

Name of Road - Pmasy se Panchayat Bhawan or
mahalalid Tola Shandhidip manghi ke
Ghar Hamandpur Tola
Schedule XLV-Form No. 134

Executive Engineer, R.W.D. Worka DIVISION

Sam p + c hall SUB-DIVISION

m/s Dhoneswas Nath con.

MB No - 7613

Measurement Book

7613

1.
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					
D C D work for P MGSy Se					
Panchayat bhawan or Mahadev					
Citi Talo chonelradip majk					
Ke Khan hemantpar Talo					
Tak					
Package NO - MR-M/23-24					
Agreement NO - 33 MMD/23-24					
Name of Agency M/L Dhameshwarnath					
Construction,					

Date of site - 19/5/23

Date of comp. 18/5/24

Date of measurement -

measurement.

(1) clearing & grubbing road land
by manual do-do-do

$$2 \times 10 \times 30 \times 1 = 60 \text{ m}^2$$

$$2 \times 1 \times 21.0 \times 1 = 42 \text{ m}^2$$

$$2 \times 5 \times 30 \times 1 = 300 \text{ m}^2$$

$$2 \times 1 \times 10.3 \times 1 = 20.6 \text{ m}^2$$

$$2 \times 9 \times 30 \times 1 = 540 \text{ m}^2$$

$$2 \times 7 \times 30 \times 1 = 420 \text{ m}^2$$

$$2 \times 1 \times 5 \times 1 = 10 \text{ m}^2$$

$$= 1932.6 \text{ m}^2$$

$$\text{Continuation } \frac{1932.6 \times 1}{10000}$$

$$= 0.19349$$



Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
(2/5) Providing & laying HH-4					
3000 g H.P. 45 do E/r					
	3	2.5			7.5 M
	3	2.5			7.5 M
					15 M.
(3/15) Plastering with cement mortar					
(1:3) on brick work in					
sub str do do E/r					
side face =	4	6	0.6		14.4 M ²
Top =	2	6	0.4		4.8 M ²
front face =	4	0.4	0.6		0.96 M ²
					20.16 M ²
					for 3000 c/c/m ² = 3 x 20.16 M ²
					= 60.48 M ²

(4/16) brick masonry work in					
cement mortar (1:3) in					
Parpet do do E/r					
	3	2	6	0.4	0.6
					8.64 M ²
(5/17) Painting two coats on					
new surfacing including					
prime coat do do E/r					
side face =	4	6	0.6		14.4 M ²
Top =	2	6	0.4		4.8 M ²
front face =	4	0.4	0.4		0.96 M ²
					20.16 M ²
					for 3000 c/c/m ² = 3 x 20.16
					= 60.48 M ²

Continuation

Particulars	Details of material measurement				Contents of work
	No.	L	B	D	
(b) construction of dry (concrete) canal (P.O. - M. - 15)					
— do — do — do					
1x	1.5x	0.8x	0.075 =		0.09 m ³
4x	3x2.70x		0.075 =		2.43 m ³
1x	2.1x	1.75x	0.075 =		0.275 m ³
1x	0.70x	0.90x	0.075 =		0.0472 "
3x	2.50x	1.50x	0.075 =		0.84 m ³
1x	15.0x	1.90x	0.075 =		2.187 m ³
1x	2.1x	1.75x	0.075 =		0.275 m ³
1x	1.50x	0.8x	0.075 =		0.09 m ³
1x	2.1x	0.9x	0.075 =		0.141 m ³
1x	1.50x	0.8x	0.075 =		0.09 m ³
1x	2.0x	2.1x	0.075 =		3.15 m ³
1x	2.1x	1.75x	0.075 =		0.275 m ³
1x	0.8x	0.9x	0.075 =		0.0472 "
1x	3.0x	1.50x	0.075 =		0.337 "
1x	2.5x	1.50x	0.075 =		0.281 "
1x	1.5x	0.8x	0.075 =		0.09 "
3x	2.7x	1.25x	0.075 =		0.759 "
1x	2.1x	1.75x	0.075 =		0.275 "
1x	3.0x	1.50x	0.075 =		0.337 "
1x	2.0x	2.2x	0.075 =		3.30 "
1x	5x	1.80x	0.075 =		0.615 "
1x	2.7x	1.90x	0.075 =		0.384 "
1x	5x	3.20x	0.075 =		1.20 "
1x	1.50x	0.8x	0.075 =		0.09 "

