

M.B. No - 236 MIMHSY (SC)

Schedule XIV - Form No. 1243

PMHSY Road to

BILAR P.W.D.

~~GHAMHARIYA~~ DIVISION

~~_____~~ SUB-DIVISION

~~_____~~
~~_____~~
MEASUREMENT BOOK.
~~_____~~
~~_____~~

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 Area
	No.	L.	B.	D.	
Name of Work — Construction of Road from PMBSY Road to Gamahawriya.					
Name of Agency — M/s Devi Construction					
Agreement no. 54/2020-21					
Date of Work start 19-03-2021.					
Date of Work Comp. 18-12-2021					
Date of Measurement 07-04-21					
(1) Providing & fixing					
of					

(1) Working Benchmark					
Pillar $\longrightarrow$ 1 No					
(2) Reference Pillar 2 No					
(2) Cleaning & grubbing Road land					
$2 \times 660 \times 3.50 / 10,000 = 0.4620 \text{ Ha}$					
Say 0.46 Ha.					
(3) Construction of Embankment with Material obtained from borrow Pit					

E/W Calculation chart					
Chainage	C/S	Mean Length	Qty		
	Area	Area	(m ³)		
00	4.00	—	—		

Continuation.

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
Chainage	C/S	Mean Length	Qty		
	Area	Area			(m ³)
50	4.00	4.000	50		200.00 m ³
100	4.150	4.075	50		203.75 m ³
150	4.100	4.125	50		206.25 m ³
200	4.000	4.050	50		202.50 m ³
250	4.060	4.080	50		204.00 m ³
300	4.110	4.085	50		204.25 m ³
350	4.120	4.115	50		205.75 m ³
400	4.160	4.140	50		207.00 m ³
450	4.000	4.080	50		204.00 m ³
500	4.170	4.085	50		204.25 m ³
550	3.890	4.030	50		201.50 m ³
600	3.900	3.895	50		194.75 m ³
600	4.120	4.010	60		240.60 m ³
Total -					2,678.60 m ³
Total Deduction					1052.79 m ³
Net E/W					1625.81 m ³
(4) Construction of shoulder					
Subgrade with					
approved material					
obtained from borrow					
pit					
2 x 660.00 x 0.375 x 0.175					
					86.63 m ³
(5) Providing G.S.K.					
by providing well					
graded material					
5 x 30.00 x 3.75 x 0.100 = 56.25 m ³					
5 x 30.00 x 3.75 x 0.100 = 56.25 m ³					
Continuation					Total - 112.50 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
			131A		112.50 m ²
					$5 \times 30.0 \times 3.75 \times 0.100 = 56.25$
					$5 \times 30.0 \times 3.75 \times 0.100 = 56.25$
					$2 \times 30.0 \times 3.75 \times 0.100 = 22.50$
					Total - 247.50 m ²
					Add 2% for curve 4.95 m ²
					Total 252.45 m ²
(6) Providing laying spreading & Compacting W.B. 1:1. Gravel - Comp					
					$5 \times 30.0 \times 3.75 \times 0.075 = 42.1875$
					$5 \times 30.0 \times 3.75 \times 0.075 = 42.1875$
					$5 \times 30.0 \times 3.75 \times 0.075 = 42.1875$
					$5 \times 30.0 \times 3.75 \times 0.075 = 42.1875$
					$2 \times 30.0 \times 3.75 \times 0.075 = 16.88$
					Total - 185.628 m ²
					Add 2% for Curve 3.712 m ²
					Total - 189.34 m ²
(7) Providing & fixing typical masonry In formwork board & Project of Logo 4 Nos					
(8) Dismantling of existing structures like Cement concrete					
					$1 \times 3.50 \times 1.54 \times 0.15 = 0.81 m$
(9) Dismantling of existing structures like Cement mortar					
					$2 \times 5.64 \times 0.825 \times 2.50 = 23.27 m$

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(10) Removal of damage H.P. 600 mm dia					15.0 m ³
(11) Brick Masonry in cut (1:3) in Parapet $2 \times 4.00 \times 0.40 \times 0.60 = 1.920$					1.920 m ³
(12) P/V P.C.C. M 20 in capping $2 \times 4.00 = 8.00$					8.00 m ²
(13) Plastering 2:1:6 cut (1:4) $4 \times 4.00 \times 0.60 = 9.60$ $2 \times 4.00 \times 0.40 = 3.20$ $4 \times 0.40 \times 0.60 = 0.96$ Total 13.76 m ²					13.76 m ²
(14) B.W. in excavation in foundation $2 \times 6.45 \times 1.40 \times 1.50 = 27.09$ $1 \times 4.85 \times 1.53 \times 1.365 = 2.708$ Total 29.798 m ³					29.798 m ³
(15) P/V P.C.C. M 15 grade in foundation $2 \times 6.45 \times 1.40 \times 0.15 = 2.709$ $1 \times 4.93 \times 1.53 \times 0.15 = 1.886$ Total 4.595 m ³					4.595 m ³
(16) P/V P.C.C. M 20 grade in sub-structure $2 \times 6.15 \times 1.825 \times 3.18 = 32.269$ $2 \times 6.15 \times 1.40 \times 0.60 = 2.952$ Total 35.221 m ³ Less for H.P. 1.478 m ³					33.743 m ³

