

Madanpur Deo (Umaga temple to Shreeghee temple) Ad Haganban

Schedule XLV - Form No. 1343 - New Maint Policy - 2018

Page No. 1343

BIHAR P. W. D.

EE R.W.D. Wary Aurangabad DIVISION

EE Madanpur S.D. DIVISION

MEASUREMENT BOOK.

140/2907

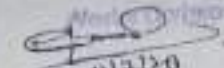
Agency - Kils Agrawal Const.

Certified That This Bill Contains (100)
Pages By Printers Machine And Issued
To Sh. Baban Ram A.E.R.W.D.
Work Sub Div. Madanpur

Ysh
10/17/20

Executive Engineer
Road Works Division, in

Madanpur, Aurangabad


10/17/20

2 1/2

Schedule XLV - Form No. 134

E.E. A. Bad

DIVISION

A.E. (A) Madanpur

SUB-DIVISION

MEASUREMENT BOOK

111336 2907

Name of owner Sh. Baban Ram A.E.

Madanpur

Name of the owner

Name of the owner

Name of the owner

NOTES

REFERENCE TO P. W. DEPT. CHY. VII.

PART 10 IN 3

In making detailed measurements, the following general instructions should be carefully observed:

- (a) Subject to such subsidiary orders as may be issued from time to time by the Local Government detailed measurements should be recorded only by Executive or Assistant Engineers or by executive subordinates in charge of work in which measurements books have been supplied by the Executive Engineer for the purpose.
- (b) All measurements should be made when done in a

(c) Each end of measurement should be accompanied with correct stating—

- (i) In the case of bills for work done—
 (a) Particulars of work as given in estimate.
 (b) Extension of work (c) Name of contractor.
 (d) Number and date of the agreement and
 (e) Date of completion of work.

(ii) In the case of bills for supply of materials—

- (a) Name of supplier, (b) number and date of the agreement in order, (c) purpose of supply in one of the following forms applicable to the case.

(1) "Stock," (2) "Purchase" for direct issue to
 (a) Name of contractor, (b) Name of work as given in

(c) "Purchase" for direct issue to the name of work as

(d) Name of contractor, (e) Name of work as

and (f) date of measurement and
 should end with the date, initials of the officer
 making the measurements. In the paragraph 11. A
 further instruction should be given.

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.

- (d) As all payments for work supplies are based on the quantities recorded in the measurements book it is incumbent upon the person taking the measurements 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 measurement is recorded and (2) that 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 torn out. Any page left blank inadvertently must be cancelled by diagonal lines the cancellation being attested. See also paragraph 335 of the Public Works Department Code.
- (f) No entry may be erased. If a mistake is made, it should be corrected (and dated) by the responsible officer 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 a reference to his order initialled by the officer who made the measurements. In either case the reason for cancellation should be recorded.

Each measurement book should be provided with an index which should be kept up to date.

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 relative to each work)

Particulars	Details of actual measurement				Contents Area
	No.	L	B	D	
1st on 21.06.20					
Name of Work	X- Madanpur 2nd (Vengal Temple)				
	to Sirhindka Canal Pali Hosambay				
Agency	M/s Arund construction, New Area,				
	Sirhindka				
Ag. Value	150000/-				
Agreement No.	75.018.3				
Package No.	M/N-1/19-20 Arundka/40				
Date of Work Start	21.09.2020				
Date of completion as per agree	22.06.21				
to tail					
(1) clearing and trucking road land					

(By manual means) ...

as per technical specification.

$$2 \times 3350.10 \times 1.00 = 6700.10$$

$$\text{ie. } 0.6740$$

(2) construction of granular sub-base by providing well graded material as per technical specification.

