

श्रीवै मर-3054-श्रीजननाई परचीवी वी कुमी ईम

Schedule XLV Form No. 134.

(Assessment No. 52 M&D/2020-21)

DIVISION

Executive Engin
M&D Works Division
Bejarat

SUB-DIVISION

Measurement Book

Madan Kumar Singh.

(337)

MB.
2472

प्रमाणित किया जाता है कि इस मशीन
में कुल 100 (एक सौ) घण्टे मशीन
द्वारा कीकित है/इसे श्री सुधीर कुमार
एलएमक कार्पोरेशन, ग्रामीण, राज्य विभाग
कार्य प्रमण्डल परसूनी के नाम से
निर्गत किया जाता है

Executive Engineer
RWD Works Division
04/10/2020

Sch. XLV-Form No. 134

DIVISION

SUB-DIVISION

MEASUREMENT BOOK

No.

3371

Name of Officer _____

Date of first entry _____

Date of last entry _____

1.

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 final Bill				
Name of work:- parsoni To Kuzmi Tola					
Agency:- Madan Kumar Singh					
Package No:-					
Agreement No:- 52 MB/ 2021					
Date of start:- 18.05.2020					
Date of completion:- 17.02.2021					

Record Measurement: - 01.12.20

Date of Measurement: - 01.12.20

(1) Clearing and Grubbing

Road land as per specification
and direction of E/I.

$$2 \times 1015 \text{ m} \times 1.0 = 2030 \text{ m}^2$$

$$= 0.20 \text{ Hect.}$$

(2/3) Construction of granular sub-base
by providing well graded materials.

do - - - do - - - E/I.

$$12 \times 4.0 \times 1.50 \times 0.175 = 12.6 \text{ m}^3$$

$$9.8 \times 3.5 \times 1.4 \times 0.175 = 7.7 \text{ m}^3$$

$$= 20.31 \text{ m}^3$$

 Slu
 01/12/20
 I.E

Continuation

 Skema
 01/12/20
 AL

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Record Measurement	1	05.12	20		
Date of Measurement	2	05.12	20		
① WBM Gr-02					
Providing, laying, spreading and compacting stone aggregates of specific water bound Macadam as per specification.					
16x	4.05x1.95x0.075	529.48m ³			
11x	2.51x1.75x0.075	523.62m ³			
		213.1m ³			
		Limit	212.09m ³		
Skeema 05/12/20 J.E		Shiv 05/12/20 J.E			

Record Measurement	1	09.12	20		
Date of Measurement	2	09.12	20		
WBM Gr-03					
Providing and laying spreading and compacting stone aggregates of specification. do - do -					
E/I.					
37x	3.5x1.52x0.075	214.76m ³			
10x	2.50x1.75x0.075	3.28m ³			
7x	2.0x1.0x0.075	21.05m ³			
9x	4.0x1.52x0.075	24.10m ³			
		23.11m ³			
		Limit	20.76m ³		
Skeema 09/12/20		Shiv 09/12/20 J.E			

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Record Measurement	1	21.01	2021		
Date of Measurement		21.01	2021		

(1/6) Providing and applying primer -					
coat with bitumen emulsion (SS-1).					
47 x	2.85	1.75	234.41	m ²	
19 x	2.32	1.25	55.1	m ²	
			289.51	m ²	
			Limit 2	276.80	m ²

(2/7) Providing and applying tack					
- coat with bitumen emulsion					
using 0.25 to 0.30 kg per sqm.					
as per specification and					
direction of B.I.					

47 x	2.85	1.75	234.41	m ²	
19 x	2.32	1.25	55.1	m ²	
			289.51	m ²	
			Limit 2	276.80	m ²

gn P.C.C Part 1 -					
27m x	2.5	1.0	67.5	m ²	
			344.3	m ²	

(3/8) Patch work over WBM using mix					
Seal - surface with waste plastic.					

