

MR-N/19.20CHAPRA.2/19

PT.B.NO-3260

Jalalpur to kumma road.

Schedule XLV-Form No. 134

Ag.NO-05MBD/2020-21

Cont. Sri-Mukesh Singh. **DIVISION**

Sri-Ashok Kumar. (A.E)

SUB-DIVISION

Jalalpur.

Measurement Book

PT.B.NO-3260

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
N/W:- Repair & Maintenance work of Road from Jalalpur to Kurnag under new maintenance policy 2018 (MR-3054) of block Jalalpur					
Package NO- MR-N/19-20/chapter-24					19.
Agg. NO- 05/MRD/2020-21					
Date of start - 06.03.2020					
Date of completion - 05.03.2021					
Date of measurement - 02.03.2021					

Item of work.

① Earthwork Calculation for
earthen shoulder (Including
crust)

Sl. NO	chainage.	C/S Area m ²	Mean C/S Area m ²	Dist m	Volume m ³
1	0.00	1.110	0.535	0.00	0.00
2	50	0.450	0.780	50	39.00
3	100	0.350	0.400	50	20.00
4	150	0.650	0.500	50	25.00
5	200	0.340	0.495	50	24.75
6	250	0.540	0.440	50	22.00
7	300	0.650	0.595	50	29.75
8	350	0.670	0.660	50	33.00

Continuation Qty 40 = 193.50 m

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			4.5		
Sl. NO chainage	c/s Area	Mean c/s Area	Dist	Volume	
	m	m ²	m ²	m	m ³
			Qty of P		193.50 m ³
9	400	0.340	0.505	50	25.25
10	450	0.360	0.350	50	17.50
11	500	0.320	0.340	50	17.00
12	550	0.450	0.385	50	19.25
13	600	0.540	0.495	50	24.75
14	650	0.220	0.380	50	19.00
15	700	0.340	0.280	50	14.00
16	750	0.340	0.340	50	17.00
17	800	0.235	0.288	50	14.375
18	850	0.230	0.233	50	11.625
19	900	0.240	0.235	50	11.75
20	950	0.420	0.335	50	16.75
21	1000	0.450	0.440	50	22.00
22	1050	0.240	0.345	50	17.25
23	1100	0.230	0.235	50	11.75
24	1150	0.430	0.330	50	16.50
25	1200	0.340	0.385	50	19.25
26	1250	0.450	0.395	50	19.75
27	1300	0.630	0.540	50	27.00
28	1350	0.530	0.580	50	29.00
29	1400	0.230	0.380	50	19.00

Continuation Qty of P = 583.25 m³

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Sl. No chainage		cf S Area	mean cf S Area	Dtst	Volume
	m	m ²	m ²	m	m ³
			Qty B/F		58325 m ³
30	1450	0.320	0.275	50	13.75
31	1500	0.640	0.480	50	24.00
32	1550	0.260	0.450	50	22.50
33	1600	0.620	0.440	50	22.00
34	1650	0.650	0.635	50	31.75
35	1700	0.450	0.530	50	27.50
36	1750	0.340	0.395	50	19.75
37	1800	0.540	0.490	50	22.00
38	1850	0.450	0.495	50	24.75
39	1900	0.230	0.340	50	17.00
40	1950	0.320	0.275	50	13.75
41	2000	0.640	0.480	50	24.00
42	2050	0.340	0.490	50	24.50
43	2100	0.450	0.395	50	19.75
44	2150	0.800	0.625	50	31.25
45	2200	0.500	0.650	50	32.50
46	2250	0.320	0.410	50	20.50
47	2300	0.430	0.375	50	18.75
48	2350	0.340	0.385	50	19.25
49	2400	0.240	0.340	50	17.00
50	2450	0.460	0.400	50	20.00
51	2500	0.350	0.405	50	20.25

Continuation Qty c/o = 1069.75 m

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Sl. No chainage	c/s Area	m ²	m ²	Dist	volume
	m	m ²	m ²	m	m ³
			Qty	B/F	1069.75 m ³
52	2550	0.450	0.400	50	20.00
53	2600	0.340	0.395	50	19.75
54	2650	1.140	0.740	50	37.00
55	2700	1.240	1.190	50	59.50
56	2750	0.320	0.780	50	39.00
57	2800	0.430	0.375	50	18.75
58	2850	0.450	0.440	50	22.00
59	2900	0.350	0.400	50	20.00
60	2950	0.670	0.570	50	25.50
61	3000	0.650	0.660	50	33.00
62	3050	1.330	0.990	50	49.50
63	3100	0.450	0.890	50	44.50
64	3150	0.450	0.450	50	22.50
65	3200	0.630	0.540	50	27.00
66	3250	1.120	0.875	50	43.75
67	3300	0.640	0.880	50	44.00
68	3350	0.340	0.490	50	24.50
69	3400	0.540	0.440	50	22.00
70	3450	0.450	0.495	50	24.75
71	3500	0.650	0.550	50	27.50
72	3550	0.830	0.740	50	37.00
73	3600	0.750	0.790	50	39.50

