

4th & final Bill

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work → Construction of Rd from					
Nawada - Sikandra PWD Road to Batona					
Mahadalit fela.					
Block - Sikandra					
Agency - Nawlesh Kumar, AT - Refuzee					
Colony, P.O. & P.S. - Munger.					
Agreement No. - 47 (S.B.D.) 2020-21					
Agreement Value -					
Construction cost					Rs 70,54,942.00
Maintenance cost					Rs 12,40,042.00
					Rs 82,94,984.00
St of Commencement of work -					20.08.2020
St of Completion -					19.08.2021

① Provide & fix of working benchmark					
Pillar do do all complete					
Total -					
1.31 km					
② Construction of embankment with					
material obtained from borrow pits with					
a lift upto 1.5 m					
Sr No.	Chainage	Differential length	c/s Area	Mean c/s Area	Volume m ³
1	0	0	2.71	0.00	0.00 m ³
2	50	50	2.50	2.605	130.250 m ³
3	100	50	2.25	2.375	118.750 m ³
4	150	50	2.04	2.170	108.500 m ³
5	200	50	2.42	2.255	112.75 m ³
6	250	50	2.50	2.460	123.00 m ³
					Total = 593.25 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
WBM 4 m $\rightarrow$			3.68	4.89	m^3
PCC Pavement $\rightarrow$			3.68		m^3
Total $\rightarrow$			4.725	4.71	m^3
Net B.W.B.T. =		4.725	4.5		m^3
		6.7	9.79		m^3
for 100 m lead -		4.186			m^3
for 100 m lead -		23.793			m^3
(3) Construction of Subgrade & earthen					
Shoulder with approved material for					
Subgrade.					
3 x 30 x		7.8 + 3.4		0.30	m^3
3 x 30 x		7.8 + 8.2		0.30	m^3
1 x 30 x		7.8		0.30	m^3
					504.90 m^3
(4) Construction of New HP culvert					
600 mm dia - 0.2 nos.					
Earth work in excavation for foundation					
of structure upto 3.0 m depth					
H.W	2	3.90	1.150	1.50	m^3
Below pipe	1	5.350	1.130	0.365	m^3
					m^3
					15.662 m^3
					2 x 15.662 = 31.324 m^3
(5) Providing M15 (PCC 1:2:5) concrete for					
plain concrete in open foundation					
H.W	2	3.90	1.150	0.150	m^3
Below pipe	1	5.31	1.130	0.250	m^3
					m^3
					2.846 m^3
					2 x 2.846 = 5.692 m^3

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑩ Providing & applying of tack coat with bituminous emulsion Qty vide Page no. (33)					
		3065.25 m ²			
⑪ Providing, laying and rolling of close-graded material premix surfacing material 20 mm thickness Qty vide Page no. (33)					
		3065.25 m ²			
⑫ Construction of subgrade and earthen shoulder with approved material (earthen shoulder (sides of GSB))					
	2 x 3 x 30 x 1.490 x 0.200				53.64 m ³
	2 x 3 x 30 x 1.490 x 0.200				53.64 m ³
	2 x 1 x 30 x 1.490 x 0.200				17.88 m ³
					Qty = 125.16 m ³
earthen shoulder (side of WBM/RMC)					
	2 x 3 x 30 x 1.295 x 0.075				17.48 m ³
	2 x 3 x 30 x 1.295 x 0.075				17.48 m ³
	2 x 1 x 30 x 1.295 x 0.075				5.83 m ³
					Qty = 40.79 m ³
earthen shoulder (side of GSB & WBM in a row)					
	2 x 3 x 30 x 1.04 x 0.100				31.5 m ³
	2 x 1 x 10 x 1.04 x 0.100				3.5 m ³
					Qty = 35.00 m ³
earthen shoulder (sides of CC Road)					
	2 x 3 x 30 x 1.04 x 0.160				28.8 m ³
	2 x 1 x 10 x 1.04 x 0.160				3.2 m ³
					Qty = 32.00 m ³
Total Qty = 232.950 m ³					

