

MPMSY NEW SC

MP.B.NO-3464

Schedule XLY-Form No. 134

उत्कृष्टित मध्य विद्यालय दरवा उर्दू से सुनील निधारी केदार तक १२१।
प्रकारनाभा सी०

सुवेकः भी विरेन्द्र कुमार सिंह

DIVISION

भी विमोक्ष और ५२५६ (सहा आभो)

SUB-DIVISION

सुआपुर

MEASUREMENT BOOK

MP.B.NO-3464

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 measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
N/W - Isapur prakhad me UKRmit					
Madhya Vidhalea Dawa Order					
Se sunil Tiwari ke khar Tak.					
Length:-	0.800 km				
Agency:-	Sri Birendra Kumar Singh				
Agreement No. -	116/SB/D/2020-21				
Date of start:-	07.04.2021				
Date of Completion -	06.01.2022				
Date of entry -	14.12.2021				
Work done					
1) setting out of benchmark					
	Btg				0.800 Km
2) Setting of Reference pillar					
	Btg				0.800 Km
3) Clearing and grading Road					
	Land	- - - ft			
	2x4x4x25.00	x	2.00		1600.00 sqm
	2x4x4x25.00	x	2.00		1600.00 "
					3200.00 "
				Say -	0.32 Hec
4) Excavation of existing Road					
	- - -	- ft			
	2x4x4x25.00	x	0.525	x	0.100 - 42.00 cu
	2x4x4x25.00	x	0.375	x	0.100 - 30.00 "
					72.00 cu

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(5) Cont. of Granular Sub-base					
by pit well graded Material - II					
Profile Correction:-					
1x 1.50x 0.90x 0.075					0.101 cum
1x 1.70x 0.60x 0.150					0.153 "
3x 1.30x 0.80x 0.100					0.312 "
3x 1.90x 1.00x 0.125					0.712 "
1x 0.90x 0.60x 0.150					0.081 "
3x 1.50x 0.90x 0.100					0.405 "
1x 2.10x 1.70x 0.150					0.356 "
5x 1.20x 0.75x 0.150					0.675 "
					2.775
				Sum	2.80 cum
2x 4x 4x 25.00x 0.525x 0.100					42.00 cum
2x 4x 4x 25.00x 0.375x 0.100					30.00 "
4x 4x 25.00x 4.050x 0.100					162.00 "
Add for curve					
Change 120m					
1x 25.00x $\left(\frac{4.05+4.60}{2} - 4.05\right) \times 0.200$					1.38 cum
1x 25.00x $\left(\frac{4.60+4.05}{2} - 4.05\right) \times 0.200$					0.69 cum
1x 25.00x $\left(\frac{4.60+4.05}{2} - 4.05\right) \times 0.200$					0.69 cum
Add for pcc portion					
1x 15.00x $\left(\frac{4.40+3.75}{2} - 3.75\right) \times 0.100$					0.49 "
1x 10.00x $\left(\frac{3.75+5.90}{2} - 3.75\right) \times 0.100$					1.08 "
1x 10.00x $\left(\frac{5.90+3.75}{2} - 3.75\right) \times 0.100$					1.08 "
1x 15.00x $\left(\frac{3.75+4.30}{2} - 3.75\right) \times 0.100$					0.41 "
1x 10.00x $\left(\frac{4.30+3.75}{2} - 3.75\right) \times 0.100$					0.28 "
1x 15.00x $\left(\frac{3.75+4.50}{2} - 3.75\right) \times 0.100$					0.56 "

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$1 \times 10.00 \times \left(\frac{4.50 + 3.75}{2} - 3.75 \right) \times 0.10$					-0.38 cu
$1 \times 25.00 \times \left(\frac{3.75 + 4.50}{2} - 3.75 \right) \times 0.10$					-0.94 "
					244.78 cu
				Limit	238.76 cu
(6) p/v laying spreading end					
Computing stone spreading - 8/1					
$4 \times 4 \times 25.00 \times 3.75 \times 0.075$					-112.50 cu
$3 \times 4 \times 25.00 \times 3.75 \times 0.075$					-84.38 "
$2 \times 25.00 \times 3.75 \times 0.075$					-14.06 "
$2 \times 25.00 \times 3.50 \times 0.075$					-13.29 "
$1 \times 12.00 \times 3.50 \times 0.075$					-13.37 "
					3.41 cu
Add for curve					
$1 \times 25.00 \times \left(\frac{3.75 + 4.60}{2} - 3.75 \right) \times 0.075$					-0.80 cu
$1 \times 25.00 \times \left(\frac{4.60 + 3.75}{2} - 3.75 \right) \times 0.075$					-0.80 "
$1 \times 15.00 \times \left(\frac{4.40 + 3.75}{2} - 3.75 \right) \times 0.075$					-0.37 "
$1 \times 10.00 \times \left(\frac{3.75 + 4.70}{2} - 3.75 \right) \times 0.075$					-0.81 "
$1 \times 10.00 \times \left(\frac{5.90 + 3.75}{2} - 3.75 \right) \times 0.075$					-0.81 "
$1 \times 15.00 \times \left(\frac{3.75 + 4.30}{2} - 3.75 \right) \times 0.075$					-0.31 "
$1 \times 10.00 \times \left(\frac{4.50 + 3.75}{2} - 3.75 \right) \times 0.075$					-0.21 "
$1 \times 15.00 \times \left(\frac{3.75 + 4.50}{2} - 3.75 \right) \times 0.075$					-0.42 "
$1 \times 10.00 \times \left(\frac{4.50 + 3.75}{2} - 3.75 \right) \times 0.075$					-0.28 "
$1 \times 25.00 \times \left(\frac{3.75 + 4.50}{2} - 3.75 \right) \times 0.075$					-0.70 "
					233.25 cu
				Limit	227.26 cu

