

Construction of road and CD work Form.
Painthe Pashnik nichyalaya to Novstok manysya
Schedule XLV-Form No.-134

mmu2124

DIVISION

SUB-DIVISION

171
19-20

MEASUREMENT BOOK

1.1

2013.2.20

LYM42125 DIVISION 1
LYM42125 SUB-DIVISION 1

MMBSY 9102015-Palmita Prastiyuk Widayakaya
to Navtoy

✓
Anil

Executive Engineer
Rural Works Department
Works Division Phulparas

Date of last entry

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				
H/W- Construction of road and concrete work					
from Patna Pathmile Vardhacharya to Noulal					
under MMGSY (Gen).					
MA Eng- Dharmendra Kumar Yadav					
Agreement no- 57 SBD / 19-20.					
Date of agreement 20-3-2020.					
Date of work order 20-3-2020.					
Date of measurement entry					10.6.2020
Details					

D) Setting out Pillars - Benchmark.

S.O NO:

2) Clearing and grubbing road land

$$39 \times 15.0 \times 3.50 = 3412.5 \text{ m}^2 \text{ } 2047.5 \text{ m}^2$$

$$= 0.20 \text{ Hec } = 0.34 \text{ Hec}$$

3) Hume Pipe Culvert 600mm dia 2 NO.

(3) Earthwork in encasement

$$2 \times 2 \times 3.90 \times 1.15 \times 1.50 = 26.91 \text{ m}^3$$

$$2 \times 1 \times 5.35 \times 1.13 \times 0.365 = 4.41 \text{ m}^3$$

$$31.52 \text{ m}^3$$

(4) P.C.C/M/S in levelling course.

$$2 \times 2 \times 3.9 \times 1.15 \times 0.15 = 2.69 \text{ m}^3$$

$$2 \times 1 \times 5.31 \times 1.13 \times 0.25 = 3.00 \text{ m}^3$$

$$5.69 \text{ m}^3$$

Continuation

Earthwork			Calculation		Volume
S.N.	Chain	Area m ²	Mean Area	Dist. m	
1	0	0.89	-	-	-
2	50	1.99	1.440	50	71.975
3	100	0.70	1.347	50	67.350
4	150	0.37	0.538	50	26.900
5	200	1.65	1.013	50	50.650
6	250	2.28	1.966	50	98.275
7	300	0.83	1.551	50	77.550
8	350	2.28	1.553	50	77.625
9	400	1.03	1.656	50	82.800
10	450	2.76	1.895	50	94.725
11	500	3.79	3.226	50	163.775
12	550	1.56	2.676	50	133.800
13	580	1.16	1.357	30	40.695
Continuation					
Total					986.120 m ³
Allowed 60% =					591.67 m ³

Abstract of cost	
(1) Selling out pillar	
5.0 No vide P-1 glen no - 1	
Rs 2594.48/each	Rs 12,972.00
(2) clearing and grubbing road	
0.20 Hec vide P-1 glen no - 2	
Rs 49739.47/Hec	Rs 10,097.00
(3) construction of embankment	
(i) Lead 1000 m	
118.33 m ³ vide P-3 glen no - 8	
Rs 187.51/m ³	Rs 22,188.00
(ii) Lead 100 m	
473.34 m ³ vide P-3 glen no - 8	
Rs 142.67/m ³	Rs 67,531.00
Rs. 1,12,788.00	

Scanned with CamScanner

15.0m wide P-2 Glue no 6	
CB 1298.74/m	R 19,481.00
(9) painting	
24.96m ² wide P-2 Glue 7	
CB 12.48/m ²	R 312.00
	2154865 = R 21,44,865.00
Less 10% below	2154892 R 2,44,870.00
	R 19,30,378.00
	1939378 =
	10.6.2020
	JE.
CB	
330	
11/6/20	

