

468

HR Road to Radici Manghariga Mushar tola

Schedule XLV-Form No. 134

(MMAS) (NDB)

Bagaha-2

DIVISION

Pipraasi

SUB-DIVISION

Munna Kumar Jaiswal

Measurement Book

3rd on A/c 6/1/12

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work - Conm. of road from					
M.R. road to Badki Menthariya Muskar					
tola under railway (NDB)					
Pk. No - railway - NDB - BRPF-520-Bagala-2					
Agency - Revenue Khamar Jaiswal.					
Agg. No - 04 SBB/2023-24					
D/Commencement - 26.6.2023					
D/Completion - 28.6.2024					
D/certify. - 22.01.2024					
Item No - (1) - 5/ce in excavation					
in four trenches d.t.					
$4 \times 7.00\text{m} \times 0.70\text{m} \times 0.60\text{m} =$					11.76m^3
$3 \times 2 \times 3.50\text{m} \times 1.30\text{m} \times 1.20\text{m} =$					99.19m^3
					60.90m^3
Item No - (2) - P.C.C. in four -					
$3 \times 2 \times 2.50\text{m} \times 0.30\text{m} \times 1.50\text{m} =$					6.75m^3
Item No - (3) - Type B first class					
bedding on well compacted sand					
$4 \times 7.00\text{m} \times 0.30\text{m} \times 0.25\text{m} =$					2.10m^3
Item No - (4) - P.V. and Laying NP					
300mm dia. at P. d.b					
$4 \times 3 \times 2.50\text{m}$					$= 30.00\text{m}$
Item No - (5) - S/P/Laying HYSD bar					
reinforcement in culvert wall					
BOX Culvert - 3 nos.					
Details for 1 nos. BOX Culvert					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Condition of 1st wall - (5)					
In cut off wall -					
10 mm dia bar -					
$2 \times 4 \times 2.70 \text{ m} = 21.60 \text{ m}$					
$2 \times 7 \times 5 \times 0.30 \text{ m} = 21.00 \text{ m}$					
				42.60 m	
@ 0.62 kg/m / m					0.026 MT
8 mm dia bar -					
$2 \times 4 \times 3.30 \text{ m} = 26.40 \text{ m}$					
$2 \times 2 \times 5 \times 2.70 \text{ m} = 54.00 \text{ m}$					
				146.40 m	
@ 0.40 kg/m / m					0.059 MT
For 1st Box Curved cut off wall -					0.085 MT
Here 3rd Box Curved cut off					
Wall = $3 \times 6.085 \text{ m} = 18.255 \text{ m}$					17 Nos
Item (6) - Boundary pillars -					
Item (7) P.V. and firing nominal					
Sign board					1 No.
Item (8) - Rubble Strips					
$2 \times 15 \times 3.75 \text{ m} \times 0.25 \text{ m} = 28.13 \text{ m}^2$					
Item (9) - Road marking over					
Rubble strips -					
Area same as for above item (8)					
0.5 m x 0.5 m					28.13 m ²
Item (10) - Planting of trees -					83 Nos.
Item (11) - Const. of embankment					
measr d. d.					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Consideration of the following				(1)	
Calculation of area	area		area	area	area
1.00	1.00		1.00	1.00	
2.00	7.20		0.00	0.00	0.00
5.0	5.32		6.30	50	315.100
10.0	4.625		4.98	50	249.075
15.0	4.76		4.67	50	233.525
20.0	4.60		4.60	50	233.000
25.0	5.067		4.83	50	241.775
30.0	5.46		5.26	50	263.400
35.0	5.62		5.06	50	252.275
40.0	4.78		4.72	50	235.250
45.0	4.95		4.82	50	243.575
50.0	5.05		5.00	50	250.250
55.0	3.536		4.29	50	214.750
60.0	3.413		3.47	50	173.725
610	0.000		1.707	10	17.065
613	0.000		0.000	3	0.000
650	3.567		1.753	37	64.880
682	0.000		1.754	32	56.112
687	0.000		0.000	5	0.000
700	2.372		1.689	13	21.957
750	5.923		4.20	50	210.025
800	5.135		5.079	50	253.950
850	2.237		3.587	50	179.350
900	3.092		2.066	50	103.275

