

L035 to Nima Jema Tola Pethra (WB)
Under MMUSY (WB)

Ag-No- 100 SBD/2020-2021

Shedule XLV Form No. 134.

Shergahati

DIVISION

Moham puz

SUB-DIVISION

Angad kumar Sinha

Measurement Book

(1311)

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.	
	1st on A/C Bill.				
Name of work: - Const. of Road from					
1035 to Nima Dima Taka					
Pathra under MMG-SY (WB)					
Name of contractor: - Angad Kumar					
Sinha, H - Narayanpur,					
P.O. - Panari, P.S. - Belagang					
Gaya.					
Agreement No. - 100/SBD/2020-21					
Date of comm. - 05.03.2021					
Date of comp. -					
Date of Measurement: - 20.12.2021					
- Items -					
1. Const of reference and					
warning bench marks:					
$33 \times 30 \text{ cm} = 990 \text{ cm}$					
$= 0.99 \text{ km}$					
2. Const. of reference Pillars/					
Burgies:					
$33 \times 30 \text{ cm} = 990 \text{ cm}$					
$= 0.99 \text{ km}$					
P. T. O.					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
3. <u>cleaning and grubbing of</u>					
<u>the road area.</u>					
					$33 \times 30.00 \times 7.00 = 6930 \text{ m}^2$
					$= 0.693 \text{ Hect.}$
4. <u>Const. of embankment</u>					
<u>with lead 100 m.</u>					
					$10 \times 30.00 \times 8.60 + 9.60 \times 0.25$
					$= 692.50 \text{ m}^3$
5. <u>Const. of embankment with</u>					
<u>lead up to 100 m.</u>					
					$11 \times 30.00 \times 8.60 + 9.50 \times 0.25$
					$= 671.96 \text{ m}^3$
					$12 \times 30.00 \times 8.60 + 9.60 \times 0.25$
					$= 819.50 \text{ m}^3$
					1490.96 m^3
6. <u>Const. of sub-grade and</u>					
<u>earthen shoulders.</u>					
					$33 \times 30.00 \times 7.40 + 8.60 \times 0.30$
					$= 2376.50 \text{ m}^3$
					$2 \times 33 \times 30.00 \times 1.33 \times 0.20 = 526.68 \text{ m}^3$
					2502.68 m^3
7. <u>Const. of granular sub-</u>					
<u>base in road</u>					
					$33 \times 30.00 \times 4.05 \times 0.20 = 801.90 \text{ m}^3$
8. <u>Providing & fixing M.H.S.Y</u>					
<u>information Board</u>					
Continuation					
Logs Board - 1 MS.					
Citizen Board - 1 MS.					
2 MS.					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
9. Dismantling of existing str.					
in plain cement concrete.					
					$2 \times 1 \times 3.50 \times 1.14 \times 0.15 = 1.20 \text{ m}^3$
10. Dismantling of existing str. in					
brick masonry.					
					$\frac{2 \times 2 \times 4.20 \times 1.25 + 0.40 \times 2.50}{2} = 34.65 \text{ m}^3$
11. Removal of damage tunnel					
pipe upto 600 mm dia.					
					$2 \times 1 \times 5.00 = 10.00 \text{ m}^3$
Const of 1000 mm dia. Murrum pipe culvert.					
12. E/W in excavation in the					
foundn. for str.					
					$2 \times 2 \times 6.30 \times 1.40 \times 1.50 = 52.92 \text{ m}^3$
					$2 \times 1 \times 5.90 \times 1.50 \times 0.30 = 5.31 \text{ m}^3$
					58.23 m^3
13. Providing P.C.C. H/S grade in					
open foundn.					
					$2 \times 2 \times 6.30 \times 1.40 \times 0.15 = 5.29 \text{ m}^3$
14. Providing P.C.C. H/S grade					
in open foundn.					
					$\frac{2 \times 2 \times 6.40 \times 1.35 + 0.70 \times 1.35}{2} = 33.21 \text{ m}^3$
					$2 \times 1 \times 1.50 \times 0.25 \times 5.90 = 4.43 \text{ m}^3$
					37.64 m^3

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
15. Providing P.C.C M20 grade in sub-8m. $2 \times 2 \times 6\text{ cm} \times 0.70 + 0.40 \times 1.80$ 2 = 23.76 m³ $2 \times 2 \times 6\text{ cm} \times 0.40 \times 0.60 = 5.76 \text{ m}^3$ Deduct for H.P. - 29.52 m³ $2 \times 2 \times 3 \times 1\frac{1}{4} (1.25)^2 \times 0.60 = 2.71 \text{ m}^3$ 26.81 m³					
16. Providing & laying 100 mm diam thermal pipe $2 \times 3 \times 2.50 = 15.00 \text{ m}$					
17. Providing & laying 300 mm. diam thermal pipe $18 \times 2.50 = 45.00 \text{ m}$					
18. Providing gravel filling in foundation trenches $2 \times 2 \times 6\text{ cm} \times 0.405 = 9.72 \text{ m}^3$ $2 \times 1 \times 6.30 \times 1.50 \times 0.90 = 17.01 \text{ m}^3$ 26.73 m³ Deduct for H.P. - $2 \times 1 \times 6.30 \times 0.91 = 11.47 \text{ m}^3$ 15.26 m³ Ast ✓ 29/12/21 J.E. Recd 20-12-21 A-E					

