

17113 NO-3342 NEW SC

17113 NO-3342

સાચી માપન માટે સુધારાકાર દરિયાની માપન માટે
સુધારાકાર માપન માટે
Schedule XLV Form No. 134.

સાચી માપન માટે

સાચી માપન માટે

DIVISION

સાચી માપન માટે

SUB-DIVISION

સાચી માપન માટે

Measurement Book

17113 NO-3342

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.	
Name of Work—	Road from				
Sankat—	Mochan Mandir To Kohargah				
Harjan—	Tola Hote huc + drainage				
Yadav—	Re Ghar 2 lak.				
Agency—	Satyendra Upadhyay				
Agreement No—	50 SBP/20-21				
Agreement date—	15/3/20				
Agreement Value—	9491008 tak				
Completion date—	16/3/21				
(as per agreement)					
Sanctioned length—	1.325 km.				
Actual length—	1.123 km.				
Rate—	0.01 % below.				
Const ⁿ Cost—	Rs 8369291=00				
Maintenance Cost—	Rs 10,41,417=00				
S. Fee	Rs 80300=00				
① Length as per site—					
0-150 =	150 M BT done -				
150-169 =	19 M existing c/c part				
169-196.70 =	27.70 BT done -				
196.70-664.0M =	467.30M existing c/c				
664.0M-737 =	73 M BT done				
737-1446.50 =	709.50 c/c done -				
1446.50-1498.60 =	52.10 M BT.				
Total work done length =	150 + 27.70 + 73				
	+ 709.50 + 52.10				
	= 1012.30 M				

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① Rounding and fixing of working bench mark —					
1.12.3 km.					
② Reference pillar					
1.12.3 km					
③ Clearing and grubbing					
40x25x3.25 = 3250 M ²					
4x25x3.50 = 350 "					
1x23x3.50 = 80.50 "					
368.5 M ²					
Or 0.37 hectr					
④ Box cutting —					
2x4x25x0.375x0.100 = 7.50 3					
2x10x25x0.375x0.100 = 18.75 M ³					
2x2x21.10x0.375x0.100 = 3.165					
Rigid Side — 2x28x25x0.375x0.100 = 2.00					
2x1x9.50x0.375x0.100 = 0.71					
Flexible — 2x12x0.375x0.100 = 0.975 M ³					
75+125 M ³					
83.525 M ³					
⑤ Const ⁿ of embankment					
detained land 1000 M —					
202.6 M ³					
⑥ Const ⁿ of embankment					
land up to 100 M — 119.63 M ³					
⑦ Const ⁿ of subgrade —					
Flexible beds —					
SSB 2x16x25x1.388x0.200 = 222.08 M ³					
2x1x14x1.388x0.200 = 7.73 "					
WBM — 2x16x25x1.181x0.075 = 70.86 "					
2x1x14x1.181x0.075 = 2.48 "					
Rigid — 2x28x25x0.625x0.100 = 87.50 M ³					
SSB 2x1x9x0.625x0.100 = 1.125 "					
WBM — 2x28x25x0.625x0.075 = 65.62 "					
2x9x1x0.625x0.075 = 0.840 "					
Continuation					
458.275 M ³					