Continuation Qty 40 = 1770.75 m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
S/NO chdnage	c/s Area	mean c/s Area	Dist	volume	
	m ²	m ²	m	m ³	
			Qty	B/F	1770.75 m ³
74	3650	0.650	0.700	50	35.00
75	3700	1.230	0.940	50	47.00
76	3750	0.750	0.990	50	49.50
77	3800	0.850	0.800	50	40.00
78	3850	0.750	0.800	50	40.00
79	3900	0.600	0.695	50	33.75
80	3950	1.280	0.940	50	47.00
81	4000	1.250	1.265	50	63.25
82	4050	0.450	0.850	50	42.50
83	4100	0.250	0.350	50	17.50
84	4150	0.230	0.240	50	12.00
85	4200	0.220	0.230	50	11.50
86	4250	0.630	0.430	50	21.50
87	4300	0.230	0.430	50	21.50
88	4350	0.540	0.385	50	19.25
89	4400	0.430	0.485	50	24.25
90	4450	0.250	0.340	50	17.00
91	4500	0.340	0.295	50	14.75
92	4550	1.230	0.785	50	39.25
93	4600	0.540	0.885	50	44.25
94	4650	0.450	0.795	50	24.75

Continuation

Qty c/o = 2436.25 m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
St. No chainage		C/S	mean	Dist	Volume
	m	ft	ft	m	m ³
					2436.25 m ³
95	4700	0.340	0.395	50	19.75
96	4750	0.430	0.385	50	19.25
97	4800	0.640	0.535	50	26.75
98	4850	0.650	0.645	50	32.25
99	4900	0.450	0.550	50	27.50
100	4950 4950	0.520	0.485	50	24.25
101	5000	0.630	0.575	50	28.75
102	5050	1.230	0.930	50	46.50
103	5100	1.420	1.325	50	66.25
104	5150	1.141	1.281	50	64.025
105	5200	1.310	1.226	50	61.275
106	5250	0.120	0.715	50	35.75
107	5300	1.230	0.675	50	33.75
108	5350	0.540	0.885	50	44.25
109	5400	0.852	0.696	50	34.80
110	5450	0.634	0.743	50	37.15
111	5500	1.210	0.972	50	48.60
112	5550	1.120	1.215	50	60.75
113	5600	1.150	1.135	50	56.75
114	5650	1.250	1.200	50	60.00
115	5700	1.160	1.205	50	60.25
116	5750	1.180	1.170	50	58.50

Continuation

Qty c/o = 3388.85 m³

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Sl. No change	C/S	Area	Mean	Dist	Volume
	m.	m ²	ft	ft	cu ft
			21.37	=	3383.85
117	5800	1.110	1.145	50	57.25
118	5850	1.290	1.200	50	60.00
119	5900	1.130	1.210	50	60.50
120	5950	1.120	1.125	50	56.25
121	6000	1.110	1.115	50	55.75
122	6050	0.950	1.030	50	51.50
123	6100	1.220	1.085	50	54.25
124	6150	0.980	1.100	50	55.00
125	6200	1.140	1.060	50	53.00
126	6250	1.180	1.160	50	58.00
127	6300	0.650	0.915	50	45.75
128	6350	0.850	0.750	50	37.50
129	6400	1.120	0.985	50	49.25
			Total =		4077.35
Less for	C/S		(-)		292.67
"	"	WBM-2	(-)		215.61
"	"	WBM-3	(-)		307.55
"	"	M.S.S	(-)		82.01
"	"	SDBC	(-)		600.00
					Net qty of e/w in
					= 2579.51
					Carthen should be
					Qty Paid in Perian bill = 2520.00
					Net payable qty of e/w = 59.51
					In carthen should be

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
② Planting of trees by the road side.					
ch - 0.00 Km - 1.00 Km				58	Nos
ch - 1.00 Km - 2.00 Km				42	Nos
ch - 2.00 Km - 3.00 Km				50	Nos
ch - 3.00 Km - 4.00 Km				52	Nos
ch - 4.00 Km - 5.00 Km				48	Nos
ch - 5.00 Km - 6.00 Km				55	Nos
ch - 6.00 Km - 6.400 Km				15	Nos
				Total	320 Nos

