

State Scheme Canal of RCC Culvert of 2x6m
on Span in L-55 to Garbaya Road.

NEIBARD

Schedule XLV-Form No. 134 (10% below)

25.38390 lakh

Rwd (w) div. Shorghati **DIVISION**

Dohri **SUB-DIVISION**

Agency -- Manish Singh

MEASUREMENT BOOK

1145

Ag No. 81500/19-20

18.2.20

17.8.2020

~~Straight 2.8 x 16.70m = 467.60m~~

~~Chalk:- 2.8 x 17.58m = 492.24m~~

@ 2.47 kg/m $\frac{959.84m}{2}$

D/S bars:- 16mm

110 x 8.25m = 907.50m

@ 1.58 kg/m $\frac{1433.85kg}{2}$

Top Members:- 12mm

56 x 16.70m = 935.20m

@ 0.89 kg/m $\frac{832.33kg}{2}$

D/S bars:- 10mm

110 x 8.25m = 907.50m

Bottom Chalk:- 47 x 8.25m = 387.75m

1295.25m

@ 0.62 kg/m $\frac{803.06kg}{2}$

Grand Total:- 5440.04kg

Name of Agency - Manish Singh,
at - Anantnaga Muttasol, Anantnaga,
District Gaya

AG No - 815BD/19-20.

Date of Work order - 18-2-2022

Date of completion - 17-8-2022

Date of measurement - 21/5/22

1. Dismantling of Structure.

Dismantling of existing structure
like Culverts.

Reinforced cement concrete - By
manual means -

Top Slab: - $1 \times 12.70 \times 7.50 \times 0.20 = 19.05 \text{ m}^3$

Less previous damage: -

$1 \times 4.0 \text{ m} \times 2.50 \text{ m} \times 0.20 \text{ m} = 2.0 \text{ m}^3$

$1 \times 3.50 \text{ m} \times 3.0 \times 0.20 \text{ m} = 2.10 \text{ m}^3$

Abstract of Cost

1/1. Dismantling of
existing structure line

Culvert masonry 20 cm.

concrete etc. as per sp14

Quantity vide Page (5) - 14.85

@ RS. 1127.08/m³ RS. 16850:-

2/2. Dismantling of
existing structure, abutment

work with 10 cm. Quantity

vide Page (5) - 55.16 m³

@ RS. 332.96/m³ RS. 18699:-

3/3. Earth work in EXIST.

for foundⁿ of structures

per sp14. Quantity vide Page (5)

263.56 m³ @ RS. 285.17/m³ RS. 75159:-

4/4. Providing plain concrete

for foundⁿ of structures

sp14. Quantity vide Page (5)

27.90 m³ @ RS. 432.11/m³ RS. 12055.6

5/5. Providing plain

concrete in open

foundⁿ of structures

Page (6), 144.79 m³

@ RS. 4230.31/m³ RS. 612507:-

C. RS. 843771:-

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Co of area
	No.	L.	B	D.	
<u>Abstract of CS</u>					
1/1. Dismantling of existing structure like culvert bridge etc. as per Reinforcement Cement concrete by manual means. Quantity vide Page-(1). $14.95 m^3$					
@ RS. 1127.00 / m ³ RS 16850					
2/2. Dismantling of existing structures as brick work with cement mortar as per sp ^{ts}					
Quantity vide Page-(2)					
$56.16 m^3$ @ RS. 332.96 / m ³ RS. 18699.					
3/3. Earth work in excavation for foundation of structure as per sp ^{ts}					
Quantity vide Page-(2)					
$263.56 m^3$ @ RS. 285.17 / m ³ RS. 75159.					
4/4. Pour Plain concrete M10 in formwork with nominal mix (1:3:6) as per sp ^{ts}					
Quantity vide Page-(2), $27.90 m^3$					
@ RS. 4321 / m ³ RS. 120556.					
C. RS. 231264.					

2nd and Record Measurement

Name of work: construction
of R.C.C. Culvert of 2x6m
span in 1055 to Garbeya
Road under Dabhi Block
under state scheme.

Name of Agency - Manish Singh
at amritahana, Multa Sela
District Garbha.

AGNO - 81580/19-20.

Date of work order 18/2/20

Date of completion - 17/8/20

Date of measurement - 15/7/20

1. Providing plain concrete

Continued.

P.C.C. in Substructure
 as per drawing and
 technical sp^{hy}

Abut: - $2 \times 8.50 \text{ m} \times 1.75 \text{ m} \times 8.50 \text{ m} = 14.38 \text{ m}^3$

Pier: - $1 \times 8.50 \text{ m} \times 1.30 \text{ m} \times 8.50 \text{ m} = 25.50 \text{ m}^3$

R/W: - $4 \times 3.96 \times 2 + 1.37 \text{ m} \times 3.35 \text{ m} = 89.40 \text{ m}^3$

Floor: - $1 \times 8.5 \times (6 - 4.25) \times 0.50 = 7.49 \text{ m}^3$

: $1 \times 8.5 \times 6.0 \text{ m} \times 0.50 \text{ m} = 25.50 \text{ m}^3$

Less quantity of concrete (-) 138.31 m^3

84.43 m³

2. Supplying, fitting and placing
 T.M.T. bar reinforcement

More in Substructure as per

sp^{hy}: as per Cap, Abutment Cap,

Drift Wall etc as per sp^{hy}.

