

131/2018-19

Schedule XLV Form No.-134

BIHAR P.W.D.

Mamnu Babu Tola Tokhaya

DIVISION

SUB-DIVISION

MEASUREMENT BOOK

131/2018-19

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
N/W ÷ Construction of road from Muna Badu Tola to Kadiya (L=1172 Km)					
Head = M m/s x (Sc)					
Agency ÷ Sandesh Sambar					
Am/brathimbar, Puchanbar, B: chandann					
Agg. No ÷ 7 S/D/2018-2019					
Estimated cost ÷ Rs. 750,544.00					
Date of start ÷ 25/6/2018					
Date of completion ÷ 2					
Date of entry ÷					
Measurement					

(1) Construction of granular sub base with well for soil material etc					
1	10.0	3.85	0.10	$= 3.85 \text{ m}^3$	
(2) Providing & laying 100mm GFI Stone metal (Grade) bed in in proper grade under super elevation					
10	30.0	7.75	0.075	$= 84.375 \text{ m}^3$	
				Qty = 84.375 m ³	
(3) Construction of uncrust forced concrete concrete Road Pavement etc					

Continuation

[illegible]

Find on A/C Bell
ABSTRACT OF CGST

(4) P/N & P/F Benchmark

Plenat, de - de job

Atzwide TMRP-14

6 Nov @ 1302 = 21/10 L 10617 = 00

$\left(\frac{2}{2}\right)$ clearing 2 green

Land land etc de - 1/2

Ref: Wido TMB P-16

$$0.752/100 / @ 4873 \frac{1}{2} \text{ ft} / \text{min} / 36646 = c$$

(3/4) forming of all type

Heena pehatek - d. job

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2.5m @ R 218 = 68/m	61				1640 = 00
(4/52) R/w execution in foundation etc. de - d - job					
Atg wide TMBP - 14					
5.06m ³ @ R 256 = 67/m ³	R				1299 = 00
(5/53) Sand filling in foundation etc. de - d - job					
Atg wide TMBP - 14					
1.0m ³ @ R 570 = 81/m ³	R				576 = 00
(6/54) S/P/P 300mm dia etc. de - d - all job					
Atg wide TMBP - 14					
15.0m @ R 850 = 95/m	4				12764 = 00
(7/56) R/w execution in foundation etc. de - d - all job					
Atg wide TMBP - 14					
35.51m ³ @ R 256 = 67/m ³	R				9114 = 00
(8/57) Granular sub base etc. de - d - job					
Atg wide TMBP - 14					
9.63m ³ @ R 2877 = 84/m ³					10447 = 00
(9/58) P.C.C M15 in foundation etc. de - d - all job					
Atg wide TMBP - 14					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2.64 m ³ @ R, 5864 = 27/m ³ R, 15482 = 00					
(10/57) 100 A B/W in cm (1:3)					
in Substructure etc					
At 7 wide TMBP - 14					
26.51 m ³ @ R, 6801 = 24/m ³ R, 120297 = 00					
(11/68) painting with coat (1:3)					
etc do do all job					
At 7 wide TMBP - 14					
31.97 m ² @ R, 6323 = 72/m ² R, 20372 = 00					
(12/75) Backfilling behind					
wall etc do do job					
At 7 wide TMBP - 15					
6.21 m ³ @ R, 570 = 81/m ³ R, 3482 = 00					
6.10 m ³					
(13/11) Construction of embank					
man etc do do job					
At 7 wide TMBP - 15					
1460.50 m ³ @ R, 111 = 41/m ³ R, 162714 = 00					
(14/12) Construction of embankment					
etc do do all job					
At 7 wide TMBP - 15					
670.00 m ³ @ R, 146 = 24/m ³ R, 98047 = 00					
(15/12) Construction of embankment					
etc do do all job					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty wide TMBP-15					
1663.65 m ³ @ R. 147 = 97/m ³					R. 246170 = 00
(16) P/W construction of g.s. 0					
etc do do all job					
Qty wide TMBP-15, 18					
(735.70 + 3.85) m ³					
739.15 m ³ @ R. 287 = 84/m ³					R. 2,27,55 = 00
(17) P/W (casing in BM or L)					
stone mntal construction					
etc do do all job					
Qty wide TMBP-15, 18					
(216.56 + 84.375) m ³					
300.935 m ³ @ R. 346 = 103/m ³					R. 104,741 = 00
(18) Construction of C.C. Pavement					
ent do do do job					
Qty wide TMBP-15, 19					
(199.68 + 100.20) m ³					
299.88 m ³ @ R. 7474 = 25/m ³					R. 224,378 = 00
(19) P/W M.M.G.S.Y sign board					
etc do do do job					
Qty wide TMBP-16					
1 No @ R. 8577 = 96/m ³					R. 8578 = 00
(20) Typical masonry					

Continuation

B/A Rs 62,10,384=00
23'

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Sign board etc					
Qty wide TMBP-16					
1 No @ Rs 3000 = 0/100					Rs 3000 = 00
(25) S/A City on Informa					
tion sign board etc					
Qty wide TMBP-16					
1 No @ Rs 9500 = 00/100					Rs 9500 = 00
					Rs 62,22,884 = 00
0.01% Lev for 666 (work etc)					Rs 622 = 00
					Rs 62,22,262 = 00
Lev for P-removed Payment					
wide TMBP-12,17					Rs 5862074 = 00
					Rs 360,188 = 00