Final
14.12.2021
JE

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2nd Record entry					
Date - 03/01/2022					
① Const. of Un-reinforced plain					
Cement Concrete pavement - 11					
4x	25.00	3.75	0.160		60.00 cu
1x	15.00	$\frac{4.30+3.00}{2}$	0.160		8.76 "
1x	15.00	$\frac{3.00+4.70}{2}$	0.160		9.24 "
1x	15.00	$\frac{4.70+3.40}{2}$	0.160		9.72 "
1x	20.00	$\frac{3.40+3.60}{2}$	0.160		11.20 "
1x	25.00	$\frac{3.75}{2}$	0.160		15.00 "
1x	25.00	$\frac{3.75+3.50}{2}$	0.160		14.50 "
1x	25.00	$\frac{3.50+3.10}{2}$	0.160		14.00 "
1x	25.00	$\frac{3.10+2.50}{2}$	0.160		7.20 "
1x	25.00	$\frac{3.10+4.30}{2}$	0.160		8.60 "
1x	25.00	$\frac{4.30+3.75}{2}$	0.160		16.10 "
1x	25.00	$\frac{3.75+4.10}{2}$	0.160		16.50 "
1x	25.00	$\frac{4.10+3.80}{2}$	0.160		16.60 "
1x	10	$\frac{2.80+4.50}{2}$	0.160		6.64 "
1x	25.00	$\frac{3.60+3.75}{2}$	0.160		14.70 "
1x	25.00	$\frac{3.70+3.10}{2}$	0.160		14.00 "
					242.84 cu
				Limit	242.40 cu
② pvc and applying primer coat					
with S-1 - - - 2%					
4x4x	25.00	3.75			150.00 cu

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Add for curve					
Change 100m					
$1 \times 25.00 \times \left(\frac{3.7 + 4.6}{2} - 3.7 \right)$					10.63 sq
$1 \times 25.00 \times \left(\frac{4.6 + 3.7}{2} - 3.7 \right)$					10.63 "
					1521.26 sq
				Limit	1515.10 sq
③ pin and applying Track coat					
with R ₁ - 1					
Same Btj as					
per item ② page - 5					
Btj					1515.10 sq
④ pin laying and rolling of blue					
graded prime surface - 21					
Same Btj as					
per item ② page - 5					
Btj					1515.10 sq
⑤ km stone					
Btj					01 No.
⑥ 200m stone					
Btj					03 No
⑦ Boundary pillar					
Btj					20 No
⑧ 600 mm circular					
Btj					04 No
⑨ 900 mm equilateral triangle					
Btj					02 No

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑩ 600 mm x 400 mm rectangular					
		Qty			0.2 No
⑪ p/v and layer of hot applied thermoplastic compound					
2 x 8 x 4 x 2.50 x 0.10					160.00 gm
⑫ planting of trees by the road sides					
		Qty			40 Nos
⑬ p/v and layer of 2 reinforcement					
Cement concrete pipe section					
1 x 3 x 2.50					7.50 m
⑭ Direction sign board					
		Qty			01 No
⑮ p/v and fixing of typical MMH, interlocking light box					
		Qty			04 Nos
<u>Earthwork By Sheet</u>					
St. No.	Change	Area	Mean Area	Dist.	Volume
			Area	m	
1	0	2.618			
2	50	2.731	2.675	50	133.725
3	100	2.738	2.735	50	136.725
4	150	2.851	2.795	50	139.725
5	200	2.857	2.854	50	142.700
6	250	2.971	2.914	50	145.700

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
7.	300	2.731	2.851	50	142.330
8.	350	2.780	2.756	50	134.775
9.	400	2.851	2.816	50	140.775
10.	450	1.771	2.311	50	115.550
11.	500	1.897	1.874	50	91.700
12.	550	1.777	1.848	50	92.410
13.	600	1.814	1.807	50	90.325
14.	650	1.716	1.765	50	88.230
15.	700	1.732	1.724	50	86.200
16.	750	1.634	1.683	50	84.130
17.	800	1.630	1.642	50	82.100
Total B/W Bdy (wall area)					1850.350 cum
Const of B/W Bdy (-)					238.76
WBM W.R. (-)					227.26
PCC (-)					242.40
Total B/W Bdy -					1141.58 cum
(i) Const. of Embankment - 2/1					
Lead 1000m					
Qty					256.41 cum
(ii) Lead up to 100m					
Qty					470.62 cum
(iii) Const. of subgrade - 2/1					
Qty					414.55 cum
Signed 03/01/2022 J.E					

