

Agency - R.K. Construction

BARU DAUDNagar to Azad Bighna.

~~Baru Daud Nagar to Azad Bighna~~

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10/28021

Certified That this M.B. Contain (100)
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To Sri. Yadavendra Yadav A.E-R.W.D
Work Sub Division BARUN

Yadavendra
10/1/20

Executive engineer

Rural Works Division, at

Works Division, Aurangabad

[Signature]
10/1/20

Schedule ELY - Form No. 134.

EE A. Bhat OVERSEER

A.E. Barun SUB-DIVISION

MEASUREMENT BOOK

2802

211632

Name of officer

Sri Yadavendra Yadav

A.E. Barun

Date of first entry

Date of last entry

दिनांक प्रथम प्रवेश, मिति :

MMUSY

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.	
Test & A/C Bill					
Name of Works -					
Const. of Road from Barun					
cland Nagar Path to Azad					
Biglu.					
Head- MMUSY.					
Name of Agency - R. K Const.					
New Area By Pass Chowk					
Aurangabad.					
Agreement No - 91580/20-21					
Agreement Rate - 10% below					
of B.O.G. Rate.					

Agreement value - 102,886/5-00
Part - A

Date of work start - 18-07-20

Date of Comp. - 17-07-21

Date of measurement
25-07-20

(1) Providing & fixing of
working bench mark pillar
Qty = 2.0 Nos.

(2) Reference pillar -
Qty = 7.0 Nos.

(3) Cleaning & Rubbing
Road level -

Continuation

P.T-0

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
2x23 No x 30.0 x 3.50					= 4830.0 m ²
2 x 1 No x 10.0 x 3.50					= 70.0 m ²
2 x 10 No x 30.0 x 3.50					= 2100.0 m ²
2 x 8 No x 30.0 x 3.50					= 1680.0 m ²
2 x 1 No x 10.0 x 3.50					= 70.0 m ²
2 x 10 No x 30.0 x 3.0					= 1800.0 m ²
2 x 7 No x 30.0 x 3.50					= 1470.0 m ²
2 x 1 No x 15.0 x 3.50					= 105.0 m ²
Total					= 12125.0 m ²
Surf					= 1.21 Hec.

④ Providing & Fixing

Logo of Project

Qty = 2.0 Nos. 25.07.2020 J.C.

Date of measurement
06-11-2020

① Dismantling of existing

Structure like R.C

2 No x 3.50 x 1.10 x 0.15 = 1.155 m³

1 No x 3.50 x 1.50 x 0.15 = 0.787 m³
= 1.942 m³

② Dismantling of Existing

Structure like Brick

masonry

2 No x 2 x 4.20 x 0.825 x 2.50 = 34.66 m³

1 No x 2 x 6.20 x 0.825 x 3.0 = 30.69 m³
= 65.35 m³

③ Dismantling of Existing

H.P.C. up to 6 m

Qty = 2 x 7.50 = 15.0 m

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(4) dismantling of existing H.P.C. up to 600 mm to 900 mm					
$1 \times 5.0 = 5.0 \text{ m}^3$					
Ramji					
06.11.20					
J.E.					
12.11.20 06.11.20 AM					
Date of measurement - 12.11					
Culvert No. 1 at Ch. 25.0 mtr.					
Construction of H.P.C. 600 mm p.					
(1) Earth work in excavation in foundation of structure up to 300 mm					
$H.W. = 4.25 \times 1.20 \times 1.40 = 7.22$					
$R = 4.25 \times 1.10 \times 1.40 = 6.54$					
Below Pipe - $1 \times 5.350 \times 1.130 \times 0.360 = 2.176$					
Total = 15.94 m ³					
(2) Providing M15 P.C.C. in foundation					
H.W. L/S - $4.30 \times 1.20 \times 0.150 = 0.77$					
R/S - $4.25 \times 1.10 \times 0.150 = 0.70$					
Below Pipe $1 \times 5.30 \times 1.180 \times 0.200 = 1.197$					
Total = 2.672 m ³					
Ramji					
12.11.2020					
J.E.					
12.11.20 12.11.20 AM					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
Date of measurement					
17-11-2020					

