Mishir Tenduwa

Schedule XLV—Form No. 174;

Agency- Rajesh Kr- Singh

BIHAR P.W.D.

EE R.W.D. work Aurangabad DIVISION

A.E. Nabinagar SUB-DIVISION

MEASUREMENT BOOK No- 4076

Certified That This M.B. Contain (100) Pages By Printers Matchine And Issued To Sri ..Dinesh Pd. Singh.... A.E- R.W.D Work Sub Div. ..Nabinagar ....

10/7/21

Executive Engineer
Rural Works Department
Works Division, Aurangabad

10/7/21

E.G. Abad Division.

A.E. Nabinagar Sub-division.

MEASUREMENT BOOK.

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Sri Dinesh Pd. Singh. A.E. Nabinagar.

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 No.	L.	B.	D.	Contents of area
	1st MB CB 11				
N/Work:- Construction of Road from Sarlana Urlong PMGSY to Mishra Tola Road MMGSY (SC)					
Agency:- Sri Rajesh Kumar Singh Kanhaiya Complex, Karma Road Aurangabad (Bihar)					
Agreement No.:-					
Agreement Value Part A = Rs 71,20,265=00					
Part B = " 7,09,914=00					
Total Rs 78,30,179=00					
Date of start:- 18/2/21					
Date of completion: 17/2/22					
Measurement					
(1) Providing and fixing of working bench mark = 2 nos					
(2) Providing and fixing of reference pillars 4 nos					
(3) Clearing & Grubbing of road land					
2 nos x	33 nos x 30m x	3.50m =			6930.00m²
2 nos x	20m x	3.50m =			140.00
					7070.00m²
					0.71 Hec.
(4) Excavation for roadway in soil using manual means					

Continuation

Sch. XLV-Form No. 134 2

Particulars	Details of actual measurement No.	L	B	D	Contents of area
2nox 17nox 30mx 0.525mx 0.10m = 53.55m3					
2nox 17nox 30mx 0.375mx 0.10m = 37.50					
					91.05m3
(4) Construction of cement concrete ... material ... from ...					
Coeff ... item (3) ... = 91.05x6.0% = 54.63m					
(5) Construction of ... material obtained from borrow pit					
2nox 3nox 30mx 1.50mx 1.50m = 405.00m3					
2nox 16nox 30mx 1.50mx 0.60m = 864.00m					
2nox 20mx ... 1.50mx 0.60m = 36.00					
2nox 2nox 30mx 1.50mx 0.60m = 108.00					
2nox 10mx 1.50mx 0.60m = 18.00					
2nox 13nox 30mx 1.50mx 1.50m = 1755.00					
2nox 20mx 1.50mx 1.50m = 90.00					
					3276.00m3
for 1000m lead = 1894.16m3					
for 100m lead = 1365.55m3					
(6) Construction of sub grade and earthen shoulder					
2nox 17nox 30mx 1.40mx 0.20m = 285.60m3					
for 1000m lead = 114.24m3					
for 100m lead = 171.36m3					
(7) Granular sub base ... well graded material					
... 2nox 17nox 30mx 0.525mx 0.10m = 53.55m3					
2nox 17nox 30mx 4.05mx 0.10m = 206.55					
PC 2nox 5nox 8.50mx 2.70m (3.40m) x 0.10m = 22.95					
widening 2nox 2.50mx 10.40mx 0.10m = 5.20					

Continuation 288.25m3

Sch. XLV-Form No. 134 3

Particulars	Details of actual measurement No.	L	B	D	Contents of area
					B/F 88.75 m3
GSB in hardening	2 nos x 16 nos x 30 m x 0.375 m x 0.10 m =				36.00
	2 nos x 9.45 m x 2.70 m x 0.10 m =				22.76
	2 nos x 7.0 m x 0.375 m x 0.10 m =				1.50
					148.71 m3
(8) Providing and laying, spreading and compacting stone aggregate WMM-3					
	33 nos x 30 m x 3.25 m x 0.075 m =				278.44 m3
	20 m x 3.25 m x 0.075 m =				5.63
Extra widening	2 nos x 2.50 m x 11.00 m x 0.075 m =				4.13
Super elevation	3 nos x 6.90 m x 1.00 m x 0.075 m =				1.55
					289.75 m3
(9) 600 mm dia culverts					
Earthwork excavation in foundation trenches					
HW	2 nos x 3 nos x 3.90 m x 1.15 m x 1.50 m =				40.37 m3
Barrel pipe	3 nos x 5.35 m x 1.13 m x 0.36 m =				6.61
					46.98 m3
(10) Providing M15 cc levelling course in foundation					
HW	2 nos x 3 nos x 3.90 m x 1.15 m x 0.15 m =				4.05 m3
Barrel pipe	3 nos x 5.31 m x 1.13 m x 0.25 m =				4.50
					8.55 m3
(11) Plain/Reinforced cement concrete in sub structure					
HW	2 nos x 3 nos x 3.60 m x 0.70 m x 2.75 m =				42.03 m3
	2 nos x 3.60 m x 0.45 m x 1.60 m =				5.18
Less pipe	2 nos x 3 nos x 1/4 x (0.83)^2 x 0.53 m =				(-) 1.72
					45.49 m3

