

NH-83 To Karki Bigha.
Mansy (Sc)

Schedule XLV-Form No. 134

EE Koo (Co) → Tehanvi DIVISION

A.E. Koo (Co) Meerkhul SUB-DIVISION
2572

Measurement Book

EE, Rco D (Co) Tehandi DIVISION
AE, Rco D (Co) Makhalambur SUB-DIVISION

Measurement Book

No.

2572

Name of officer

Date of first entry

Date of last entry

Schedule PLY Form No. 134

NOTES

REFERENCE TO R.W.A. CODE (HPLV)
Para 39 & 81

1. In recording detailed measurements the following general instructions should be carefully observed:-
 - (a) Subject to such substantial alterations 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-charge 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
 - (i) "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

prepared which / should collect in the case of 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 record continuously in the measurement book No blank pages may be left and no page be turn out. Any page left in adveitenly 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, of a mistake is made it should be correct (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 refrence 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.

2nd on A/c Bill

8

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work :- Construction of road from NH-83 to Kukuribigha					
Agency :- Kuman Siddhanta Prakash, Bismansoor, Ramna Road, Gaya.					
Agg. No. :- 12580/2019-20					
Date of commencement - 24/07/2020					
Date of completion - 23/07/2021					
Date of measurement :- 20/08/2020					

① Construction of granular sub base (Gr-I) by providing well graded material as per Specⁿ — do — do —

Box cutting portion

$$2 \times 10 \times 30 \times 0.375 \times 0.100 = 22.5$$

$$2 \times 10 \times 30 \times 0.375 \times 0.100 = 22.5$$

$$2 \times 1 \times 30 \times 0.375 \times 0.100 = 2.25$$

$$2 \times 1 \times 20 \times 0.375 \times 0.100 = 1.50$$

Per sq. m

Total 48.75 m³

for profile correction

$$10 \times 3.00 \times 1.50 \times 0.150 = 6.750 \text{ m}^3$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$6 \times 2.40 \times 1.20 \times 0.120 = 2.074 \text{ m}^3$					
$5 \times 2.10 \times 1.40 \times 0.150 = 2.205 \text{ m}^3$					
$8 \times 1.80 \times 2.00 \times 0.100 = 2.880 \text{ m}^3$					
$4 \times 2.00 \times 1.25 \times 0.125 = 1.250 \text{ m}^3$					
$8 \times 1.50 \times 1.20 \times 0.150 = 2.160 \text{ m}^3$					
$9 \times 1.45 \times 1.10 \times 0.150 = 2.153 \text{ m}^3$					
Total = 19.472 m					

2. extra for Curve widening
= 0.98 m³

Total qty = 69.20 m³

② Providing, laying, spreading & Compacting Stone agg. of 80 Sizes to WBM from III - do do

$$1 \times 10.00 \times \frac{10.00 + 5.90 + 4.40}{3} \times 0.075 = 5.075 \text{ m}^3$$

$$2 \times 30.00 \times 3.75 \times 0.075 = 16.875 \text{ m}^3$$

$$1 \times 20.00 \times \frac{3.95 + 3.80 + 3.90}{3} \times 0.075 = 5.825 \text{ m}^3$$

$$6 \times 30.00 \times 3.75 \times 0.075 = 50.625 \text{ m}^3$$

$$1 \times 30.00 \times \frac{3.80 + 3.95 + 3.80}{3} \times 0.075 = 8.6625 \text{ m}^3$$

$$1 \times 30.00 \times \frac{3.90 + 4.05 + 3.75}{3} \times 0.075 = 8.775 \text{ m}^3$$

Continuation

Revised
24/8/20
AB

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
5 x 30.00 x 3.75 x 0.075 =					42.187
1 x 30.00 x $\frac{3.85 + 4.00 + 3.80}{3}$ x 0.075 =					8.737
4 x 30.00 x 3.75 x 0.075 =					33.75
1 x 20.00 x $\frac{4.50 + 3.75 + 4.20}{3}$ x 0.075 =					6.225 m
Total qty =					186.74 m
6.225 m - 18					
Permit Rs.					
20/08/2020					
TE					
Res.					
24/9/20					
AE					