47 x	2.85	1.75	234.41	m ²	
19 x	2.32	1.25	55.1	m ²	
			289.51	m ²	
			Limit 2	276.80	m ²
gn P.C.C Part 2 -					
27m x	2.5	1.0	67.5	m ²	
			344.3	m ²	

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4/9) Providing and applying tack-coat with bitumen emulsion (RS-1) as per technical and specifications.					
(5/10) Semi-Dense Bituminous concrete providing and laying semi-dense bituminous concrete with 100-120 TPA batch type as per specification and direction of E.I.					
(6/12) (i) Km stone.					
(7/13) (ii) 200mm stone.					
(8/15) Providing and fixing of retro-reflectorised cautionary.					
(9/16) 600mm circular.					
(10/17) 600mm x 450mm rectangular.					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
11/18 Boundary Pillars / Guard post.					
	1x	36 =	36 Nos.		
12/21 Road Marking with hot applied thermoplastic compound as per specification and direction of E/I.					
	2x	1015m x 0.10			203.0m ²
13/22 providing and fixing 'Logo' of typical MRCG Informatory Board.					
	1x	22.0 Nos.			
14/2 Construction of sub-grade and earthen shoulder with approved materials as per drawing and specification of E/I.					
L.H.S side :-					
	10x	30m x 0.70 x 0.30			63m ³
	10x	30m x 0.70 x 0.30			63m ³
	10x	30m x 0.70 x 0.30			63m ³
	3x	30m x 0.70 x 0.30			18.9m ³
	1x	25m x 0.70 x 0.30			5.25m ³
					= 213.15m ³
R.H.S side :-					
	10x	30m x 0.70 x 0.30			63m ³
	10x	30m x 0.70 x 0.30			63m ³
	10x	30m x 0.70 x 0.30			63m ³
	3x	30m x 0.70 x 0.30			18.9m ³
	1x	25m x 0.70 x 0.30			5.25m ³
					= 213.15m ³
L.H.S side + R.H.S					213.15 + 213.15m ³
					= 426.30m ³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
(15/23) Brick masonry in cement mortar (113) in parapet.				
		$2 \times 6.0 \times 0.40 \times 0.60$		$= 2.88 \text{ m}^3$
as for same 8 Nos culvert.				
		$8 \times 2.88 \text{ m}^3$		$= 23.04 \text{ m}^3$
(16/24) plastering with cement mortar (114) on brick work in sub-structure.				
Side face:-				
		$4.0 \times 6.0 \times 0.60$		$= 14.40 \text{ m}^2$
Top:-				
		$2.0 \times 6.0 \times 0.40$		$= 4.8 \text{ m}^2$
Front face:-				
		$4.0 \times 0.40 \times 0.60$		$= 0.96 \text{ m}^2$

$$= 20.160 \text{ m}^2$$

as per same 8 Nos culvert.

$$20.160 \text{ m}^2 \times 8 = 161.28 \text{ m}^2$$

(17/25) painting two coats including primer coat.

Side face:-

$$4.0 \times 4.0 \times 0.60 = 9.60 \text{ m}^2$$

$$\text{Top:- } 2.0 \times 4.0 \times 0.60 = 4.80 \text{ m}^2$$

Front face:-

$$4.0 \times 0.40 \times 0.60 = 0.96 \text{ m}^2$$

$$= 58.560 \text{ m}^2$$

(18/26) Planting of trees by the Road side.

1 x 3 1/2 3 1/4 1/4

5x 1/2 1/2 1/2 1/2 1/2

21/01/21
J.E

Continuation

Sch. XLV-Form No. 134

Sch. XLV-Form NO. 15				Contents of area
Particulars	Details of actual measurement			
	No.	L.	B.	D.
Abstract of cost				
Name of work 1 - parsoni To Kurmi Tola				
package No 1 - MR-N/2018-2020 Bel sand				
107 under-3054 M/R Scheme				
Agency 1 - Madan Kumar Singh				
Agreement No 2 - 52MBD/2020-2021				
Estimated cost 1 -				
Date of start 2 - 18.05.2020				
Date of completion 2 - 17.02.2021				
Date of Entry 2 - 21.01.2021				

