

M M WSY -

SC

अनुमति

Schedule XLV-Form No. 134-

M M WSY - Const of Road From Adhimnagar Keshari Chowk
Prathmik vidyalaya Path to Singhpur Muslim Tola

Agreement No - 01 / SBD / 2022-23

DIVISION

Agreement Value - 02,12,10,31 = 00

SUB-DIVISION

MEASUREMENT BOOK

Satigue & flans

756
13/04/22

Est on Ak bill

Name to 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	
Name of work:- Construction of					
Road from Pathimmar					
Meshri Chowk Prathurik					
Vidyalay path to singhpur					
Muslim Tola					
Agency:- Safique Alam					
Agreement No:- 015BD/2022-23					
Date of commencement:- 13/04/2022					
Date of completion:- 12/01/2023					
Record measurement					
① No and fixing 'logo'					
of masonry project					
board — EIT.					
$1 \times 4.0 \times 1.5 = 4.00 \text{ m}^2$					
② Clearing and grubbing					
road land — EIT.					
$2 \times 3 \times 30 \text{ m} \times 3.50 \text{ m} = 630.00$					
$2 \times 4 \times 30 \text{ m} \times 3.50 \text{ m} = 840.00$					
$2 \times 3 \times 30 \text{ m} \times 3.50 \text{ m} = 630.00$					
$2 \times 1 \times 25 \text{ m} \times 3.50 \text{ m} = 175.00$					
$\text{Total} = 2275.00$					
$= 0.23 \text{ Ha}$					

150	50	2.236	3.735	186.775
200	50	4.523	3.380	168.975
250	50	1.673	3.098	154.900
300	50	3.832	2.753	137.625
325	25	2.450	3.141	78.525
			0.47 =	1054.725 m ³

embankment lead 1000m

— 315 —

O.N.T.MBP-② 1054.725M³

Limit to: 860.01 m³

5 plb Rec Pipe 30mm dia-82

3	$\times 2.50m$	=	7.50m
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Sch. XLV - Form No. 134

Particulars	Details of actual measurement				Contents of area
	No	L	B	H	
Record entry					
① 17 Earth work in excavation for foundry - EIT.					
H.W.:- $2 \times 6.45 \times 1.40 \times 1.500 =$					27.09 m^3
Below pipe:- $1 \times 4.85 \times 1.53 \times 0.365 =$					$2.71 "$
					$\text{Qty} = 29.80 \text{ m}^3$
for 2 Nos = $2 \times 29.80 \text{ m}^3 =$					59.60 m^3
② 18 Pls PCC M15 in open foundry - EIT.					
H.W.:- $2 \times 6.45 \times 1.40 \times 0.150 =$					2.71 m^3
Below pipe:- $1 \times 4.831 \times 1.53 \times 0.250 =$					1.89 m^3
					$\text{Qty} = 4.60 \text{ m}^3$
for 2 Nos = $2 \times 4.60 \text{ m}^3 =$					9.20 m^3
③ 19 Pls RCC M20 in Sub structure - EIT.					
H.W.:- $2 \times 6.15 \times 0.825 \times 3.180 =$					32.27 m^3
Parapet:- $2 \times 6.15 \times 0.400 \times 0.600 =$					$2.95 "$
Less for pipe:-					
$2 \times 0.7857 \times (1.23)^2 \times 0.622 =$					$1.48 (-)$
					$\text{Qty} = 33.74 \text{ m}^3$
for 2 Nos = $2 \times 33.74 \text{ m}^3 =$					67.48 m^3
④ 20 Pls & laying PCC pipe R/P ₃ (1x1000 mm R) - V/S					
					$3 \times 2.50 \text{ m} = 7.50 \text{ m}$
for 2 Nos = $2 \times 7.50 \text{ m} =$					15.00 m
Continuation					