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
1 x 2.4 x 1.40 x 0.075 =					0.3064
1 x 2.1 x 1.75 x 0.075 =					0.275 "
1 x 3.0 x 1.50 x 0.075 =					0.337 "
1 x 2.4 x 1.70 x 0.075 =					0.306 "
1 x 0.9 x 0.7 x 0.075 =					0.472 "
4 x 3.0 x 2.7 x 0.075 =					2.43 "
1 x 2.5 x 1.50 x 0.075 =					0.281 "
1 x 3.5 x 1.95 x 0.075 =					0.511 "
1 x 3.5 x 1.20 x 0.075 =					0.315 "
1 x 2.10 x 1.75 x 0.075 =					0.27 "
1 x 0.80 x 1.50 x 0.075 =					0.094 "
1 x 5 x 2.20 x 0.075 =					0.825 "
1 x 7.0 x 2.30 x 0.075 =					1.207 "
1 x 5.0 x 3.0 x 0.075 =					1.125 "
1 x 1.50 x 1.0 x 0.075 =					0.112 "
1 x 3.20 x 1.20 x 0.075 =					0.288 "
1 x 2.40 x 1.70 x 0.075 =					0.306 "
1 x 5.0 x 2.2 x 0.075 =					0.825 "
					= 27.4716 "

(7/4) Construction of Pannel concrete

PCC M-30 grade - do do - D1					
1 x 30 x 6.85 + 4.0 + 4.7 + 4.8 x 0.1 =		3.75			14.59 "
1 x 30 x 3.75 x 0.10 =					11.25 "
1 x 30 x 3.75 + 4.3 + 4.7 + 4.8 x 0.1 =					13.31 "
1 x 30 x 4.8 + 5.8 + 5.6 x 0.1 =		4			16.2 "
1 x 30 x 5.6 + 4.8 + 3.75 x 0.1 =		3			14.14 "
1 x 30 x 3.75 + 4.8 x 0.1 =		3			12.825 "
4 x 30 x 3.75 x 0.1 =		2			45.0 "
1 x 11 x 3.75 + 7.3 x 0.1 =					6.07 "

Continuation

B.F 133.357

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$5 \times 30 \times 3.75 \times 0.1$				=	56.25 "
$1 \times 5.3 \times 3.75 + 8 + 3.2 \times 0.1$				=	3.52 "
$1 \times 30 \times 4.5 + 3.75 \times 0.1$				=	12.375 "
$1 \times 30 \times 4.5 + 6.5 + 4.5 \times 0.1$				=	15.49 "
$1 \times 30 \times 4.5 + 5.8 + 5.1 \times 0.1$				=	15.39 "
$1 \times 30 \times 5.1 + 5.8 + 3.75 \times 0.1$				=	14.64 "
$4 \times 30 \times 3.75 \times 0.1$				=	45 "
$1 \times 30 \times 3.75 + 4.5 \times 0.1$				=	12.37 "
$1 \times 14.2 \times 3.75 \times 0.1$				=	5.32 "
$1 \times 14.5 \times 4.8 + 4.5 \times 0.1$				=	6.74 "
$1 \times 30 \times 3.75 \times 0.1$				=	11.25 "
$1 \times 30 \times 3.75 + 5.3 \times 0.1$				=	13.57 "
$1 \times 30 \times 3.75 + 4.2 + 3.75 \times 0.1$				=	11.73 "
$4 \times 30 \times 3.75 \times 0.1$				=	45 "
$1 \times 5 \times 3.75 \times 0.1$				=	1.89 "
					40292
Done by <i>[Signature]</i> 20/8/20					
(8/14) P/F Logn of maintenance Project.					
is information sign board					
do do - 01					
		1	3	=	3ND
(9/13) P/L of nat- applied					
Thermoplastic compound 2.5					
mm Hink Road marking					
do do - 01					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D.	
2x 10x 30x 0.1				=	60 m ³
2x 5.2x 0.1				=	1.04 "
2x 5x 30x 0.1				=	30 "
2x 1x 5.3x 0.1				=	1.06 "
2x 9x 30x 0.1				=	54 "
2x 1x 20x 0.1				=	4 "
2x 1x 14.5x 0.1				=	2.9 "
2x 7x 30x 0.1				=	42 "
2x 1x 5.0x 0.1				=	1 "
					196 m ²

(10/5) construction of sub grade & earthen shoulder with approach

details as below.

2x 2x 30x 1.0 x 0.3	=	36.0 m ³
2x 1x 30x 1.0 + 0.9 x 0.3	=	17.1 "
2x 4x 30x 1.1 + 0.9 + 0.8 x 0.3	=	67.19 "
2x 1x 21.0 x 0.9 x 0.3	=	11.34 "
2x 5x 30x 1.2 + 1.1 + 1.0 x 0.3	=	99 "
2x 1x 30x 0.9 x 0.3	=	16.2 "
2x 2x 30x 0.8 x 0.3	=	28.8 "
2x 1x 30x 1.2 + 0.9 x 0.3	=	18.1 "
2x 1x 20x 0.5 x 0.3	=	6.0 "
2x 7x 30x 0.7 + 0.8 x 0.3	=	132.75 "
2x 1x 20x 0.8 + 0.9 x 0.3	=	7.8 "
2x 6x 30x 0.7 x 0.3	=	75.6 "
2x 1x 5x 0.9 x 0.3	=	27 "
		518.58 m ³

