

Mathar Panchayat Bhawan Se Mathar
Purbi Tola M.M.G.S.Y (S.C)

Schedule XLV-Form No. 134

Khagunia

DIVISION

Khagunia

SUB-DIVISION

M.B. No - 1049

Measurement Book

NYS Anupama Infr Pvt Ltd
Agno - 11/5/2019-20

3rd on file 1311

13

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work:- <u>Marhal Fard</u>					
<u>gust Station & page no.</u>					
<u>that Puchi Fala.</u>					
Approved:- <u>ms. Anshuman Singh</u>					
<u>Structure Engineer, P.W.D.</u>					
Agreement no:- <u>14.SBD/2019-20</u>					
Date of start:- <u>02.03.2020</u>					
Date of completion:- <u>01.03.2021</u>					
<u>1) Construction of structure.</u>					
<u>Sub. base by providing</u>					
					$3 \times (3.75 + 4.00) / 2 \times 0.10 = 1.16 \text{ m}^3$
					$3.00 \times (4.07 + 5.50) / 2 \times 0.10 = 1.28 \text{ m}^3$
					$3.00 \times (4.50 + 4.00) / 2 \times 0.10 = 1.28 \text{ m}^3$
					$3.00 \times (4.00 + 3.75) / 2 \times 0.10 = 1.16 \text{ m}^3$
					<u>Total = 4.88 m³</u>
					$4.00 \times (3.75 + 6.00) / 2 \times 0.10 = 1.95 \text{ m}^3$
					<u>Total = 6.83 m³</u>
<u>2) Providing layer of spreader</u>					
<u>and compacting with G-12</u>					
					$3.00 \times (3.75 + 4.00) / 2 \times 0.075 = 0.87 \text{ m}^3$
					$3.00 \times (4.00 + 4.50) / 2 \times 0.075 = 0.96 \text{ m}^3$
					$3.00 \times (4.50 + 4.00) / 2 \times 0.075 = 0.96 \text{ m}^3$
					$3.00 \times (4.00 + 3.75) / 2 \times 0.075 = 0.87 \text{ m}^3$
					$4.00 \times (3.75 + 6.00) / 2 \times 0.075 = 1.46 \text{ m}^3$
					<u>Total = 5.12 m³</u>
<u>3) Construction of up-ribs</u>					

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Gravel consumption					
Stone - 100 mm dia. con.					
Sand - 100 mm dia. con.					
1x 30.0x 3.75x 0.160					12.00 m ³
3.00x(3.75+4.00)/2x0.160					1.86 m ³
3.00x(4.0+4.50)/2x0.160					2.04 m ³
3.00x(4.50+4.00)/2x0.160					2.04 m ³
3.00x(4.00+3.75)/2x0.160					1.86 m ³
7x 30.0x 3.75x 0.160					12.6 m ³
4.00x(5.00+3.75)/2x0.160					3.12 m ³
6x 30.0x 3.75x 0.160					10.8 m ³
6x 30.0x 3.75x 0.160					10.8 m ³
1x 30.0x 3.75x 0.160					12.00 m ³
Total = 388.92 m ³					
Add 30 m ³ measurement					230.92 m ³
Total = 613.92 m ³					
Less for 100 mm dia. 11x 394.14 m ³					
Total = 219.78 m ³					
4) Laying brick setting layer					
unprepared sub-grade - do					
2x 20.0x 30.0x 0.375					450.0 m ³
2x 1x 20.0x 0.375					1.50 m ³
2x 12x 30.0x 0.375					270.0 m ³
2x 1x 20.0x 0.375					1.50 m ³
Total = 723.0 m ³					
5) Construction of sub-grade					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
good section should be					
2x6230.02x4.02x0.335					180.60m³
2x14280.02x0.65x0.335					188.91m³
2x12370.2x0.65x0.335					117.6m³
2x4230.02x0.07x0.335					80.40m³
2x8230.02x0.60x0.335					109.58m³
2x1224.02x0.65x0.335					10.45m³
Total = 510.64m³					