③ P.C.C m² in

Substructure - over

$$\text{H.W.} = 1 \text{ No} \times 4.24 \times (1.0 + 0.50) \times 1.30$$

$$2 = 4.1925 \text{ m}^3$$

$$\text{RIS} = 1 \text{ No} \times 4.25 \times (1.0 + 0.55) \times 1.30$$

$$2 = 4.281 \text{ m}^3$$

Parapet -

UL to RL -

$$1 \times 4.25 \times 0.55 \times 1.30 = 3.038 \text{ m}^3$$

$$1 \times 4.30 \times 0.50 \times 1.30 = 2.795 \text{ m}^3$$

$$\text{Parapet} = 28.75 \times 0.45 \times 0.80 = 2.70 \text{ m}^3$$

less for pipe -

$$2 \times \frac{\pi}{4} \times (0.83)^2 \times 0.530 = 0.574 \text{ m}^3$$

$$= 16.379 \text{ m}^3$$

④ Providing & laying

N.P.3 for H.P.C - 6wp.

$$\text{Qty} = 8 \times 2.50 = 7.50 \text{ m}.$$

Rowan

17-11-20
JRS

17-11-20
HRS, Boreddy

Date of measurement

19-11-2020

Sch. XLV-Form No. 134 J7 5

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
① Earth work in excavation					
in foundation - all					
2nd No. H.P.C. 600					
L/S - 2.90 x 2.41 = 6.98m ²					
1 No x 3.90 x 1.0 x 1.45 = 6.220m ³					
R/S					
1 No x 4.10 x 1.10 x 1.45 = 6.539m ³					
Below pipe					
1 No x 5.30 x 1.10 x 0.250 = 1.49m ³					
Total = 14.299m ³					

② P.C.C. M15 (1:2:5:5)					
in foundation - all					
L/S - 3.90 x 1.10 x 0.150 = 0.643m ³					
R/S - 4.10 x 1.10 x 0.150 = 0.676m ³					
Below pipe					
1 No x 5.30 x 1.10 x 0.220 = 1.192m ³					
Total = 2.516m ³					

Ramby
19-11-20
Jt
Date of measurement
26-11-2020

③ P.C.C. M20 in Substreet					
W.C. - all					
W.L. to R.L.					
L/S					
1 No x 3.75 x (1.0 + 0.50) x 1.00 = 2.812m ³					
R/S					
1 No x 4.05 x (1.0 + 0.55) x 1.00 = 3.138m ³					
W.L. to R.L.					
1 x 3.75 x 0.50 x 1.30 = 2.437m ³					
1 x 4.05 x 0.55 x 1.30 = 2.895m ³					
1 x 3.75 x 0.50 x 0.75 = 1.406m ³					
Parapet - all					
Continuation					
1 x 4.05 x 0.50 x 1.10 = 2.22m ³					
less for pipe					
2 x 1/4 x 0.830 x 0.530 = 0.574m ³					
Total = 14.334m ³					

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	

Date of measurement
08.12.2020

(3) P.C. M20 in sub.

- Structure - - - - -

$$1 \text{ No} \times 3.65 \times \frac{(1.0 + 0.55)}{2} \times 1.20 = 3.394 \text{ m}^3$$

$$1 \text{ No} \times 3.80 \times \frac{(1.0 + 0.55)}{2} \times 1.20 = 3.539 \text{ m}^3$$

UTZ to RL

$$1 \text{ No} \times 3.65 \times 0.55 \times 1.20 = 2.60 \text{ m}^3$$

$$1 \text{ No} \times 3.80 \times 0.55 \times 1.20 = 2.719 \text{ m}^3$$

perimeter -

$$3.65 \times 0.55 \times 1.20 = 2.409 \text{ m}^3$$

$$3.80 \times 0.55 \times 1.20 = 2.506 \text{ m}^3$$

Less for pipe -

$$2 \times \frac{\pi}{4} \times (0.830)^2 \times 0.530 = 0.574 \text{ m}^3$$

$$\text{Total} = 16.588 \text{ m}^3$$

(4) Providing & laying

R.C.C pipe NP-3 - 600mm.

$$3 \text{ No} \times 2.50 = 7.50 \text{ m}.$$

Ranjan

08.12.2020

J.T.

08.12.20

At 6, Baram

Continuation

Date of measurement

15-12-2020

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Particulars	Details of actual measurement			Contents of area
	P. No.	L	B	

Const. of H.P.C. - 1000 mm.
at C.H. - 1200 mm.

