

ਮਾਊਕਪੁਰ ਪੋ ਕੀਨਾਬਰ

124 SBD/2020-21 (SC).
MMGSY

Schedule XLV-Form No. 134

BARSI DIVISION

DAGURDA SUB-DIVISION

MEASUREMENT BOOK

1476

ਜ਼ੈਮਾਨਾ ਕੀਮਤ

Date of Measurement-

No. and date of agreement

(These four lines should be repeated at the commencement of the measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
M/W - Manikpur to Mirzapur under MMGSY (SC) in Block Dehazua Dist Purnea					
Agency :- Premanshu Kumar, At Amla Tola, Madhubani Ward No-02 Dist - Purnea (Bihar)					
Ag. NO	124	SBD	(2020-21)		
D.U. Start - 10.04.21					
Date of completion - 09.01.22					

Quoted Rate - ₹ 0.06%

Work-done

(1) Providing & fixing of work

benchmark / Ref. Pillar

(a) Benchmark

1.00 NO.

(b) Ref. Pillar

2.00 NO

(2) clearing and grubbing

Land - do - all comp.

2 x 366 x 3.50

= 2562 M²

= 0.2649

(3) Dismantling of structure

like as work

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4) Excavation for Roadway					
in soil with manual men					
	2 x	150 x	0.525 x	0.10 =	15.75
	2 x	150 x	0.375 x	0.10 =	11.25
					27.00 m ³
(5) Const of embankment with					
deposited material at site.					
	27.00 m ³ x	60%		=	16.20 m ³
(6) Const of embankment - with					
approved material from Barrage					

Chainage	Area	Mean	Height	Qty
0+0	0.22	—	—	—
50	0.76	0.49	50	24.50
100	1.03	0.895	50	44.75
150	1.75	1.39	50	69.50
200	1.40	1.575	50	78.75
250	1.93	1.665	50	83.25
300	1.45	1.69	50	84.50
350	1.24	1.545	50	67.25
366	1.11	1.175	16	18.80
				471.30 m ³

$$471.30 \times 80\%$$

$$= 377.04 \text{ m}^3$$

~~14/11/21~~

~~14/11/21~~

(7) Const of Subgrade A car/Ten

Shoulder - do - all Comp.

$$2 \times 66.0 \times 7.726 \times 0.30 = 152.97 \text{ m}^3$$

(8) Const of GSB grade I by

Providing well graded material

$$\text{B.T Area} \quad 1 \times 86 \times 4.05 \times 0.20 = 53.46 \text{ m}^3$$

$$2 \times 150 \times 0.525 \times 0.10 = 15.75 \text{ m}^3$$

$$1 \times 8.0 \times 3.05 \times 0.10 = 2.44 \text{ m}^3$$

$$1 \times 11.0 \times 3.05 \times 0.10 = 3.35 \text{ m}^3$$

$$1 \times 9.0 \times 2.0 \times 0.10 = 1.80$$

$$1 \times 4.6 \times 2.0 \times 0.10 = 0.92 \text{ m}^3$$

$$1 \times 8.0 \times 0.75 \times 0.10 = 0.60 \text{ m}^3$$

$$1 \times 150 \times 4.05 \times 0.10 = 60.75 \text{ m}^3$$

$$\text{cc.} \quad 2 \times 150 \times 0.375 \times 0.10 = 11.25 \text{ m}^3$$

$$1 \times 12.5 \times 3.0 \times 0.10 = 3.75 \text{ m}^3$$

$$1 \times 7.6 \times 3.0 \times 0.10 = 2.28 \text{ m}^3$$

$$1 \times 4.8 \times 2.0 \times 0.10 = 0.96 \text{ m}^3$$

$$1 \times 12.0 \times 1.50 \times 0.10 = 1.80 \text{ m}^3$$

$$2 \times 5.0 \times 0.60 \times 0.10 = 0.60 \text{ m}^3$$

$$159.71 \text{ m}^3$$

(9) E/w in excavation for

(8) Pipe	1 x	4.85 x 1.53 x 0.365	= 2.71 M ³
			<u>29.80 M³</u>

(10) Providing PCC 15 grade
as levelling course in Pouda

HW	2 x	6.45 x 1.40 x 0.15	= 2.71 M ³
Pipe bed	1 x	4.93 x 1.53 x 0.25	= 1.89 M ³
			<u>4.60 M³</u>

(11) PCC M20 grade in Sub-Structure
- do - do - all comp job.