Continuation

Sch. XLV-Form No: 134

Particulars	Details of actual measurement No.	L	B	D	Contents of area
(12) Provision and laying RCC					
Pipe [illegible] = 22.10m					
(13) Provision and laying of					
Reinforced Cement concrete Pipe [illegible]					
			30m		
[illegible]			[illegible signature]		
Abstract of Cost					
(1) Provision and fixing of					
Bench mark					
2nos phy vide 9 Fm (1) of 400 TMS					
	@ 4061.06 each →				8122=00
(2) Provision fixing of reference pillar					
4nos phy vide 6 to (2) of 400 TMS					
	@ 1850.40 each →				7402=00
(3) Clearing & grubbing road land					
0.71 Hec. phy vide 6 to (3) of 400 TMS					
	@ 51133.76/Hec →				36305=00
(4) Excavation of road way in					
soil using manual mean					
91.05 m³ phy vide 6 to (4) of 400 (2) TMS					
	@ 74.16/m³ →				6752=00

Continuation B 58,581=00

Sch. XLV-Form No: 134 5

Particulars	Details of actual measurement No.	L	B	D	Contents of area
			B/F		58,581=00
(5) Construction of embankment with material obtained from road way cutting 54.63m³ as per vide item (5) of P (2) Items @ 26.11/m³ →					1426=00
(6) Construction of embankment with approved material 1365.55m³ as per vide item (5) of P (2) @ 131.03/m³ →					178928=00
(7) Construction of embankment with approved material 1884.16m³ as per vide item (5) P (2) @ 174.94/m³ →					331364=00
(8) Construction of sub grade and earthen shoulders 114.24m³ as per vide item (8) P (2) @ 176.58/m³ →					20173=00
(9) Construction of sub grade and earthen shoulders 171.36m³ as per vide item (8) P (2) @ 141.17/m³ →					24191=00
(10) Granular sub base with well graded material 348.71m³ as per vide item (?) P (3) Items @ 2901.78/m³ →					10,11,880=00
(11) Providing, laying, spreading and compacting stone aggregate WBM 289.75m³ as per vide item (8) P (3) @ 4077.73/m³ →					11,81,522=00
			B/F		28,08,065=00

Continuation

Sch. XLV-Form No: 134 6 [illegible]

Particulars	Details of actual measurement No.	L	B	D	Contents of area
(17) [illegible] 46.98m³ [illegible] (9) [illegible] (4)					
	@ 3269.31/m³			→	121,533=00
(13) [illegible] 8.55m³ [illegible] (10) [illegible] (3)					
	@ 5264.41/m³			→	45011=00
(14) [illegible] reinforced cement concrete in sub structure 45.49m³ [illegible] (11) [illegible] (3)					
	@ 6068.04/m³			→	276035=00
(15) [illegible] 14 p3 for culverts 22.50m [illegible] (12) [illegible] (4)					
	@ 1075.30/m			→	24194=00
(16) [illegible] reinforced cement concrete [illegible] 30m [illegible] (13) [illegible] (4)					
	@ 921.25/m			→	27638=00
				Rs	31,93,596=00
Add 12%	GST			→	383232=00
Add 1%	L. cess			→	31,936=00
				Rs 36	08764=00
[signature] 5/1/22			[signature] 5/1/22		C/S [signature] 22/1/22
	Material statement				
(I) Earth	3545.31 m³				
(II) Sand	202.84 m³				
(III) Stone chips	87	37.13 m³		[signature]	

Continuation