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
Accord entry					
① Excavation for road					
way in soil — EIT.					
$2 \times 6 \times 30 \text{ m} \times 0.625 \text{ m} \times 0.10 \text{ m}$					22.50 m^3
② Construction of					
embankment with					
material from road					
way cutting — EIT.					
D.V.T.M.B.D. — ④. ST ②					22.50 m^3
$22.50 \text{ m}^3 \times \frac{60}{100}$					13.50 m^3
③ Construction of					
USB cut I material					
— EIT.					
Profile correction:					
$3 \times 1.50 \text{ m} \times 1.80 \text{ m} \times 0.10 \text{ m}$					0.81 m^3
$1 \times 2.00 \text{ m} \times 1.20 \text{ m} \times 0.10 \text{ m}$					$0.24 "$
$1 \times 3.10 \text{ m} \times 1.60 \text{ m} \times 0.10 \text{ m}$					$0.50 "$
$1 \times 2.20 \text{ m} \times 1.20 \text{ m} \times 0.10 \text{ m}$					$0.26 "$
$1 \times 1.60 \text{ m} \times 2.40 \text{ m} \times 0.10 \text{ m}$					$0.38 "$
$1 \times 1.90 \text{ m} \times 1.60 \text{ m} \times 0.10 \text{ m}$					$0.30 "$
$1 \times 2.40 \text{ m} \times 1.80 \text{ m} \times 0.10 \text{ m}$					$0.43 "$
$1 \times 3.70 \text{ m} \times 2.20 \text{ m} \times 0.10 \text{ m}$					$0.81 "$
$4 \times 2.50 \text{ m} \times 1.60 \text{ m} \times 0.10 \text{ m}$					$1.60 "$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
1 x 3.10m x 1.60m x 0.10m					0.50 m ³
1 x 2.00m x 1.30m x 0.10m					0.26 "
2 x 4 x 30m x 3.75m x 0.10m					45.10 "
2 x 1 x 25m x 3.75m x 0.10m					9.38 "
2 x 6 x 30m x 0.625m x 0.10m					22.50 "
Extra widening					
1 x 13m x 2 x $\frac{0.225 + 0}{2}$ x 0.10m					0.29 m ³
1 x 16m x 0 x $\frac{0.85 + 0}{3}$ x 0.10m					0.45 "
1 x 14m x 0 x $\frac{1.35 + 0}{3}$ x 0.10m					0.63 "
1 x 18m x 0 x $\frac{1.25 + 0}{3}$ x 0.10m					0.75 "
1 x 12m x 2 x $\frac{0.275}{2}$ x 0.10m					0.33 "
				Qty =	85.42 m ³

⑧ p/c, laying, spreading
and compacting

WBM Cr-III - E/T.

1 x 13m x $\frac{4.20 + 3.75}{2}$ x 0.075m				3.88 m ³
2 x 30m x 3.75m x 0.075m				16.88 m ³
1 x 12m x 3.75m x 0.075m				3.38 "
1 x 16m x $\frac{3.75 + 4.60 + 3.75}{3}$ x 0.075m				4.84 "
1 x 18m x 3.75m x 0.075m				5.06 "
1 x 30m x 3.75m x 0.075m				8.44 "
1 x 14m x $\frac{3.75 + 5.10 + 3.75}{3}$ x 0.075m				4.41 "
1 x 30m x 3.75m x 0.075m				8.44 "
1 x 12m x 3.75m x 0.075m				3.38 "
1 x 18m x $\frac{3.75 + 5.0 + 3.75}{3}$ x 0.075m				5.63 "

Continuation

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
3 x 30 m x 3.75 m x 0.075 m					25.314 ³
1 x 12 m x 3.75 + 4.30 x 0.075 m					3.624 ³
1-30.5 m					22.77 m ³

ADD
8/11/23
m

3/12/23
m

Record Entry

① Construction of 1x120
in pavement - E.I.T.

