

Const. of Amar Road Canal to Akhampur

MMSV-SC

Schedule XLV Form No. 134.

Executive Engineer, R.W.D. DIVISION
Tekari

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

922
Measurement Book

Ambuj Sharma

Abstract of cast

Sch. XLV Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D	
(1) Setting out const. of reference & working bench mark—do—					
ent=	1.9471	km	P-(13)		
ihm-(1)	@ Rs	3772.79			
				Rs	73462
(2) const. of reference pillar—do—					
ent=	1.9471	km	P-(13)		
ihm-(2)	@ Rs	1715.34			
				Rs	33402
(3) clearing & grubbing road land—do—					
ent=	1.35	hect	P-(13)		
ihm-(3)	@ Rs	52998.20			
				Rs	715482
(4) const. embankment with soil—do—					
ent=	1460.895	m ³			
P-(7) ihm-(4)					
@ Rs	192.03			Rs	2805362
(5) const. of embankment with soil—do—					
ent=	3408.755	m ³			
P-(14) ihm-(5)	@ Rs	154.58			
Continuation = Rs					5269252

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑥ P/V & const. of subgrade & earthen shoulder					
— do —					
amt = 3522 m ³ P- (14)					
chm- ⑥ + amt = 2657.35 m ³					
P- (18) chm- (1)					
= 3522 + 2657.35					
= 6179.35 m ³					
Limit to 6109.880 m ³					
@ Rs 176.64/m ³ = Rs 1079249=					
⑦ P/V & const. of granular					
subbase — do —					
amt = 1125 m ³ P- (14)					
chm- ⑦ + amt 416.895 m ³					
P- (18) chm- (2)					
= 1125 + 416.895					
= 1541.895 m ³ Rs					
@ Rs 1783.82/m ³ = Rs 2750463					
⑧ Dismantling of old existing structure					
— do —					
amt = 2.31 m ³ P- (14)					
chm- ⑧ @ Rs 493.18 = Rs 1139=					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(9) Dismantling of structure of old RCC work of culvert — do —					
amt =	3.0 m ³	P-	(14)		
chm -	(9) @ Rs	1204.44			
				2 Rs	36132
(10) Dismantling of cement mortar work — do —					
amt =	55.44 m ³	P-	(14)		
chm -	(10) @ Rs	353.64			
				2 Rs	196062

(11) Removing of damage house pipe — do —					
amt =	5.0 m	P-	(14)		
chm -	(11) @ Rs	244.92			
				2 Rs	12252

(12) Earthwork excavation in found trenches — do —					
amt =	87.36 m ³	P-	(14)		
chm -	(12) + amt	77.44 m ³			
P -	(15) chm -	18			
=	87.36 + 77.44				
=	164.80 m ³	amt to	164.77 m ³		

Continuation
@ Rs 305.42/m³ = Rs 503242

4795314

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(13) P/V PCC m-15 impound do					
ent = 7.95 m ³ P- (15)					
chm - (13) + ent = 9.67 m ³					
P - (15) chm - (19)					
= 7.95 + 9.67					
= 17.62 m ³ @ Rs 4511					
Rs 4511.52 m ³ Rs 79493-					
(14) P/V PCC m-20 mix concrete impound do					
ent = 54.46 m ³ P- (15)					
chm - (14) + ent = 48.60 m ³					
P - (15) chm - (20)					
= 54.46 + 48.60					
= 103.06 m ³ @ Rs 4988.06					
= Rs 514069-					
(15) P/V PCC m-20 mix concrete in substructure for culvert do					
ent = 40.74 m ³ P- (15)					
chm - (15) + ent = 34.12 m ³					
P - (21) chm - (16)					
= 40.74 + 34.12 = 74.86 m ³					
Limit to 73.240 m ³					
@ Rs 5208.11 m ³ = Rs 381442-					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D	
(16) P/V & Laying 1000mm dia kure pipe					
— do —					
ent = 22.50 m P- (15)					
chm - (16) @ Rs 522.31					
				2 Rs	11846 =
@ Rs 3780.17 2 Rs					85054 =
(17) Filling in found. trenches with sand					
— do —					
ent = 22.68 m ³ P- (16)					
chm - (21) @ Rs 522.31					
				2 Rs	11846 =
(18) Providing, laying, spreading and compacting stone aggregates — do —					
ent = 556.875 m ³ P- (19)					
chm - (3) @ Rs 2508.54 = Rs					1396943 =
(19) Prime coat with SS-1					
— do —					
ent = 6948.50 m ² P- (19)					
chm - (4) @ Rs 41.43 = Rs					287876 =
(20) Tack coat with RS-1					
— do —					
ent = 6948.50 m ² P- (19)					
chm - (5) @ Rs 14.34 = Rs					99641 =

