

Measurement Book

M.B.No - 1532

SUB-DIVISION 21969 - 1200 20
 DIVISION 21969 - 1200 20

Shedule XLV Form No. 134.

"M.R. 3052"
 21969 - 1200 20

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2nd R/A & Final Bill					
N/w - Repairing of road from Madurna Pahad to Jagdehwan Baudh.					
CH-Head - MR-3054 (New Maint. Policy 2018)					
Name of contractor:-					
Rinky Dey					
Vill- Brilashpur Po- Ghordahan					
Dist- Rehtas					
Accepted Rate - 0.00% Below					
Agreement No- MBD-17/2021-22					
D.O.C- 17.12.2021					
Date of completion- 16.9.22					
Dim -					
① Consn of Subgrade & earthen					
Shoulder - da-eir					
Coty B.T Portion.					
$2(28 \times 30.00) \times 1.00$					
$\times 0.150 = 252.00 \text{ m}^3$					
$2(21 \times 30.00) \times 1.00$					
$\times 0.150 = 189.00 \text{ m}^3$					
$2(49 \times 30.00) \times 1.00$					
$\times 0.150 = 441.00 \text{ m}^3$					
$2(33 \times 30.00) \times 1.00$					
$\times 0.150 = 297.00 \text{ m}^3$					
$2(39 \times 30.00) \times 1.00$					
$\times 0.150 = 351.00 \text{ m}^3$					
.....					
Coty 1530.00 m ³					

Continuation

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Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
		B.F. Qty		1530.00 m ³
$2(31 \times 30.00) \times 1.00$				
$\times 0.150 = 279.00 \text{ m}^3$				
$2(23 \times 30.00) \times 1.00$				
$\times 0.150 = 207.00 \text{ m}^3$				
$2(18 \times 30.00) \times 1.00$				
$\times 0.150 = 162.00 \text{ m}^3$				
$2(23 \times 30.00 + 25.00) \times 1.00$				
$\times 0.150 = 214.50 \text{ m}^3$				

C.C. Portion -

$$2(20.00 \times 30.00 + 25.00) \times 0.60 \times 0.100 = 75.00 \text{ m}^3$$

② Providing and applying Primer

Coat - do - e/l

$$\text{Qty } 15.00 \times 3.75 = 56.25 \text{ m}^2 - 56.25 \text{ m}^2$$

③ Providing and laying S.B.C

Concrete - do - e/l

$$\text{Qty } 15.00 \times 3.75 \times 0.025 = 1.406 \text{ m}^3 - 1.406 \text{ m}^3$$

