

ममूस्य + Bridge

3111117311

Schedule XLV-Form No. 134

Consist of Road from A - Mulaijadi Path
to Mulaijadi Sershabadi (Road)

Agreement No - 17/SBD/2022-23 DIVISION

Agreement Value - 4,74,49,402 = 00

SUB-DIVISION

Part - (A)

MEASUREMENT BOOK

806

31/3/23

Jaya Anwar (Purwar)

Ist on AL Bill

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.	
Name of work:- Construction of					
Road from Mulai badi					
path to Mulai badi					
Shershah badi under MMGSY					
Agency:- jaya Anwar					
Agreement No:- 17 SBD/2022-23					
Date of Commencement:- 05/11/2022					
Date of Completion:- 04/11/2023					

Record Measurement					
①	16	pl & fixing 'logo'			
		of MMGSY project			
		board.			
②	2	1 x 2.10 No. = 2.10 No.			
		Clearing and Grubbing			
		Road Cond - Est.			
		2 x 5 x 30m x 3.50m =	1050.00m ²		
		2 x 5 x 30m x 3.50m =	1050.00m ²		
		2 x 8 x 30m x 3.50m =	1680.00m ²		
		2 x 5 x 30m x 3.50m =	1050.00m ²		
		2 x 8 x 30m x 3.50m =	1680.00m ²		
		2 x 1 x 21m x 3.50m =	147.00m ²		
		2 x 3 x 30m x 3.50m =	630.00m ²		
		1 x 7 x 30m x 3.50m =	735.00m ²		

Continuation
 Total = 8022.00 m²
 = 0.802 Hach

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(i) Do & fixing of Working benchmark pillar — E.I.T.					
			$1 \times 2.10 \times 10_3 =$	$2.10 \times 10_3$	
(ii) Do & fixing of Working Reference pillar — E.I.T.					
			$1 \times 5.10 \times 10_3 =$	$5.10 \times 10_3$	
Earth Work calculation as per graph					
Change	Distance		filling Area (m ²)	filling Area (m ²)	filling Volume (m ³)
0	0		0.033	0.0	0.0
50	50		0.035	0.037	1.850
100	50		0.023	0.023	1.450
150	50		0.04	0.032	1.575

200	50		0.053	0.047	2.325
250	50		0.076	0.065	3.225
300	50		0.02	0.048	2.400
330	30		1.14	0.580	17.400
			map for box bridge & App.		
414	0		0.251	0.696	0.00
450	36.0		0.168	0.210	7.542
500	50.0		0.164	0.166	8.300
550	50.0		0.14	0.152	7.600
584	44.0		0.135	0.138	6.050
			map for box bridge & App.		
678	0		2.513	1.324	0.00
700	22		2.051	2.282	50.204
750	50		1.566	1.803	90.425

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
80	50		2.323	1.345	97.225
850	50		2.001	2.162	108.10
90	50		2.684	2.343	117.125
950	50		2.177	2.932	146.575
1000	50		0.604	1.832	94.575
1050	50		2.178	1.391	63.550
1100	50		1.438	1.808	90.400
1110	10		1.60	1.519	15.190
LJMK Road					
0.0	0		1.066	0.00	0.00
50.0	50		0.323	0.695	34.725
100.0	50		1.001	0.662	33.100

150.0	50		0.684	0.843	42.125
200.0	50		0.179	0.432	21.575
250.0	50		0.604	0.392	19.575
300.0	50		0.178	0.391	19.550
308.0	9.0		0.438	0.308	2.772
Σ =					1112.508 m ²

