

M.M.G.S.T

Chakra To Abdapur

Schedule XLV-Form No. 134

DIVISION

Chakra No. 133477C

SUB-DIVISION

Chakra No. 133477C

MEASUREMENT BOOK

533

1945 → M/S Jai Maq Bhagwati Construction

VIth On A/C Bill

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work:- Construction and five					
Year maintenance of road from					
Chadar to Abdulpur					
Agency:- Tri Mas Bhagwati Construction					
Date of Commencement - 11-11-2019					
Date of Completion - 10-11-2020					
Agreement no. :- 28/SB/2019-20/MMGSY					
Details of Measurement					
1) Box cutting	2x7x25.00x0.375x0.10 =				13.125m ³
	6x30.00				
	2x1x20.00x0.525x0.10 =				2.10m ³
2) Cont. of Gbb with well graded					15.225m ³
material with grading material					
	6x30.00x4.05x0.20 =				135.00m ³
	4x15.00x6.50x0.20 =				78.00m ³
	1x5.00x7.50x0.20 =				7.50m ³
	2x20.00x0.525x0.10 =				2.10m ³
	1x20.00x4.05x0.10 =				8.10m ³
	2x5x30.00x0.375x0.10 =				11.25m ³
	2x1x15.00x0.375x0.10 =				1.125m ³
	16x2.50x1.60x0.10 =				6.40m ³
	28x1.50x1.00x0.10 =				4.20m ³
	19x1.80x1.20x0.10 =				4.18m ³
	18x2.60x0.50x0.10 =				2.34m ³
					264.795m ³
3) Providing laying and compaction					
WBM GUTTI					
	1x10.00x	(10.50+6.50)/2			x0.075 = 6.375m ³
	1x10.00x7.80x0.075 =				5.850m ³
	1x10.00x7.0x				

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1	10.00	7.70	0.075	$= 5.775 \text{ m}^3$
	1	10.00	8.30	0.075	$= 12.45 \text{ m}^3$
					30.40 m^3
<u>2/ Construction of reinforced joint Cement Concrete pavement</u>					
	1	10.00	$\frac{6.40+4.60}{2}$	0.16	$= 9.60 \text{ m}^3$
	1	15.00	$\frac{6.50+4.50}{2}$	0.16	$= 13.20 \text{ m}^3$
	1	5.00	$\frac{7.00+5.00}{2}$	0.16	$= 4.80 \text{ m}^3$
	5	5.00	3.60	0.16	$= 14.40 \text{ m}^3$
	1	12.00	3.75	0.16	$= 7.20 \text{ m}^3$
Drain	1	15.00	0.80	0.15	$= 1.80 \text{ m}^3$
	2	15.00	0.60	0.10	$= 1.80 \text{ m}^3$
					52.80 m^3

3/ Const. of Subgrade and earthShoulder

	2	25.00	1.80	0.20	$= 18.00 \text{ m}^3$
	2	5.00	1.80	0.20	$= 3.60 \text{ m}^3$
	2	25.00	2.10	0.075	$= 7.875 \text{ m}^3$
	2	5.00	2.10	0.075	$= 1.575 \text{ m}^3$
	2	20	30.00	0.375	$\times 0.10 = 45.00 \text{ m}^3$
	2	4	25.00	0.50	$\times 0.10 = 10.00 \text{ m}^3$
	2	20	30.00	0.375	$\times 0.075 = 33.75 \text{ m}^3$
	2	4	25.00	0.50	$\times 0.075 = 7.50 \text{ m}^3$
	2	20	30.00	0.375	$\times 0.16 = 72.00 \text{ m}^3$
	2	4	25.00	0.50	$\times 0.16 = 16.00 \text{ m}^3$
	2	2	10.00	0.50	$\times 0.10 = 6.00 \text{ m}^3$
	2	2	10.00	1.50	$\times 0.075 = 4.50 \text{ m}^3$
	2	2	10.00	1.50	$\times 0.16 = 9.60 \text{ m}^3$

