

Const. of Road from Makhdermpur Nagar to
Ridpur Kabeyra

mm654-5C

Schedule XLV Form No. 134.

Executive Engineer, R.W.D. DIVISION
Tekari.

Assistant Engineer, R.W.D. SUB-DIVISION
Tekari.

Measurement Book

Ambuj Sharma

921

3rd and 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 - Makdumbur					
Nahar to Ridpura Kapaiya					
Agency - Ambuj sharma					
Agreement no - 16 SBD/mmmsy/21-22					
Date of start of work - 03/07/2021					
Date of completion - 02/07/2022					
<u>Measurement</u>					
④ Cont. of 1000 mm ϕ H.P.C					
① E/W excavation in found.					
trenches - do					
<u>Face wall</u>					
2 X 6.30 X 1.40 X 1.50 =					26.46m ³
below pipe					
1 X 5.90 X 1.5 X 0.30 =					2.66m ³
Total					29.12m ³
② P/V P.C.C m - 15 in found.					
bed - do					
2 X 6.30 X 1.41 X 0.15 =					2.65m ³
③ P/V P.C.C - m - 20 mix					
concrete in found. work					
do					
2 X 6.0 X $\left(\frac{1.25 + 0.80}{2}\right) \times 1.35 =$					16.610m ³
1 X 5.90 X 1.50 X 0.25 =					2.210m ³
Total					18.820m ³

Continuation

Abstract of cost

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) setting out const. of working bench mark — do —					
ent = 3.19 km P- (24)					
item - (1) @ Rs 3706.26					
				= Rs	114892
(2) const. of reference pillar — do —					
ent = 3.19 km P- (24)					
item - (2) @ Rs 1681.79 =					
				Rs	52142
(3) clearing & grubbing road const. — do —					
ent = 1.81 hect P- (24)					
item - (3) @ Rs 52998.20					95927
					115006 =
				Rs	1115
				= Rs	1150062
				= Rs	95927
(4) const. of embankment with soil — do —					
ent = 2916.60 m ³ P- (24)					
item - (4) @ Rs 192.03/m ³ = Rs					560075 =
(5) const. of embankment with soil obtained from borrow pits — do —					
Continuation					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Ant =	6805.40	m ³	P- (24)		
item - (5) @ Rs	154.58	/m ³			
			Rs	1051979.	
(6) Const. of culgrade & earthen shoulder					
do					
Ant =	4771.80	m ³	P- (25)		
item - (6) + Ant =	2500	m ³			
P- (37) item - (17)					
=	4771.80 + 2500				
=	7271.80	m ³			
@ Rs	176.64	/m ³	Rs	1284491=	
			Rs	1284491.200	
(7) P/V & const. of granular culbase					
do					
Ant =	1785	m ³	P- (25)		
item - (7) + Ant =	502.20	m ³			
P- (37) item - (16)					
=	1785 + 502.20				
=	2287.20	m ³			
@ Rs	1674.06	/m ³	Rs	3828910=	
(8) Dismantling of structure of old existing culvert					
do					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
ent = 7.680 m ³ P- (25)					
itm - (8) @ Rs 493.18/m ³					
				= Rs	3788-
(9) Dismantling of structure of reinforced cement concrete work - do -					
ent = 6.72 m ³ P- (25)					
itm - (9) @ Rs 1204.44/m ³					
				= Rs	80942
(10) Dismantling of structure of culvert of 24					
existing cement mortar					
do					
ent = 183.15 m ³ P- (25)					
itm - (10) @ Rs 353.64/m ³					
				= Rs	647692
(11) Removing of all types of damaged house pipe					
do					
ent = 40 m P- (26)					
itm - (11) @ Rs 244.92 =					
				Rs	9797-
(12) Earthwork excavation in foundation trenches					
do					
ent = 579.78 m ³ P- (26)					
itm - (12) + ent = 29.12 m ³					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
P-(32) item - (1)					
+ 77.44 m ³ P-(33)					
item - (7)					
= 579.78 + 29.12 + 77.44					
= 686.34 m ³					
Limit to 686.120 m ³					
@ Rs 305.42 / m ³ = Rs 209555 =					
(13) Providing PCC m-10					
mix concrete in found.					
do do					
ant = 24 m ³ P-(26)					
item - (13) @ Rs 4349.64					
= Rs 104391 =					
(14) P/V PCC m-15 in found.					
bed do					
ant = 158.37 m ³ P-(26)					
item - (14) + ant 9.68 m ³					
P-(34) item - (2) + ant 2.65 m ³					
P-(32) item - (2) + ant = 39.83 m ³					
P-(38) item - (18)					
= 158.37 m ³ + 9.68 m ³ + 2.65 m ³					
+ 39.83 m ³ = 210.53 m ³					
Limit to 208.330 m ³					
@ Rs 4363.55 / m ³ = Rs 909058 =					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(15) P/V RCC m-20 mix concrete in formwork do					
ent = 216.17 m ³	P-(27)				
item-(15) + ent = 18.82 m ³					
P-(32) item-(3) + ent = 48.61 m ³					
P-(34) item-(9)					
= 216.17 m ³ + 18.82 m ³ + 48.61 m ³					
= 283.60 m ³					
limit to 282.840 m ³					
@ Rs 4852.61/m ³ = Rs 1372511 =					
(16) P/V RCC m-20 mix concrete for substructure do					
ent = 158.17 m ³	P-(27)				
item-(16) + ent 12.91 m ³					
P-(33) item-(4) +					
ent = 34.29 m ³	P-(34)				
item-(10)					
= 158.17 + 12.91 + 34.29					
= 205.37 m ³					
limit to 205.250 m ³					
@ Rs 5072.66/m ³ = Rs 1041163 =					
(17) P/V RCC m-20 mix concrete in substructure do					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
ant = 12.80 m ³ P-(27)					
item - (17) + ant = 4.08 m ³					
P-(34) item - (11)					
= 12.80 m ³ + 4.08 m ³					
= 16.88 m ³ @ Rs 5347.32/m ³					
				Rs	90263 =
(18) P/V RCC m-25 mix					
concrete in super-structure — do —					
ant = 13.96 m ³ P-(28)					
item - (18) + ant = 3.74 m ³					
P-(35) item - (12)					
= 13.96 m ³ + 3.74 m ³					
= 17.70 m ³ @ Rs 6139.16/m ³					
				Rs	108663 =
(19) S/F F & placing HYSD bar reinforcement					
steel — do —					
ant = 2.158 MT P-(28)					
item - (19) + 0.648 MT					
P-(35) item - (13)					
= 2.158 MT + 0.648 MT					
= 2.806 MT					
@ Rs 55932.99/MT = Rs					155826 =