1x	24.11	2.08	0.175m	= 8.776 m ³
1x	37.67	2.70	0.175	= 17.799 m ³
1x	38.16	2.08	0.175m	= 12.070 m ³
1x	8.78	3.12	0.175m	= 4.796 m ³
1x	8.78	2.70	0.175m	= 4.143 m ³
1x	5.57	2.08	0.175m	= 1.978 m ³
1x	31.57	2.70	0.175m	= 14.926 m ³

Continuation

Sch. XIV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
	1x	7.36	2.12	0.175	$m = 4.019 m^3$
	1x	5.71	1.67	0.175	$m = 1.667 m^3$
	1x	9.14	1.75	0.175	$m = 3.119 m^3$
	1x	7.36	1.87	0.175	$m = 2.449 m^3$
	1x	5.63	2.06	0.175	$m = 3.047 m^3$
	1x	7.00	3.12	0.175	$m = 3.822 m^3$
New crust. 10x 30.0 3.75x 0.10					$81.519 m^3$ $112.800 m^3$
(3) providing laying, spreading and					$174.02 m^3$
compacting stone aggregates is					
specific stress to water bound					
macadam - - - - - 95 per cent.					
specification -					
	1x	22.58	1.63	0.075	$m = 2.760 m^3$
	1x	33.87	2.12	0.075	$m = 5.385$
	1x	30.11	1.63	0.075	$m = 3.401$
	1x	9.81	2.44	0.075	$m = 1.795$
	1x	9.81	2.12	0.075	$m = 1.560$
	1x	6.89	1.63	0.075	$m = 0.842$
	1x	33.87	2.12	0.075	$m = 5.385$
	1x	8.65	2.44	0.075	$m = 1.583$
	1x	7.26	1.32	0.075	$m = 0.719$
	1x	10.11	1.54	0.075	$m = 1.168$
	1x	8.65	1.47	0.075	$m = 0.954$
	1x	7.19	1.63	0.075	$m = 0.879$
	1x	8.78	2.44	0.075	$m = 1.607$
	1x	7.26	2.44	0.075	$m = 1.329$
	1x	4.41	1.63	0.075	$m = 0.539$
	1x	10.18	2.44	0.075	$m = 1.863$
	1x	5.43	0.79	0.075	$m = 0.403$
	1x	35.12	2.44	0.075	$m = 6.427$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
	1x	8.72	2.44	0.075	$= 1.596 \text{ m}^3$
	1x	25.59	1.63	0.075	$= 3.128$
	1x	38.57	2.12	0.075	$= 6.133$
	1x	34.25	1.63	0.075	$= 4.187$
	1x	10.91	2.44	0.075	$= 1.997$
	1x	10.91	2.12	0.075	$= 1.735$
	1x	7.35	1.63	0.075	$= 0.923$
	1x	38.57	2.12	0.075	$= 6.133$
	1x	9.58	2.44	0.075	$= 1.753$
	1x	7.96	1.32	0.075	$= 0.788$
	1x	11.26	1.54	0.075	$= 1.301$
	1x	9.58	1.47	0.075	$= 1.052$
	1x	7.98	1.63	0.075	$= 0.963$
	1x	9.72	2.44	0.075	$= 1.779$
	1x	7.70	2.79	0.075	$= 1.457$
	1x	4.70	1.63	0.075	$= 0.575$
	1x	11.32	2.44	0.075	$= 2.072$
	1x	5.87	0.99	0.075	$= 0.436$
	1x	40.02	2.44	0.075	$= 7.324 \text{ m}^3$
					34.212 m^3

(4) Providing laying, spreading and
compacting stone aggr. as specified
like to water binding - 8. . . .
. . . as per Tech. Specification.

1x	22.21	1.46	0.075	$= 3.198 \text{ m}^3$
1x	41.85	1.89	0.075	$= 5.952 \text{ m}^3$
1x	37.64	1.46	0.075	$= 4.122 \text{ m}^3$
1x	14.91	2.17	0.075	$= 2.427 \text{ m}^3$
1x	14.91	1.89	0.075	$= 2.113 \text{ m}^3$
1x	11.64	1.46	0.075	$= 1.275 \text{ m}^3$