Scanned with CamScanner

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	Material statement				
(1) 53mm J- 473.85m ³	①	53mm to 26.5mm			
		199.02m ³	CB	467.20/m ³	
	(II)	26.5mm to 4.75mm			
85293		255.88m ³	CB	509.67/m ³	
68225	(III)	2.36mm below 7.5mm			
85293		113.72m ³	CB	162.30/m ³	
(2) P.C.M.S	①	Cement	1.565 MT	CB 6063.10/MT	
569m ³	(II)	40mm Stone	2.73m ³	CB 449.67/m ³	
	(III)	20mm Stone	1.37m ³	CB 561.89/m ³	
684	(IV)	10mm	0.46m ³	CB 626.62/m ³	
(V) Sand		4.56	2.73m ³	CB 162.30/m ³	
2052					
(3) P.C.M.S	①	Cement	10.01 MT	CB 6063.10/MT	
30.33m ³	(2)	Sand	13.65m ³	CB 162.30/m ³	
10242	(3)	40mm Stone	10.92m ³	CB 449.67/m ³	
	(4)	20mm Stone	10.92m ³	CB 561.89/m ³	
40952	(5)	10mm Stone	5.46m ³	CB 626.62/m ³	
91201			27.3		
82772			10.6202		
+ 10559			10.6202		
5103352			10.6202		
82980			10.6202		
13041			10.6202		
1846			10.6202		
123			10.6202		
77			10.6202		
29			10.6202		
44			10.6202		
222			10.6202		
491			10.6202		
614			10.6202		
342			10.6202		
8277			10.6202		
344042			10.6202		
20562			10.6202		
364602			10.6202		

Continuation

Sch. XLV-Form No. 134

6

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
SD@8%			15	5150	=
IT@1%			19	3942	=
L.lev@1%			19	3942	=
Royalty			10	3231	= w
S. Fee@10%			36	460	= w
SYST@1%			19	3942	=
CUST@1%			19	3942	=
Total Deduction ₹			37	2517	=
By e-payment ₹			156	6861	= w
Bill value ₹			193	9378	= w
Passed for ₹			193	9378	=

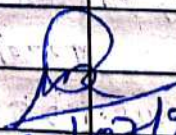
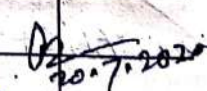
(Nineteen lakh thirty thousand three hundred seventy eight) only.

Executive Engineer
Rural Works Department
Works Division Phulparas

13/06/2020

13/06/2020

Continuation

Sch. XLV-Form No. 134					
Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2nd on A/c bill					
M/W - Construction of road and CD work from Panta Pruthmik Vidyalyaya to Kothale under MMGSY (Gen)					
M/Agency - Dharmendra Kumar Yadav.					
Agreement no - 57SBD/2019-20.					
Date of agreement - 20-3-2020.					
Date of work order - 20-3-2020.					
Date of measurement entry - 20-7-2020.					
Details:					
(1) WBM Gr-3.					
$10 \times 15.0 \times 3.75 \times 0.075 = 42.19 \text{ m}^3$					
$10 \times 15.0 \times 3.75 \times 0.075 = 42.19 \text{ m}^3$					
$10 \times 15.0 \times 3.75 \times 0.075 = 42.19 \text{ m}^3$					
$9 \times 15.0 \times 3.75 \times 0.075 = 37.97 \text{ m}^3$					
<u>164.54 m³</u>					
(2) Providing and fixing Gsof					
MMGSY Project - 2.0 No.					
(3) Supplying and placing					
MP 300mm dia Hume Pipe					
$2 \times 3 \times 2.5 = 15.0 \text{ m}$					
 20/07/20 AE  20.7.2020 SE					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Abstract of cost.					
① Setting out pillars					
5.0 NO wide P. 3 plan no. 1					
CB 2594.48/each B 12,972=00					
② Clearing and grubbing road bed					
0.20 Hec wide P. 3 plan no. 2 9948?					
CB 49739.40/Hec B 10,097=00					
③ Construction of embankment					
① Load 1000 m					
118.33 m ² wide P. 3 plan no. 3					
CB 187.51/m ³ B 22,188=00					
(ii) Load 100 m					
473.34 m ³ wide P. 3 plan no. 3					
CB 142.67/m ³ B 67,531=00					
④ GSB 400 mm in BT Portion					
473.85 m ³ wide P. 4 plan no. 4					
CB 3668.15/m ³ B 1738,153=00					
⑤ WBM 400 mm in BT Portion					
164.54 m ² wide P. 3 plan no. 1					
CB 4546.88/m ² B 7,48,144=00					
⑥ Providing and fixing logs of					
MM 450 project					
2.0 NO wide P. 7 plan no. 2					
CB 10430.89/each B 20,862=00					
⑦ Supplying and placing					
NP 2 200 mm wide P. 3 plan no. 3					
15.0 m wide P. 7 plan no. 3					
CB 631.61/m B 9,474=00					

Continuation

B 26,29,421=00

2629272=

Continuation

[illegible]