56) Construction of embankment
with approved materials

Chainage	Area	Mean Area	Dist.	Qty.
0+0	4.685	-	-	-
50	5.338	5.009	50	250.45
100	4.968	5.150	50	257.50
150	5.218	5.090	50	254.50
200	5.415	5.314	50	265.70
250	4.887	5.157	50	257.50
300	5.358	5.180	50	258.00
350	4.675	5.014	50	250.70
400	5.685	5.150	50	257.50
450	5.281	5.123	50	246.15
500	5.338	5.277	50	263.85
550	4.878	5.105	50	255.25
600	4.352	4.515	50	230.75
650	3.896	4.124	27	111.35
700	3.785	-	-	-

Continuation

650	4.328	4.057	23	93.31
700	4.887	4.392	50	219.60

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
750	4.768	4.825	50		241.85
800	5.088	4.892	50		244.60
850	4.984	4.923	50		248.65
900	5.238	5.078	50		253.90
950	5.468	5.338	50		266.85
1000	6.385	4.884	50		244.80
1011	3.345	3.855	50		42.19

Total = 5036.80 m

Less:- (R.S.B. - 388.67 m³ + N.B.M. & G.M.)

- 287.75 m³ + Shoulder - 518.67

Shoring - 93.75 m³ RCC:-

(18.90 m³) = 1889.73 m³

Net of R/W D/W = 5036.80 - 1889.73 m³

= 3147.07 m³

= 3147.07 - 2208.75 = 938.32 m³

(1) Providing RCC grade M-15

km. stone as per specification

(2) 1 km. stone = 2 nos.

(3) 200 m. stone = 4 nos.

(8) RCC grade M-15 boundary

pillars/loc. at stone of - do.

= 56 nos.

(9) Providing and fixing of

extra reflective sign - do.

(2) 600 mm circular = 6 nos.

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(ii) 600 mm equilateral					
					= 92 nos.
(iii) 600 mm x 600 mm rectangular					
					= 2 nos.
(iv) 900 mm side octagon					
					= 4 nos.
(v) Road marking with hot applied thermoplastic-ds					
	2x	6.0x0.50x2			= 12.00m ²
(vi) Road marking with hot appl. of thermoplastic compound					
	2x	20x30.0x0.100			= 120.00m ²
	2x	1x27.0x0.100			= 5.40m ²
	2x	12x30.0x0.100			= 72.00m ²
	2x	1x24.0x0.100			= 4.80m ²
					Total = 208.20m ²
(vii) Direction and place identification sign board-ds					
					= 1 nos.
(viii) Planting of tree and shrub					
					specifies price for one year.
					= 40 nos.
(ix) Providing and fixing 'logs' of project nearby as per					
					= 4 nos.