Continuation

 235.40 m^3

Sch.XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
5/ providing and applying primer					
Coat with SS-1					
	10	30.00	3.75	=	1125.00 m ²
	10	30.00	3.75	=	1125.00 m ²
	10	30.00	3.75	=	1125.00 m ²
	10	30.00	3.75	=	1125.00 m ²
	10	30.00	3.75	=	1125.00 m ²
	10	30.00	3.75	=	1125.00 m ²
	10	30.00	3.75	=	1125.00 m ²
	8	30.00	3.75	=	900.00 m ²
	7	15.00	5.50	=	577.50 m ²
	1	10.00	5.95	=	59.50 m ²
					10537.00 m ²
7/ providing and applying					
Jack coat with RS-1					
Qty. vide item no 5/ P(43)					
				=	10537.00 m ²
8/ providing laying and rolling					
Closed graded precast surfacing					
20 mm thick					
Qty same as item no 5/ P(43)					
				=	10537.00 m ²
9/ Construction of embankment					
with approved material obtained from					
borrow pits					
Ch	Fl/A m ³	M/A m ³	Dist/m	Qty m ³	
00	3.270	-	-	-	

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Ch	FT/ft	M/A	(m)	D/ft	sq. (m ²)
50	2.435	2.953	50	147.625	
100	3.124	2.880	50	143.975	
150	3.223	3.199	50	159.925	
200	6.430	4.852	50	242.525	
250	10.430	8.430	50	421.50	
300	8.095	9.263	50	463.125	
350	5.084	6.590	50	329.475	
400	5.079	5.082	50	254.075	
450	5.482	5.281	50	264.025	
500	6.794	6.138	50	306.900	
550	4.693	5.744	50	287.175	
600	5.844	5.260	50	263.425	
650	5.783	5.814	50	290.675	
700	10.970	8.377	50	418.825	
750	6.355	8.663	50	433.125	
800	6.584	6.470	50	323.475	
850	5.868	6.226	50	311.30	
900	7.874	6.871	50	343.500	
950	8.006	7.940	50	397.00	
1000	7.494	7.750	50	387.50	
1050	7.387	7.441	50	372.025	
1100	6.299	6.843	50	342.150	
1150	5.623	5.951	50	299.550	
1200	5.759	5.681	50	284.050	
1250	2.830	4.295	50	214.725	
1300	2.867	2.849	50	142.425	
1350	2.796	2.832	50	141.575	

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1400	1-821	3.809	50		120.925
1450	3-047	3.234	50		196.700
1500	2-672	2.860	50		142.975
1550	2-755	2.714	50		135.675
1600	4-167	3.461	50		173.050
1650	2-684	3.426	50		171.275
1700	3-182	2.933	50		146.650
1750	4-765	3.974	50		198.625
1800	2-721	3.743	50		182.150
1850	2-237	2.826	50		141.30
1900	2-691	2.811	50		140.550
1950	3-164	2.928	50		146.375
2000	8-616	5.820	50		294.50
2050	7-861	8.239	50		411.925
2100	8-533	8.197	50		409.850
2150	8-061	8.297	50		414.850
2200	4-821	6.441	50		322.050
2250	6-255	5.588	50		276.900
2300	7-892	7.074	50		353.625
2350	8-535	8.214	50		410.675
2400	8-553	8.544	50		427.200
2450	9-086	8.820	50		440.975
2500	7-766	8.926	50		421.300
2550	9-056	8.411	50		420.550
2600	7-725	8.391	50		419.525
2650	9-532	8.629	50		431.425
2700	8-007	8.770	50		438.975
2750	7-125	7.566	50		378.300

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2800	6.746	6.916	50		345.775
2850	4.813	5.760	50		287.975
2900	6.817	5.815	50		290.750
2950	6.160	6.489	50		324.415
3000	6.984	6.572	50		328.600
3050	5.099	6.042	50		302.075
3100	4.285	4.694	50		234.700
3150	2.317	3.303	50		165.150
					190.550
3200	5.665	3.991	50		193.540
3250	6.316	5.991	50		293.525
3300	5.641	5.969	50		298.425
3350	4.415	5.018	50		250.900
3400	1.850	3.133	50		156.625
3450	2.350	2.100	50		105.00
3500	2.452	2.401	50		120.050
3530	2.015	2.234	30		67.005
					20023.2551
Less Grub	1967.075	264.795		241	2231.871
Less WBM	981.22	30.40		261	1011.621
Less CI Pavement	421.052	52.80		261	473.8521
Less Backgrade and gutter shoulder					
	6835.48	235.40		261	9070.881
					9215.0331
(a) For Lead up to 100m					
68% of 9215.033 m ³					= 6266.221
(b) For Lead up to 1000m					
32% of 9215.033 m ³					= 2948.811
					Limit = 2911.91 m ³