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Abstract of Cost</u>					
1. Setting out Pillars.					
50 x 50 wide P-8 pillars - 1					
CR 2504.48/each R 12,972=00					
(2) Clearing and grubbing					
0.20 Hec wide P-8 pillars no-2					
CR 49739.47/Hec R 9948=00					
(3) Construction of embankment					
① Lead 1000 m					
118.33 m ³ wide P-8 pillars 3					
CR 187.51/m ³ R 22,188=00					
(ii) Lead 100 m					
473.34 m ³ wide P-8 pillars 3					
CR 142.67/m ³ R 67,531=00					
(4) GSB 1st					
474.50 m ³ wide P-12 pillars 5					
CR 3668.15/m ³ R 17,40,537=00					
(5) WBM Gr-3					
164.76 m ³ wide P-12 pillars 4					
CR 4546.88/m ³ R 7,49,144=00					
(6) Primer coat					
2196.75 m ² wide P-11 pillars 1					
CR 52.16/m ² R 1,14,582=00					
(7) Tack coat					
2196.75 m ² wide P-11 pillars 2					
CR 17.47/m ² R 38,377=00					
(8) Mix seal surfacing					
2196.75 m ² wide P-11 pillars 3					
CR 253.67/m ² R 5,57,425=00					
Continuation					
R 33,12,704=00					
3312529=00					

33,12,704=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(9) Supplying and fixing Logo of mmgsy project					
2.0m x 0.8m p-8 glns - 6					
CR 10430.89/each					Rs 20,862=00
(10) Supplying and placing M2 300mm dia Hume pipe					
15.0m dia p-8 glns - 7					
CR 631.61/m					Rs 9,474=00
(11) Earthwork excavation					
31.32m ² dia p-9 glns - 8					
CR 261.90/m ²					Rs 8,203=00
(12) P.C.C. m/s in level					
5.69m ² dia p-8 glns - 9					
CR 6837.39/m ²					Rs 38,905=00
(13) P.C.C. m/s in SubStr					
30.33m ² dia p-8 glns - 10					
CR 7814.80/m ²					Rs 2,37,023=00
(14) Hume pipe 600mm dia					
15.0m dia p-8 glns - 11					
CR 1298.74/m					Rs 19,481=00
(15) Painting					
24.96m ² dia p-9 glns - 12					
CR 108.98/m ²					Rs 2,720=00
					Rs 36,49,372=00
					36,11,197
less 10% below					Rs 3,64,937=00
					32,46,260
					Rs 32,84,435=00
					32,28,427
Painting by hand.					Rs 26,42,044=00
Limited to 225941=00 (due to unavailability of fund)					Rs 6,42,391=00
					5,42,233=00
					Rs 3,9,202=00
					30

03.09.2020 Continuation

A.E.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Material Statement for the bed</u>					
(1) Prime coat - emulsion SS-1					
2196.75 m ² -				1867.24 Kg	
				CB 47222.79/Tone.	
(2) Tack coat - emulsion RS					
2196.75 m ² -				604.11 Kg	
				CB 45044.99/Tone	
(3) MIX Seal @ Antimum S-90					
2196.75 m ² -				4138.83 Kg	
				CB 40609.08/MT	
				(2) chips 59.3 m ³	
				@ 479.28/m ³	
<u>Total</u>					
03.09.2020					
A.B. CLP					
S.S.V					
01/9/20					

3rd Enak Memo of Payment	
SD@8%	18075.00
IT@1%	2259.00
Gless@1%	2259.00
Royalty	8897.00
S.fee	3733.00
CGST@11%	2259.00
SGST@11%	2259.00
<u>Total Deduction</u>	<u>39741.00</u>
<u>epayment</u>	<u>186200.00</u>
<u>Total Bill/value</u>	<u>225941.00</u>
Passed for ₹225941.00 (Rupees Two Lakh Twenty Five Thousand Nine Hundred Forty One) only/ —	

Continuation
Executive Engineer
Rural Works Department
Works Division Phulparas

Be 04/09/2020

Works Division
Pre
04/09/2020

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	Lth on A/c full				
M/W - Construction of road and C.D. work from Patoda Pathmita Vidyalyaya to Narfoka under Mungli G. C.					
M/Agency - Dharmendra Kumar Yadav					
Agreement no - S7 SPB/1.2019-20.					
Date of Agreement - 20-3-2020					
Date of Work order - 20-3-2020					
Actual Date of Completion - 3-9-2020					
Date of ending - 5-9-2020					
Remarks					
(1) Construction of Subgrade					