Continuation

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Abstract of Cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① Providing & fixing of works					
Bench mark Pillar					
Bty side page no. (28) in mmb					
Hem no. (1)					
@ 31940.7/cm		1.318 m		R8	41842 = 0
② clearing & grubbing of road land					
Bty side page no. (28) in mmb					
Hem no. (2)					
@ 51133.26/Hg		0.35 Hg		R9	17,897 = 0
③ Bore cutting: Excavation of road way cutting					
Bty side page no. (28)					
@ 126.24/m ³		15.04 m ³		R9	1894 = 0
④ Excavation of road way soil					
Construction of embankment					
Bty side page no. (28)					
@ 74.16/m ³		15.04 m ³		R8	1112 = 0
⑤ Construction of embankment					
Bty side page no. (28) in mmb					
@ 29.57/m ³		9.0 m ³		R9	266 = 0
⑥ Construction of embankment with material obtained from borrow pits (for 1000 m lead)					
Bty side page no. (28) + page no. (32) in mmb					
587.88 m ³ + 44.186 m ³					
@ 125.22/m ³		632.066 m ³		R9	1,10,751 = 0
⑦ Construction of embankment for 100 m lead					
Bty side page no. (28) + page no. (32)					
195.96 m ³ + 23.793 m ³ = 219.753 m ³					
@ 135.12/m ³		219.753 m ³		R8	29,693 = 0
Continuation					R9 2,03,455 = 0

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B/F	R	20,86,622.00
(14/36) Plain/Reinforced cement concrete (M-20) in sub-structure					
Qty vide Page no. (32) in TMB					
@ 5615.67/m ³		30.33 m ³		R	1,70,323.00
(15/37) P.V.C. laying RCC pipe 150 mm for culvert on first class bedding					
Qty vide Page no. (33) in TMB					
@ 3283.19		15.0 m		R	49,248.00
(16/38) Painting on parapet walls (B&W) painting two coats including primer coat					
Qty vide Page no. (33) in TMB					
@ 97.19/m ²		24.96 m ²		R	2426.00
(17/17) Construction of un-reinforced plain cement thickness as per design RCC-M-20					
@ 6824.53/m ³		300.00 m ³		R	20,47,359.00
(18/15) Providing & applying prime coat with bitumen emulsion (SS-1)					
Qty vide Page no. (33) in TMB					
@ 45.45/m ²		3065.25 m ²		R	1,39,316.00
(19/16) Providing & applying of face coat (CS-2)					
Qty vide Page no. (33) in TMB					
@ 15.45/m ²		3065.25 m ²		R	47,358.00
				R	45,42,652.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B/F	Pg	53,67,725 m
(25/27) P/V & fixity of ratio - rectangular					
Continuity mandatory and					
informatory based on					
curtilage & triangle.					
Qty vide Page no. (25) in					
TM B				Pg	20,494 = 0
@ 3415.61/m		6 m			
(26/28) P/V & fixity of 60 mm Circular					
Qty vide Page no. (26) in TM B					
@ 4641.27/m		0.4 m		Pg	18,565.20
(27/29) P/V & fixity of 80 mm x 60 mm					
Qty vide Page no. (27) in TM B					
@ 6542.50/m		0.6 m		Pg	39,255 = 0
(28/30) P/V & fixity of 100 mm x 80 mm					
Qty vide Page no. (28) in TM B					
@ 4515.81/m		0.4 m		Pg	18,063 = 0
(29/31) P/V & fixity of bit applied					
Homogeneous Compound 25m					
thick (Road marking on BT Portin)					
Qty vide Page no. (29) in TM B					
@ 735.44/m		162.0 m ²		Pg	1,19,412 = 0
(30/32) Road marking on c.c. Portin					
Qty vide Page no. (30) in TM B					
Item no. (30)					
@ 835.34/m ²		100 m ²		Pg	83,534 = 0
(31/33) P/V & fixity of M-10 grade					
boundary Pillar					
Qty vide Page no. (31) in TM B					
@ 484.52		24 m		Pg	11,628 = 0
				Pg	56,78,405 = 0

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