$$1 \times 13 \text{ m} \times \frac{4.20 + 3.75}{2} \times 0.160 \text{ m} = 8.27 \text{ m}^3$$

$$2 \times 30 \text{ m} \times 3.75 \text{ m} \times 0.160 \text{ m} = 36.00 \text{ m}^3$$

$$1 \times 12 \text{ m} \times 2.75 \text{ m} \times 0.160 \text{ m} = 7.20 \text{ m}^3$$

$$1 \times 16 \text{ m} \times \frac{3.75 + 4.60 + 3.75}{3} \times 0.160 \text{ m} = 10.33 \text{ m}^3$$

$$1 \times 18 \text{ m} \times 3.75 \text{ m} \times 0.160 \text{ m} = 10.80 \text{ m}^3$$

$$1 \times 30 \text{ m} \times 3.75 \text{ m} \times 0.160 \text{ m} = 18.00 \text{ m}^3$$

$$1 \times 14 \text{ m} \times \frac{3.75 + 5.10 + 3.75}{3} \times 0.160 \text{ m} = 9.41 \text{ m}^3$$

$$1 \times 30 \text{ m} \times 3.75 \text{ m} \times 0.160 \text{ m} = 18.00 \text{ m}^3$$

$$1 \times 12 \text{ m} \times 3.75 \text{ m} \times 0.160 \text{ m} = 7.20 \text{ m}^3$$

$$1 \times 18 \text{ m} \times \frac{3.75 + 5.0 + 3.75}{3} \times 0.160 \text{ m} = 12.00 \text{ m}^3$$

$$3 \times 30 \text{ m} \times 3.75 \text{ m} \times 0.160 \text{ m} = 54.00 \text{ m}^3$$

$$1 \times 12 \text{ m} \times \frac{3.75 + 4.30}{2} \times 0.160 \text{ m} = 7.73 \text{ m}^3$$

$$\text{Total} = 198.94 \text{ m}^3$$

ADD
26/11/23
m

26/11/23
m

S.H. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	H	
<u>Record Entry</u>					
<u>① Construction of</u>					
<u>subgrade and earthen</u>					
<u>shoulder — E.T.</u>					
$2 \times 5 \times 30m$	$\times 0.375m$	$\times 0.175m$			$19.69m^3$
$2 \times 3 \times 30m$	$\times 0.375m$	$\times 0.175m$			$11.81 "$
$2 \times 2 \times 30m$	$\times 0.375m$	$\times 0.175m$			$7.88 "$
$2 \times 1 \times 25m$	$\times 0.375m$	$\times 0.175m$			$3.28 "$
					<u>$\Sigma =$</u>
$2 \times 5 \times 30m$	$\times 0.375m$	$\times 0.160m$			$18.00 "$
$2 \times 3 \times 30m$	$\times 0.375m$	$\times 0.160m$			$10.80 "$
$2 \times 2 \times 30m$	$\times 0.375m$	$\times 0.160m$			$9.20 "$
$2 \times 1 \times 25m$	$\times 0.375m$	$\times 0.160m$			$3.00 "$
					<u>$\Sigma =$</u>
					$81.66m^3$
<u>② Laying brick soling</u>					
<u>layer on prepared</u>					
<u>subgrade — E.T.</u>					
$2 \times 3 \times 30m$	$\times 0.250m$				$45.00m^2$
$2 \times 1 \times 20m$	$\times 0.250m$				$10.00 "$
$1 \times 1 \times 12m$	$\times 0.250m$				$3.00 "$
$1 \times 1 \times 8m$	$\times 0.250m$				$2.00 "$
$2 \times 3 \times 30m$	$\times 0.250m$				$45.00 "$
$1 \times 1 \times 7m$	$\times 0.250m$				$1.75 "$
$1 \times 1 \times 15m$	$\times 0.250m$				$3.75 "$
$2 \times 2 \times 30m$	$\times 0.250m$				$30.00 "$
$2 \times 1 \times 23m$	$\times 0.250m$				$11.50 "$

