

Nb:- Sarsand Papan Road To Mushan tola Sarsand paschim. (MM4SY)
Length of Road :: 0.650 Km

(65H)

Schedule XLV-Form No. 134

MM4SY (65H)

સાંસ્કૃતિક વિભાગ નામ પ્રાંત, ગુજરાત DIVISION

સાંસ્કૃતિક વિભાગ નામ નગર પ્રાંત, ગુજરાત SUB-DIVISION

MEASUREMENT BOOK

No 2230

Agency: Shushil Kr Jha

- 1st on A/C Bill :-

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.	
NW:- Construction of MMasp Road from. Sursand Pupri road. TO Mushari Tola paschim, in Sursand Block)					Sursand Sursand
NI Agency:- M/s Shushil Kr. Jha.					
NO/Date of Agreement:- 30/8/2019-20/25.11.2019					
Date of Start:- 25.11.2019					
Date of Completion (As per Agreement) 24.08.2020.					
Date of measurement:- 06.12.2019.					

SINO-

1) Providing and fixing of working
benchmark pillars.

(a) Working benchmark pillars 1 0.650 0.650km

(b) Reference pillar 1 0.650 0.650km

SINO-

2) clearing and grubbing road land
including uprooting wild vegetation

2 650.0 3.50 - 4550.00m

4550.00/10000 = 0.464ai

SINO-

3) Excavation for roadway in soil
Box cutting side of edge Brick soling.

8 50.00 0.375 0.10 3.75m³

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
N/W:- Construction of MMGSY road from Sursand purpani road to Mushani Tola power sub station					Sursand pachim in Sursand block
N/Agency:- Shusil kr Jha					
Np/Date of Agreement:- 30/ SBD/2019-20/					25.11.2019 24.08.2
Date of start :-		25.11.2019			
Date of completion:- 24.08.2020. (As per Agreement)					
Actual Date of completion:-					10.06.2020.
Date of Measurement:-					08/06/2020.

1) 3.14. Construction of subgrade and Earthen shoulder with appurtenant material obtained from borrow pits.					
Earthen shoulder side of C.C. Road	2	650.00	0.625	0.160	130.00 m ³
2) 4.7. Providing laying spreading and compacting stone aggregate WBM					
Gr III					
	1.05	2.05	0.40	0.075	0.06 m ³
3) 6.4. Construction of plain cement concrete pavement.					
	4	30.00	3.75	0.16	72.00 m ²
	1	2.05	0.40	0.16	0.13 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4/10.1. R.C.C MIS grade kilometre Stone -					
(ii) KM stone - 02					02 Nos
(iii) 200 mm stone - 02					02 Nos
5/10.11. Boundary pillar -					
R.C.C cement concrete MIS grade boundary pillar fixed in turning - cement.					
Qty - 4x5					20.00
4x5					20.00
4x5					20.00
Total					60.00 Nos
6/10.2 Traffic sign -					
Providing and fixing of Retro reflective cautioning sign board.					
(i) 600 mm circular.					
08					08 Nos
(ii) 900 mm equilateral triangle - (Left and right corner)					
04					04 Nos
(iv) 600 mm x 450 mm (rectangular) -					
Qty 04					04 Nos
7) 8.13. Providing and laying of hot applied thermoplastic compound 2.50 mm thick.					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Side end of p.c.c. road.	2	650.00	0.10		130.00 m ²
8) 10.3. Providing and erecting dissection and place identification.					
retro reflective sign board.					
Qty 01					01 No.
9) 10.6. Providing and fixing of typical m m 45y ironing sign board.					
Maintenance Board.					
Qty 01					01 Nos
Shanker 03/06/2020 JE					

Date of measurement - 10.06.2020.

~~Abstract of cost~~

② Construction of parapet wall.

1) 13.9. Brick work masonry in cement mortar (1:3) in parapet.

2 6.50 0.40 0.60 3.12 m³.

2) 12.13. Providing p.c.c. m20 coping on the top of wing wall. return wall. etc.

2 6.50 13.00 mt.

3) 12.3(i)a. plastering with cement mortar (1:4) on brick work in sub structure.

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
3) 15.31.14	2	6.50	0.40		5.20
	2x2	6.50		0.60	15.60
	2x2		0.40	0.60	0.96
Total aty.					21.76 m ²

③ Construction of 600 mm Dia H.P. Culvert.

1/5) 12.3. Painting two coats on new concrete surface.

2.50	2.00	3.60	3.38	60.84 m ²
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10/06/2020
JB (Surrender)

(A) - Abstract of cost 1 (Roadwork)

1) 1.16) Providing and fixing of working bench mark pillar.

① Working bench mark pillars.
vide TMB/P-07.

aty 0.650 km @ 4490.16/km ⇒ 2919.00/-

(B) Reference pillars.

aty vide TMB/P-07

aty 0.650 km @ 2080.52/km 1352.00/-

2) 2.2) clearing and grubbing road land.

aty vide TMB/P-07

aty 0.46 ha @ 49739.50/ha ⇒ 22880.00/-

Total aty.

