

MMGSY, 1056 to Purnanadith

(Rate below - 10%)

Schedule XLV Form No. 134.

Ag. No. :- 265BD/19-20 (Ag. Value :- 53.34703)

Sherghati

DIVISION

Mohambur

SUB-DIVISION

Agency :- Rinku devi

Measurement Book

M.B. No - 1139

Name of work -

Situation of work -

Agency by which work is executed -

Date of measurement -

No. and date of agreement.

(These four lines should be repeated at the commencement of the measurements relating to each work.)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Tst on A/c Bill.					
Name of Work - Construction of					
road from L.O.S.G to					
Puzamadih Under MHGSY					
Name of Contractor - Rinki Devi					
Agreement No. - 2GSBD/2019-20					
Date of Work Start - 29.08.2019					
Date of completion - 28.05.2020					
Tst on A/c Bill.					
Date of Measurement - 04.05.2020					
1. (i) Construction of reference					
Bench Marks and					
reference Pillars					
$30 \times 25.00 = 750 \text{ m}$					
$= 0.75 \text{ Km}$					
(ii) Construction of reference					
Pillars/Buzjees					
$30 \times 25.00 = 750 \text{ m}$					
$= 0.75 \text{ Km}$					
2. Clearing and grubbing					
of road land					
$30 \times 25.00 \times 7.00 = 5250.00 \text{ m}^2$					
$1 \times 3.00 \times 7.00 = 21.00 \text{ m}^2$					
Continuation 5271.00 m^2					
$= 0.53 \text{ Hect}$					

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
3. Construction of embankment with lead 100m.					
				$\frac{3 \times 30.00 \times 7.30 + 8.50 \times 0.30}{2}$	$= 213.30 m^3$
				$\frac{4 \times 30.00 \times 8.50 + 9.60 \times 0.275}{2}$	$= 298.65 m^3$
				$\frac{1 \times 15.00 \times 8.50 + 9.60 \times 0.275}{2} = 37.33 m^3$	
					$549.28 m^3$
4. Construction of embankment with lead 100m.					
				$\frac{16 \times 30.00 \times 8.50 + 9.60 \times 0.275}{2}$	$= 1194.60 m^3$
				$\frac{1 \times 30.00 \times 8.50 + 9.30 \times 0.20}{2}$	$= 53.40 m^3$
				$\frac{1 \times 15 \times 8.50 + 9.30 \times 0.20}{2} = 26.70 m^3$	
					$1274.70 m^3$
5. Construction of sub-grade & earthen shoulders.					
				$\frac{11 \times 30.00 \times 7.20 + 8.40 \times 0.30}{2}$	$= 772.40 m^3$
				$\frac{11 \times 30.00 \times 7.20 + 8.40 \times 0.30}{2}$	$= 772.40 m^3$
				$2 \times 22 \times 30.00 \times 1.33 \times 0.20 = 351.12 m^3$	
					$1895.92 m^3$
6. Construction of granular sub-base.					

Continuation p.T. D.

Sch. XLV-Form No. 154

Particulars	Details of measurement				Contents of area
	No.	L.	B.	D.	
B.T. part - $11 \times 30.00 \times 4.05 \times 0.20 = 267.30 \text{ m}^3$					
$11 \times 30.00 \times 4.05 \times 0.20 = 267.30 \text{ m}^3$					
C.C. part - $3 \times 30.00 \times 3.75 \times 0.10 = 33.75 \text{ m}^3$					
					568.35 m^3
Const. of 1000 mm dia H.P. culvert.					
7. E/W in excavation in					
foundn. for str.					
$3 \times 2 \times 6.30 \times 1.40 \times 1.50 = 79.38 \text{ m}^3$					
$3 \times 1 \times 5.90 \times 1.50 \times 0.80 = 21.24 \text{ m}^3$					
					100.62 m^3
8. Providing P.C.C. M10 grade					
in open foundation.					
$3 \times 2 \times 6.30 \times 1.40 \times 0.15 = 7.94 \text{ m}^3$					
9. Providing P.C.C. M15 grade					
in open foundation					
$3 \times 2 \times 6.00 \times 1.35 + 0.70 \times 1.35$					
					$= 49.82 \text{ m}^3$
10. Providing P.C.C. M15 grade					
in sub-structure.					
$3 \times 2 \times 6.00 \times 0.70 + 0.40 \times 1.75$					
					$= 34.65 \text{ m}^3$
$3 \times 2 \times 6.00 \times 0.40 \times 0.60 = 8.64 \text{ m}^3$					
					43.29 m^3
Deduct for H.P.					
$3 \times 2 \times 3.14/4 (1.20)^2 \times 0.60 = 4.07 \text{ m}^3$					
					39.22 m^3
P.T.O.					