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
	1X	41.85	1.89	0.075	= 3.933
	1X	13.61	2.17	0.075	= 2.215
	1X	12.05	1.19	0.075	= 1.075
	1X	15.24	1.30	0.075	= 1.577
	1X	13.61	1.32	0.075	= 1.342
	1X	11.97	1.46	0.075	= 1.311
	1X	13.75	2.17	0.075	= 2.238
	1X	12.05	2.17	0.075	= 1.961
	1X	8.86	1.46	0.075	= 0.970
	1X	15.32	2.17	0.075	= 2.493
	1X	10.10	0.90	0.075	= 0.675
	1X	43.25	2.17	0.075	= 7.039
	1X	13.69	2.17	0.075	= 2.229
	1X	32.59	1.46	0.075	= 3.568
	1X	47.12	1.86	0.075	= 6.679
	1X	42.28	1.86	0.075	= 6.630
	1X	14.14	2.17	0.075	= 2.627
	1X	14.14	1.87	0.075	= 2.288
	1X	12.38	1.46	0.075	= 1.356
	1X	47.12	1.86	0.075	= 6.679
	1X	14.65	2.17	0.075	= 2.384
	1X	12.84	1.19	0.075	= 1.146
	1X	16.53	1.38	0.075	= 1.711
	1X	14.65	1.32	0.075	= 1.450
	1X	12.75	1.46	0.075	= 1.396
	1X	14.81	2.17	0.075	= 2.410
	1X	12.84	2.17	0.075	= 2.090
	1X	9.18	1.46	0.075	= 1.005
	1X	16.60	2.17	0.075	= 2.702
	1X	16.49	0.90	0.075	= 0.708

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	H	D	
	1x	42.76	2.12	0.075	= 7.932
	1x	12.79	1.19	0.075	= 1.142
	1x	12.05	1.89	0.075	= 1.708
	1x	37.80	1.83	0.075	= 3.816
					109.556 m ²
Hand surf.	10x	30.00	3.75	0.075	= 84.375 m ²
					193.93 m ²

(5) Providing and applying primer

coat with bitumen emulsion

(SS-1) on prepared surface

... as per tech. specification

$$193.93 / 0.075 \text{ mm} = 2585.74 \text{ m}^2$$

... as per tech. specification

coat with bitumen emulsion

... as per tech. specification

$$\text{Qty. of bitumen (SS)} = 2585.74 \text{ m}^2$$

$$\text{on P.C.C. } 32 \times 25 \times 3.75 \text{ m} = 150.00 \text{ m}^2$$

$$2735.74 \text{ m}^2$$

(6) Providing laying and rolling of

Hot seal surface (type B)

... as per technical spec.

$$\text{Qty. of bitumen (SS)} = 2735.74 \text{ m}^2$$

(7) Providing and applying tack

coat with bitumen emulsion

(RS1) ... as per tech. spec.

$$134 \times 25.00 \times 3.75 = 12562.50 \text{ m}^2$$

$$12562.50 \text{ m}^2$$

$$12416.25 \text{ m}^2$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(10) Providing and laying S.D.M.C.					
with using crushed aggregates					
with 40 mm NORTH sp.					
	134	25.0	3.75	0.2025	m ²
CH 0+30	1	30.0	$\frac{14.30+3.75}{2}$		270.75 m ²
CH 30+0-2230	88	25.0	3.75		8250.0 m ²
CH 2230+0-2280	1	20.0	$\frac{8.40+3.75}{2}$		71.50 m ²
CH 2280+0-2280	1	30.0	$\frac{13.90+3.75}{2}$		263.25 m ²
CH 2280-2820	1	540.0	3.75		2025.0 m ²
CH 2820-2840	1	20.0	$\frac{3.75+8.0}{2}$	2.6	102.33 m ²
CH 2840-3115	1	275.0	3.05		838.75 m ²
CH 3115-3135	1	20.0	$\frac{3.05+4.50+3.05}{3}$		70.67 m ²
CH 3135-3300	1	165.0	3.05		502.25 m ²
					12415.30 m ²
					12415.30 m ²

(11) Providing and laying of L.P. applied

Asphaltic compound.

$$2 \times 3310.0 \times 0.10 \text{ m} = 662.0 \text{ m}^2$$

(12) Providing and fixing of typical

intermediate sign board.

2 Nos.

20/4/21
A.E.

20/4/21
A.E.