Sumar
20/4/19
AE

A
20/4/19
AE

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Road - Manu babu tolla to Kathaiya.					
Sta - mmhgy					
Agency - Sandeep Sarkar					
Hq No - 75BD/18-19					
Date of start - 25-6-18					
Date of completion - 24-6-19					
① <u>Gravelly Soil</u>					
Curve 1x 14.0m + 5.50m + 4.85					$\times 0.025$
					$\frac{2}{2} = 5.40$
3x 30m x 3.25m					$\times 0.025 = 23.51$
					(m)
					Total = 30.2/m
② <u>Primer coat</u>					
22 Nos x 30m x 3.25m					$= 2425$
Curve 1x 14 + 5.50 + 4.85					$= 72.10$
					Total = 2527.10
					Limit = 2545.20
③ <u>Tack coat</u>					
Area same as in ②					$= 2545.20$
④ <u>Mix Sand & Cement</u>					
Area same as in ③					$= 2545.20$
⑤ <u>Gravelly M20 Concrete</u>					
Concrete lot					
Curve 1x 4.3m + 5.50 + 4.85					$\times 0.16$
					$\frac{2}{2} = 3.44$
⑥ <u>Subgrade & placing</u>					
Sum of 4D					
7 2x 3 x 2.50					$= 15.00$
⑦ <u>EPW in concrete in sum</u>					
2 f 3 x 2.50 + 0.45m					$\times 0.025 = 5.06$
⑧ <u>Sand filling</u>					
2 f 3 x 2.50 + 0.45m					$\times 0.15 = 1.01$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) Bench mark for vide Point 1 16 m @ 1802.81 m					13 108162
(2) Clearing & grubbing of Road land - only for vide Point 2 10.252 H @ 48731.5214					366462
(3) Removing of soil for vide Point 3 12.51 m @ 218.68 m					11 1640-
(4) Soil in excav in fall only for vide Point 4 15.00 m @ 256.67 m					15 1299-
(5) Sand filling - only for vide Point 5 1.00 m @ 270.81 m					15 578-
(6) S.F.P of 300 mm dia only for vide Point 6 15.00 m @ 850.95 m					12764-
(7) Soil in excav in fall only for vide Point 7 13.51 m @ 256.67 m					13 9114-
(8) G.S.B as sub-base only for vide Point 8 3.63 m @ 2877.84 m					13 10447
(9) Laying 150 mm in fall 2.1 only for vide Point 9 2.64 m @ 5864.27 m					15 15482-
(10) Laying 100 mm in can (1:3) 2.1 only for vide Point 10 2.65 m @ 6901.08 m					15 180297-
(11) S.F.P of 1000 mm dia only for vide Point 11 2.50 m @ 4027.42 m					15 30205-
Continuation					15 309286-

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(12) Darning in an 11.37					3092.86
Area for side P21					
→ 31.57 m @ 63.73 m					2037 =
(13) Back-filling					
Qty for side P21					
→ 6.16 m @ 570.81 m					3482 =
(14) Qty of road embankment					
Qty for side P0					
→ 15.86 m @ 111.41 m					17677 =
(15) Qty of road embankment					
Qty for side P0					
→ 6.80 m @ 146.34 m					9951 =
(16) Qty of subgrade					
Qty for side P0					
→ 14.67 m @ 147.97 m					216748 =
(17) Building of sub-grade					
Qty for side P22					
→ 735.16 m @ 28.77 m					212715 =
(18) Building of sub-grade					
Qty for side P22					
→ 300.935 m					
→ 300.935 m					
→ 331.645 m					
→ 3461.68 m					1148015 =
(19) Building of concrete					
Qty for side P22					
→ 299.85 m					
→ 3.44 m					
→ 303.32 m					
Limit 303.0 m					
→ 7.21 m					224685 =
					6377696 =

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(20) Armer Corral Area for side position			8.15		6377.96 =
12545.20 m @ 48.12 m					122602 =
(21) Jack Corral Area for side position					
12545.20 m @ 16.07 m					40901 =
(22) Mily Soap Corral Area for side position					
12545.20 m @ 166.71 m					424310 =
(23) Title Board for side position					
1 m @ 2945.46 m					
@ 3000 m					3000 =
(24) 1/2 metre stay for side position					
(25) Preliminary K 1 m @ 2577.71 m					7733 =
(26) 200 m stay 1 m @ 685.77 m					2743 =
(27) Traffic sign for side position					
(28) 600 mm cylindrical traffic 1 m @ 1923.88 m					5471 =
(29) 600 mm circular 1 m @ 1985.92 m					5657 =
(30) 800 mm & 600 mm 1 m @ 1982.57 m					3964 =
(31) 900 mm octagon 1 m @ 2025.93 m					45 =
(32) m m gsy Preliminary Board for side position					54151 =
1 m @ 8577.96 m					8577.96 =
(33) Citizen sign for side position					
1 m @ 9500 m					9500 =
(34) Erecting 4 line for side position					
1 m @ 2945.46 m					2945 =
Continuation					57019250 =

11/12/2020

① $\frac{1}{2} \times 2 = 13.23 \text{ m}$

- (2) Subgrade $Q = 3.91 \text{ m}$
- (3) Stone metal $Q = 153.6 \text{ m}$
- (4) Stone dust $Q = 35.2 \text{ m} + 1.53 \text{ m}$
- (5) Stone metal $Q = 36.73 \text{ m}$
 $Q = 3.59 \text{ m}$
- (6) Cement $Q = 34.096 \text{ m}$
- (7) Stone chips $Q = 92.70 \text{ m} + 2.36 \text{ m}$
 $Q = 95.07 \text{ m}$
- (8) Concrete sand $Q = 26.35 \text{ m} + 8.74 \text{ m}$
 $Q = 35.09 \text{ m}$
- (9) 100 mm ϕ N.B.L. $Q = 7.50 \text{ m}$
- (10) 300 mm ϕ P $Q = 15.00 \text{ m}$
- (11) Bitum $Q = 107.64 \text{ m}$
- (12) Emulsion ss $Q = 21.634 \text{ m}$