Continuation

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Material statement					
1. Soil					3719.90 m ³
2. Stone Aggregate					588.476 m ³
3. Coarse Sand					46.55 m ³
4. Fine Sand					262.494 m ³
5. cement					2647 H.T.

Abstract of cost.					
1(i)/	Construction of bench marks & reference pillars.				
	Gt + vide TMB item.				
	No 1(i) P.M.I = 0.75/km.				
	@ Rs 7449 = 14/km - 5587 = 0				
1(ii)/	Construction of reference pillars/Burjees.				
	Gt + vide TMB item.				
	No 1(ii) P.M.I = 0.75/km.				
	@ Rs 4945 = 37/km - 3709 = 0				
2/	Clearing & grubbing of road land.				

Continuation

2/0 - 19296 = 00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	B/F —				M 9296 = 00
	Stp. vide TMB item.				
	No 2 P M 1 = 0.53 Hect				
	CR 49739 = 47/Hect M 26362 =				
3/ Const. of embankment					
	With lead - 1000m.				
	Stp. vide TMB item.				
	No 3 P M 2 = 549.28 m ³				
	Limit - 546.47 m ³				
	PM 194 = 12/m ³ M 106,080 =				
4/ Const. of embankment with					
	faced up to 1000m.				
	Stp. vide TMB item.				
	No 4 P M 2 = 1274.70 m ³				
	PM 184 = 74/m ³ M 235,488 =				
5/ Const. of sub-grade &					
	eastern shoulder.				
	Stp. vide TMB item.				
	No 5 P M 2 = 1895.92 m ³				
	PM 196 = 101/m ³ M 3,71,600 =				
6/ Construction of granu-					
	lar sub-base.				
	Stp. vide TMB item.				
	No 6 P M 3 = 568.35 m ³				
	PM 2231 = 68/m ³ M 12,68,375 =				
	C/O — M 20,17,201 = 00				

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B/F —			1320,17,201=00
7/ E/W in excavation in					
foundn for str.					
Qty vide TMB item					
NO 7 PM 3 =		100.62 m ³			
CR 285 =		71/m ³			1328,748=00
8/ Providing P.C.C. H/G grade					
in open foundn					
Qty vide TMB item					
NO 8 PM 3 =		794 m ³			
CR 5317 =		46/m ³			1342,221=00
9/ Providing P.C.C. H/G grade					
in open foundn					
Qty vide TMB item					
NO 9 PM 3 =		49.82 m ³			
CR 5174 =		14/m ³			13257,776=00
10/ Providing P.C.C. H/G grade					
in sub-structure					
Qty vide TMB item					
NO 10 PM 3 =		39.22 m ³			
Limit -		39.12 m ³			
CR 5384 =		71/m ³			13210,650=00
11/ Providing & laying 100 mm					
dia. pipe					
					13025,56,596=00

Continuation

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Sub div. Mohanpur


Executive Engineer
RWD, Works Division
Sherghati

EE

Sch. XLV-Form No. 134

Sherghati DIVISION
Mohanpur SUB-DIVISION

Measurement Book

Dt. of work start:- 29.8.19 No. 1139
Dt. of work comp:- 28.5.2020

Name of officer _____

Date of first entry _____

Date of last entry _____