Continuation

Sch. XLV-Form No. 134

Sch. XLV-Form No. 134					7
Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
ABSTRACT OF COST					
(1) Clearing and grubbing road					
Land ... 20 m x 100 m					
Qty vide T+B Page 1					
0.67 Ha. Rs. 51133.76/mo					34,260.00
(1/2) Gravel Sub base with					
Half graded materials.					
Qty vide T+B Page 2					
194.02 m ³ Rs. 1818 = 84/m ³					3,52,891.00
(3/4) Providing laying, spreading					
and compacting stone aggr.					
± 10/10 ST II					
Qty vide T+B Page 3					
80.21 m ³ Rs. 3252 = 90/m ³					2,71,400.00
(4/5) Providing laying, spreading					
and compacting N/A ST II					
Qty vide T+B Page 5					
195.73 m ³ Rs. 2819 = 33/m ³					5,66,155.00
(5/6) Prime coat (2nd pro. site)					
Qty vide T+B Page 5					
2585.74 m ² Rs. 44 = 82/m ²					1,15,893.00
(6/7) Providing and applying top					
coat with bitumen emulsion					
Qty vide T+B Page 5					
2735.74 m ² Rs. 15 = 24/m ²					41,693.00
(7/8) Patch over with using mix					
seal surface.					
Qty vide T+B Page 5					
2735.74 m ² Rs. 195.95/m ²					5,35,795.00
Continuation					Rs. 19,18,087.00

40 m x 14.71 m = 588.4 m²
 26.71 m

Sch. XLV-Form No. 134

Particulars	Details of actual measurement			Contents of area
	No.	L	B	
(7/9) Providing and applying fast coat with bitumen emulsion.				19,18,087.00
Qty. in m ² Page 5				
12.416.75 m ² @ 12.75 m ²				158,307.00
(7/10) Providing and laying semi dense bituminous concrete				
Qty. in m ² Page 6				
310.39 m ² @ 97.88.75 m ²				30,38,330.00
10/20 Road marking with hot applied thermoplastic.				
Qty. in m ² Page 6				
662.00 m ² @ 7.35 = 44 m ²				4,96,861.00
11/20 Providing and fixing logo on road.				
Qty. in m ² Page 6				
2 Nos @ 7365.10 m ² each				18,730.00
				5,620,315.00
Add 1% L.C.				56,203.00
Add 12% 4.5%				6,74,438.00
				63,50,956.00
Add signpost etc.				40,000.00
				63,90,956.00

20/06/21
 JS

20/06/21
 ME

CSP
 YKS/msh
 19/6/21

63,90,956

Continuation

Sch. XLV-Form No. 134.

2

Sch. XLV - Form No. 134				Contents of area
Particulars	Details of actual measurement			
	No.	L	B	D
<i>Consumption of Materials</i>				
Bitumen emulsion (SS) =	2.198	M.T		
Bitumen emulsion (RS) =	3.34	M.T		
Bitumen (SQ) =	42.0343	MT		
Local sand =	46.59	m ³		
stone aggregate =	1079.01	m ³		

63,900 - 1 March bill
Memo of Payment

Memo of Payment

\$2.52 = 3,19,500

212 yr $12\frac{1}{2}$ sec.

WCS - 63900

$$\text{Swiss franc} = 63900$$

643714 - 639000

5 Nov 76 500-

Box - 11250

By cheque 5564250-

Ans 6390,000

payed for 11 639,00

61. Sixty men and women, both

12/10/2019

Continued

Executive Engineer

R.W.D. (W) Division

Ausgangspunkt

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
Item (12) Wire mesh					
Price 1000/1000					
5000 mesh - 1000					
20 x 1200 x 0.150 = 1.728					
Item (13) Bitum. Latex paint					
1000 Ltr 5000					
60000 paint - 1000					
(14) 60000 paint - 1000					
(15) 60000 paint - 1000					
(16) 60000 paint - 1000					
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(99) 60000 paint - 1000					
(100) 60000 paint - 1000					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
gms (22) Water impounding can					
can 132x 60x 60					
- do -					
					$58.2 \times 60 \times 60 \times 10^{-6} = 14.400 \text{ m}^3$
gms (23) Watering circle					
can 132x 60x 60					
- do -					
					$58.2 \times 60 \times 60 \times 10^{-6} = 14.400 \text{ m}^3$
					100.200 m^3

