

सूची संख्या ५९ एवं सूची अनुसूचित जाति राजा न
Schedule XLV-Form No. 134

[Head - MMSV(EE)]

गांधी DIVISION

श्रीवा SUB-DIVISION

DM construction

Measurement Book

1374

1376

(Prof. Anurag Kumar)
सिद्ध

कोयले - डी.ए. (CD) 1374

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	

5th & Final Bill

Name of Work:- Const. of road from Chuni Kamespur
Path to Audhuni Anusuchit Jati Tala
Under M.M.G.S.V. (Sd).

Agency:- Om Construction Prib. Anusuchit Kumar

Agreement No. 70 S.B.D. of 2018-19

Date of Work Order:- 20.11.2018.

Time of Completion:- 12 Months (19.11.2019)

Quoted Rate:- 10% Below as per Agreement.

Const. Cost Rs. 67.18 lakh

Maintenance Cost Rs. 4.05 lakh

Total Cost Rs. 71.230 lakh.

Items of Work

① Const. of unreinforced plain cement concrete
pavement (M.G. grade) with da-da-all

Complete job. as per technical specification.

3.60m x 5.40m x 0.16m = 3.11 m³

3 x 30.00m x 3.75m x 0.16m = 54.00 m³

1 x 22.00m x 3.75m x 0.16m = 13.20 m³

3.70m x 6.30m x 0.16m = 3.73 m³

4.60m x 6.30m x 0.16m = 4.64 m³

18.60m x 3.75m x 0.16m = 11.16 m³

Qty = 89.84 m³

② Earthwork in excavation for foundation

of R.C.C. slab culvert with 1 x 2.11 span.

Abt 2 x 7.60m x 2.133m x 1.600m = 51.87 m³

Retn 4 x 1.767m x 1.930m x 1.600m = 21.83 m³

At 2 x 0.400m x 1.000m x 1.600m = 1.28 m³

Under 1 x 5.500m x 0.400m x 0.225m = 0.50 m³

Qty = 75.48 m³

Particulars	Detail of actual measurement				Contents of area
	No.	L	B	D	
③ Laying Brick siding flooring under Deck slate with do do all complete gals.					
1x5.700m x 1.800m					10.26m ²
④ Bracing P.C.C. M20 grade in open foundation with do do all complete gals.					
Abutment	2x	7.600m	2.133m	0.200m	6.48m ³
Return	4x	1.767m	1.930m	0.200m	2.73m ³
Cutoff wall	2x	0.400m	1.000m	0.200m	0.16m ³
Under Deck plate	1x	5.700m	1.800m	0.150m	1.54m ³
				Qty =	10.91m ³
⑤ Brick masonry work with Cement mortar in foundation excluding pointing and plastering					
Abutment (Below NBL)	2x	6.000m	1.670m	1.400m	11.99m ³
Return (Below NBL)	4x	1.767m	1.430m	1.400m	14.15m ³
Cutoff wall	2x	1.200m	0.580m	1.400m	1.97m ³
				Qty =	47.21m ³
⑥ Brick masonry work with Cement mortar in substructure excluding pointing and plastering as per technical specification.					
Abutment (Above NBL)	2x	6.000m	0.917m	1.300m	14.31m ³
Return (Above NBL)	4x	2.084m	0.665m	1.500m	8.81m ³
				Qty =	23.12m ³
⑦ Reinforcement Concrete M20 grade in substructure					
Abutment cap	2x	6.000m	0.700m	0.200m	1.68m ³
Return cap	4x	2.300m	0.400m	0.150m	0.55m ³
Side wall	2x	6.000m	0.400m	0.240m	1.15m ³
Keel	2x	2.600m	0.450m	0.300m	0.70m ³
End pillar	4x	0.400m	0.400m	0.600m	0.38m ³
				Continuation	
				Qty =	4.46m ³