Continuation

DATE	DESCRIPTION	AMOUNT	BALANCE
1/1/78	OPENING BALANCE		100.00
1/15/78	PAYROLL	50.00	150.00
1/30/78	RENT	25.00	125.00
2/15/78	SALES	75.00	200.00
2/28/78	UTILITIES	10.00	190.00
3/15/78	PAYROLL	50.00	240.00
3/31/78	CLOSING BALANCE		240.00

(9) Construction of a new road

[illegible]

2000-2001

10.44.45.48.50.52.54.56.58.60.62.64.66.68.70.72.74.76.78.80.82.84.86.88.90.92.94.96.98.100.102.104.106.108.110.112.114.116.118.120.122.124.126.128.130.132.134.136.138.140.142.144.146.148.150.152.154.156.158.160.162.164.166.168.170.172.174.176.178.180.182.184.186.188.190.192.194.196.198.200.202.204.206.208.210.212.214.216.218.220.222.224.226.228.230.232.234.236.238.240.242.244.246.248.250.252.254.256.258.260.262.264.266.268.270.272.274.276.278.280.282.284.286.288.290.292.294.296.298.300.302.304.306.308.310.312.314.316.318.320.322.324.326.328.330.332.334.336.338.340.342.344.346.348.350.352.354.356.358.360.362.364.366.368.370.372.374.376.378.380.382.384.386.388.390.392.394.396.398.400.402.404.406.408.410.412.414.416.418.420.422.424.426.428.430.432.434.436.438.440.442.444.446.448.450.452.454.456.458.460.462.464.466.468.470.472.474.476.478.480.482.484.486.488.490.492.494.496.498.500.502.504.506.508.510.512.514.516.518.520.522.524.526.528.530.532.534.536.538.540.542.544.546.548.550.552.554.556.558.560.562.564.566.568.570.572.574.576.578.580.582.584.586.588.590.592.594.596.598.600.602.604.606.608.610.612.614.616.618.620.622.624.626.628.630.632.634.636.638.640.642.644.646.648.650.652.654.656.658.660.662.664.666.668.670.672.674.676.678.680.682.684.686.688.690.692.694.696.698.700.702.704.706.708.710.712.714.716.718.720.722.724.726.728.730.732.734.736.738.740.742.744.746.748.750.752.754.756.758.760.762.764.766.768.770.772.774.776.778.780.782.784.786.788.790.792.794.796.798.800.802.804.806.808.810.812.814.816.818.820.822.824.826.828.830.832.834.836.838.840.842.844.846.848.850.852.854.856.858.860.862.864.866.868.870.872.874.876.878.880.882.884.886.888.890.892.894.896.898.900.902.904.906.908.910.912.914.916.918.920.922.924.926.928.930.932.934.936.938.940.942.944.946.948.950.952.954.956.958.960.962.964.966.968.970.972.974.976.978.980.982.984.986.988.990.992.994.996.998.1000.1002.1004.1006.1008.1010.1012.1014.1016.1018.1020.1022.1024.1026.1028.1030.1032.1034.1036.1038.1040.1042.1044.1046.1048.1050.1052.1054.1056.1058.1060.1062.1064.1066.1068.1070.1072.1074.1076.1078.1080.1082.1084.1086.1088.1090.1092.1094.1096.1098.1100.1102.1104.1106.1108.1110.1112.1114.1116.1118.1120.1122.1124.1126.1128.1130.1132.1134.1136.1138.1140.1142.1144.1146.1148.1150.1152.1154.1156.1158.1160.1162.1164.1166.1168.1170.1172.1174.1176.1178.1180.1182.1184.1186.1188.1190.1192.1194.1196.1198.1200.1202.1204.1206.1208.1210.1212.1214.1216.1218.1220.1222.1224.1226.1228.1230.1232.1234.1236.1238.1240.1242.1244.1246.1248.1250.1252.1254.1256.1258.1260.1262.1264.1266.1268.1270.1272.1274.1276.1278.1280.1282.1284.1286.1288.1290.1292.1294.1296.1298.1300.1302.1304.1306.1308.1310.1312.1314.1316.1318.1320.1322.1324.1326.1328.1330.1332.1334.1336.1338.1340.1342.1344.1346.1348.1350.1352.1354.1356.1358.1360.1362.1364.1366.1368.1370.1372.1374.1376.1378.1380.1382.1384.1386.1388.1390.1392.1394.1396.1398.1400.1402.1404.1406.1408.1410.1412.1414.1416.1418.1420.1422.1424.1426.1428.1430.1432.1434.1436.1438.1440.1442.1444.1446.1448.1450.1452.1454.1456.1458.1460.1462.1464.1466.1468.1470.1472.1474.1476.1478.1480.1482.1484.1486.1488.1490.1492.1494.1496.1498.1500.1502.1504.1506.1508.1510.1512.1514.1516.1518.1520.1522.1524.1526.1528.1530.1532.1534.1536.1538.1540.1542.1544.1546.1548.1550.1552.1554.1556.1558.1560.1562.1564.1566.1568.1570.1572.1574.1576.1578.1580.1582.1584.1586.1588.1590.1592.1594.1596.1598.1600.1602.1604.1606.1608.1610.1612.1614.1616.1618.1620.1622.1624.1626.1628.1630.1632.1634.1636.1638.1640.1642.1644.1646.1648.1650.1652.1654.1656.1658.1660.1662.1664.1666.1668.1670.1672.1674.1676.1678.1680.1682.1684.1686.1688.1690.1692.1694.1696.1698.1700.1702.1704.1706.1708.1710.1712.1714.1716.1718.1720.1722.1724.1726.1728.1730.1732.1734.1736.1738.1740.1742.1744.1746.1748.1750.1752.1754.1756.1758.1760.1762.1764.1766.1768.1770.1772.1774.1776.1778.1780.1782.1784.1786.1788.1790.1792.1794.1796.1798.1800.1802.1804.1806.1808.1810.1812.1814.1816.1818.1820.1822.1824.1826.1828.1830.1832.1834.1836.1838.1840.1842.1844.1846.1848.1850.1852.1854.1856.1858.1860.1862.1864.1866.1868.1870.1872.1874.1876.1878.1880.18