④ E/w in excavation for founda-

tion of structure - do - e/l

Qty H/w

$$2 \times 3.90 \times 1.477 \times 1.50 = 17.28 \text{ m}^3$$

Below Pipe

$$1 \times 4.696 \times 1.130 \times 0.365 = 1.94 \text{ m}^3$$

$$\text{Total } 19.22 \text{ m}^3 - 19.22 \text{ m}^3$$

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑤ Providing m/s P.C.C. (1:2.5:5)					
as swelling course - do - all					
Qty H/W					
$2 \times 3.90 \times 1.477 \times 0.150 =$					1.73 m ³
Below Pipe					
$1 \times 5.663 \times 1.130 \times 0.25 =$					1.60 m ³
					Total 3.33 m ³ - 3.33 m ³
⑥ Providing Plain/perforated					
Cement concrete in Substructure					
- do - all					
H/W $2 \times 3.70 \times 0.864$					
$\times 1.50 =$					9.59 m ³
Parapet $2 \times 3.70 \times 0.450$					
$\times 0.600 =$					1.998 m ³
less for Pipe					
$2 \times 0.7857 \times (0.680)^2$					
$\times 0.739 = (-)$					0.536 m ³
					Total Qty 11.052 m ³ - 11.052 m ³
Approach $12.40 \times 4.80 \times 0.100 =$					5.952 m ³
					Total Qty 17.004 m ³ - 17.004 m ³
⑦ Providing R.C.C. m/s grade km/					
local stone - do - all					
Qty (i) 5th km stone					2.00 Nos
(ii) Ordinary km stone					8.00 Nos
(iii) 200 m stone					34.00 Nos
⑧ Providing and laying of Hot					
applied Thermoplastic road.					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
making - do - ell					
@ 1/2 one side					
$(32 \times 30.00) \times 0.100 = 96.00 \text{ m}^2$					
$(44 \times 30.00) \times 0.100 = 132.00 \text{ m}^2$					
$18.00 \times 0.100 = 1.80 \text{ m}^2$					
Another side					
$(23 \times 30.00) \times 0.100 = 69.00 \text{ m}^2$					
$(36 \times 30.00 + 2.00) \times 0.100 = 108.20 \text{ m}^2$					
$(61 \times 30.00) \times 0.100 = 183.00 \text{ m}^2$					
$(53 \times 30.00) \times 0.100 = 159.00 \text{ m}^2$					
$(37 \times 30.00) \times 0.100 = 111.00 \text{ m}^2$					
Total Qty					858.00 m^2
$(32 \times 30.00) \times 0.100 = 96.00 \text{ m}^2$					
$(44 \times 30.00) \times 0.100 = 132.00 \text{ m}^2$					
$1 \times 18.00 \times 0.100 = 1.80 \text{ m}^2$					
Total Qty					1089.60 m^2
⑨ Providing R.C.C. 15 grade					
guard stone - do - ell					
@ 1/2 166.00 Nos					166.00 Nos
⑩ Planting of tree by the					
road side - do - ell					
@ 1/2 683.00 Nos					683.00 Nos
⑪ Providing and fixing					
of 250 mm reflector					
traffic sign - do - ell					
@ 1/2 (12600 mm equilateral					
triangle					25.00 Nos
(11) 600 mm circular					10.00 Nos

Continuation

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Particulars	Details of actual measurement				Content of area
	No.	L.	B.	D.	
ABSTRACT OF COST					
1) Clearing and grubbing of road land - do - @11					
Qty vide item no -	(1)				
T.M.B Page no -	(1)				
Qty 3.19 Hae					
@ R 54971.14/Hae — R 175357=9					
2) Comp ⁿ of granular sub base providing well graded.					
Material - do - @11					
Qty vide item no -	(2)				
T.M.B. Page no	(1)				
Qty 99.52 m ³					
@ R 2822.29/m ³ — R 280914=10					
3) Providing laying spreading and compacting s/m G ₂ II					
do - @11					
Qty vide item no -	(3)				
T.M.B Page no -	(3)				
Qty 145.66 m ³					
@ R 5008.96/m ³ — R 729605=11					
4) Providing laying spreading s/m G ₂ III - do - @11					
Qty vide item no -	(4)				
T.M.B Page no	(5)				
Qty 371.12 m ³					
@ R 4590.80/m ³ — R 1703737=69					
5) Providing and applying primer coat - do - @11					

Continuation

CO R 2889614=84

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.F.P.	2889	614.84
Qty	vide item no.	(5)			
T.M.B	Page no.	(7)			
Qty		4948.28 m ²			
@ R		51.15/m ²		R 253104 = 52	
(6) Providing and applying					
Tack coat - do. etc					
Qty	vide item no.	(6)			
T.M.B	Page no.	(16)			
Qty		38057.39 m ²			
Qty	vide item no.	(2)			
T.M.B	Page no.	(22)		56.25 m ²	
Total Qty 38113.64 m ²					
Lt	to	38103.93 m ²			
@ R		17.33/m ²		R 660341 = 10	
(7) Providing laying and rolling					
Close graded Premix carpet					
-do- etc					
Qty	vide item no.	(7)			
T.M.B	Page no.	(8)			
Qty		553084 m ²			
@ R		195.95/m ²		R 1083768 = 09	
(8) Providing and laying SDBC					
bituminous concrete -do- etc					
Qty	vide item no.	(9)			
T.M.B	Page no.	(9)		813.129 m ²	
Qty	vide item no.	(3)			
T.M.B	Page no.	(22)		1.406 m ²	
Continuation					
CO Total Qty 814.535 m ²					
CO R 4886828 = 55					

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

		B.F	R	48868	28 = 55
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		B.F	Qty	814.935 m ³	
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		Lt to	814.31 m ³		
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		@ R	11511 = 28/m ³	- R	9373750
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(9) C/W in excavation for foundation of structure - do - els

		Qty	vide item no.	(10)	
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		T.M.B	Page no.	(9)	37.78 m ³
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		Qty	vide item no.	(4)	
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		T.M.B	Page no.	(22)	19.22 m ³
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		Total Qty	57.00 m ³		
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		@ R	310 = 73/m ³	- R	17711 = 61
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		(10) Provision	P.C.C. m/s (1125 = 5)		
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		in levelling	coarse - do - els		
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		Qty	vide item no.	(11)	
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		T.M.B	Page no.	(10)	6.121 m ³
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		Qty	vide item no.	(5)	
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		T.M.B	Page no.	(23)	3.33 m ³
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		Total Qty	9.451 m ³		
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		@ R	6045.51/m ³	- R	57136 = 11
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(11) Provisioning Plain Reinforced P.C.C. in Substructure.