Continuation

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Particulars	Details of actual measurement				Co. of area
	No.	L.	B.	D.	
Material statement.					
1. Soil -					5076.14 m ³
2. Stone Aggregate -					781.806 m ³
3. coarse sand -					338.934 m ³
4. Fine sand -					18.312 m ³
5. cement -					24.013 H.T.
By ✓ 20/12/21 J E					
Abstract of cost.					
1/1 construction of reference					
p working bench marks.					
Qty. wire TMB item.					
m 12 m 1 = 0.99 km.					
Rs 5838 = 89/km - Rs 5781 = 20					
2/2 const. of reference					
Pillars/Burjees.					
Qty. wire TMB item.					
m 2 P m 1 = 0.99 km.					
Rs 4627 = 31/km - Rs 4581 = 20					
3/3 clearing & scrubbing of					
the road land.					
c/o - Rs 10,362 = 20					

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B/F			110,362 = 40
		84y wide TMB item			
		m3 PM2 = 0.6931 Hect			
		CRS 1145 = 25/Hect = 135458 = 4			
4/6 Const of embankment					
		with lead 100m			
		84y wide TMB item			
		m4 PM2 = 682.50 m ³			
		CRS 190 = 22/m ³ = 11,29825 = 2			
5/7 Const of embankment with					
		lead up to 100m			
		84y wide TMB item			
		m5 PM2 = 1490.96 m ³			
		CRS 154 = 33/m ³ = 2,30,189 = 40			
6/8 Const of sub-grade of					
		eastern shoulders			
		84y wide TMB item			
		m6 PM2 = 2902.68 m ³			
		CRS 198 = 57/m ³ = 1,57,6385 = 2			
7/9 construction of granular					
		sub-base			
		84y wide TMB item			
		m7 PM2 = 80.90 m ³			
		CRS 2435 = 38/m ³ = 1,952.93 = 20			
8/20 Providing & fixing MMA SY					
		information board			
		Continuation			
		c/o			15,29,35,150 = 40

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B/P			329,35,150240
		Qty. vide TMB item			
		NO. PM2 = 2 nos.			
		CRS 5748 = 30 each			19,497 = 40
9/29 Dismantling of existing					
		str. in cement concrete			
		Qty. vide TMB item			
		NO. PM3 = 1.20 m ³			
		CRS 480 = 97/m ³			15,977 = 40
10/29 Dismantling of existing					
		str. in cement mortar			
		Qty. vide TMB item			
		NO. PM3 = 34.65 m ³			
		CRS 346 = 34/m ³			11,999 = 40
11/29 Removal of damaged frame					
31		pipe up to 600 mm dia.			
		Qty. vide TMB item			
		NO. PM3 = 16.40 m			
		CRS 174 = 78/m			13,1748 = 40
12/32 E/W in excavation in					
		foundation for str.			
		Qty. vide TMB item			
		NO. PM3 = 58.23 m ³			
		CRS 294 = 78/m ³			11,7162 = 40
13/ Providing P.C.C M 15 grade					
34		in open foundation			

Continuation
2/0 → 29,86,133 = 40

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B/F	—	1323	86,133 = u
		Qty. V. side TMB item			
		MD3 PM3 = 5.28 m ³			
		CA 927 = 19/m ³		1326	165 = u
14/35 Providing P.C.C. H ₂ O in					
open foundation					
		Qty. V. side TMB item			
		MD4 PM3 = 37.64 m ³			
		CA 5159 = 92/m ³		11,94	182 = u
15/38 Providing P.C.C. H ₂ O grade					
in sub-str.					
		MD5 PM4 = 26.81 m ³			
		CA 5587 = 62/m ³		11,49	804 = u
16/45 Providing & Laying 100 mm					
dia. tube pipe					
		Qty. V. side TMB item			
		MD6 PM4 = 15.00 m			
		CA 4302 = 30/m		11,54	534 = u
17/46 Providing & Laying 400					
mm dia. tube pipe					
		Qty. V. side TMB item			
		MD17 PM4 = 45.00 m			
		CA 849 = 97/m		11,38	249 = u
18/47 Providing sand fill in					
in foundation trenches					
Continuation					
210 — 1134,58,967 =					

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B/F		134,58,967
Qty. made			TM 13 item.		
			NO 18 PM 4		= 19.26 m ³
			@ 531 = 80/m ³		138115 = 00
					134,67,082 = 00
			Add 12% GST		134,16,050 = 00
			Add 1% Labour cess		13,34,671 = 00
			Add Seigniorage		1352,423 = 00
					RS 39,70,226 = 00
			Less 12.00% below		134,76,427 = 00
As per					TD 34,93,799 = 00
Sd/-	20/12/21				20/12/21
Sd/-					