Continuation

Total 33.743 m³

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	

(17) Providing and
laying R.C.C. HP.
1000mm dia 7.50 M

Umapal
07-04-21
JE
Nayabhatta

ABSTRACT OF COST

(1/2)

(i) Providing & fixing
of Working Benchmark
Qty V.T.M.B.P.₁ = 2 Nos
@ Rs 3737.95 per No

Rs 3,738.00

(ii) P.V. & Fixing
Reference Pillar

Qty V.T.M.B.P.₂ = 2 Nos
@ Rs 1713.46 per No

Rs 3,427.00

(3) Clearing & grubbing
Road land

Qty V.T.M.B.P.₃ = 0.46 Ha
@ Rs 52,970.23 per Ha

Rs 24,356.71

Continuation

Rs 31,543.00

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
			BIFR		32,543-w
(3/4) Construction of Embankment lead up to 1000 m					
Qty V.T.M.B.P. ₂					1625.81 m
CR					190-36 per m ³
					R 3,09,489-w
(4/4) Construction of Subgrade & shoulders					
Qty V.T.M.B.P. ₂					86.63 m
CR					198-04 per m ³
					R 16,636-w
(5/5) P.V. B.S.B. by providing well					
graded material					
Qty V.T.M.B.P. ₃					252.45 m
CR					2829-14 per m ³
					R 7,14,216-w
(6/6) AV and laying W.B.M. for P.V.					
Qty V.T.M.B.P. ₂					185.34 m
CR					3,984-65 per m ³
					R 7,54,453-w
(7/10) Providing and fixing Information board & Logo of Project					
R fy V.T.M.B.P. ₂					4 m
CR					9637-20 per m ²
					R 38,548-w
					Total R 18,64,885-w

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
					BIPR ₅ 18,64,885 = 6
(8/15) E/W in excavation in found					
					Qty V-T-MB P ₄ = 29.798 m ³
					@ Rs 279 = 09 per m ³
					Rs 8,316 = 6
(9/16) P/V ACC. M/S in found					
					Qty V-T-MB P ₄ = 4.596 m ³
					@ Rs 5,204 = 03 per m ³
					Rs 23,917 = 6
(10/17) P/V ACC. M/S in in Sub structure					
					Qty V-T-MB P ₄ = 33.753 m ³
					@ Rs 6010 = 64 per m ³
					Rs 2,02,817 = 6
(11/19) Providing & Laying R.C. H.R. 1000 mm dia					
					Qty V-T-MB P ₅ = 750 m ³
					@ Rs 3957 = 81 per m ³ Rs 29,634 = 6
(12/21) Brick Masonry in ch (1:3)					
					Qty V-T-MB P ₄ = 10.926 m ³
					@ Rs 5864 = 13 per m ³ Rs 11,259 = 6
(13/22) P/V ACC. M/S in coping					
					Qty V-T-MB P ₄ = 8.8 m ³
					@ Rs 390 = 09 per m ³ Rs 3,120 = 6
					Total Rs 4,43,948 = 6

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
					As per 21,43,948.00
(14/25) Hasling Ditch					
Chy (1:4)					
Rty V.T.M.B.P. = 13.76m					
CR 153.04 per m ²					2,188.00
(15/24) Dismantling					
existing structure.					
Rty V.T.M.B.P. = 6.81m ³					
CR 497.81 per m ³					403.00
(16/25) Dismantling					
existing structure.					
Rty V.T.M.B.P. = 23.02m ³					
CR 235.98 per m ³					
					5,491.00
(17/26) Removal of					
Damage H.P. 600mm					
Rty V.T.M.B.P. = 15.04					
CR 18.13 per m ²					2717.00
					Total 21,59,747.00
Add 1st. Cost					2,58,569.00
Add 1st. Labour cess					2,547.00
Add Seigniorage fee					678.00
					Total 24,35,541.00
Less 22.06% As per Agre					5,37,280.00
					Total 18,98,261.00
1/10/04					
J.E. Khatke					
Naukha					