HW	2 x	6.15 x $\frac{1.25 + 0.40}{2}$ x 3.18	= 32.27 M ³
Parapet	2 x	6.15 x 0.40 x 0.60	= 2.95
			<u>35.22 M³</u>

Loss for pipe

$$2 \times \frac{\pi}{4} \times (1.23)^2 \times 0.622 = 1.48 M^3$$

Net qty = 33.74 M³

(12) Providing Laying RCC
Pipe nos of 1000 mm dia

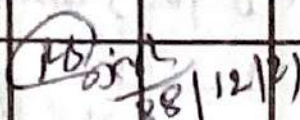
$$3 \times 2.50 = 7.50 M$$

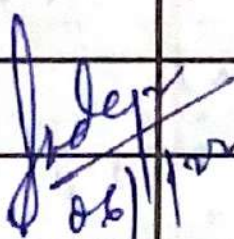
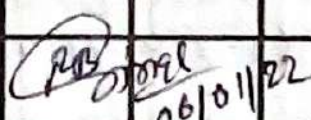
(13) Painting two coat on

Parapet including Primer coat

Top	2 x	6.15 x 0.40	= 4.92 M ²
	4 x	6.15 x 0.60	= 14.76 M ²
	4 x	0.40 x 0.60	= 0.96 M ²
			<u>20.64 M²</u>

(14) ...

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(15) Provide lay up Spreading					
△ Compact WB7-90 3					
	14	25.10	3.75	0.075	98.44M ³
	1	16.0	3.75	0.075	4.50M ³
					102.94M ³
 					
(16) Const of unreinforced					
C.C. Pavement M-30 grade					
	150	3.75	0.075		
	1	150	3.75	0.16	90.00M ³

(17) Provide & fixings Project					
Informatory Signboard					2.00 NO
(18) Const of Subgrade &					
earthen Shoulder - all comp.					
	2	216.0	1.388	0.20	119.90M ³
	2	150	0.375	0.10	11.25M ³
	2	150	0.375	0.075	8.44M ³
					139.59M ³
 					

Abstract of cost

(1) Providing & fixing WBM/

Ref. Peller.

(vide item 1P-1)

(a) benchmark

1100 NO @ Rs 4366 = 29/each Rs 4366200

(b) Ref. Peller

2100 NO @ 1992 = 94/each Rs 3986200

(2) clearing & grubbing road land

— do — all comp.

(vide item 2P-1)

0.26 HA @ Rs 51133 = 76/Ha Rs 13295200

(3) Dismantling of existing

structure c.c. works.

(vide item 3P-1)

19.06 M³ @ Rs 484 = 74/M³ - Rs 9240200

(4) excavation for roadway

in soil — do — all comp.

(vide item 4P-2)

27.00 M³ @ Rs 74 = 16/M³ - Rs 2002200

(5) Const. of embankment-work

deposited materials

(vide item 5P-2)

app. mat. Lead - 1000 m.			
(vide item 6A P-2)			
94.26 M ³ @ 188 = 05 / M ³ - B	173262 = w		
(7) Const of embankment with			
app. mat. Lead 1000 m			
(vide item 6B P-3)			
377.04 M ³ @ 157 = 24 / M ³ - B	59286 = w		
(8) Const of subgrade & earth			
Shoulder - do. all comp.			
152.97 M ³ (vide item 7 P-3)			
189.59 M ³ (vide item 18 P-5)			
292.56 M ³ @ 189 = 89 / M ³ - B	55554 = w		

(9) Const of G.S.B. gradings by			
providing well graded - comp.			
(vide item 8 P-3)			
159.71 M ³ @ 2737 = 87 / M ³ - B	437265 = w		
	839568 = w		
(10) Providing layer spreading			
- A compacting 45 M - 3			
(vide item 15 P-5)			
102.94 M ³ @ 3581 = 32 / M ³ - B	368661 = w		
	55954		
(11) Const of unreinforced c.c.			
Pavement - 150 grade - all comp.			
(vide item 16 P-5)			

(vide item 17P-5)

2.00 NO @ B 5570 = 10 / each B 19140 = 00

(13) Provide & Laying RCC Pipe

30

duct 300 mm dia

(vide item 14P-5)

20.00 M @ B 869 = 71 / each B 17394 = 20

(14)
31

Excavation for

foundation of structure

(vide item 9P-4)

29.80 M³ @ B 294 = 73 / M³ - B 8783 = 00

15/32 Provide PCC M15 grade

in open foundation

(vide item 10P-4)

4.60 M³ @ B 5414 = 89 / M³ - B 24908 = 00

16/33 PCC M20 grade in

sub-structure - all comp.

(vide item 11P-4)

33.74 M³ @ B 6191 = 40 / M³ - B 208897 = 00

17/34 Provide & Laying RCC Pipe

NPB of 1000 mm dia,

(vide item 12P-4)

7.50 M @ B 3588 = 42 / M - B 26913 = 00

18/35 Painting two coat over

a primer coat on new surface

(vide item 13P-4)