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Continuation of Item No. - (11)					
950	1.778		1.935	50	96.750
1000	1.823		1.801	50	90.025
1050	2.008		1.916	50	95.775
1100	5.067		3.538	50	176.875
1150	5.196		5.132	50	256.575
1200	5.276		5.236	50	261.800
1250	5.115		5.196	50	259.775
1300	5.148		5.132	50	256.575
1350	5.404		5.276	50	263.800
1400	5.276		5.340	50	267.000
1450	5.276		5.276	50	263.800
1500	5.140		5.208	50	260.400
1550	5.438		5.287	50	264.450
1600	5.413		5.426	50	271.275
642	7.445		6.429	42	270.018
	Total gty. with const. →				7167.182
Deduct of const. —					
i) — Subgrade of each shoulder — (-)					4465.38m ³
ii) — G.S.B. — (-)					1290.14m ³
iii) — W.B.M. 3 — (-)					469.56m ³
iv) — B.T. gty. = 6260.74m ³ 750.02m ³ (-)					125.21m ³
v) — Excavated earth lined. — (-)					16.76m ³
					800.132m ³
i) — with a load up to 1000m					
80% gty. of 800.132m ³					= 640.11m ³
ii) — with a load up to 100m					
20% gty. of 800.132m ³					= 160.03m ³
gty. (2) 900mm					

Continuation

Abstract of cost for 3rd. on Alabill.

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1- Const. of R.C.C. m. pillars d-					
V.M.B.P.d (2) $\times$ π (1) = 1.642 km					
Ch. 5769 = 56 / km			Rs.		9473=00
2- Const. of Reinforced. Pillars -					
V.M.B.P.d (2) $\times$ π (2) = 1.642 km					
Ch. 2716 = 78 / km			Rs.		4461=00
3- Clearing & grubbing of R/Land -					
V.M.B.P.d (2) $\times$ π (3) = 0.49 Hect					
Ch. 72697 = 86 / Hect			Rs.		35621=00
4- Excavation for road drain with					
V.M.B.P.d (2) $\times$ π (4) = 23.94 m ³					
Ch. 179 = 60 / m ³			Rs.		4301=00
5- Const. of concrete drain d-					
V.M.B.P.d (2) $\times$ π (5) = 16.76 m ³					
Ch. 68 = 85 / m ³			Rs.		1154=00
6- Const. of concrete drain with					
a road up to 100 m d-					
V.M.B.P.d (2) $\times$ π (6) = 640.11 m ³					
Ch. 259 = 200 / m ³			Rs.		165788=00
7- Const. of concrete drain with					
a road up to 100 m d-					
V.M.B.P.d (2) $\times$ π (7) = 160.03 m ³					
Ch. 183 = 61 / m ³			Rs.		29383=00 1842=00
8- Const. of subgrade & camber & shoulder					
V.M.B.P.d (2) $\times$ π (8) = 4465.38 m ³					
Ch. 262 = 59 / m ³			Rs.		1172341=00
9- Const. of G.B.B. g. road I d-					
V.M.B.P.d (2) $\times$ π (9) = 1290.14 m ³					
Ch. 5665 = 11 / m ³			Rs.		7308785=00

Continuation
C.D. Rs. ~~8703765~~ = 00
8731307 = 00

Continuation 60. Re: 16409915-00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
17 - 17-6-6 m 15 in sub structure	21	1538237	4	00	
$\sqrt{V.M.B.P.N. (23)} \div L (17) = 60.5220$					
Obs. 10461 = 93/m ³			Rs. 633156	= 00	
18 - S/F/Plating, 14/42 bar in					
superstructure d. d.					
$\sqrt{V.M.B.P.N. (23)} \div L (18) = 1.22700$					
Obs. 89015 = 06/m ³			Rs. 109221	= 00	
19 - Back filling behind A/R/road					
$\sqrt{V.M.B.P.N. (23)} \div L (19) = 58.5920$					
Obs. 954 = 85/m ³			Rs. 53013	= 00	
20 - P/R work holes d. d.					
$\sqrt{V.M.B.P.N. (23)} \div L (20) = 96.166$					
Obs. 149 = 68 each			Rs. 14369	= 00	
21 - R.C.C. m 25 in sub structure					
$\sqrt{V.M.B.P.N. (23)} \div L (21) = 29.9720$					
Obs. 118972 = 11/m ³			Rs. 356536	= 00	
22 - S/F/Plating, 14/42 bar in sub structure d. d.					
$\sqrt{V.M.B.P.N. (23)} \div L (22) = 3.28500$					
$\sqrt{V.M.B.P.N. (23)} \div L (23) = 0.25500$					
			3.54000		
Obs. 81531 = 34/m ³			Rs. 288621	= 00	
23 - p/r work laying filter media					
$\sqrt{V.M.B.P.N. (23)} \div L (23) = 59.5920$					
Obs. 6566 = 76/m ³			Rs. 393570	= 00	