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Sch. XIV-Form No. 124

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
(1) Paving and laying of concrete floor material shown				
Area of slab as per technical specification				
1 x 2.600m x 6.000m x 0.120m =				3.74 m ³
(2) Supplying, filling and placing 100mm layer				
with cement concrete for 100mm				
with 100mm x 100mm x 100mm concrete				
(1.16 + 3.74) m ³ x 0.01 m ³ =				6.56 m ³
				Qty = 0.656 MT
(3) Brick masonry work with 100mm (113) in				
parapet wall, 100mm high and 100mm				
2 x 2.600m x 0.100m x 0.100m =				1.25 m ³
(4) Plastering work with 100mm (113) in				
100mm thick plaster with 100mm thick				
Aluminum corner plate 2 x 6.000m x 0.200m =				15.60 m ²
Subtotal				
1 x 2.600m x 1.500m =				19.08 m ²
Parapet wall (side)				
1 x 2.600m x 0.600m =				4.80 m ²
Parapet wall (top)				
2 x 2.600m x 0.400m =				5.60 m ²
Parapet wall (side)				
1 x 0.400m x 0.600m =				0.96 m ²
				Qty = 12.04 m ²
(5) Backfilling of sandy material between				
under wall, return wall and backfilling				
2 x 2.084m x 1.600m x 1.000m =				13.65 m ³
				17.36 m ³
Back filling				
				Qty = 30.01 m ³
(6) Paving of platform in the form of				
slab and return wall				
				28.00 MT
(7) Destructive waste as per specification				
				2.00 MT