Continuation

 $\Sigma = 152.80m^2$

Sch. XLV - Form No. 134

Particulars	Details of actual measurement				Contents of area
	No	I	II	III	
③ 11 (i) ordinary kilometer stone (precast)					
					$1 \times 2.0 \text{ m}^2 = 2.0 \text{ m}^2$
(ii) 2.0m stone (precast)					
					$1 \times 1.0 \text{ m}^2 = 1.0 \text{ m}^2$
④ 14 p/c RCC M15 grade boundary pillar - E/F					
					$1 \times 16.0 \text{ m}^2 = 16.0 \text{ m}^2$
⑤ 15 (i) 600mm equilateral triangle board.					
					$1 \times 2.0 \text{ m}^2 = 2.0 \text{ m}^2$
(ii) 600mm x 450mm rectangular board.					
					$1 \times 2.0 \text{ m}^2 = 2.0 \text{ m}^2$
(iii) 900mm side octagon board.					
					$1 \times 1.0 \text{ m}^2 = 1.0 \text{ m}^2$
⑥ 16 Road Marking with hot applied Thermoplastic Compound - E/F					
					$2 \times 3 \times 30 \text{ m} \times 0.1 \text{ m} = 18.0 \text{ m}^2$
					$2 \times 5 \times 30 \text{ m} \times 0.1 \text{ m} = 30.0 \text{ m}^2$
					$2 \times 2 \times 30 \text{ m} \times 0.1 \text{ m} = 12.0 \text{ m}^2$
					$2 \times 1 \times 25 \text{ m} \times 0.1 \text{ m} = 5.0 \text{ m}^2$

Continuation

Qty: 65.0 m²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑦ 21 painting on parapet wall — E.S.					
Top-	2	6.15m	0.40m		4.92 m ²
Side-	4	6.15m	0.60m		14.76 "
Front-	4	0.40	0.60m		0.96 "
					0.96 + 14.76 = 20.64 m ²
for 2 Nos.	2				20.64 m ² × 2 = 41.28 m ²

17/12/23
 30/12/23
 GR
 AGR
 30/12/23
 GR

Abstract of cost

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Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
① (i) Pl & fixing of Working bench mark Pillar—EIT.					
1.00 No. O.V.T.M.B.P.—(2)					
@ 4247.62/each					Rs. 4248.00
(ii) Pl & fixing of Working Reference Pillar—EIT.					
1.00 No. O.V.T.M.B.P.—(2)					
@ 1952.95/each					Rs. 1953.00
② 2 clearing and grubbing road land—EIT.					
0.23 Hact. O.V.T.M.B.P.—(1)					
@ 53879.81/Hact					Rs. 12392.00
③ 3 Excavation for road way in soil—EIT.					
22.50 m ³ O.V.T.M.B.P.—(4)					
@ 75.61/m ³					Rs. 1701.00
④ 4 Construction of embankment with material from road way cutting—EIT.					
13.50 m ³ O.V.T.M.B.P.—(4)					
@ 26.57/m ³					Rs. 359.00
⑤ 5 Const. of embankment with material from roadway—EIT.					
1000 m—EIT					

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
860.01 m ³ @ v.t. M.B.P. - (2)					
@ 190.14/m ² — AS					167572.00
(2) Const. of subgrade					
& earth shoulder					
— E.I.T.					
81.66 m ³ @ v.t. M.B.P. - (7)					
@ 191.82/m ² — AS					15664.00
(7) Construction of					
USB Cr-I material					
— E.I.T.					
85.42 m ³ @ v.t. M.B.P. - (5)					
Unit to					
85.16 m ³					
@ 3287.80/m ² — AS					279989.00
(5) Placing, spreading					
and compacting					
WBM Cr-III — E.I.T.					
93.27 m ³ @ v.t. M.B.P. - (6)					
Unit to					
93.23 m ³					
@ 4052.57/m ² — AS					377821.00
(6) Construction of					
PCC M30 in pavement					
— E.I.T.					
198.94 m ³ @ v.t. M.B.P. - (4)					
Unit to					
198.90 m ³					
@ 7130.77/m ² — AS					1430244.00

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(10) Laying brick solid layer on prepared subgrade—EIT.					
152.00 m ² Q.U.T. MBP-⑦					
@ 511.48/m ² — Rs.					77745.00
(11) (i) ordinary Kilometer stone (precast)					
2.00 Nos. Q.U.T. MBP-⑧ 2.00 Nos. = 2.00					
@ 2316.21/each — Rs.					4632.00
(ii) 2.00 m stone (precast)					
1.00 No. Q.U.T. MBP-⑧					
@ 619.48/each — Rs.					619.00
(12) plv & fixing 'logo' of mmss project board—EIT.					
4.00 Nos. Q.U.T. MBP-①					
@ 9828.52/each — Rs.					39314.00
(13) plv acc MIS grade boundary pillar—EIT					
16.00 Nos. Q.U.T. MBP-⑧					
@ 514.37/each — Rs.					8229.00
(14) (i) 600 mm equilateral triangle board.					
2.00 Nos. Q.U.T. MBP-⑥					
@ 3761.99/each — Rs.					7524.00