		- do -	Elis		
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		Qty	vide item no.	(12)	
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		T.M.B	Page no.	(10)	36.436 m ³
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		Qty	vide item no.	(6)	
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		T.M.B	Page no.	(23)	17.004 m ³
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		Total Qty	53.44 m ³		
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Continuation

		@ R	6900.74/m ³	- R	368775 = 54
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		CE R	14704202 = 22		
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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		13.1	R	147042	02=22
(12) Providing and laying RCC Pipe NB of dia. 60mm.					
- do - all					
Qty vide item no. (13)					
T.M.B Page no. (10)					12.50 m.
@ R 3203.39/m					B 40042 = 37
(13) Painting on Prepared wall					
Two coats - do - all					
Qty vide item no. (14)					
T.M.B Page no. (11)					
Qty 24.96 m ²					
@ R 183=1021 m ²					B 3571.37
(14) Providing Brick masonry in C.M (1:3) for Parapet - do - all					
Qty vide item no. (15)					
T.M.B Page no. (11)					
Qty 28.80 m ²					
@ R 6334.71/m ²					B 182439 = 65
(15) Plastering with C.M (1:4) on brickwork on Sub structure					
- do - all					
Qty vide item no. (16)					
T.M.B Page no. (11)					
Qty 403.20 m ²					
@ R 175.06/m ²					B 70584 = 19
(16) Painting Two Coats including Primer - do - all					

Continuation

Co B 14999839 = 78

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B.F	R	1499	9839=78
Qty vido item no (17)					
T.M.B Page no (17)					
Qty 585.60 m ²					
@ B 103.02/m ²				B 60	328=57
(17) Providing and fixing of Typical masonry masonry					
Syn. Board -do- etc					
Qty vido item no- (18)					
T.M.B Page no (18) - 2.00 NW					
@ B 9597=06/NW - B19194=12					
(18) Providing laying of Hot applying Thermo plastic compound					
road marking -do- etc					
Qty vido item no. (19)					
T.M.B Page No - (12) - 630.00 m ²					
Qty vido item no (8)					
T.M.B Page no. (23) - 1089.60 m ²					
Total Qty 1719.60 m ²					
@ B 744.10/m ² - B 1279554=36					
(19) Comp'y Subgrade & earthen					
Shoulder -do- etc					
Qty vido item no (1)					
T.M.B Page no - (21)					
Qty 2467.50 m ³					
@ R 242.42/m ³ - B 598171=35					
(20) Providing R.C.C mis grad.					
cc R 16957088=12					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		13.5	R	1695	7088=12
K.m/local stone - do - e11					
Qty vide item no (7)					
T.m.B Page no - (23)					
(i) 5th km stone - 2.00 nos					
@ R 4744 13/Nov - B					9488.26
(ii) Ordinary km stone - 8.00 nos					
@ R 2492.79/Nov - B					19942=32
(iii) 200 m stone - 34.00 Nos					
@ R 693.02/Nov - B					23562=68
(2) Providing R.C.C. on 15 grade					
Guard stone - do - e11					
Qty vide item no - (9)					
T.m.B Page No - (24) - 166 Nos					
@ R 581.74/Nov - R					96568=84
(22) Planting of tree by the					
road side - do - e11					
Qty vide item no (10)					
T.m.B Page no (24) - 683 Nos					
@ R 1066.45/Nov - B					728385=35
(23) Providing and fixing of					
retroreflectised traffic sign					
- do - e11					
Qty vide item no - (11)					
T.m.B Page no - (24)					
(i) 600mm equilateral triangle					
Qty 25.00 Nos @ R 3691.74/Nov - B					92293=50

Continuation

Cof 17927329=07

Continuation