26-02-2021

Continuation

26/02/2021
08

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>ABSTRACT OF COST</u>					
(1) Providing and fixing of working benching and					
1 Nos. vide TMB, P-10					
@ 3858.54/m. ₹					3857.00
(2) Clearing and grubbing m- and soil (By manual means)					
0.70 Hec. vide TMB, P-10					
@ 49496.70/Hec. ₹					34648.00
(3) Construction of Embankment with approved material-ck					
2208.75 m ³ vide TMB, P-10					
+ 938.98 m ³ " " " P-16					
3147.07 m ³ @ 174.83/m ³ ₹					550202.00
(4) Construction of Superroad and earthen shoulder-ck					
510.64 m ³ vide TMB, P-15					
@ 176.47/m ³ ₹					90113.00
(5) Construction of granular sub-base by providing					
376.86 m ³ vide TMB, P-10					
+ 6.83 m ³ " " " P-15					
(Lift = 382.50 m)					
382.69 m ³ @ 2158.86/m ³ ₹					825756.00
(6) Providing laying and comp- acting 150 mm G. T. as per ck.					
282.63 m ³ vide TMB, P-10					
+ 5.12 m ³ " " " P-15					
287.75 m ³ (Lift = 286.88 m)					
@ 2587.11/m ³ ₹					742190.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(7) Construction of imp. main for - Red cement concrete as per 394.14 m ³ vide TMB.P-11 + 219.76 m ³ " " " " P-14 613.90 m ³ (Limit = 318.00 m ³) @ 6575.50/m ³ ₹ 6084206=					
(8) Laying brick-soling layer on prepared sub-grade - do 750.0 m ² vide TMB.P-14 @ 486.78/m ² ₹ 365085=					
(9) RCC roads m. 15 km. stone as per technical specification 50.15 m stone (excessing) 2. Nos. vide TMB.P-16 @ 2079.08/m ² ₹ 4158=00					
(10) 800 m. stone (Precast) 4. Nos. vide TMB.P-16 @ 584.74/m ² ₹ 2339=00					
(11) Reinforced cement concrete -crete m. 15 boundary pillars 56.00 m ³ vide TMB.P-16 @ 476.90/m ³ ₹ 26706=00					
(12) Providing and fixing rebar 80% active iron bar - do 52.600 m ² equilateral 22. Nos. vide TMB.P-16 @ 3687.98/m ² ₹ 81136=00					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(i) 600 mm circular					
6 Nos vide TMB.P-16					
@ 4959.90/mos. ₹					29759.00
(ii) 600 x 600 mm rectangular					
8 Nos vide TMB.P-17					
@ 4669.43/mos. ₹					9339.00
(iv) 900 mm side octagon					
4 Nos. vide TMB.P-17					
@ 8855.79/mos. ₹					35423.00
(ix) Road marking with hot applied thermoplastic - do					
12.00 m ² vide TMB.P-17					
@ 735.98/m ² ₹					8825.00
(ix) Road marking with hot applied thermoplastic - do					
208.80 m ² vide TMB.P-17					
Limit: 800.00 m ² @ 880.83/m ² ₹					164166.00
(ix) Direction and place identification as per drawing					
1 Nos. vide TMB.P-17					
@ 2741.66/mos. ₹					2742.00
(ix) Printing and fixing logo of project as per (company) do					
2 Nos. vide TMB.P-17					
+ 4 Nos. " " " P-17					
6 Nos. @ 8859.04/mos. ₹					53124.00
(ix) Planting of tree and shrub					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Year maintenance - do					
40 Nos vide TMB.P-17					
@ 800.20/m. ₹					32018.00
(17) Earth work excavation for foundation as per do					
15.66 m ³ vide TMB.P-11					
@ 260.59/m ³ ₹					4081.00
(18) Providing m-c concrete in floor foundation as per					
2.85 m ³ vide TMB.P-11					
@ 4896.54/m ³ ₹					13955.00
(19) Brick masonry work in city 1:4 in road wall cement plaster as per specification					
13.72 m ³ vide TMB.P-11					
@ 5802.86/m ³ ₹					79615.00
(20) Providing and laying red pipe NP-3 for culvert as per technical specification					
7.50 m vide TMB.P-11					
@ 1738.86/m ₹					13041.00
(21) Plastering with cement mortar (1:4) on brick masonry wall as per do					
27.86 m ² vide TMB.P-11					
@ 175.32/m ² ₹					4881.00
(22) Providing 1.5mm cement					

(Continuation)

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
paving including ch.					
912 m ² x 200 mm B.P. = 18					
@ 46 = 54/m ²					₹ 484.00
Total = ₹					7201783.00
Add GST @ 18%					₹ 864214.00
Add L.C @ 1%					₹ 72018.00
Total ₹					8138015.00
Less as per App. 0.80% = (-)					16876.00
Total = ₹					8121739.00
Less previous bill bill = ₹					5294524.00
Net Bill ₹					2827215.00
Cd. 21/10/2019					
26/10/2019					
A.E. 05/11/2019					