

Muraadin Tatabanah road to
Reari Nerka to 13 (S.C)

Measurement Book

Schedule XLV-Form No. 134

Agreement No. - 38-SRD of 20-21 dt 05/06/2020

Baogha-2

DIVISION

Bhufcha.

SUB-DIVISION

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.	Muralidh Jatsandh road				
	to Rehari Naree to 19				
Agency:	M/s Om Shri Sai Construction				
	Rannagar, West Champaran				
Agreement NO.:	38 SBD of 20-21				
Agreement Amount =	Rs 11045369200				
Date of start :	09/06/2020				
Date of completion.	08/06/2021				
Record measurement					

1 Construction of working					
Bench mark					1.18 km
2 Construction of reference pillar					1.18 km
3 clearing and grading road					
level of					
	2X	35X	20.00X	1.50	3510 m ²
	2X	1X	10.00X	1.50	30 m ²
				Total =	3540 m ²
				Say =	0.25 Hq
4 Construction of embankment					
	39X	30.00X	$\left(\frac{6+8}{2} - \frac{3.5+5.5}{2}\right)$	X 0.22	973.44 m ²
	1X	10.00X	$\left(\frac{6+8.2}{2} - \frac{3.5+5.2}{2}\right)$	X 0.20	8.45 m ²
				Total =	981.69 m ²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Construction of embankment with					
with lead up to 1000 m					
(30% of total)					294.57 m ²
Construction of embankment					
with lead up to 100 m					687.18 "
(70% of total)					
providing and fixing masonry					
informing sign board					2 nos
providing and fixing masonry					
board					2 nos
Alpesh Kumar					
15/06/2020					
AK					

Revised manner

Box Culvert (4nos)
(1M X 1M)

! Earth work in excavation in front					
Rftt	1.50 X 5.40 X 0.51				4.13 m ³
C/w (below Rftt)	2 X 1.50 X 0.50 X 1.80				2.70 "
R/w	4 X 2.00 X 0.50 X 1.80				7.20 "
Site clearance & leveling					1.79 "
Total					15.82 m ³

2. Sand filling in foundation

Rftt	5.40 X 1.50 X 0.15				1.21 m ³
C/w	2 X 1.50 X 0.50 X 0.12				0.18 "
Total					1.39 m ³

Reward measurement

HYSD bar in c/w mark

Cal up to bed level	10mm
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phi sn

125					
125	2 x 2 x 8 x	1.80			= 48.00 m
125					

10 mm of soil up to 56s

lent in man's ear of

Re

100					
250	4	2	9	$\times 2.70$	$= 194.40$
75					

10 mm für M distribution

Low up to bed level c/w

440

$$2 \times 2 \times 6 \times 5.50 = 132.00 \text{ m}$$

Distribution of salt in NW

10 mm ϕ up to 15 above

East Kent

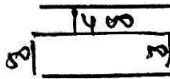
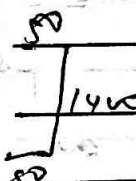
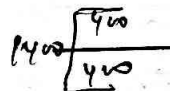
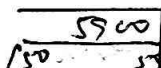
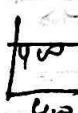
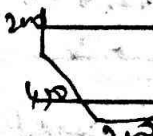
$$4 \times 2 \times 6 \times 2.25 = 108.00$$

Chair car

16			$2 \times 4 \times 1.20 = 9.6 \text{ m}$	
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Continuation

Alfred L.
19/06/20

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Record Measurement</u>					
10 mm ϕ					
1 Supplying, fitting and placing					
HYSD bar reinforced in					
Right end Slab main bar					
10 mm ϕ bar					
4 X 38 X 1.50					228.00 m
					
10 mm ϕ bar in Asutim					
Inner side					
					
2 X 38 X 1.50					214.00 m
10 mm ϕ bar in Asutim					
Outer side					
					
2 X 38 X 2.20					167.20 m
					
Distribution bar					
in Right end Slab					
8 X 8 X 6.00					384.00 m
10 mm ϕ bar in Angle					
bar connecting to Asutim					
and R.H.					
					
2 X 38 X 0.80					60.80 m
					
Angle bar connecting					
to Asutim and slab					
10 mm ϕ bar					
2 X 38 X 0.80					60.80 m
					
10 mm ϕ bar in Hatch					
4 X 38 X 0.85					129.20 m
2 providing R.C.C. at 25					
Concrete in					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Roff =	1X	6.00	1.50	0.21	1.89 m ²
C/w (Below Roff)	2X	1.50	0.30	1.14	1.03 "
R/w (up to level)	4X	2.00	0.20	1.35	3.24 "
			Total		6.16 m ²

Revised bill
25/06/2020

Second measurement

1 providing R.C.C. M25 in

Box Culvert

In Asunder: 2X 6.00 X 0.25 X 1.00 = 3.00 m²

In R/w 4X 2.00 X 0.20 X 1.21 = 2.80 m²

Wentch = 4X $\frac{1}{2}$ X 6.00 X 0.15 X 0.15 = 0.27 "