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
10/ Construction of embankment with material obtained from box cutting					
60% Qty of Box cutting					
Qty wide P.P. 9/ =				98.55 m ²	
Qty wide P (91) =				15.225 m ³	
				113.775 m ³	
60% of 113.775 m ³				=	68.265 m ³
11/ Painting of parapet wall					
Top	9 x 2	6.15	0.40		44.28 m ²
Side	9 x 4	6.15	0.60		132.84 m ²
Front	9 x 4	0.40	0.60		8.64 m ²
					185.76 m ²
12/ Road Marking with hot applied thermo-plastic compound on BT surface					
2 x 10 x 30.00 x 0.10 =					60.00 m ²
2 x 10 x 30.00 x 0.10 =					60.00 m ²
2 x 10 x 30.00 x 0.10 =					60.00 m ²
2 x 10 x 30.00 x 0.10 =					60.00 m ²
2 x 10 x 30.00 x 0.10 =					60.00 m ²
2 x 10 x 30.00 x 0.10 =					60.00 m ²
2 x 10 x 30.00 x 0.10 =					60.00 m ²
2 x 10 x 30.00 x 0.10 =					60.00 m ²
2 x 2 x 25.00 x 0.10 =					10.00 m ²
2 x 1 x 5.00 x 0.10 =					1.00 m ²
					551.00 m ²
13/ Road Marking with hot applied					

Continuation

Sch.XLV-Form No. 134					Contents of area
Particulars	Details of actual measurement				
	No.	L.	B.	D.	
the compound Compound					
	2x10x30.00x0.10				60.00 m ²
	2x10x30.00x0.10				60.00 m ²
	2x45x30.00x0.10				80.00 m ²
	2x1x10.00x0.10				2.00 m ²
					152.00 m ²
A/ Reinforced Cement Concrete					
Mugrade kilometre stone					
(a) ordinary km stone					4 Nos
(b) 200k stone					14 Nos
15/ providing and fixing typical					
MMSV log and information sign board					2 Nos
16/ providing and fixing					22 Nos
17/ providing and fixing retro reflective traffic sign					
(a) 600mm equilateral triangles					18 Nos
(b) 800mm x 600mm rectangular					6 Nos
(c) 600mm x 450mm rectangular					8 Nos
18/ planting of tree by the roadside					
					275.00 m ³
Drainage					
19/ E/W in excavation for foundation	1x10.00x0.80x0.80				6.40 m ³
20/ sand filling in foundation	1x10.00x0.80x0.10				0.80 m ³
21/ providing RCC M/S grade in foundation	1x10.00x0.80x0.10				0.80 m ³
22/ Brickwork 1:4 CM	2x10.00x0.25x0.55				2.75 m ³
23/ Plastering in CM 1:4 Sand brick	1x10.00x2.00				20.00 m ²
24/ 1.5mm thick Cement Putty	1x10.00x2.00				20.00 m ²
25/ RCC M/S grade Comp. 1:4	2x10.00x0.25x0.05				0.25 m ³

Shree
12-11-2020
J.E.