① Earth work in excavation

for foundation

~ ~ ~ ~ ~

$$H.W. 2 \times 4.10 \times 1.20 \times 1.50 = 14.76 m^3$$

Before pipe

$$1 \times 5.350 \times 1.130 \times 0.360 = 2.176 m^3$$

$$= 16.93 m^3$$

② Forming M.S. pipe

(1.2.5.5) as leveling

~ ~ ~ ~ ~

$$H.W. 2 \times 3.90 \times 1.150 \times 0.150 = 1.34 m^3$$

$$Below 1 \times 5.30 \times 1.130 \times 0.250 = 1.50 m^3$$

$$Total = 2.84 m^3$$

Range

15-12-2020

Jt.

15-12-20
MR

Date of measurement

22-12-2020

③ P.C.C M20 in substructure

~ ~ ~ ~ ~

$$1.10 \times 3.30 \times (1.0 + 0.50) \times 1.15 = 3.36 m^3$$

$$1.10 \times 3.30 \times (1.0 + 0.50) \times 1.15 = 3.27 m^3$$

U.L to R.L

$$1.10 \times 3.70 \times 0.40 \times 1.30 = 2.55 m^3$$

$$1.10 \times 3.80 \times 0.50 \times 1.30 = 2.47 m^3$$

Parapet

$$2 \times (3.90 + 3.80) \times 0.40 \times 1.2 = 3.62 m^3$$

$$1.49 m^3$$

$$2 \times \frac{\pi}{4} \times (0.830)^2 \times 0.530 = 0.574 m^3$$

$$= 14.986 m^3$$

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
④ Reinforcing laying R.I.C NPS for H.P.C 600mmφ					
3 No x 2.50 = 7.50m.					
Ramby 22.12.2020 J.E.					
Date of measurement - 24/12/20					
5th Notified Const. of H.P.C - 1000mmφ at CH - 1240m.					
① Earth work in excavation for Foundation					
H.W. 1 No x 7.50 x 1.40 x 1.50 = 15.75m ³					
1 No x 5.30 x 1.40 x 1.50 = 11.13m ³					
Below pipe					
1 x 4.80 x 1.50 x 0.365 = 2.62m ³ = 29.50 m ³					
② P.C.C. M7.5 (1:2:5:5) for leveling course					
1 x 7.50 x 1.40 x 0.156 = 1.575m ³					
1 x 5.30 x 1.40 x 0.156 = 1.113m ³					
Below pipe					
1 No x 4.80 x 1.50 x 0.250 = 1.80m ³ = 4.528m ³					
Ramby 24.12.2020 J.E.					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	

Date of measurement - 30-12-20

③ R.C.C. m20 in sub.

structure - - - - -

$$1 \text{ No} \times 7.40 \times \frac{(1.0 + 0.50)}{2} \times 1.20 = 6.66 \text{ m}^3$$

$$1 \text{ No} \times 5.15 \times \frac{(1.0 + 0.85)}{2} \times 1.15 = 5.47 \text{ m}^3$$

U/L to R/L

$$1 \text{ No} \times 7.40 \times \frac{(0.90 + 0.40)}{2} \times 1.30 = 3.248 \text{ m}^3$$

$$1 \text{ No} \times 5.15 \times 0.85 \times 1.30 = 5.69 \text{ m}^3$$

Parapet

$$4/5 - 1 \text{ No} \times 2.40 \times 0.50 \times 0.40 = 0.48 \text{ m}^3$$

$$R/S - 1 \text{ No} \times 3.65 \times 0.80 \times 0.40 = 1.168 \text{ m}^3$$

Less for pipe

$$2 \times \frac{\pi}{4} \times (1.230)^2 \times 0.622 = 1.478 \text{ m}^3$$

$$\text{Total} = 21.888 \text{ m}^3$$

④ Providing & laying

R.C.C. NP-3 pipe - 1000φ

- - - - -

$$3 \text{ No} \times 2.50 = 7.50 \text{ m}.$$

Ramp

30-12-2020

30-12-20

A 200

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
Date of measurement :- 07-01-2021					
① Box cutting - Excavation					
for Roadway in soil.					
Do. do. do.					
Beside of A.L.D.					
CH- 1200 m to 1600 m.					
$2 \times 13 \text{ No} \times 30.0 \times 0.375 \times 0.10 = 29.25 \text{ m}^3$					
$2 \times 1 \text{ No} \times 10.0 \times 0.375 \times 0.10 = 0.75 \text{ m}^3$					
CH- 1600 m to 1775 m.					
$2 \times 5 \text{ No} \times 30 \times 0.525 \times 0.10 = 15.75 \text{ m}^3$					
$2 \times 1 \text{ No} \times 25.0 \times 0.525 \times 0.10 = 2.625 \text{ m}^3$					
Total = 48.375 m ³					

② Const. of Embankment.
For 60.1 of p.m.
p.m. = 29.0 m³

Rowing
07-01-2021
J.P.