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(15) Bore dip and fixing of 1cm and 2cm mesh					
(i) 1cm 2 tones					2.00 Nos.
(ii) 2cm 2 tones					4.00 Nos.
(16) Painting two coats with synthetic enamel paint on parapet wall culvert.					
2 x 6.20m x 1.80m					22.32 m ²
(17) Bore dip and fixing of 200 x 50 mm x 10 mm					
caulkenery, mandatory and informative sign board as per approved drawing					
600 mm square lateral drainage					6.00 Nos.
600 mm x 1.50 mm rectangular drain					8.00 Nos.
(18) Bore dip and fixing of Maintenance Board					1.00 Nos.
(19) Const. of embankment with approved material extended from borrow pits with ahead upto 100m.					
32 x 30.00m x 2.50m x 1.20m					2880.00 m ³
32 x 30.00m x 1.25m x 0.30m					360.00 m ³
					Qty = 3240.00 m ³
(20) Re-do of new letters and figures with synthetic enamel paint as per technical specification					
2 x 1.4					88.00 Nos.
M. Waseem 19.02.2022 J. E. Chaudhary					
L. K. Singh 19/02/2022 AG					
Material Statement					
Earth = 3315.48 m ³					NYSD Bar Reinforcement = 0.656 MT
Stone Aggregate = 98.06 m ³					Cement = 60.41 m ³ = 18138 kg
Coarse sand = (49.03 + 1.05 + 18.04 + 36.01 + 0.16) = 104.29 m ³					
Bricks = (35,720 + 330) = 36,120 Nos.					
Continuation					
M. Waseem 19.02.2022 J. E. Chaudhary					
L. K. Singh 19/02/2022 AG					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
ABSTRACT OF COST					
① Roading and fixing of 4 ft. x 4 ft. M.M.C.M. information sign board with "LOGO"					
vide T.M.B. Page No. 20.					
Qty. 2.00 Nos. @ Rs. 11,107 = 54 each ————— Rs. 22,215 = 00					
② Cost of working Bench marks					
vide T.M.B. Page No. 20					
Qty. 1.037 km @ Rs. 4489 = 33/km ————— Rs. 4935 = 00					
③ Clearing and Grubbing road laid					
vide T.M.B. Page No. 20					
Qty. 0.44 Hect. @ Rs. 47,312 = 21/Hect Rs. 20,817 = 00					
④ Cost of embankment with approved material deposited at site from roadway cutting and excavation from road and four sides of other structures graded and compacted.					
vide T.M.B. Page No. 20.					
Qty. 71.70 m ³ @ Rs. 45202/m ³ ————— Rs. 3228 = 00					
⑤ Cost of embankment with approved material obtained from borrow pit with a lead upto 100 m.					
vide T.M.B. Page No. 21					
Qty. 1140.30 m ³ @ Rs. 10999/m ³ ————— Rs. 1,25,422 = 00					
⑥ Cost of subgrade and earthen shoulders in B.T. and C.C. Portion with a lead upto 100 m.					
vide T.M.B. Page No. 21					
Qty. 1001.55 m ³ @ Rs. 157 = 89/m ³ ————— Rs. 1,58,135 = 00					
Continuation					Rs. 3,34,742 = 00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					Rf. 3,34,742=00
⑦ Cost of G.C.P. by providing well graded material					
vide T.M.B. Page No. 21					
Qty. 556.25 m ³ @ Rs. 2920 = 71/m ³					Rf. 16,24,4500
⑧ Cost of W.P.C. Gutter with stone screening					
vide T.M.B. Page No. 21					
Qty. 312.982 m ³ @ Rs. 4057 = 39/m ³					Rf. 12,69,894=00
⑨ Earth work in excavation of foundation for H.P.C. structures of 1000 mm with single row pipe upto 1.50 m depth.					
vide T.M.B. Page No. 21					
Qty. 33.54 m ³ @ Rs. 271 = 26/m ³					Rf. 9112=00
⑩ Providing P.C.C. Mix in open foundation etc.					
vide T.M.B. Page No. 21					
Qty. 2.65 m ³ @ Rs. 6091 = 99/m ³					Rf. 16,144=00
⑪ Brick masonry work with C.M. in foundation					
vide T.M.B. Page No. 21					
Qty. 16.61 m ³ @ Rs. 6498 = 07/m ³					Rf. 1,07,900=00
⑫ Brick masonry work with C.M. in substructure					
vide T.M.B. Page No. 21					
Qty. 10.16 m ³ @ Rs. 6789 = 46/m ³					Rf. 68,981=00
⑬ Providing and laying of 100 mm P.C.C. H.P.C.					
vide T.M.B. Page No. 22					
Qty. 7.00 m @ Rs. 4316 = 60/m ³					Rf. 30,275=00
⑭ Laying 1st class bedding under H.P.C. pipe					
vide T.M.B. Page No. 22					
Qty. 3.57 m ³ @ Rs. 405 = 61/m ³					Rf. 1448=00
Continuation					
					Rf. 34,65,297=00

Sch. XLV-Form No. 134

Particulars	Details of actual measurement			Contents of area
	No.	L	B	
				Rs. 34,65,237.00
(17) Sand filling in foundation trench around P.C.				
vide T.M.B. Page No. 22.				
Qty. 7.72 m ³ @ Rs. 4050/m ³ — Rs. 3131.00				
(18) Brick masonry work with C.M. (1:2) in parapet wall including plaster and paint				
vide T.M.B. Page No. 23.				
Qty. 2.88 m ³ @ Rs. 6762/m ³ — Rs. 19,476.00				
(19) Plastering with C.M. (1:4) on brick work.				
surface in substructure with 15 mm thick				
vide T.M.B. Page No. 23.				
Qty. 20.46 m ² @ Rs. 1718/m ² — Rs. 35,195.00				
(20) Providing and applying primer coat with (SS)				
vide T.M.B. Page No. 22.				
Qty. 3598.00 m ² @ Rs. 4864/m ² — Rs. 1,75,007.00				
(21) Providing and applying tack coat with (RS)				
vide T.M.B. Page No. 23.				
Qty. 3598.00 m ² @ Rs. 1680/m ² — Rs. 58,288.00				
(22) Providing, laying and bedding of 30 mm thick M.S.				
vide T.M.B. Page No. 23.				
Qty. 3598.00 m ² @ Rs. 2155/m ² — Rs. 7,75,621.00				
(23) Road marking with H.A.T.P.C. at both edges of B.T.				
vide T.M.B. Page No. 23.				
Qty. 130.00 m ² @ Rs. 8404/m ² — Rs. 1,09,252.00				
(24) Const. of earthwork cut with approved method				
obtained from levelled with a road width 10m				
Continuation				
vide T.M.B. Page No. 23.				
Qty. 132.30 m ³ @ Rs. 14659/m ³ — Rs. 19,385.00				
				C/O - Rs. 46,79,491.00