Part	Details of actual measurement				Contents of area
	No.	L	B	D.	
(20) P/V Back filling with sand inside of abutment					
Qnt = 73.12 m ³ P- (28)					
item - (20) + Qnt = 35.28 m ³					
P- (37) item - (15) + Qnt = 57.60 m ³					
P- (38) item - (21)					
= 73.12 m ³ + 35.28 m ³ + 57.60 m ³					
= 166 m ³ @ Rs 819.45/m ³					
					= Rs 136029 =
(21) P/V weepholes					
Qnt = 68 No. P- (28)					
item - (21) + Qnt = 36 No.					
P- (37) item - (14) + Qnt = 110 No.					
P- (38) item - 20					
= 68 + 36 + 110					
= 214 No @ Rs 117.86/Ho.					
					= Rs 25222 =
(22) P/V & laying 1000 mm dia NP3 pipe					
Qnt = 22.50 m P- (29)					
item - (22) + Qnt = 7.50 m					
P- (33) item - (5)					
= 22.50 + 7.50 = 30 m					
@ Rs 3778.91/m = Rs 113367 =					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(23) Providing & Laying 600mm ³ heavy pipe — do —					
ent = 7.50 m P- (29)					
itm- (23) @ Rs 1209.67					
				= Rs	9073 =
(24) Providing & Laying 300mm ³ heavy pipe — do —					
ent = 1.50 m P- (29)					
itm- (24) @ Rs 741.842					
				Rs	111276 =
(25) Filling in ground trenches for sand filling — do —					
ent = 26.95 m ³ P- (29)					
itm- (25) + ent = 7.627 m ³					
P- (33) itm- (6)					
= 26.95 + 7.627					
= 34.577 m ³ @ Rs 53678					
				= Rs	18560 =
(26) P/v & Cont. of PCC M-15 mix concrete — do —					
ent = 163.24 m ³ P- (38)					
itm- (19)					
Unit to 163.0 m ³					
@ Rs 4473.49/m ³ = Rs					729179 =

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(27) P/v and coat of stone metal 98-III for WBM do					
amt = 843.75 m ³ P- (38)					
item (22) @ Rs 2438.60/m ³					
				= Rs	2057569=
(28) Prime coat do					
amt = 11250 m ² P- (38)					
item (23) @ Rs 41.57					
				= Rs	467662=
(29) Tack coat with RS-1 emulsion do					
amt = 11250 m ² P- (39)					
item (24) @ Rs 14.38/m ²					
				2 Rs	161775=
(30) Providing, laying and rolling of class graded premix 20mm thick do					
amt = 11250 m ² P- (39)					
item (25) @ Rs 169.58/m ²					
				= Rs	1907775=
(31) Kilometer stone do					

Continuation

C/O Total 16653450

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(i) Km stone					
ent =	5 No. P-(39)				
item -	26 (i) @	2006.29			
					= Rs 10031 =
(ii) 200 m stone					
ent =	12 No. P-(39)				
item -	26 (ii) @	Rs 576.63			
					= Rs 6920 =
(32) Boundary pillar					
do					
ent =	62 No. P-(39)				
item -	(27) @	Rs 518.95			
					= Rs 32175 =
(33) Painting two coats on new concrete surface					
ent =	200.88 m P-(39)				
item -	(28) @	Rs 99.17 =			Rs 19921 =
(34) masonry cpm board					
do					
ent =	3 No. P-(39)				
item -	(29) @	Rs 9240.17 =			
					Rs 27721 =
(35) Providing & fixing of retro-reflectorised cautionary, mandatory					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(i) 600mm circular board					
ent = 4 No. P - (40)					
item - 30 (i) @ Rs 4568.71					
					= Rs 18275 =
(ii) 600mm X 450mm rectangular board					
ent = 8 No. P - (40)					
item - 30 (ii) @ Rs 4447.88					
					= Rs 35583 =
(iii) 600mm equilateral triangle board					
ent = 20 No. P - (40)					
item - 30 (iii) @ Rs 3388.38					
					= Rs 67768 =
(36) Providing & Laying of hot applied Thermoplastic compound on BT surface					
ent = 600m ² P - (40)					
item - 36 (31) @ Rs 735.89					
					= Rs 454103 =
					Rs 441534 =
					Total Rs 17313378 =
Add GST - 12% (4)					Rs 2077605 =
Add labour cost (4)					Rs 173134
Add Seigniorage fee (4)					Rs 299913 =
Continuation					
C/o Total					Rs 19861030 =

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