Date of measurement = 11-01-21

③ Const. of Subgrade and
Earthen Shoulder.
CH-00 to 1200 m

$$\frac{23 \text{ No} \times 30.0 \times (7.70 + 6.80) \times 0.300}{2} = 1500.75 \text{ m}^3$$

$$\frac{1 \text{ No} \times 10.0 \times (7.60 + 6.70) \times 0.300}{2} = 21.45 \text{ m}^3$$

$$\frac{10 \text{ No} \times 30.0 \times (7.70 + 6.8) \times 0.300}{2} = 625.50 \text{ m}^3$$

Continuation
(0.44) = 2174.70 m³

$$0.75 \times 2174.70 \text{ m}^3$$

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
6 No x 30.0 x (7.70 + 6.80) x 0.300					$= 391.50 \text{ m}^3$
1 No x 20.0 x (7.70 + 6.50) x 0.250					$= 35.50 \text{ m}^3$
Total = 260.70 m ³					

11.01.2021
J.E.

Date of measurement
15.01.2021

⊕ U.S.B. with well

Graded materials

In BT Portion

CH-00+01200 m.

$$1 \text{ No} \times 16.0 \times (9.50 + 4.05) \times 0.200 =$$

$$25 \text{ No} \times 30.0 \times 4.05 \times 0.200 =$$

$$1 \text{ No} \times 10.0 \times 4.05 \times 0.200 =$$

$$1 \text{ No} \times 30.0 \times$$

$$1 \text{ No} \times 10.0 \times (5.80 + 4.05) \times 0.200$$

$$2 = 9.85 \text{ m}^3$$

$$23 \text{ No} \times 30.0 \times 4.05 \times 0.200 = 558.30 \text{ m}^3$$

$$1 \text{ No} \times 14.0 \times (4.05 + 13.0) \times 0.200$$

$$2 = 23.87 \text{ m}^3$$

$$1 \text{ No} \times 16.0 \times (8.30 + 4.05) \times 0.200 = 19.76 \text{ m}^3$$

Right Side Extra Slope

$$1 \text{ No} \times 13.50 \times (9.10 + 3.30) \times 0.200$$

$$2 = 16.74 \text{ m}^3$$

at curve

$$9 \text{ No} \times 30.0 \times 4.05 \times 0.200 = 218.70 \text{ m}^3$$

$$1 \text{ No} \times 18.0 \times (4.05 + 5.30 + 4.05)$$

Continuation

$$3 \times 0.200$$

$$= 11.61 \text{ m}^3$$

$$\text{Copy} = 859.43 \text{ m}^3$$

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	

Date of measurement - 08.03.21

① WBM Loading - 3

- Providing, laying,

Spreading and comp.

In RT portion

CH - 0.00 to 12.00 m

$$1 \text{ No} \times 10.0 \times \frac{(5.50 + 3.75)}{2} \times 0.075 = 3.46 \text{ m}^3$$

$$28 \text{ No} \times 30.0 \times 3.75 \times 0.075 = 194.06 \text{ m}^3$$

$$1 \text{ No} \times 14.0 \times \frac{(3.75 + 13.0)}{2} \times 0.075 = 8.75 \text{ m}^3$$

at curve - 5

$$1 \text{ No} \times 16.0 \times \frac{(3.30 + 3.75)}{2} \times 0.075 = 27.23 \text{ m}^3$$

Right side extra slope

$$1 \text{ No} \times 13.50 \times \frac{(3.10 + 3.30)}{2} \times 0.075 = 6.27 \text{ m}^3$$

$$9 \text{ No} \times 30.0 \times 3.75 \times 0.075 = 75.937 \text{ m}^3$$

$$1 \text{ No} \times 13.0 \times \frac{(3.75 + 5.30 + 3.75)}{3} \times 0.075 = 4.16 \text{ m}^3$$

$$6 \text{ No} \times 30.0 \times 3.75 \times 0.075 = 50.625 \text{ m}^3$$

$$1 \text{ No} \times 7.0 \times \frac{(5.0 + 6.0)}{2} \times 0.075 = 2.88 \text{ m}^3$$