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(ii) 60 mm x 450 mm rectangular board.					
2.00 m ² Q.U.T. M.P. (8)					
@ 4861.47/each - Rs.					9723.00
(iii) 90 mm side octagon board.					
1.00 m ² Q.U.T. M.P. (8)					
@ 8738.57/each - Rs.					8739.00
(15) T6 Road Marking with					
not applied					
Thermoplastic Compound					
- E.P.T.					
65.00 m ² Q.U.T. M.P. (8)					
@ 811.13/m ² - Rs.					52723.00
(16) T7 E.P.T. in excavation for					
found - E.P.T.					
59.60 m ³ Q.U.T. M.P. (3)					
@ 283.94/m ³ - Rs.					16923.00
(17) T8 P.L. P.C.C. M15 levelling					
course in found - E.P.T.					
9.20 m ³ Q.U.T. M.P. (3)					
@ 5792.34/m ³ - Rs.					53354.00
(18) T9 P.L. P.C.C. M20 in 1:1 1/2					
- E.P.T.					
67.48 m ³ Q.U.T. M.P. (3)					
@ 6590.74/m ³ - Rs.					444743.00

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(19) 20 Pl & laying RCC Pipe 102 (18x100mm) — EIT.					
15.00m R.V.T. MDP-②					
@ 4064.95/m — MS.					60974.00
(20) 21 Painting on parapet Wall — EIT.					
41.28m ² R.V.T. MDP-③					
@ 101.61/m ² — MS.					4194.00
(21) 22 Pl & laying RCC Pipe duct 30mm dia — EIT.					
7.50m R.V.T. MDP-④					
@ 961.73/m — MS.					7213.00
					MS. 3084542.00
Add 12% GST ④					MS. 370145.00
Add 1% C.C.SS ④					MS. 30845.00
Add 10% S.Fee ④					MS. 36740.00
					MS. 3522272.00
C.S.S 15.2% as per					
agg ④					MS. 535738.00
					MS. 2986534.00
ADP 5m 30/12/23 JR					3011443 MR

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Material Statement</u>					
(1) Earth = $941.67 \text{ m}^2 @ 34.81/\text{m}^2$					32780.00
(2) $53\text{mm} - 9.5\text{mm} = 51.10 \text{ m}^2 @ 620.62/\text{m}^2$					31714.00
(3) $9.5\text{mm} - 2.36\text{mm} = 20.43 \text{ m}^2 @ 514.58/\text{m}^2$					10512.00
(4) $2.36\text{mm} = 30.66 \text{ m}^2 @ 236.71/\text{m}^2$					7258.00
(5) $53\text{mm} - 22.4\text{mm} = 12.81 \text{ m}^2 @ 511.44/\text{m}^2$					57696.00
(6) $11.2\text{mm} = 22.38 \text{ m}^2 @ 397.73/\text{m}^2$					8901.00
(7) crushed Agg = $179.01 \text{ m}^2 @ 581.99/\text{m}^2$					104182.00
(8) C. sand = $89.51 \text{ m}^2 @ 175.80/\text{m}^2$					15735.00
(9) $40\text{mm} = 28.71 \text{ m}^2 @ 494.15/\text{m}^2$					14187.00
(10) $20\text{mm} = 26.50 \text{ m}^2 @ 604.91/\text{m}^2$					16030.00
(11) $10\text{mm} = 12.88 \text{ m}^2 @ 668.80/\text{m}^2$					8614.00
(12) C. sand = $34.73 \text{ m}^2 @ 175.80/\text{m}^2$					6116.00
(13) Brick = $9383 \text{ Nos} @ 5.72/\text{each}$					53671.00
				M.S.	367396.00
				10% S. Fee - M.S.	36740.00
				Total	
				30/12/23	
				OR	
				30/12/23	