Continuation 11/20

Sch.XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Abstract of last					
1/ providing laying and compacting LBS					
Gm III					
Qty. vide P-68/				= 421.87 m ³	
Qty. vide P-69/				= 438.75 m ³	
Qty. vide P-33/				= 120.60 m ³	
Qty. vide P-42/				= 30.40 m ³	
				1011.62 m ³	
@ B 3385.77					= B 3425113.00
2/ setting out work					
(a) Bench mark pillar					
Qty. vide P-113/				= 4 Nos	
@ B 4191.04					= B 16764.00
(b) Reference pillar					
Qty. vide P-13/				= 19 Nos	
@ B 1904.11					= B 26658.00
3/ Clearing and grubbing ground land					
Qty. vide P-13/				= 247 Hk	
@ 49739.47					= B 122856.00
4/ Const. of embankment with approved material					
(a) For Lead up to 100 m					
Qty. vide item no 9(a) P-6/					
				= 6266.22 m ³	
@ B 132.56					= B 830650.00
(b) For Lead up to 1000 m					
Qty. vide item no 9(b) P-6/					
				= 2911.91 m ³	
@ B 187.23					= B 545197.00

Continuation

4967238

Sanjay
 कर्मपालक अभियन्ता
 ग्रामीण कार्य विभाग
 जयपुर प्रमोद नगर, जयपुर (ओरिसा)
 30.08.19

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
5/ Const. of R. bogrode and earthen shoulder					
Qty. vide item no (1) P (19)					= 6885.98 m ³
Qty. vide item no. (5) P (12)					= 23540 m ³
					7070.88 m ³
@ Rs 189.11					= Rs 1337174.00
6/ providing and fixing HMGIS V Log board					
Qty. vide item no.	P (19)				= 2 Nos
Qty. vide	P (48)				= 2 Nos
					4 Nos
@ Rs 9977.85					= Rs 39911.00
7/ Discharge of structure					
(a) Cement concrete					
Qty. vide P (19)					= 3.81 m ³
@ Rs 474.67					= Rs 1808.00
(b) Brickwork					
Qty. vide P (14)					= 11734 m ³
@ Rs 228.40					= Rs 26800.00
(c) Hume pipe 600 mm dia					
Qty. vide P (19)					= 5.00 m
@ Rs 229.83					= Rs 1149.00
(d) Hume pipe 600 mm dia					
Qty. vide P (19)					= 37.50 m
@ Rs 169.97					= Rs 6374.00
8/ Const. of G.R. with Graveling material					
Qty. vide item no (1) P (15)					= 1867.07 m ³
Qty. vide item no (2) P (11)					= 269.78 m ³
					2231.87 m ³

Continuation

2231.87 m³
6380454

Sch.XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Q.B. 2248.44					5018226.00 = Rs. 5018226.00
9/ E/W in excavation for foundation					
Qty. vide item no. (7) P(2)					= 148.99 m ²
Qty. vide item no. (9) P-111)					= 89.39 m ²
Qty. vide P(25)					= 29.80 m ²
					268.18 m ²
Q.B. 285.71					= Rs. 26622.00
10/ PCC H/O for Landing Curbs					
Qty. vide item no. (11) P-134)					= 40.95 m ²
Q.B. 5255.21					= Rs. 215201.00
11/ providing PCC M/Grade in Substructure					
Qty. vide item no. (10) P(3)					= 168.72 m ²
Qty. vide item no. (5) P(12)					= 100.64 m ²
Qty. vide P-25)					= 33.74 m ²
					303.10 m ²
Q.B. 6208.47					= Rs. 1881787.00
12/ providing and laying M.P. Hume					
Rise 100mm dia					
Qty. vide P-15					= 60.00 m
Qty. vide P-24					= 7.50 m
					67.50 m
Q.B. 4212.39					= Rs. 284336.00
13/ Box cutting for road way					
Qty. vide item no. (2) P(24)					= 98.55 m ²
Qty. vide item no. (4) P(11)					= 15.225 m ²
					113.775 m ²
Q.B. 82.01					= Rs. 9330.00
14/ Construction of unreinforced joint					
Cement Concrete pavement					