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	H.	
				Rt	Rt
				Rt	34,65,837=
(15) Sand filling in foundation trench around p.p.					
vide T.M.B. Page No. 22.					
Qty. 7.72 m ³ @ R. 465 = 61/m ³				Rt	2131=
(16) Brick masonry work with C.M (1:2) in parapet wall including pointing and plaster					
vide T.M.B. Page No. 22.					
Qty. 2.88 m ³ @ R. 676.2 = 46/m ³				Rt	19,476=
(17) Plastering with C.M (1:4) on brick work.					
surface in substructure with 15 mm thick					
vide T.M.B. Page No. 22.					
Qty. 3.16 m ² @ R. 518 = 21/m ²				Rt	2595=
(18) Providing and applying primer coat with (P.S.)					
vide T.M.B. Page No. 22.					
Qty. 3598.09 m ² @ R. 48 = 64/m ²				Rt	1,75,007=
(19) Providing and applying tack coat with (P.S.)					
vide T.M.B. Page No. 22.					
Qty. 3598.09 m ² @ R. 16 = 32/m ²				Rt	58,288=
(20) Providing, laying and rolling of 25 mm thick M.S.					
vide T.M.B. Page No. 22.					
Qty. 2598.09 m ² @ R. 215 = 57/m ²				Rt	7,75,621=
(21) Road marking with H.P.C. at both edges of R.T.					
vide T.M.B. Page No. 22.					
Qty. 130.30 m ² @ R. 840 = 48/m ²				Rt	1,59,691=
(22) Construction of kerbs with approved material					
subgrade from kerb to edge with a bed of 100 mm					
vide T.M.B. Page No. 22.					
Qty. 132.30 m ³ @ R. 146 = 52/m ³				Rt	19,385=
				C/O - R.	46,79,491=

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					Rs. 46,79,431.-
(33) Cost of C.C. Pavement (macadam) with T.M.B. Page No. 25					
Qty 99.94 m ³ @ Rs. 7763 = m ³ — Rs. 6,39,225.-					
(34) Cost of work in construction for formation of Structure R.C.C. substructure with 1:2:4 concrete vide T.M.B. Page No. 25					
Qty 75.48 m ³ @ Rs. 271 = 26/m ³ — Rs. 20,530.-					
(35) Laying of brick along flowing under Bank side vide T.M.B. Page No. 26					
Qty 10.26 m ³ @ Rs. 256 = 72/m ³ — Rs. 2634.-					
(36) Brick masonry work with 1:2:4 concrete vide T.M.B. Page No. 26					
Qty 10.91 m ³ @ Rs. 6091 = 93/m ³ — Rs. 66,464.-					
(37) Brick masonry work with 1:2:4 concrete in substructure vide T.M.B. Page No. 26					
Qty 47.21 m ³ @ Rs. 6433 = 97/m ³ — Rs. 3,06,991.-					
(38) Brick masonry work with 1:2:4 concrete in substructure vide T.M.B. Page No. 26					
Qty 23.12 m ³ @ Rs. 6729 = 46/m ³ — Rs. 1,56,972.-					
(39) R.C.C. M ₂₀ (1:2:4) grade in substructure vide T.M.B. Page No. 26					
Qty 4.46 m ³ @ Rs. 7404 = 90/m ³ — Rs. 3,30,35.-					
(40) Binding and laying R.C.C. M ₂₀ in substructure. R.C.C. slab of 1x3M 2 pan. substructure. vide T.M.B. Page No. 27.					
Qty 3.74 m ³ @ Rs. 8327 = 42/m ³ — Rs. 31,145.-					
Continuation					C.R.-Rs. 59,36,297.-