Continuation

Rs 27,151.00/-

90

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
3/2.14. Boxcutting excavation for road					
Way in soil-					
Qty vide TMB/P-12					1323.00/-
Qty 3.75 m ³ @ 81.20/m ³ ⇒					305.00/-
4) 3.4. Construction of Emankmant					
with material obtained from					
borrow pits.					
5) Qty vide TMB/P-12					
Qty 1283.68 m ³ @ 187.51/m ³ ⇒					2,40,703.00/-
5) 3.14. Construction of Subgrade and					
Earthwork Standard material					
Obtained from borrow pits.					
Qty vide TMB-P-12					
Qty 142.19 m ³					
Qty 130.00 m ³ (P-16)					2518.00/-
Total Qty 272.19 m ³ @ 189.39/m ³ ⇒					51,550.00/-
6) 4.1. Construction of G.S.D.					
Qty 234.82 m ³ @ 3022.44/m ³ ⇒					709729.00
Qty vide TMB/P-08. B					
7) 4.7 Providing and laying NBM Grm					
Qty vide TMB/P-08.					
Qty 186.41 m ³					
Qty 0.06 m ³ P-16					
Total Qty 186.47 m ³ @ 3677.24/m ³ ⇒					685694.00/-
Total Amount (Rs) -					1715132.00
					e/u

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
8) 6.4) construction of un reinforced cement concrete pavement-					
alg vide TMB/P-08.13					
alg 315.96 m ³ .					
alg 81.81 m ³ P-16.					
Total alg 397.77 m ³ @ 8446.10/m ³					3359605.00/-
9) 10.1) R.C.C MIS grade km stone.					
(ii) km stone-					
alg vide TMB/P-17					
alg 02 Nos @ 2636.98 each ⇒					5274.00/-
(iii) 200 mt stone -					
alg vide TMB-P-17.					
alg 02 Nos @ 711.24 each ⇒					1422.00/-
10) 10.11. R.C.C cement concrete					
MIS grade boundary pillar					
fixed in turning points.					
alg vide TMB/P-17					
alg 60.00 Nos @ 548.73 each ⇒					32924.00/-
11) 10.2 providing and fixing of Retro					
reflective cautioning sign board					
(ii) 600mm circular (speed limit)					
alg vide TMB/P-17.					
alg 08 Nos @ 5671.17 each ⇒					45369.00/-
(iii) 900mm equilateral triangle.					
alg vide TMB/P-17.					
alg 04 Nos @ 6470.69 each ⇒					25883.00/-
Total Amount (Rs).					51,85,609.00/-

Continuation

C/D

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11) 600 mm X 450 mm rectangular - alg vide TMB/P-17.					
alg 04 Nos @ 5516.04 each $\Rightarrow$					22,064.00
12) 8.13. Providing and laying ^{hot applied} thermo plastic carpet. 25mm thick (R.C.C. road)					
alg vide TMB/P-18					
alg 130.00m ² @ 947.57/m ² $\Rightarrow$					1,23,184.00/-
13) 10.3. Providing and fixing erasable, direction sign board,					
alg vide TMB/P-18.					
alg 01 No @ 3609.71 each $\Rightarrow$					3610.00/-

14) 8.29. Providing and laying R.C.C pipe duct 300mm dia across the road					
alg vide TMB/P-13					
alg 23.00mt @ 984.09/mt $\Rightarrow$					22,634.00/-
15) 10.6. Providing and fixing MM 450 information sign board.					
alg vide TMB/P-13.					
(i) Logo identification sign board.					
alg 02 Nos @ 11914.93 each $\Rightarrow$					23830.00/- 23829.00/-
(ii) Logo citizen band (P-13)					
alg 02 Nos @ 11914.93 each $\Rightarrow$					23830.00 23829.00/-
(iii) Maintenance board.					
alg vide TMB/P-18.					

Total Amount (Rs)

Continuation

54,04,761.00/-

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
01 No @ 119.14.93 each					11,915.00/-
Total Amount (Rs)					54,16,676.00/-
(B) Abstract of cost of constructing parapet wall:-					
1) 13.9. Brick masonry work in cm.					
1:3 in parapet wall.					
Qty vide TMB/p. 18.					
Qty 3.12 m ³ @ 6353.55/m ³					19822.00/-
2) 12.13. Providing p.c.c. m.m. coping on parapet top.					
Qty vide TMB/p. 18					
Qty 13.00 mt @ 496.67/m					6457.00/-
3) 12-3d(i) plastering with c.m.					

1:4 on brick work in sub-structure.					
Qty vide TMB/p. 18					
Qty 21.76 m ² @ 209.75/m ²					4564.00/-
(A) Total Amount (Rs)					30,843.00/-
(C) Abstract cost of construction of hip culvert:-					
1) 9.1) Earth work in excavation in foundation:					
Qty vide TMB/p. 11.					
Qty 15.66 m ³ @ 261.70/m ³					4101.00/-
2) 11.4 (ii) Providing M15 p.c.c. on levelling course in foundation					
Qty vide TMB-p. 11.					
Qty 2.85 m ³ @ 6732.71/m ³					19,188.00

Continuation
Total Amount (Rs)

23,289.00/-

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No. of items	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
3) 11.4 (11)	Providing concrete for plain surface of concrete in open foundation				
	Qty	vide TMS/P-11.			
	Qty	13.82 m ³	2425	81/m ³	1,02,996.00/-
4) 9.3 (6)	Providing and laying R.C.C. stone pipe 600mm dia				
	Qty	7.50 mt @ 1939.04/mt			14550.00/-
5) 12.3.	Painting two coats on wet concrete surface.				

	Qty	vide TMS/P-19.			
	Qty	60.84 m ³	@ 108.96	/m ³	6630.00/-
① Total Amount (Rs) (H.P. culvert)	Rs.	1,47,465.00/-			

Final Abstract of cost.

(A) Road construction (P-23)	Rs.	54,16,676.00/-
(B) Parapet-wall construction (P-23)	Rs.	30,843.00/-
(C) H.P. culvert construction (P-24)	Rs.	1,47,465.00/-
Total Amount (A+B+C)	Rs.	55,94,984.00/-
Less 1st R.A. Bill-	(-) Rs.	45,70,048.00/-
Net payable Amount (Rs)		10,24,936.00/-

Shri
10/06/2020
JE (Surround)

Shri
10/06/2020
JE
13.9.21