Particulars	Details of actual measurement				Contents
	No.	L.	B.	D.	Vol. area
c.c. side	2x28x25x0.625x0.160				140.00
	2x1x9x0.625x0.160				1.80
					141.80
⑧ Const ⁿ of GSB -					
flexible portion:					
	16x25x0.375x0.100				$15.0 M^3$
	1x14x0.375x0.100				$0.525 "$
Full width	16x25x3.75x0.100				$150.0 "$
	1x14x3.75x0.100				$5.25 "$
Rigid					$170.775 M^3$
⑨ Providing and laying Gr ³					
	16x25x3.75x0.075				$112.50 M^3$
	1x14x3.75x0.075				$3.94 "$
					$116.44 M^3$
⑩ Providing and applying Primer coat (SS)					
	16x25x3.75				$1500 M^2$
	1x14x3.75				$52.50 "$
					$1552.50 M^2$
⑪ Tack coat RS					
Qty same as per item No-⑩					
					$1552.50 M^2$
⑫ M.S.S.					
Qty same as per item No-⑩					
					$1550.50 M^2$
⑬ Const ⁿ of GSB.					
Rigid Portion					
	28x25x3.00x0.075				
Profile Correction	0.600x0.800x0.075				0.036
	1.06x0.750x0.100				0.080
	0.810x0.415x0.075				0.025
Continuation					$0.141 M^3$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					0.141 M ²
		1.70	1.0	0.100	= 0.170 "
		3.25	1.30	0.100	= 0.422 "
		11.10	2.10	0.075	= 1.75 "
Box cutting	2	28	25	0.375	0.100 = 52.50
	2	1	9	0.375	0.100 = 0.71 3
					55.69 M ³
					Ltd Qty 55.13 M ³
(14) Paving and laying					
spreading in PM Gr ³ -					
		28	25	3.75	0.075 = 196.88 M ³
(15) Const ² of un reinforced					
plain Cement Concrete					
		2	30	4.0	3.65 0.160 = 56.72 M ³
		1	24	3.60	3.25 0.160 = 13.5 "
		4	25	3.25	3.90 3.75 0.160 = 58.13 "
		6	30	3.75	3.85 0.160 = 109.44 "
		4	30	3.85	3.65 0.160 = 72.00 "
		9	25	3.65	3.75 3.95 0.160 = 136.19
					425.63 M ³
					Ltd Qty 424.20 M ³
(16) Km Stone	—		1	NO	
(17) 200 M Stone	—		6	NO	
(18) Boundary pillar	—		40	NO	
(19) Informatory sign board	—		4	NO	
(20) 900 mm square	—		2	NO	
(21) 600 mm x 450 mm Rectangular	—		2	NO	
(22) Road marking	—				
		2	16	25	0.100 = 80 M ²
		2	1	14	0.100 = 2.80
					82.80 M ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(23) At bottom edge for PCC					
Moulding - $2 \times 28 \times 25 \times 0.100 = 140$					
$2 \times 1 \times 9 \times 0.100 = 1.80$					
					141.80 M ²
					Ad dity 140 M ²
(24) Planting trees	32 No				
(25) Direction and placing					
identification	1 No.				
(26) MMGS logo board	6 No.				
(27) E/W in excavation in form					
$2 \times 2 \times 3.90 \times 1.150 \times 1.50 = 26.91 \text{ M}^3$					
$2 \times 2 \times 5.350 \times 1.130 \times 0.965 = 4.41$					
					31.32 M ³
(28/29) P.C.C M15 (1:2:5:5) in form					
H/Wall - $2 \times 2 \times 3.90 \times 1.150 \times 0.150 = 2.69 \text{ M}^3$					
P/Wall pipe - $2 \times 1 \times 5.31 \times 1.130 \times 0.250 = 3.01 \text{ M}^3$					
					5.69 M ³
(29/30) P/W (1:4) in head wall					
H/Wall - $2 \times 2 \times 3.60 \times 0.700 \times 2.180 = 21.97 \text{ M}^3$					
Parapet - $2 \times 2 \times 3.60 \times 0.400 \times 1.20 = 6.91 \text{ M}^3$					
					28.88 M ³
Loss for NP - $2 \times 2 \times 0.7857 \times (0.830)^2 \times 0.530 = 1.148$					
					27.73 M ³
(30/31) Grt for HP NP3 - 600 mm dis.					
$2 \times 7.50 = 15.0 \text{ M}$					
(31/32) Plastering (1:4)					
outer side - $2 \times 2 \times 3.60 \times 3.380 = 48.66 \text{ M}^2$					
inner side - $2 \times 2 \times 3.60 \times 0.600 = 8.64 \text{ M}^2$					
					57.30 M ²

Continuation

Particulars	Details of actual measurement			Contents of area
	No.	L.	B:	
Top -	2x2x	3.60	x0.400 = 5.76 M ²	57.30
End -	2x4x	0.700	x2.180 = 12.20 "	
Parapet -	2x4x	0.400	x1.20 = 3.840 "	
				59.10 M ²
Less for HP -	2x2x	0.785	x0.830 x 0.830 = 2.163	
				76.937 M ²
(3733) Providing 1.50 mm mat.				
padding -				
Top -	2x2x	3.00	x0.400 = 5.76 M ²	
Parapet -	2x4x	0.400	x1.20 = 3.840 "	
Inside -	2x2x	3.60	x0.600 = 8.640 "	
				18.240 M ²
(3384) Bitum Coar				
	2.50 x	18.240	= 45.60 M ²	

[illegible]