Main bar 12mm φ: -

in Abut: - $2 \times 2 \times 12 \times 9 \text{ m} = 648 \text{ m}$

Pier: - $2 \times 12 \times 9 \text{ m} = 216 \text{ m}$

@ 0.89 kg/m $\frac{864 \text{ m}}{2} = 768.96 \text{ kg}$

Drift Wall: 10mm φ: -

$2 \times 55 \times 0.98 \text{ m} = 107.80 \text{ m}$

@ 0.62 kg/m $\frac{107.80 \text{ m}}{2} = 66.84 \text{ kg}$

Stirrups: - 8mm φ: -

$2 \times 48 \times 4.10 \text{ m} = 393.60 \text{ m}$

Pier: - $1 \times 48 \times 3.10 \text{ m} = 148.80 \text{ m}$

@ 0.39 kg/m $\frac{542.40 \text{ m}}{2} = 211.54 \text{ kg}$

Lat on a/c bill

7

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Received Allotment from R.R.D.					
vide letter no. 39/Genl dt 29/05/2020					
Rs. 20,00,000/-					
Memo of Payment for					
By S.D 8% - Rs. 1,18,328/-					
By IT 1% - Rs. 14,791/-					
By L.C 1% - Rs. 14,791/-					
By C.S.T 1% - Rs. 14,791/-					
By S.C.S.T 1% - Rs. 14,791/-					
By Govt (MD) - Rs. 7,282/-					
By C.P. 1% - Rs. 13,939/-					
By Cheque - Rs. 1,60,526/-					
Total					
Rs. 14,79,099/-					
Pays for Rs. 14,79,099/- (Fifteen lacs seventy nine thousand ninety nine) only					
By R.R.D.					
10/06/2020					
Executive Engineer					
R.W.D (W) Division					
Sherghat					
10/06/2020					

Drawing and technical
Sp^h.

Slab. - $2 \times 6.86m \times 8.0 \times 0.15 = 49.36$

2. Providing Weep holes

Plain Concrete Abutments

Wing wall and R/W etc.

as per sp^h - - - - - $1 \times 40 - 40 \text{ No}$

3. Drainage Spouts

Complete as per drawing
and technical sp^h

$1 \times 2 \text{ No} - 2 \text{ No.}$

4. Construction of
R.C.C. railing of M25

grade to cast in situ

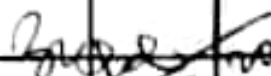
with 20mm Nominal size

aggregates as per sp^h.

$2 \times 13.0m = 26m.$

Limit of - 17.20m.


1/8/20
J.E.


01.8.20

6. Providing plain concrete

P.C.C. MIS in sub structure

as per drawing and spec

$$\text{Abut: } 1 \times 8.50 \times 1.75 \times 1.10 = 16.36 \text{ m}^3$$

$$1 \times 8.50 \times 1.75 \times 2.0 = 29.75 \text{ m}^3$$

$$\text{Pier: } 1 \times 8.50 \times 1.20 \times 1.10 = 11.22 \text{ m}^3$$

$$57.33 \text{ m}^3$$

21/5/20

21/5/20

g.c.

21/5/20

Ad

1st on bill

Name of work: - Construction
of R.C.C. Culvert of 2x6.0m
Span in Ross to Garbaga
Road under Dobhi Block under
State Scheme.

Name of Agency: - Manish Singh
at Amritnagar, Mulla Selamari,
District: Gonda.

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
(B) Cement Mortar:-					
Abutment:-	2	7.50	0.50	2.70	20.25 m ³
Box:-	4	7.50	0.25	2.70	20.25 m ³
Wing Wall:-	4	2.90	0.50	2.70	15.66 m ³
					56.16 m ³

3. Earth work in excavation for foundation of structure upto 3m depth as per sp ^h .					
Abut:-	2	9.0m	3.91m	2.0	140.76 m ³
R/W:-	4	3.40m	3.5	2.0	95.20 m ³
Pier:-	1	9.0	2.20	2.0	39.60 m ³
					275.56 m ³
Unconfined:-					203.96 m ³
4. Providing plain concrete					

as per drawing and technical sp ^h . M10 (1:3:6)					
Abut:-	2	8.70	3.75	0.20	13.05 m ³
R/W:-	4	3.54	3.40	0.20	9.63 m ³
Pier:-	1	8.70	2.0	0.30	5.22 m ³
					27.90 m ³

5. Providing plain concrete M15 nominal mix (1:2:5:5) in foundation as per sp ^h .					
Abut:-	2	8.70 + 8.50	3.0 + 1.75	1.80	20.2

12/12. Drainage Spent Compas

as per of 04cm by wide

Ref - 021 - 2 no

Q.S. 1036.08/each Rs. 2072:

13/13. Construction of

RCC railing of

M25 grade in Cast

Side with 20mm nominal

Size aggregate true

to line and grade

Tolerance of 40mm

railing as per drawing

Qty. 240/793

18
Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contract of area
	No	L	B	D	
and Sp ^h Bhamon					2404733
Width - (12) - 17.20m					
Q.R.S. 2352.5 H/M					RS. 40464=0
					RS. 2445257
Add 1.1. Labour cost					- Rs. 24,453=
Add 12.1. G.S.T					- Rs. 293431=
					RS. 2763141=
Less 10.1. Balance					RS. 2,76,314=
					RS. 24,86,827=
Less Previous Payment					Rs. 14,79,933
					RS. 10,07,728=
11820					118
T.E.					

Cap.
Pay to bill (100%)

Material Statement
Material from 181 on Bill
upto 2nd and Final Bill.
1. Chips: 345.67m³
2. Sand: 390.92m³
1/1