1940-1941 (1941) 13. 26. 1941

@ 2022 931417

2, 405520

(4) WBM for II

Prüfungstermin: 10.04.2023

1888-1889

Q14. wide THREN - (2)

14.000 14.12 12.000

Q3729-14-3

P. 452-470

5) WBI-68-III 2-

oxidizing with w-BMBr-III

perils

Qty. vide TM BP No- 02

item Ho - (65) 20.76 m³

@3458. oil 1/2

2,71,788 200

⑥ providing and applying ~~face~~

coat

Q4. vide TMB P. No—(03)

iterable - (66) 276.80002

② 41.35 m^2

~~R, 1144520.~~

⑦ providing and applying tack-coat.

Cl + y. vide TM BPH. — (63)

item no - (07) 344.3m²

② 14.02 m^2

9, 482720

$C = 0.2, 59, 264 \rightarrow 0$

Continuation

Sch. XLV-Form No. 134 B.P 2,53,264200

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑧ Patch work over u BM using mix seal surfacing with waste plastic compound.					
Qty. vide TMBP No- (03)					
item No- (08) 344.3 m ²					
@ 204.24/m ²					R, 70 319200
⑨ providing and applying tack coat					
Qty. vide TMBP No- (04)					
item No- (09) 3806.25 m ²					44 761200
@ 11.76/m ²					R, 44 761200
⑩ semi-Dense bituminous concrete.					
Qty. vide TMBP No- (04)					
item No- (10) 95.16 m ³					
@ 10215.97/m ³					R, 9,72,532200
⑪ Kms stone					
Qty. vide TMBP No- (04)					
item No- (12) (i) 20 Nos					
@ 2434.45/each					R, 48 68200
⑫ 200mm stone					
Qty. vide TMBP No- (04)					
item No- (13) (i) 40 Nos					
@ 654.37/each					R, 257200
Total					13,54 261200