Abstract of cost

7

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① Bench mark - QVBP-⑤					
1.123 km. Ch 3670.78/km				R _g 4/22=00	
② Reference pillars.					
QVBP-② 1.123 km.					
Ch 1695.35/km.				R _g 1904=00	
③ Clearing and grubbing					
QVBP-② 0.3 hec					
Ch 5133.78/hect				R _g 18919=00	
④ Excavation for Roadway					
QVBP-② 83.52 M ³					
Ch 74.16/M ³				R _g 6194=00	
⑤ Const ⁿ of embankment					
end 1000 M					
QVBP-② 719.63 M ³					
Ch 125.22/M ³				R _g 20962=00	
⑥ Const ⁿ of embankment					
end 1000 M. QVBP-② 119.63 M ³					
Ch 141.14/M ³				R _g 16885=00	
⑦ Const ⁿ of subgrade.					
QVBP-③ 600.0 M ³					
Ch 178.86/M ³				R _g 106128=00	
⑧ Const ⁿ of GSB flexible					
portion. QVBP-③ 150.22 M ³					
Ch 3080.86/M ³				R _g 526134=00	
⑨ Paving with WPM Gr ³					
QVBP-③ 116.44 M ³					
Ch 3045.60/M ³				R _g 36138=00	
⑩ Primer coat (51)					
QVBP-③ 1552.50 M ²				R _g 69769=00	
Ch 44.94/M ²				R _g 72694=00	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					BF R ₂ 721694=00
(11) Tack coat R ₅ 1					
QVBP-(3) 1552.50 M ²					
CR ₅ 15.28/M ²					R ₅ 23722=00
(12) Priming M S S -					
QVBP-(3) 1552.50 M ²					
CR ₅ 233.59/M ²					R ₅ 362648=00
(13) Const 2 of G S B-Rigid					
port 200. QVBP-(4) 55.13 M ³					
CR ₅ 3080.86/M ³					R ₅ 169848=00
(14) Laying 150mm Gr ₃					
QVBP-(4) 196.88 M ³					
CR ₅ 3745.65/M ³					R ₅ 737434=00
(15) Const 2 of un reinforced plain concrete					
QVBP-(4) 424.20 M ³					
CR ₅ 7126.82/M ³					R ₅ 3023197=00
(16) 1m Slope. QVBP-(4) 1 NO					
CR ₅ 2265.16 each					R ₅ 2265=00
(17) 200mm Slope. QVBP-(4)					
6 NO CR ₅ 604.04 each					R ₅ 3624=00
(18) Boundary pillar. QVBP-(4)					
40 NO CR ₅ 485.60 each					R ₅ 19424=00
(19) Informatory sign board					
QVBP-(4) 4 NO					
CR ₅ 4948.27 each					R ₅ 19793=00
(20) 900mm equilateral					
QVBP-(4) 2 NO					
CR ₅ 5446 each					R ₅ 10892=00
					R ₅ 509454=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① 600mm x 450mm rectangular QVBP-④ 2 NO.				131	R ₅ 5094541=00
@ R ₅ 4818.02 each					R ₅ 9636=00.
② Road marking flexible portion QVBP-④ 82.80 M ²					
@ R ₅ 735.44 / M ²					R ₅ 60894=00
③ In c-c portion. QVBP-⑤ 1/40 M ²					
@ R ₅ 735.44 / M ²					R ₅ 102962=00
④ Planting of tree - QVBP-⑤ 32 NO					
@ R ₅ 819.92 each					R ₅ 262377
⑤/26 Direction and placing sign QVBP-⑤ 1 NO					
@ R ₅ 3155.83 each					R ₅ 3156=00
⑥/27 MMSy logo board. QVBP-⑤ 6 NO.					
@ R ₅ 10900.57 each					R ₅ 65403=00
⑦/28 EM in excavation. QVBP-⑤ 31.32 M ³					
@ R ₅ 272.01 / M ³					R ₅ 8519=00
⑧/29 P.C.M. 15 m formwork QVBP-⑤ 5.69 M ³					
@ R ₅ 5604.00 / M ³					R ₅ 31943=00
⑨/30 Blw (1.4) m head wall. QVBP-⑤ 27.13 M ³					
@ R ₅ 5346.05 / M ³					R ₅ 148299=00
⑩/31 Cost for NPS hammer pipe QVBP-⑤ 15.0 M					
@ R ₅ 2533.20 / M					R ₅ 37998=00
					R ₅ 5589588=00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					BA Rs 5589588=00
(31/32) Plastering on wall (C)					
76.74 M ² @ Rs 144.12/M ²					Rs 11091=00
(31/33) 1.5 mm thick matting					
QWBP-56 18.24 M ²					
@ Rs 46.28/M ²					Rs 844=00
(31/34) Paving into coat					
QWBP-6 45.60 M ²					
@ Rs 98.16/M ²					Rs 4476=00
					Rs 5605999=00
Add 1% for LC					(C) Rs 56060=00
Add 12% for GST					(C) Rs 672720=00
Add S.A. Fee					(C) Rs 80308=00
					Rs 645087=00
Less 0.01% for bulrow					(C) Rs 642=00
					Rs 6414445=00
<i>JE</i>					<i>chf</i>
24/4/23					<i>Imp</i>
JE					24/04/23
					EE