Abstract of cost					
1/ Clearing & grubbing of road land.					
1.20 Hect, vide TMBP-14					
① Rs 49496 = 70 Hect Rs 59,396 = 00					
2/ Construction of sub-grade & earthen shoulder					
25 20.00 m ³ , vide TMBP-14					
59.15 m ³ , vide TMBP-22					
2879.51 m ³					
② Rs 176 = 96/m ³ - Rs 4,56,470 = 00					
9/0 Rs 5,15,866 = 00					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B1 P	P5	5,15,866200
3/2. construction of granule					
sub-base by providing					
well graded material.					
292.67 m ³ , vide TMBP-14					
(a) P1 2143 = 24/m ² - P5					6,27,408200
4/4 Plv, Leaning, spreading					
& Compacting of WBM-2					
215.61 m ³ , vide TMBP-14					
(a) P5 3951 = 657/m ² - P5					8,52,015200
5/5 Plv, Leaning, spreading					
& Compacting of WBM-3					
307.55 m ³ , vide TMBP-14					
(a) P5 3532 = 771/m ² - P5					10,86,503200
6/6 Plv & applying Prime					
coat with bitumen					
emulsion SS-1					
4100.67 m ² , vide TMBP-15					
(a) P5 41 = 46/m ² - P5					1,70,014200
7/7 Plv & applying tack coat					
with bitumen emulsion SS-1					
4100.67 m ² , vide TMBP-15					
(a) P5 14 = 06/m ² - P5					57,655200
Continuation c/o P5					23,09,461200

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					RS 33,09,461=60
8 8 Plv. Laying & rolling of close graded premix surfacing material, 4100.67 m ² , vide Tmp-15					
	① RS	223=25/m ²	RS		9,15,475=60
9 9 Plv & applying tack coat with bitumen emulsion RS-1 24000.10 m ² , vide Tmp-15					
	① RS	12022/m ²	RS		2,92,280=60
10 10 Plv & Laying semi dense bituminous concrete as per tech. - nical specifications, 600.10 m ² , vide Tmp-16					
	① RS	10752=60/m ²	RS		64,52,160=60
11 11 Plv & Laying of typical mm G.S Y interlocking 88x115 board with lay 04 NOS, vide Tmp-16					
	① RS	9281274/NOS	RS		37,12,700
					410 RS 1,10,07,503=60

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				61/11 Rs 1,	10,07,503=60
$\frac{12}{22}$ Brick masonry work					
in cement mortar 1:3					
in parapet wall,					
23.04 m ² , vide Tmp R-16					
@ Rs 5102.55/m ² - B					1,17,563=6
$\frac{13}{23}$ Plastering with cement					
mortar 1:4 on new					
brick work					
161.28 m ² , vide Tmp R-16					
@ Rs 143286/m ² - B					23,202=60

$\frac{14}{24}$ Painting two coats on					
new surface					
161.28 m ² , vide Tmp R-17					
@ Rs 95243/m ² - B					15,423260
$\frac{15}{11}$ P.V. & Siding of R.C.C.					
M/S grade ker. stone					
67 NO., vide Tmp R-17					
@ Rs 2228296/NO - B					15,603=60
$\frac{16}{12}$ P.V. & Siding of room					
stone					
26.00 NO., vide Tmp R-17					
@ Rs 621=55/NO - B					16,160=60
				40 B	1,11,95,4542

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					R/F Rs 1, 11,95,454.00
17 13					
					Plv & erecting of
					direction & place 1 day
					direction sign board
					1.92 m ² vide TMBP-17
					(a) Rs 12314 = 61/m ² - Rs 23644.00
18 14					
					Plv & fixing of Rehp.
					- reflectorised traffic
					sign board
					600 mm equilateral
					triangle.

					20 Nos. vide TMBP-17
					(a) Rs 3626 = 71/No - Rs 72,534.20
19 15					
					600 mm Circular
					08 Nos. vide TMBP-18
					(a) Rs 3726 = 46/No - Rs 29,808.00
20 16					
					600 mm x 450 mm rectangle
					08 Nos. vide TMBP-18
					(a) Rs 3596 = 94/No - Rs 28,775.00
21 20					
					Plv & laying of h/r
					applied thermoplastic
					compound 2.5 m thick
					1280.10 m ² , vide TMBP-18
					(a) Rs 735 = 40/m ² - Rs 94,132.00
					C10, B1, 22,91,527

Continuation

Continuation