④ Construction of

embankment with

material lead 100m—

$$O.V. 7.412 P - (3) = 1112.508 m^2$$

$$1112.508 m^2 \times \frac{75.80}{100} = 843.28 m^2$$

⑤ Construction of

embankment with material

lead 100m—E12

Continuation

Continuation
10.0000 x 60% = 6.0000

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>② Construction of</u>					
G.S.B with metal					
— E.I.T.					
<u>Profile Correction:</u>					
5 x 3.00m x 1.10m x 0.10m =					1.65 m ³
1 x 4.60m x 0.90m x 0.100m =					0.41 "
1 x 2.50m x 0.80m x 0.10m =					0.20 "
4 x 3.00m x 0.70m x 0.100m =					0.84 "
3 x 2.50m x 0.90m x 0.10m =					0.68 "
1 x 3.00m x 0.90m x 0.10m =					0.27 "
1 x 2.90m x 1.40m x 0.10m =					0.41 "
<u>ck</u> 1 x 5m x $\frac{4.60+2.40}{2}$ x 0.10m =					2.00 m ²
1 x 25m x $\frac{3.40+3.20}{2}$ x 0.10m =					8.25 "
3 x 30m x $\frac{3.20+3.10}{2}$ x 0.100m =					28.35 "
1 x 30m x $\frac{3.10+4.10+2.40}{3}$ x 0.10m =					10.60 "
1 x 20m x $\frac{3.40+3.20}{2}$ x 0.100m =					10.05 "
1 x 2m x 3.30m x 0.100m =					0.66 "
1 x 5m x $\frac{4.0+3.30}{2}$ x 0.10m =					1.83 "
2 x 30m x 2 x 0.275m x 0.10m =					3.30 "
1 x 30m x 2 x 0.275m x 0.10m =					1.65 "
1 x 10m x 2 x 0.275m x 0.10m =					0.55 "
2 x 30m x 3.75m x 0.100m =					22.50 "
<u>B.T.</u>					
1 x 16m x 4.05m x 0.200m =					12.96 m ³
4 x 30m x 4.05m x 0.200m =					97.20 "
1 x 20m x 4.05m x 0.200m =					16.20 "
1 x 30m x 4.05m x 0.200m =					24.30 "
1 x 30m x $\frac{4.05+5.05+2.05}{3}$ x 0.200m =					26.30 "

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6 X 30 m	X	4.05	X 0.20	m	145.80 m ²
1 X 30 m	X	$\frac{4.05 + 4.95 + 4.05}{3}$	X 0.20	m	26.10 "
1 X 30 m	X	4.05	X 0.20	m	24.30 "
1 X 5 m	X	$\frac{4.05 + 4.50}{2}$	X 0.20	m	4.28 "
1 X 25 m	X	4.50	X 0.20	m	22.50 "
3 X 30 m	X	4.05	X 0.20	m	72.90 "
1 X 12 m	X	4.05	X 0.20	m	9.72 "
1 X 10 m	X	$\frac{28.00 + 5.20}{2}$	X 0.20	m	33.20 "
1 X 20 m	X	$\frac{5.20 + 4.05}{2}$	X 0.20	m	18.50 "
8 X 30 m	X	4.05	X 0.20	m	194.40 "
1 X 11 m	X	$\frac{4.05 + 4.80}{2}$	X 0.20	m	9.74 "
1 X 13 m	X	4.80	X 0.20	m	18.24 "
1 X 5 m	X	$\frac{4.80 + 4.05}{2}$	X 0.20	m	4.43 "

$$1 \times 25 \text{ m} \times 4.05 \text{ m} \times 0.20 \text{ m} = 20.25 \text{ m}^3$$

$$\text{Qty} = 875.52 \text{ m}^3$$

16-1-24
m

Record Entry

Q. plv. laying, Spreading
and Compacting WBM

Or III - EIT

ch

1 X 5 m	X	$\frac{4.60 + 3.40}{2}$	X 0.075	m	1.50 m ³
1 X 25 m	X	$\frac{3.40 + 3.20}{2}$	X 0.075	m	6.19 "
3 X 30 m	X	$\frac{3.20 + 3.10}{2}$	X 0.075	m	21.26 "
1 X 30 m	X	$\frac{3.10 + 2.10 + 3.40}{3}$	X 0.075	m	7.95 "