Gr. 13,54,261200

Continuation

Sch. XLV-Form No. 134 B.P. 13,54,261-200

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(13) Retro-reflectORIZED Traffic					
Qty. vide TMBP No. - (64)					
item No. - (15) 4.0 Nos					
@ 3729.84/each				R, 14	899200
(14) 600mm circular					
Qty. vide TMBP No. - (64)					
item No. - (16) 2.0 Nos					
@ 3824.19/each				P, 7	764820
(15) 600mm x 950mm rectangular					
Qty. vide TMBP No. - (64)					
item No. - (17) 2.0 Nos					
@ 3635.07/each				P, 7	733020

Boundary Pillar / Guard Post					
Qty. vide TMBP No. - (65)					
item No. - (18) 56.0 Nos					
@ 515.71/each				R, 4	9508200
(17) Road marking with hot applied thermoplastic Compound					
Qty. vide TMBP No. - (65)					
item No. - (21) 203 m ²					
@ 735.40/m ²				R, 1	99,286200
(18) Providing and fixing large informative Sign Board					
Qty. vide TMBP No. - (65)					
item No. - (22) 2.0 Nos					
@ 9478.01/each				R, 18	956200
				C, 0	1604,948200

Continuation

18) planting of trees by the Road side.
 Qty. vide TMBP No. - 66
 item No. - 20 31 Nos
 @ 800.30 each - 11 P, 24803200

Sch. XLV-Form No. 134 B.P. 16, 01, 94820.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
19) Brick masonry work incement					
mortar (1:3) in parapet					
Qty. vide TMBP No. - 66					
item No. - 23 23.04 m					
@ 5266.93/m ³					P, 21,350200
20) plastering with cement mortar					
(1:4) on brick work					
Qty. vide TMBP No. - 66					
item No. - 24 161.28 m ²					
@ 193.07/m ²					P, 31,138200
21) painting two coats including					
primer coat after filling					
Joint					

Qty. vide TMBP No. - 66					
item No. - 25 468.48 m ²					
@ 95.63/m ²					P, 44800200
Total					17,61,273200
Total					17,99,236200
Less for 2.11% below (C)					37963200
					38,487200
Total					17,61,273200
					17,85,558200
Labour cost 1%					(+) 17,61,273200
					17,85,558200
					RS = 17,78,885200
					RS = 18,03,419200
Add 12% GST					(+) 2,134,66200
					(+) 2,16,410200
					RS = 19,92,351200
					RS = 20,19,829200

Shiv
 21/01/21
 S.E.

S.A.O.
 C.L.P.
 4/3/21
 Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Material Statement</u>					
① Earth:-	426	30m ³	@ 23.78m ³	R	10137=0
② S.M 26.5mm to 9.5mm		5mm	5.331		
6.846m ³	@ 550	183m ³		R	3771=0
S.M 9.5mm to 2.36mm					
4.89m ³	@ 411	33m ³		R	20112=0
Local Sand:-					
7.824m ³	@ 116.85m ³			R	9142=0
③ S.M 6.2mm to 4.75mm		Gr-11			
19.669m ³	@ 427.69/m ³			R	62742=0
Moodam/Gravel:-					
3.546m ³	@ 345.52m ³			R	12252=0
④ Stone M4 to 1.53mm to 22.9mm		Gr-11			
25.188m ³	@ 458.22/m ³			R	115422=0
Stone 8.8mm to 4.75mm					
4.982m ³	@ 345.52m ³			R	1721=0
⑤ Emulsion SS ₁	-	0.233MT			
⑥ Emulsion RS ₁	-	0.923MT			
⑦ Bitumen 890	-	9.692MT			
Stone chips 9.5mm to 4.75mm					
65.254m ³	@ 528.94m ³			R	345152=0
Stone chips 7.75mm below					
46.937m ³	@ 200.45m ³			R	9409200
⑧ Filler:-	2.289m ³	@ 3555.38m ³		R	813820
⑨ West Plastic	-	0.052MT			
Stone aggregate 13.2mm to 0.09mm					
9.296m ³	@ 470m ³			R	4369200
Total Rs =					94,026200
<u>Skumar</u> 21/01/21 AT <u>Shiv</u> 21/01/21 J.B					

Continuation