Total = 6.17 m²

2 Supplying, fitting and
placing HYSD bar in

Parapet 10mm ϕ bar

750 | 2X 2X 8 X 1.00 = 32.00 m
250

Distribution bar 10mm ϕ

bar in parapet

1400 | 2X 2X 4 X 1.50 = 24.00 m
150 150

over cut 14 X 0.40 = 5.60 m²

2 providing weep hole = 10 m²

Total length of 10mm ϕ bar = 1750.00

Revised bill

26/06/2020 Continuation

Particulars	Details of actual measurement				Contents of area	
	No.	L.	B.	D.		
<u>Revised measurement</u>						
↓ providing R.C.C 125 mm						
Deck slabs	1X	6.00	1.50	0.21	1.89 m ³	
Parapet	2X	1.50	0.25	0.60	0.45 m ³	
				Total	= 2.34 m ³	
3 Back filling behind Asutmt						
	2X	5.40	0.60	1.21	7.80 m ³	
3 Excavation for way						
	2X	3X	30.00	0.375	0.100	6.75 m ³
	2X	1X	15.00	0.375	0.100	1.13 "
			Total		7.88 m ³	
Revised						
4 Construction of subgrade and earthen shoulder						
	26X	30.00	7.48	0.32	1867.00 m ³	
Revised						
29/06/2020						
<u>Revised measurement</u>						
↓ Construction of granular sub-base						
In subgrade	2X	3X	30.00	0.375	0.100	6.75 m ³
	2X	1X	15.00	0.375	0.100	1.13 "
In earthen pcc	9X	30.00	3.75	0.100	101.25 "	
	26X	30.00	9.00	0.200	652.00 "	
			Total		761.18 m ³	

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
less length of column					
1 X 100 X 4.050 X 0.20					0.81
Total					760.37 m ²
Port landing & Repair	5 X 8.00 X 1.60 X 0.10				6.40 m ²
Total					766.77 m ²
Accepted by					
07/07/2008					
PC					
Revised measurement					
+ providing, laying and spreading 1015 mm - G.M.B.					
15 X 3000 X 275 X 0.075					126.56 m ²
Accepted by					
12/08/2008					
PC					
Material Statement					
1 Earth work					2548.63 m ³ (1.71/m ²)
2 Stone metal					797.224 m ³ (516.44/m ²)
3 Crushed sand					276.037 m ³ (188.4/m ²)
4 Stone screening					20.374 m ³ (245.54/m ²)
5 Earth work below					7.20 m ³ (1.71/m ²)
6 Stone chips					13.888 m ³ (550.85/m ²)
7 Coarse sand					8.405 m ³ (614.17/m ²)
8 Cement					6.159 t (5002.4/t)
Accepted by					
12/08/2008					
Continuation					

Abstract of Cost

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 Construction of reference survey					
Bench mark vide TMD page					
no 1 = 1.18 km @ Rs 11721.38					
per km				Rs	13831.00
2 Construction of reference					
pillar vide TMD page no.					
1 = 1.18 km @ Rs 13060.82/km				Rs	15412.00
3 Clearing and grading					
road land vide TMD page					
nos 1 & 2 = 140.35 Hq @ Rs 51133.26					
per Hq				Rs	17897.00
4 Construction of embankment					
vide TMD page 2 = 294.51 m					
@ Rs. 202.52/m ²				Rs	59644.00
5 Construction of subgrade					
earthen shoulder vide TMD					
page no 6 = 1867.00 m ² @					
Rs 204.16/m ²				Rs	381167.00
6 Construction of embankment					
lead up to 100 m vide TMD					
page no. 2 = 687.18 m @					
Rs 162.41/m ²				Rs	115041.00
7 Excavation for roadway					
vide TMD page no 6 = 7.88 m ²					
@ Rs. 74.16/m ²				Rs	584.00

Total Rs 603576.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
8 Const of granular sub-base					
vide TMS page no 7 = 766.77 m ²					
@ Rs 3725.86/m ²					Rs 2856878.20
9 Providing, laying, spreading and compacting 150mm Grit					
vide TMS page no 7 = 126.58 m ²					
@ Rs. 4562.37/m ²					Rs 577414.20
10 Providing and fixing typing					
MMGSY board vide TMS					
page no 2 = 2200 @ Rs. 11731.49					
per board					Rs 234632.00
11 Providing and fixing					

Maintenance board vide TMS

page no 2 = 2 @ Rs. 11731.49 / each

Rs 234632.00

12 Earth work in excavation

vide TMS page no 2 = 15.82 m²@ Rs 26932/m²

Rs 426120.00

13 Sand filling in foundation

vide TMS page no 2 = 1.39 m²@ Rs. 40055/m²

Rs. 5572.00

14 Providing R.C.C M15 vide

TMS page no. 3 = 0.89 m² @Rs. 687713/m²

Rs 61212.00

15 Providing R.C.C M25 vide

TMS page no 5 = 6.16 m² vide

TMS page no 5 = 6.17 " vide

TMS page no 6 = 2.34 "

Total = 14.67 m²

Continuation

Total Rs.

4095733.20

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Restricted to 14.64 m ² @					
Rs. 847358/m ²					Rs. 12405320
$\frac{16}{40}$ Back Alley behind abutment					
Wide TMB pipe = 6 = 7.80					
Restricted to 720 m ² @ Rs.					
3559252/m ²					Rs. 2562920
$\frac{17}{41}$ Providing wrap holes wide					
TMB pipe = 5 = 10 m ² @					
Rs. 83211/Run					Rs. 83120
$\frac{18}{43}$ Providing					
Supply fitting and					
Placing H/S D on work					
TMB pipe = 5 = 1250 m ²					
@ 0.61764/m ² = 1079.7568					
= 1.08 m ² @ Rs. 4638920					
per m ²					Rs. 5006920
				Total	Rs. 429631520
Add 12% GST					Rs. 51555820
Add 1% Cess					Rs. 4296320
Add Seigniorage Fee				Rs.	5119520
				Total	Rs. 490603120
less 0.25% per agreement				Rs.	1226520
Net payable Amount				Rs.	489376620
Accepted by					
12/08/20					
Dr					