Continuation

13865956

Sch.XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty. Vide		P-36			= 2721.052
Qty. Vide		P(12)			= 52.80
					173.852 m ³
@ Rs 6436.52					= Rs 249957.00
Drain work					
15/ F/W in excavation for foundation					
Qty. Vide item no (3) P(12)					
Qty. Vide P(12)					= 153.60 m ³
@ Rs 285.71					160.00 m ³
					= Rs 43885.00
					4573.00
16/ Sand filling in foundation					
Qty. Vide item no (4) P(12)					= 19.20 m ³
Qty. Vide					= 0.80 m ³
@ Rs 487.32					= Rs 9246.00
17/ Consol. of embankment with material obtained from cutting					
Qty. Vide item no (4) P(12)					= 68.265 m ³
					= 19.20 m ³
@ Rs 487.32					= Rs 9246.00
18/ Providing PVC M/S grade in foundation					
Qty. Vide item no (5) P(12)					
Qty. Vide					= 19.20 m ³
@ Rs 5255.21					= 0.80 m ³
					= Rs 100900.00
					105104.00
19/ Brick masonry in 1:4 CM					
Qty. Vide item no (6) P(12)					
Qty. Vide					= 2.75 m ³
@ Rs 5255.21					= 66.00 m ³
					= 68.75 m ³
					= Rs 361295.00
					= Rs 346844.00
20/ Plastering with CM 1:4					
Qty. Vide					= 2000 m ²
Qty. Vide item no (7) P(12)					= 480.00 m ²
@ Rs 161.17					= 500.00 m ²
@ Rs 183/m ²					= Rs 77362.00
					= Rs 24878.00
					= Rs 80585.00
21 Providing 1.5 mm thick net cement plaster					

Continuation

17510266

Sch.XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty. wide item no 1/ P(16)				20.00m	
Qty. wide item no 6/ P(25)				182.00m	
				500.00m	25915.00
@ 51.83/m				213	24878.00
22/ Providing & laying					
Qty. wide item no 19/ P(25)					
Qty. wide				148/0.25m	
				= 6.00m	
				6.00m	40355.00
@ Rs 6108.47				6.25 = 13	38802.00
					38802.00
23/ Supplying and laying HYSD bar					
in lower reinforcement					
Qty. wide item no 11/ P(32)				= 1.25m	
@ Rs 7804.13				= 13	97543.00
24/ Providing RCC Mass grade in					
Lower slab					
Qty. wide item 2/ P(32)				= 15.00m	
@ Rs 6200.00					
25/ Providing and laying RCC					
300mm duct pipe					
Qty. wide item no 5/ P(33)					
				= 120.00m	
@ Rs 987.89				= 13	1,18,546.00
26/ Providing and applying primer coat					
with bitumen emulsion SS2					
Qty. wide item no 6/ P(43)					
				= 10537.00m	
@ Rs 54.58				= 13	575109.00
27/ Providing and applying tack coat					
Qty. wide item no. (7/ P(43)					
				= 10537.00m	
@ Rs 18.32				= 13	193038.00
28/ Providing, laying and rolling					

Continuation

18662396

Sch.XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
28/1/2 Providing Closed-graded premix surface					
20mm thick					
Qty. vide item no (8) P(43)					
				= 10537.00 m ²	
@ Rs 226.38					= Rs 2385,366.00
29/ Reinforced Cement concrete kerb stone					
(a) Ordinary kerb stone					
Qty. vide item no 14(a) P(48) = 4 Nos					
@ Rs 2200.84					= Rs 8803.00
(b) 200mm stone					
Qty. vide item no 14(b) P(48)					
				= 19 Nos	
@ Rs 639.98					= Rs 8259.00
30/ Reinforced Cement concrete kerb stone					
boundary filler					
Qty. vide item no 14(b) P(48) = 72 Nos					
@ Rs 525.52					= Rs 37837.00
31/ Providing 200mm reflectorized					
traffic sign					
(a) 600mm equilateral triangle					
Qty. vide					
Qty. vide item no 17(a) P(49) = 18 Nos					
@ Rs 4017.18					= Rs 72309.00
(b) 800mm x 600mm rectangular					
Qty. vide item no. 17(b) P(49) = 6 Nos					
@ Rs 7683.68					= Rs 46102.00
(c) 600mm x 450mm rectangular					
Qty. vide item no 17(c) P(49) = 8 Nos					
@ Rs 5307.24					= Rs 42457.00
32/ Planting of tree by the					

Continuation

21269179

Continuation