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
③ Lifting, filling and placing of 1000 mm reinforcement with 60 kg/m ³ of concrete in super structure of R.C.C. abutment. vide T.M.B. Page No. 27 Qty. 0.656 m ³ @ Rs. 72,323 = 47,323/-				Rs. 47,323/-
④ Back filling with 100 mm (100) mm thick work in sub structure of R.C.C. abutment. vide T.M.B. Page No. 27 Qty. 1.25 m ³ @ Rs. 67,62 = 84,525/-				Rs. 84,525/-
⑤ Back filling with 100 mm (100) mm thick work in sub structure of R.C.C. abutment. vide T.M.B. Page No. 27 Qty. 42.04 m ³ @ Rs. 179 = 7,516/-				Rs. 7,516/-
⑥ Back filling of sandy material behind abutment, retaining wall and road filling. vide T.M.B. Page No. 27 Qty. 30.01 m ³ @ Rs. 664 = 19,927/-				Rs. 19,927/-
⑦ Providing and placing of reinforcement in retaining wall of abutment and retaining wall of road. vide T.M.B. Page No. 27 Qty. 22.00 Nos. @ Rs. 153 = 3,366/-				Rs. 3,366/-
⑧ Providing and placing of reinforcement in retaining wall of road. vide T.M.B. Page No. 27 Qty. 2.00 Nos. @ Rs. 563 = 1,126/-				Rs. 1,126/-
⑨ Back filling and filling of 100 mm and 200 mm stone. vide T.M.B. Page No. 27 Qty. 2.00 Nos. 100 mm stone @ Rs. 2525 = 5,050/- Qty. 4.00 Nos. 200 mm stone @ Rs. 682 = 2,728/-				5,050/- 2,728/-
C/O Rs. 60,31,950/-				

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				815	R. 6,91,931=00
(38) Painting two coats with egg white enamel paint on parapet wall of central bus stop					
vide T.M.B. Page No. 28.					
Qty. 22.32 m ² @ R. 105 = 52/m ²					R. 2,355=00
(39) Painting and fixing of 200 x 200 x 200 mm					
cautionary, mandatory and informative signboard					
vide T.M.B. Page No. 28.					
6.00 Nos. 600 mm x 600 mm x 20 mm signboard @ R. 3858 = 10 each					R. 23,149=00
8.00 Nos. 600 mm x 450 mm x 20 mm signboard @ R. 4583 = 05 each					R. 36,664=00
(40) Painting and fixing of 1000 mm x 1000 mm					
vide T.M.B. Page No. 28.					
Qty. 1.00 Nos. @ R. 11107 = 54 each					R. 11,107=00
(41) Cost of embankment with approved material					
obtained from borrow pits with a lead up to 100m.					
vide T.M.B. Page No. 28.					
Qty. 3240.00 m ³ @ R. 109 = 99/m ³					R. 3,56,368=00
(42) Laying Newel Posts and figures with G.R. paint					
vide T.M.B. Page No. 28.					
Qty. 88.00 Nos. @ R. 0 = 50 each					R. 44=00
Total					R. 65,21,619=00
Less 10% rate below as per Agreement				(-)	R. 6,52,162=00
					R. 58,69,457=00
Less previous bill payment Amount as per (vide T.M.B. Page No. 24)				(-)	R. 42,11,549=00
Net Payment					R. 16,57,915=00
W. S. Chaudhary					
19.02.2012					

T.E. Chaudhary

Continuation

19/02/2012

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