gms (24) ~~Planting~~ two creeks

on 1000 500m

width 100m (15) - 1000 2000

gms (25) ~~Construction~~ of 1000m

on 1000 2000m

$$2 \times 4 \times 3000 \times 0.70 \times 0.60 = 100.800 \text{ m}^3$$

$$2 \times 44 \times 30 \times 0.50 \times 0.60 = 126.720 \text{ m}^3$$

$$2 \times 10 \times 30 \times 0.70 \times 0.60 = 252.000 \text{ m}^3$$

$$2 \times 200 \times 0.50 \times 0.60 = 240.000 \text{ m}^3$$

$$2 \times 15 \times 30 \times 0.70 \times 0.60 = 252.000 \text{ m}^3$$

$$2 \times (15 \times 30 \times 2000) \times 0.70 \times 0.60 = 495.000 \text{ m}^3$$

$$2 \times (15 \times 30 \times 1000) \times 0.50 \times 0.60 = 270.000 \text{ m}^3$$

$$2845.200 \text{ m}^3$$

$$\text{Total} = 2845.200 \text{ m}^3$$

Particulars	Details of actual measurement			Contents of area
	No.	L	B	
(8) Patta kottas kottas 43.2 m x 500 kottas 43.2 m x 500 —				
area — 5734.700^2				
sq. 1.95 x 500 ² —				5357950 535601
(9) Patta kottas — Patta kottas 43.2 m x 500 kottas 43.2 m x 500 —				
area — 1246.35^2				
sq. 12 x 500 ² —				1082070
(10) Patta kottas — Patta kottas 43.2 m x 500 kottas 43.2 m x 500 —				
area — 310.375^2				
sq. 47.58.75 / 4 ³ —				2030330.20
(11) Patta kottas — Patta kottas 43.2 m x 500 kottas 43.2 m x 500 —				
area — 4181				
sq. 26.95 x 16 ² —				8381
(12) Patta kottas — Patta kottas 43.2 m x 500 kottas 43.2 m x 500 —				
area — 14.185				
sq. 505.16 x 500 ² —				399225
(13) Patta kottas — Patta kottas 43.2 m x 500 kottas 43.2 m x 500 —				
area — 1.990^2				
sq. 127.66 x 500 ² —				3429620

Continuation

56,53,683-

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(14) Rectangular T. & V. S. 120 - 100 - 60000 - 400 - (1) 4000 Ch 3707.18 m. 148287.00					
(15) Rectangular note - (1) 800 Ch 371.24 m. 30570.00					
(16) Rectangular note - (1) 800 Ch 2700.50 m. 12018.00					
(17) Rectangular note - (1) 6000 Ch 1000.60 m. 10000.00					
(18) Rectangular note - (1) 4000 Ch 0.5000 m. 231.00					
(19) Rectangular note - (1) 16000 Ch 819.92 m. 137747.00					

Continuation

61,23,183-

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(20) Peep mangrove garden					
Area - 96.00					
Thermoplastic					
Area -					
Area - (2) 66.00					
Area - $735 \frac{1}{2} \times 10^2$					496.86125
(21) Peep mangrove garden					
Area - 96.00					
Area -					
Area - (2) 20.00					
Area - (2) 20.00					
Area -					
Area - 20.00×1000					370.00000
(22) Peep mangrove garden					
Area - 11.40					
Area - (2) 14.40					
Area - 50.00×1000					72322.00
(23) Peep mangrove garden					
Area - 100.80					
Area - 100.80×10^2					14700.00
(24) Peep mangrove garden					
Area - 100.80					
Area - (2) 100.80					
Area - 97.17×10^2					9797.00
Area - 67.44×1000					67440.00

Continuation

67,73,926-

Optimization through R_g Lean Completed.



20/10/2011

CPD

12, 69, 76, 77

~~2/2/22~~

2nd. Final bit

mean of layers

5050 = 63477

$$254y = 25396$$
$$L_{\text{avg}} = 18,696$$

Sum = 13,676

Crested Tit 12.675

5 fig - 10030 -

149780

Europe 982801

12.6956

formed from 12,69567 (1)

quadrants are integrated
toward the center

4. Defining - Condition

executive Engineer

R.W.D. (W) Division

17. Aurangabad-