CH - 1600 m to 1775 m

$$5 \text{ No} \times 30.0 \times 3.75 \times 0.075 = 42.18 \text{ m}^3$$

$$1 \text{ No} \times 25.0 \times 3.75 \times 0.075 = 7.031 \text{ m}^3$$

CH - 1200 m to 1600 m

$$13 \text{ No} \times 30.0 \times 3.75 \times 0.075 = 109.68 \text{ m}^3$$

$$1 \text{ No} \times 10.0 \times 3.75 \times 0.075 = 2.812 \text{ m}^3$$

$$= 515.11 \text{ m}^3$$

Say, quantity = 509.20 m³

Ranvir

08.03.21
J.E.

Continuation

08/03/21
A.D.

Date of measurement - 15.03.21
Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(1) (8+9) Construction of Sub- grade and Earthwork Shoulder					
Adjacent of L.S.G (BT portion) Ch. 1600 m to 1775 m					
2 x 23 No x 30.0 x (1.40 + 1.20) x 0.20					
				2	358.80 m ³
2 x 1 No x 10.0 x (1.50 + 1.20) x 0.20					
				2	5.40 m ³
2 x 10 No x 30.0 x (1.45 + 1.20) x 0.20					
				2	159.0 m ³
2 x 6 No x 30.0 x (1.40 + 1.20) x 0.20					
				2	98.60 m ³
2 x 1 No x 20.0 x (1.5 + 1.20) x 0.20					
				2	10.80 m ³
Ch. 1600 m to 1775 m					
2 x 5 No x 30.0 x (1.40 + 1.2) x 0.20					
				2	78.0 m ³
2 x 1 No x 25.0 x (1.30 + 1.20) x 0.20					
				2	12.50 m ³
Adjacent of L.S.G					
2 x 93 No x 30.0 x (1.20 + 1.10) x 0.075					
				2	119.025 m ³
2 x 1 No x 10.0 x (1.20 + 1.10) x 0.075					
				2	1.725 m ³
2 x 6 No x 30.0 x (1.20 + 1.10) x 0.075					
				2	49.50 m ³
2 x 6 No x 30.0 x (1.20 + 1.15) x 0.075					
				2	31.725 m ³
2 x 1 No x 20.0 x (1.20 + 1.10) x 0.075					
				2	3.30 m ³
Continuation					
(0.477) = 928.375 m ³					

Sch. XLV-Form No. 134

[illegible]

Date of measurement
10-06-2021

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	

1 Construction of
677 Embankment with
materials obtain from Roadways
as per graph.

Ch-	C/S Area	Avg Area	L	Volume
0+0	3.795	—	—	—
50+0	3.705	3.75	50	187.50m ³
100+0	3.615	3.66	50	183.0m ³
150+0	3.780	3.697	50	184.875m ³
200+0	3.770	3.775	50	188.75m ³
250+0	3.80	3.785	50	189.25m ³
300+0	3.775	3.787	50	189.375m ³
350+0	3.790	3.782	50	189.125m ³
400+0	3.790	3.79	50	189.50m ³
450+0	3.780	3.785	50	189.25m ³
500+0	3.690	3.735	50	186.75m ³
550+0	3.810	3.75	50	187.50m ³
600+0	4.815	4.312	50	215.625m ³
650+0	3.620	4.217	50	210.875m ³
700+0	3.550	3.585	50	179.25m ³
750+0	3.753	3.651	50	182.575m ³
800+0	3.782	3.767	50	188.375m ³
850+0	3.770	3.776	50	188.80m ³
900+0	3.625	3.697	50	184.875m ³
950+0	3.830	3.727	50	186.375m ³
1000+0	3.530	3.68	50	184.0m ³
1050+0	3.910	3.72	50	186.0m ³
1100+0	3.618	3.764	50	188.20m ³
1150+0	4.110	3.864	50	193.20m ³