Continuation C.O. Rs. 182 584 21 = 00
18258421 = 00

C.O. ~~Rg. 18563521=00~~
18591062=00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.F. to 1857/0		571-00
32 - P.W. and Heavy Machinery			1857/0		62-00
32, 33, 34					
3470 board ft.					
V.T.M.P.H. (26) d/f (30) = 3 Nos.					
V.T.M.P.H. (30) d/f (7) = 1 Nos.					
			4 Nos.		
Qto. 15423 = 26 each				for 61693 = 00	
33 - 600mm. V. triangular					
35					
V.T.M.P.H. (26) d/f (31) = 4 Nos.					
Qto. 4676 = 34 each				for 18705 = 00	
34 - 600mm. dia. Octagonal					
36					
V.T.M.P.H. (26) d/f (22) = 1 Nos.					
V.T.M.P.H. (32) d/f (12) = 1 Nos.					
			2 Nos.		
Qto. 9814 = 35 each				for 19629 = 00	
35 - 600mm. Circular					
37					
V.T.M.P.H. (26) d/f (33) = 4 Nos.					
Qto. 5858 = 85 each				for 23435 = 00	
36 - 600mm. x 450mm. Rectangular					
38					
V.T.M.P.H. (25) d/f (38) = 4 Nos.					
Qto. 5811 = 48 each				for 23246 = 00	
37 - Road. working over B.T.S.					
39 & 41					
V.T.M.P.H. (25) d/f (35) = 330.60 m ²					
V.T.M.P.H. (20) d/f (9) = 28.13 m ²					
				358.73 m ²	
Qto. 781 = 5.1 m ²				for 28035 = 00	
				Qto. 28035 = 00	
				Qto. 19018121 = 00	

Continuation 19018121 = 00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.T. R.		18790582=00
38/40 - Paved area			R.d.		19018121=00
R.T. area (30) - 1/2 (8) = 28.13m ²					
R.B. 303 = 60/m ²			R.		9665=00
39/42 - Planting of trees					
R.T. area (20) - 1/2 (10) = 83 m ²					
R.B. 1173 = 87 each			R.		77431=00
			R.		19125317=00
Add. 12% for GST & 1% for L. 0.023					36210558=00
(+) R. 3633791=00			(+) R.		36210558=00
R. 22759008=00			R.		22759008=00
			R.		22726234=00
Detail for S. fee -					
(i) - 8/10 m embankment, Supergate and					
earth shoulder			84p = 122.74m ³		
R.B. 35 = 01/m ³			R.		4297=00
(ii) - M/s type B (Paved area) - 28.13m ²					
R.B. 11 = 45/m ²			R.		322=00
(iii) - Boundary P. 1/2 m - 17 m P. 1/2 m = 0.378m ³					
R.B. 1036 = 64/m ³			R.		388=00
(iv) - 600mm circular 3H P. 1/2 m = 0.378m ³					
R.B. 1036 = 64/m ³			R.		392=00
(v) - 500 x 450 mm Rectangular - 2H					
P. 1/2 m = 0.252m ³					
R.B. 1036 = 64/m ³			R.		261=00
(vi) - 600mm board - 1H P. 1/2 m = 0.252m ³					
R.B. 1036 = 64/m ³			R.		261=00
					5921=00
Continuation					
					22726234=00
					22759008=00

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Continuation