Abstract of Cost

x

1) Setting out Working Benchmark

- do - do - V.T.M.B.P-5

1 No. @ Rs. 3609.75/each

= Rs. 3610.00

2/2) Reference pillars

- do - do - V.T.M.B.P-5

3.00 Nos. @ Rs. 1640.53/each

= Rs. 4922.00

3/4) Construction of Embankment

material obtained from borrow

pit 1000 m lead - do - do -

V.T.M.B. P-5

Continuation

586.45 m³ @ Rs. 175.11/m³

= Rs. 102698.07

111225--

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4/3) Clearing & grubbing of sand land — do — do — V.T.M.B P-5					
0.260 Hect. @ RS. 99529.68/Hect					
					= RS. 12896.00
5/21) Excavation in foundation — do — do — V.T.M.B P-5					
31.324 m ³ @ RS. 285.17/m ³					
					= RS. 8932.00
6/22) Providing Rec MIS in foundation — do — do — V.T.M.B P-6					
5.691 m ³ @ RS. 420.57/m ³					
					= RS. 23962.00
7/23) Brick masonry work in cement mortar (1:4) — do — do — V.T.M.B P-6					
27.738 m ³ @ RS. 5670.27/m ³					
					= RS. 157281.00
8/24) Providing Rec NPS pipe (H.Pe) of 60mm φ — do — do — V.T.M.B P-6					
15.00 m @ RS. 1165.17/m					
					= RS. 17477.00
9/25) Plastering with cement mortar (1:4) 15 mm thick — do — do — V.T.M.B P-6					
76.95 m ² @ RS. 148.77/m ²					
					= RS. 11448.00

Continuation

342931 =

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
10/8) Construction of granular sub-base (Gr-I) by providing well graded material					
-do-do- V.T.M.B.P-9					
69.20 m ³ @ RS. 1591.10					
					= RS. 1,10,104.10
11/8) Providing, laying & spreading & compacting of WBM Gr-III					
-do-do- V.T.M.B.P-10					
186.74 m ³					
LT. 186.47 m ³ @ RS. 2138.90/m ³					
					= RS. 3,97,179.10

Total = RS. 7,55,060.10	
Less 10% as per agg.	247484.10
= (-) RS. 75,506.10	247484.10
= RS. 6,79,554.10	
Less for provision	762135.10
= (-) RS. 308,976.10	
Payment	123598.10
= RS. 3,70,558.10	
RS. 5,55,956.10	
639138.10	

Permit K.
20/08/2000
JE

RS.
24/8/00
AB

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>material statement</u>					
G.S.B					
1) (53mm - 26.5mm) - 29.81 m ²					
@ Rs 458.22 / m ²					
2) (26.5mm - 4.75mm) - 37.68 m ²					
@ Rs 375 499.76 / m ²					
3) (2.36 mm & below) - 16.75 m ²					
@ Rs 185.94 / m ²					
Welded Metal - 225.95 m ³					
@ Rs 458.22 / m ³					
Stone Dust :- 44.82 m ³					
@ Rs 375.52 / m ³					

1) G.S.B

$$(a) (53\text{mm} - 26.5\text{mm}) = 29.5\text{mm}$$

@ R 458.22 /m²

$$(b) (26.5 \text{ mm} - 4.75 \text{ mm}) = 37.68 \text{ mm}$$

② R ~~33.6~~ 499.76 / m²

(c) (2.36 mm & below) - 16.75 m³

@ 185.94/m²

② $\text{WBM Metal} - 225.95 \text{ m}^3$

@ RB 453.22 / m²

3) Stone Dust: - 44.82 m³

④ Rs 345.52/m³

20/08/2020
TE

2008

 $\frac{1}{2}$

Continuation