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 X 30 ~ X		$\frac{3.40 + 3.30}{2}$		X 0.075m	7.54 m ²
1 X 2 ~ X		3.30m		X 0.075m	0.50 "
1 X 5m ~ X		$\frac{4.0 + 3.30}{2}$		X 0.075m	1.37 "
2 X 30 ~ X		3.30m		X 0.075m	14.85 "
1 X 15 ~ X		$\frac{3.30 + 3.75}{2}$		X 0.075m	3.97 "
2 X 30 ~ X		3.75m		X 0.075m	16.88 "
1 X 22 ~ X		3.75m		X 0.075m	6.19 "
<u>B.T. portion:-</u>					
1 X 16m ~ X		3.75m		X 0.075m	4.50m ²
4 X 30 ~ X		3.75m		X 0.075m	33.75 "
1 X 20 ~ X		3.75m		X 0.075m	5.63 "
1 X 30 ~ X		3.75m		X 0.075m	8.44 "
1 X 30m ~ X		$\frac{3.75 + 4.75 + 3.75}{3}$		X 0.075m	9.19 "
6 X 30 ~ X		3.75m		X 0.075m	50.63 "
1 X 30 ~ X		$\frac{3.75 + 4.65 + 3.75}{3}$		X 0.075m	9.11 "
1 X 30 ~ X		3.75m		X 0.075m	8.44 "
1 X 5 ~ X		$\frac{3.75 + 4.20}{2}$		X 0.075m	1.49 "
1 X 25 ~ X		4.20m		X 0.075m	7.88 "
3 X 30 ~ X		3.75m		X 0.075m	25.31 "
1 X 12 ~ X		3.75m		X 0.075m	3.38 "
1 X 10 ~ X		$\frac{27.70 + 4.30}{2}$		X 0.075m	12.23 "
1 X 20 ~ X		$\frac{4.30 + 3.75}{2}$		X 0.075m	6.45 "
8 X 30 ~ X		3.75m		X 0.075m	67.50 "
1 X 11 ~ X		$\frac{3.75 + 4.40}{2}$		X 0.075m	3.36 "
1 X 13 ~ X		4.40m		X 0.075m	6.27 "
1 X 5 ~ X		$\frac{4.40 + 3.75}{2}$		X 0.075m	1.53 "

Continuation

Conclusion

Abstract of cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① (i) pl & fixing of working bench mark pillar—E.I.					
2.0 No. O.V. T.M.P.—②					
@ 4373.35/each—Rs.					8747.00
(ii) pl & fixing of working reference pillar—E.I.					
5.0 No. O.V. T.M.P.—②					
@ 2018.72/each—Rs.					10094.00
② clearing and grubbing road land—E.I.					
0.802 Hect. O.V. T.M.P.—①					
@ 53879.81/Hect—Rs.					43212.00
③ excavation for road way in soil—E.I.					
10.0 m ² O.V. T.M.P.—④					
@ 75.61/m ² —Rs.					756.00
④ const. of embankment from road way cutting—E.I.					
6.0 m ² O.V. T.M.P.—④					
@ 26.57/m ² —Rs.					159.00
⑤ const. of embankment					
843.28 m ² O.V. T.M.P.—③					
@ 143.16/m ² —Rs.					120724.00

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑥ Construction of embankment — E.T.					
263.40 m ² O.V.T.M.B.P. (4)					
@ 190.14/m ² — P.S.					51147.0
⑦ Construction of subgrade & shoulder — E.T.					
2082.69 m ² O.V.T.M.B.P. (4)					
@ 191.82/m ² — P.S.					399502.0
⑧ Const. of GSB with metal — E.T.					
875.52 m ² O.V.T.M.B.P. (6)					
@ 3604.82/m ² — P.S.					3156100.0
⑨ Placing, spreading and compacting W.B.M. 65-III — E.T.					
360.36 m ² O.V.T.M.B.P. (8)					
@ 4441.70/m ² — P.S.					1599012.0
⑩ Construction of P.C.C. 430 in pavement — E.T.					
183.60 m ² O.V.T.M.B.P. (8)					
@ 7647.20/m ² — P.S.					1404025.0
⑪ Placing logo of Muzsy Project Board.					
2.0 Nos. O.V.T.M.B.P. (1)					
@ 9935.54/each — P.S.					19871.0

Continuation

C.O. P.S. 6813349.0

Scanned with CamScanner