup>
15) Road marking with					
hot applied thermoplastic					
do -					
2x 155 x 0.10 = 31.00 m <sup>2</sup>					
16) Const. of subgrade - do - do					
2x 100 x 1.225 x 0.160 = 39.20 m <sup>3</sup>					
2x 100 x 1.400 x 0.075 = 21.00 m <sup>3</sup>					
2x 100 x 1.575 x 0.100 = 31.50 m <sup>3</sup>					

Continuation

5/12/2024

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<b>ABSTRACT OF COST</b>					
1/1 Const. of reference pillar - de -					
1.00 Nos				VTMBP-1	
@ R 1604.26/each				R	1604.26
2/2 Cleaning & grubbing of Road land - de - de -					
0.05 Hect				VTMBP-1	
@ R 52970.83/Hect				R	2648.54
3/3 Excavation for road work - de - de -					
18.63 m <sup>3</sup>				VTMBP-1	
@ R 75.57/m <sup>3</sup>				R	1407.81
4/4 Const. of embankment - de - de - 1000 m lead -					
75.90 m <sup>3</sup>				VTMBP-3	
Lt 64.87 m <sup>3</sup>					
@ R 190.36/m <sup>3</sup>				R	12348.84
5/5 100 m lead - de - de -					
177.10 m <sup>3</sup>				VTMBP-3	
Lt 151.36 m <sup>3</sup>					
@ R 154.28/m <sup>3</sup>				R	23351.28
6/6 Const. of subgrade & earthy shoulder - de - de -					
91.70 m <sup>3</sup>				VTMBP-4	
@ R 192.04/m <sup>3</sup>				R	17610.28

Continuation



Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
7/7 Const of G.S. D Gr L-do-					
18.624 m <sup>2</sup>					VTMBP-3
@ R 2007.18/m <sup>2</sup>					R 37116=00
8/8 Plv & laying subgrade					
244.46 m <sup>2</sup>					VTMBP-4
@ R 2678.62/m <sup>2</sup>					119.091200
9/9 Const of unreinforced concrete					
Concrete pavement do-					
94.86 m <sup>2</sup>					VTMBP-4
@ R 5622.40/m <sup>2</sup>					R 533341200
10/10 Plv & fixing masonry					
informatory sign board					
2.00 Nos					VTMBP-4
@ R 9247.62/each					R 18495200
11/18 Road marking with hot					
applied thermoplastic do-do					
31.00 m <sup>2</sup>					VTMBP-4
@ R 74.93/m <sup>2</sup>					R 22380200
12/19 e/w in excavation do-					
18.63 m <sup>2</sup>					VTMBP-1
@ R 279.09/m <sup>2</sup>					R 5199200

Continuation



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Particulars	Details of actual measurement			Contents of area
	No.	L	B.	
13 Type-B first class bedding				
20 <del>do</del> <del>do</del>				
2.130 m <sup>3</sup>			VTMBP-2	
@ R 473.78/m <sup>3</sup>				R 1052.00
14 Ply pce mis in foundry				
21 <del>do</del> <del>do</del>				
1.62 m <sup>3</sup>			VTMBP-2	
@ R 4243.48/m <sup>3</sup>				R 6874.00
15 Head wall in B/M				
22 in CM (1:1:4) <del>do</del> <del>do</del>				
14.02 m <sup>3</sup>			VTMBP-2	
@ R 5361.84/m <sup>3</sup>				R 75173.00
16 Ply & quarry pce NP3 pce				
23 <del>do</del> 600 mm <del>do</del>				
7.50 m			VTMBP-2	
@ R 2596.30/m				R 19472.00
17 plastering with CM (1:1:4)				
24 <del>do</del> <del>do</del>				
23.90 m <sup>2</sup>			VTMBP-2	
@ R 144.09/m <sup>2</sup>				R 2070.00
18 Painting on steel/				
25 concrete surface <del>do</del>				
23.90 m <sup>2</sup>			VTMBP-2	
@ R 13983/m <sup>2</sup>				R 1960.00

Continuation

Total R 898485.00

[illegible]

~~John~~  
5/12/2021