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(21) Mix seal surfacing with 20mm thickness					
do					
ent = 6948.50 m ² P- (19)					
chm - (6) @ Rs 170.75 = Rs 1186446					
(22) const. of un-reinforced plain cement concrete					
do					
ent = 77.616 m ³ P- (29)					
chm - (7) @ Rs 5624.07					
= Rs 436518 =					

(23) Kilometer stone					
do					
(i) ordinary kilometer stone					
ent = 3 No. P- (20)					
chm - 8 (i) @ Rs 2044.68					
2 Rs 6134 =					
(ii) 200 m stone					
ent = 8 No. P- (20)					
chm - 8 (ii) @ Rs 583.31					
2 Rs 4666 =					
(24) Boundary pillar					
do					
ent = 38 No. P- (20)					
chm - (9) @ Rs 524.992 Rs 19950 =					

9305392 =

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(25) Painting two coats on new concrete surface — do —					
ent = 89.28 m ² P- (20)					
chm - (10) @ Rs 99.17 =				Rs	88542
(26) Providing & fixing mngsy sign board — do —					
ent = 3 No. P- (20)					
chm - (11) @ Rs 9277.46					
				2 Rs	278322
(27) Retro-reflectised traffic sign — do —					
ent =					
(i) 600 mm equilateral triangle					
ent = 14 No. P- (21)					
chm - 12 (i) @ Rs 3407.02					
				2 Rs	476982
(ii) 600 mm x 450 mm rectangular board — do —					
ent = 4 No. P- (21)					
chm - 12 (ii) @ Rs 4466.52					
				7 Rs	178662

Continuation

9407642:

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(28) Road marking with hot applied Thermoplastic compound on BT surface					
do					
ent = 363.32 m ² P- (21)					
chm - (13) @ Rs 735.89 = Rs					267364:
(29) Road marking with hot applied Thermo-plastic compound on C.C. surface					
do					
ent = 25.40 m ² P- (21)					
chm - (14) @ Rs 870.17					
= Rs					221022
(30) Brick siding					
do					
ent = 127 m ² P- (21)					
chm - (15) @ Rs 459.43					
= Rs					58348:
(31) Plain reinforced cement concrete in substructure					
do					
ent = 4.460 m ³ P- (22)					
chm - (17) @ Rs 5481.12					
= Rs					24446:

Continuation

9779902:

Continuation.

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(36) Supplying, fitting & placing HYSD bar					
do					
ent: 3.200 MT					
P- (24) itm- (22)					
@ Rs 54104.72 = Rs					1731572
(37) Providing concrete for plain/reinforced concrete in open foundation					
RCC - m-20 mix					
do					
ent: 80.01 m ³ P- (25)					
itm- 28 (23)					
@ Rs 5246.73 = Rs					4197912
(38) P/V & const. of 300 mm ϕ hume pipe laying					
do					
ent: 90 m P- (25)					
itm- (24) 742.54 = Rs					668282
Total Rs					10532478
Add 12% GST (+) Rs					1263897
Add 1.0% Labour (+) Rs					1053252
Add Seigniorage fee (+) Rs					177856
Total Rs					12079556
Less 5.06% below (-) Rs					611226
Continuation C/o Total Rs					11468330

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B/F	No	11468330 =
					/
			Total	B	11468330 =
Less previous bill amount			⊖	R	3433758 =
			Total	R	8034572
					/
			Total	R	8034572 =

Grading
19/07/23
JE

21/07/23
AE

21/07/23
MS

Material statement

- ① E/W = 2657.35 m³
- ② coarse sand = 249.75 m³
- ③ stone metal - aggregates = 1227.544 m³
- ④ stone screening = 133.65 m³
- ⑤ Brick = ~~6906~~ 6909 No.
- ⑥ steel = 3.862 MT
- ⑦ Bitumen emulsion (SS-1) = 5.876 MT
- ⑧ Bitumen emulsion (RS-1) = 1.905 MT
- ⑨ Bitumen material (vg-10) = 13.202 MT
- ⑩ crushed stone = 187.61 m³

Continuation

Grading
19/07/23
JE

21/07/23
AE