Continuation

ABSTRACT OF COST

8

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① setting out of Benchmark					
0.800 Km vide MD p-1					
@ Rs 3679 = 13/Km					Rs 2943 = 10
② setting of Reference pillar					
0.800 Km vide MD p-1					
@ Rs 1699 = 74/Km					Rs 1360 = 10
③ clearing and grubbing Road					
Land - - - - - E/					
0.32 Hec vide MD p-1					
@ Rs 51133 = 76/Hec					Rs 16363 = 10
④ Box-Cutting of existing Road					
72.00 cum vide MD p-1					
@ Rs 74 = 14/cum					Rs 5340 = 10
⑤ Const of Embankment - - - - - E/					
Lead up to 100m					
256.41 cum vide MD page 7					
@ Rs 175 = 22/cum					Rs 44928 = 10
⑥ Const. of Embankment - - - - - E/					
Lead up to 100m					
470.62 cum vide MD page 7					
@ Rs 141 = 14/cum					Rs 66423 = 10
⑦ Const of subgrade - - - - - E/					
414.55 cum vide MD page 7					
@ Rs 176 = 86/cum					Rs 73317 = 10
⑧ Const. of GSE by PN well					
graded material - - - - - E/					
238.76 cum vide MD page 3					
@ Rs 3109 = 60/cum					Rs 742448 = 10

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑨ p/v Laying, spreading and compacting stone aggregates — E/					
227.26 cum wide MB p-3					
@ Rs 3780 = 33/cum —					R 859118 = 00
⑩ p/v and applying primer coat with Bitumen emulsion					
1515.0 sqm wide MB p-5					
@ Rs 44 = 73/sqm —					R 67766 = 00
⑪ p/v and applying tack coat with Rs-1 — E/					
1515.0 sqm wide MB p-5					
@ Rs 15 = 21/sqm —					R 23043 = 00
⑫ p/v Laying and rolling off close graded premix surface					
1515.00 sqm wide MB p-5					
@ Rs 233 = 49/sqm —					R 353737 = 00
⑬ Contd of Unreinforced Cement Concrete pavement — E/					
242.40 cum wide MB p-4					
@ Rs 7159 = 12/cum —					R 1735371 = 00
⑭ km Stone					
01 No. wide MB p-5					
@ Rs 2273 = 00/each —					R 2274 = 00
⑮ 200 mm Stone					
03 Nos wide MB p-5					
@ Rs 605 = 52/each —					R 1817 = 00
⑯ Boundary pillar					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
20 Nos vide MB page 5					
@ Rs 486 = 28/each					Rs 9726.00
(17) 600 mm Circular					
04 Nos vide MB page 5					
@ Rs 4952 = 17/each					Rs 19809.00
(18) 900 mm equilateral Triangle					
02 Nos vide MB page 5					
@ Rs 5449 = 90/each					Rs 10900.00
(19) 600 mm x 450 mm rectangular					
02 Nos vide MB page 6					
@ Rs 4821 = 98/each					Rs 9644.00
(20) P.V. and laying of 100 ft					
applying thermoplastic compound					
160.00 S.M. vide MB page 6					
@ Rs 735 = 44/S.M.					Rs 11760.00
(21) planting of trees by J.C. road sides					
40 Nos vide MB page 6					
@ Rs 817 = 92/each					Rs 32797.00
(22) P.V. and laying of 9 meter dia Cement concrete pipe dead end					
7.50 m vide MB page 6					
@ Rs 803 = 82/m					Rs 6026.00
(23) Direction sign board					
01 No vide MB page 6					
@ Rs 3160 = 16/each					Rs 3160.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(24) P.V. and fixing of typical MMSY in boundary sign board					
04 Nos. w/d MS pipe - 6					
@ Rs 10908 = 37/cum					Rs 43633 = 00
					Rs 4249613 = 00
Less 14.38/60/00					(-) 611094 = 00
					Rs 3638519 = 00
Add 12% GST					(+) 436622 = 00
Add 1% Less					(-) 36385 = 00
Seigniorage Fee					(+) 34732 = 00
C&P					Rs 4146258 = 00
Final 03/01/2022					

Material Statement

(1) Earth work	1141.58 cum
(2) Stone Metal	504.18 Cum
(3) Stone chips	259.07 cu
(4) Stone screening	54.54 Cum
(5) Sand	166.38 Cum
(6) Cement	84.84 MT
(7) SS-1	1.287 MT
(8) RS-1	0.416 MT
(9) J-90	3.108 MT
(10) Bitumen Emulsion (SS-1 cu)	

RS-1) Invoice No - FY2122M2301M3645
Date - 28/12/2021

Continuation

Bty - SS-1 - 1.40 MT
RS-1 - 0.60 MT