Cross Section shown					
	AV	AV			54.48 m ³
	$2 \times 4 \times 15.0 \times 1.65 \times 0.275 =$				198.00 m ³
	$2 \times 1 \times 8.0 \times 1.65 \times 0.275 =$				7.26 m ³
	$2 \times 35 \times 15.0 \times 1.65 \times 0.275 =$				476.44 m ³
					538.15 m ³
					Limit 534.33 m ³
(2) Km. Post					
					2.0 No.
(3) 200 m Post					
					2.0 No.
(4) Traffic Sign					
(i) Triangular					
					6.0 No.
(ii) Rectangular					
					2.0 No.
(5) Road marking in BT Port					
	$2 \times 4 \times 15.0 \times 0.1 =$				12.00 m ²
	$2 \times 1 \times 8.0 \times 0.1 =$				1.60 m ²
	$2 \times 35 \times 15.0 \times 0.1 =$				105.00 m ²
					118.60 m ²
					Continuation
					Limit - 116.00 m ²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(6) Logo of MM 434 project					3.0 NO.
					12.5.9.2010 JE
Earthwork Calculation for graph					
S.N.	Ch m	Full Area m ²	Mean m	Dist m	Volume m ³
1	0	2.73	-	-	-
2	50	3.84	3.310	50	165.500
3	100	2.40	3.145	50	157.250
4	150	1.99	2.195	50	109.750
5	200	3.5	2.780	50	139.00
6	250	4.37	3.97	50	198.50
7	300	2.67	3.510	50	176.00
8	350	4.53	2.595	50	179.25
9	400	3.25	3.885	50	194.25
10	450	5.04	4.145	50	207.25
11	500	6.46	5.60	50	280.00
12	550	3.68	4.72	50	246.00
13	580	3.24	3.46	50	103.800
Total Earthwork Qty with emb = 2157.05 m ³					
Deduction					
Subgrade - 538.15 m ³ P-16 glem no-1					
G.S.B 98% - 480.33 m ³ P-12 glem 5					
W.P.M 91.3 166.78 m ³ P-12 glem 4					
1185.26 m ³					
Net E/W - 2157.05 - 1185.26					
= 971.79 m ³					
Ch Construction embankment					
(1) lead 1000 m 20% of 971.79 m ³					
= 194.36 m ³					

Continuation

-1,70,280=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4) Const. of Subgrad and carth shoulder					
534.33 m ² val P-16 flur 7					
CB 189.39/m ²					B 1,01,197=00
(5) GSB 9m ²					
474.50 m ² val P-13 flur 4					
CB 3668.18/m ²					B 17,40,537=00
(6) WBM 9m ²					
164.76 m ² val P-13 flur 5					
CB 1546.88/m ²					B 2,49,144=00
(7) Prime coat with SS-1					
2196.75 m ² val P-13 flur 6					
CB 52.16/m ²					B 1,14,582=00
(8) Tack coat with RB1					
2196.75 m ² val P-13 flur 7					
CB 17.47/m ²					B 38,377=00
(9) Mix Seal					
2196.75 m ² val P-13 flur 8					
CB 253.67/m ²					B 5,57,250=00
(10) Supply and placing					
MP 300 mm dia. Hume pipe					
15.0 m val P-14 flur 10					
CB 631.61/m					B 9,474=00
(11) KM Post					
2.0 No val P-16 flur 10					
CB 2864.82/cach					B 5,730=00
(12) 200 m Post					
2.0 No val P-16 flur 10					
CB 714.89/cach					B 1,430=00

Continuation B 34,82,60=00

Rs 34,87,60/-00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(13) Traffic sign					
(1) Triangular					
6-0 No side p-16 mm	4				
CB 4174.71/each					Rs 25,048=00
(11) Rectangular					
2-0 No side p-16 mm	9				
CB 5523.85/each					Rs 11,048=00
(14) Road Marking					
116.00 m ² side p-16 mm	5				
CB 850.93/m ²					Rs 98,708=00
(15) Providing and fixing					
mm 9.5 Logo boards	28				

3.0 x 10 side p-12 mm	no-6				
2-0 x 10 side p-14 mm	9				
5.0 x 10					
CB 10430.89/each					Rs 52,154=00
(16) Earth work in excavation					
31.32 m ³ side p-14 mm	11				
CB 261.90/m ³					Rs 8,203=00
(17) P.C.C. Mes & levelling					
5-69 m ³ side p-14 mm	12				
CB 6837.39/m ³					Rs 38,905=00
(18) P.C.C. M 20 in Substruck					
30.33 m ³ side p-14 mm	13				
CB 7814.80/m ³					Rs 2,37,023=00
(19) Hume Pipe 600 mm dia					
150 m side p-14 mm	14				
CB 1298.74/m					Rs 19,481=00
Continuation					
Rs 39,78,171=00					

Continuation