Continuation

= 4353.025m³

Particulars	Details of actual measurement				Contents
	No.	L	B	D	Area
CH- C/S Area		Avg. Area	L		Volume.
1200.0	3.015	3.562	50		178.125 m ³
1250.0	2.169	2.592	50		129.60 m ³
1300.0	2.1985	2.577	50		128.85 m ³
1350.0	2.910	2.547	50		147.375 m ³
1400.0	2.150	2.53	50		126.50 m ³
1450.0	1.300	1.725	50		86.25 m ³
1500.0	1.675	1.487	50		74.375 m ³
1550.0	1.89	1.581	50		79.05 m ³
1600.0	3.816	2.853	50		142.65 m ³
1650.0	4.685	4.250	50		212.525 m ³
1700.0	4.935	4.81	50		240.50 m ³
1750.0	3.910	4.422	75		331.68 m ³
Total Qty =					6730.255 m ³
Deduction Qty =					

- (1) Subgrade (-) = 3555.075 m³
 (2) U.S.B (-) = 1138.95 m³
 (3) WBM (1:2:3) = 509.20 m³
 (4) Box cutting (-) = 29.03 m³
 Total Embankment = 1498.0 m³

① Embankment for 100m
Lead = 720.10 m³

② Embankment for 1000m
Lead = 777.90 m³

③ Planting of Tree by
Row 1 Qty = 130.00 nos.

Row 2
10-06-2021
J.A.

Continuation

11-06-21
A700

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	

ABSTRACT OF COST

(1) Providing & fixing of
working bench mark

Qty wide + msp = 2.0

@ RS = 3821.57/each = RS = 7643.14

(2) Reference pillar

Qty wide + msp = 7.0

@ RS = 1730.69/each = RS = 12115.83

(3) Clearing & grubbing

Road land

Qty wide + msp = 1212 Hec

@ RS = 51133.76/Hec = RS = 61974.20

(4) Box cutting - excavation
for Road way

Qty wide + msp = 11

= 48.375 m³

@ RS = 74.16/m³ = RS = 3587.20

(5) Cost of Embankment

Qty of Box cutting

Qty wide + msp = 11 = 29.0 m³

@ RS = 26.11/m³ = RS = 757.20

(6) Construction of

Embankment for 1000 m

land

Qty wide + msp = 720.10 m³

@ RS = 131.23/m³ = RS = 94355.20

@ RS = 180,431.20

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
					Bf = P3F 180,421 = 0
(7) Construction of Embankment for 100m lead.					
Qty wide TmB P-18 =					
					= 777.90 m ³
@ P3 = 174.94/m ³ P3 =					136,086 = 0
(8) Const of subgrade & Earthen shoulder for 100m lead.					
Qty wide TmB P-16					
					= 953.375 m ³
@ P3 = 176.58/m ³ P3 =					168,347 = 0
(9) Const of subgrade & Earthen shoulder for 100m lead.					
Qty wide TmB P-16					
					= 2601.70 m ³
@ P3 = 141.17/m ³ P3 =					3,67,282 = 0
(10) C.S.B. Construction of C.S.B. with well graded met					
Qty wide TmB P-13 =					1138.95 m ³
@ P3 = 2457.71/m ³ P3 =					27,99,209 = 0
(11) B.M. 3, - Providing					
Const of Int					
Qty wide TmB P-14 =					509.20 m ³
@ P3 = 3765.16/m ³ P3 =					19,17,219 = 0
Continuation					
					C.O. P3 = 55,68,574 = 0

Particulars	Details of actual measurement			Contents of area
	No.	L	B	D
$Bf = RS = 55,68,574 = \infty$				
(12/29) Planting of Tree.				
Qty wide Tms P-18				
				$= 130.0$
(13/41) RS = 8/5.26/each = RS = 105,984 = ∞				
(13/41) Dismantling of existing structure like.				
Cement concrete				
Qty wide Tms P-2 = 1942 m ³				
(14/42) RS = 484.74/m ³ = RS = 941 = ∞				
(14/42) Dismantling of existing structure like.				
Qty wide Tms P-2				
				$= 65.35 m^3$
(15/43) RS = 231.77/m ³ = RS = 15,146 = ∞				
(15/43) Removing all types.				
H.P.C up to 600 mm				
Qty wide Tms P-2 = 15.0				
(16/44) RS = 174.18/m = RS = 2622 = ∞				
(16/44) Removing H.P.C				
above 600 mm & to 900 mm.				
Qty wide Tms P-3 = 5.0				
(17/45) RS = 236.34/each = RS = 1182 = ∞				
(17/45) Earth work in excavation				
in foundation				
Qty wide Tms P-3 = 15.94 m ³				
Qty wide Tms P-5 = 141.299 m ³				
Qty wide Tms P-8 = 16.24 m ³				
Qty wide Tms P-8 = 16.93 m ³				
Qty wide Tms P-9 = 29.50 m ³				
total = 92.909 m ³				
Say shift = 92.44 m ³				

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	

$$BF = RS = 55,68,574 = \infty$$

(12/29) Planting of Tree.