Continuation

Particulars	Details of actual measurements				Contents of area
	No.	L	B	D	
(11/6) P/L Reinforced cement concrete M-15 grade					
Kilometer stone - do - do					
	1	2			2 NO
(12/7) P/L RCC M-15 grade					
200mtr stone - do - do					
	1	4			4 NO
(13/8) Providing & fixing net					
reflected screen box					
- do - do - do					
(1) 600mm equilateral & triangular					
	1	4			4 NO
(11) 600mm circular					
	1	4			4 NO
(11) (600x450) rectangular					
	1	1			1 NO
(12)					
(14/11) P/L Boulder piles					
- do - do - do					
	1	32			32 NO

Continuation

Done Self
6/10/20

~~Supdyo~~
~~6/10/2023~~
~~AE~~

materials strength-

$$\begin{aligned} 1) \text{ Fill} &= 518.58 \text{ m}^3 \\ 2) \text{ Stone} &= 388.25 \text{ m}^3 \\ 3) \text{ Concrete} &= 194.125 \text{ m}^3 \end{aligned}$$

Seigniorage fee

(1) $F/W = 518.58 \times 0.433/m^2 = 17113 = \infty$

(2) 20 mm = 232.95 x 10³ / 207.74 = 1121.28

0) ¹⁹⁹ 10 mm = 116. 47 x 6595. 16/N² = 69318/2

(4) Coarse sand = $\frac{194125 \times 577.9}{112185} = 1000$

(3) Brick = $4320 \times 0.53 / \sqrt{2896}$
= 502860

10 y. of Coiniorge fee = 50286.20



Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Adjust of cost					
(11) clearing & grubbing Road					
land by manual	do	do	do	8'	
0.193 Hq	VRM B (P at 1)				
Rs 75573 = 84/Hq					Rs 14586
(12) S/F & Placing M 4' 300mm					
dig	H.P	do	do	c/c	
15.0 M	VRM B (P at 2/3)				
Rs 822 = 0.3/RM					Rs 12330
(13) plastering with cement mortar					
(1:4) on brick work work					
do do	1'				
60.48 m ²	VRM B (P at 3/4)				
Rs 193 = 3/m ²					Rs 11691
(14) Brick masonry work in					
cement mortar (1:3)	do				
do	c/c				
8.6 m ³	VRM B (P at 4/10)				
Rs 663607/m ³					Rs 57070
(15) Painting Two coats on					
new concrete surface					
do	do	do	do	c/c	
60.98 m ²	VRM B (P at 5/12)				
Rs 137 = 83/m ²					Rs 8336
					Rs 104030

Continuation

Rs. 1040132

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				$\frac{P}{4}$	104013
				B.F.	104013
(6/3) construction of dry lean cement concrete (PCC-m-11)					
do do E/L					
27.4716 M ² UTM B ($\frac{P}{4}$ at $\frac{6}{3}$)					
@ Rs 4619 = 561 M ³				B	126907
(7/4) construction of Pannel concrete (PCC-m-30) do					
do do E/L					
403 A2 M ³ UTM B ($\frac{P}{5}$ at $\frac{7}{4}$)					
at 374.89					
344.55 M ³ @ Rs 8987 = 00				B	336877A
					3630029200
(8/14) P/f Logo of maintenance Project & Information					
sign board do do E/L					
3 NO UTM B ($\frac{P}{5}$ at $\frac{8}{14}$)					
@ Rs 11082 = 75/NO				B	3324800
(9/13) P/L not applied thermoplastic compound 25 mm thick					
Road marking do do E/L					
196 M ² UTM B ($\frac{P}{6}$ at $\frac{9}{13}$)					
@ Rs 935 = 96 M ²				B	1833300
(10/5) construction of subgrade					
2 eqn shoulder do do E/L					
578.58 M ³ UTM B ($\frac{P}{10}$ at $\frac{10}{5}$)					
Continuation					
@ Rs 271 = 53 M ³				B	14081020
					42,18,337
					Rs 13957085

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11/6) P/L Rce m-15 grade k/0 meter					
stone - do - do - cl					
2ND 47m B (P at 11)					
ER 2972270/NO - B					5945.20
(12/7) P/L Rce m-15 grade					
200 m stone - do - do					
81					
04NO 47m B (P at 12)					
ER 833282/NO - B					3335.20
(13) Providing a fixing net					
reflectors of single bond					
do - do - 81					
(1) 600mm equilateral triangular					
4NO 47m B (P at 13(1))					
ER 407923/NO - B					16317.20
(11) 600mm circular					
4NO 47m B (P at 13(11))					
ER 551428/NO - B					22059.20
(11) (600x450)mm rectangular					
1NO 47m B (P at 13(11))					
ER 536728/NO - B					5368.20
(14/11) P/L Boundary Pillar					
do - do - 81					
32NO 47m B (P at 14)					
Continuation					
ER 676264/NO - B					21652.20
					42,93,013.20
					4,40,31,761.20

Continuation