Qty. wide Tms P-18

$$= 130.0$$

$$\textcircled{2} RS = 8/5.26/\text{Each} = RS = 1,05,984 = \infty$$

(13/41) Dismantling of existing structure like.

Cement concrete

$$\text{Qty. wide Tms P-2} = 1,942 \text{ m}^3$$

$$\textcircled{2} RS = 484.74/\text{m}^3 = RS = 941 = \infty$$

(14/42) Dismantling of existing structure like.

Qty. wide Tms P-2

$$= 5.35 \text{ m}^3$$

$$\textcircled{2} RS = 281.77/\text{m}^3 = RS = 15,146 = \infty$$

(15/43) Removing all types.

H.P.C up to 600 mm

$$\text{Qty. wide Tms P-2} = 15.0$$

$$\textcircled{2} RS = 174.18/\text{m} = RS = 2622 = \infty$$

(16/44) Removing H.P.C above 600 mm & to remove.

$$\text{Qty. wide Tms P-3} = 5.0$$

$$\textcircled{2} RS = 236.34/\text{Each} = RS = 1182 = \infty$$

(17/25) Earth work in excavation in foundation

$$\text{Qty. wide Tms P-3} = 15.94 \text{ m}^3$$

$$\text{Qty. wide Tms P-5} = 14.29 \text{ m}^3$$

$$\text{Qty. wide Tms P-8} = 16.24 \text{ m}^3$$

$$\text{Qty. wide Tms P-8} = 16.93 \text{ m}^3$$

$$\text{Qty. wide Tms P-9} = 29.50 \text{ m}^3$$

$$\text{Total} = 92.90 \text{ m}^3$$

$$\text{Say about} = 92.44 \text{ m}^3$$

$$BF = PS = 5694.449 = 0$$

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Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	

$$BF = 92.44 \text{ m}^3$$

$$\textcircled{18} \text{ } PS = 269.32 / m^3 = PS = 24896 = 0$$

Providing M15 (1:2:5)

in leveling course

$$\text{Qty wide } m^3 P-3 = 2.672 \text{ m}^3$$

$$\text{Qty wide } m^3 P-5 = 2.56 \text{ m}^3$$

$$\text{Qty wide } m^3 P-6 = 2.850 \text{ m}^3$$

$$\text{Qty wide } m^3 P-8 = 2.84 \text{ m}^3$$

$$\text{Qty wide } m^3 P-9 = 4.528 \text{ m}^3$$

$$= 15.416 \text{ m}^3 \text{ qty}$$

$$\textcircled{19} \text{ } PS = 269.32 / m^3 = PS = 4149 = 0$$

Providing M20

grade conc. in sub

structure

$$\text{Qty wide } m^3 P-4 = 16.373 \text{ m}^3$$

$$\text{Qty wide } m^3 P-5 = 14.334 \text{ m}^3$$

$$\text{Qty wide } m^3 P-7 = 16.568 \text{ m}^3$$

$$\text{Qty wide } m^3 P-8 = 14.936 \text{ m}^3$$

$$\text{Qty wide } m^3 P-10 = 21.838 \text{ m}^3$$

$$\text{Total} = 84.125 \text{ m}^3 \text{ qty}$$

$$\textcircled{20} \text{ } PS = 5500.92 / m^3 = PS = 462765 = 0$$

Providing & laying

R.C.C N.P.3 Pipe Lining

$$\text{Qty wide } m^3 P-7 = 7.50 \text{ m}$$

$$\text{Qty wide } m^3 P-8 = 7.50 \text{ m}$$

$$\text{Qty wide } m^3 P-9 = 7.50 \text{ m}$$

$$\text{Qty wide } m^3 P-10 = 7.50 \text{ m}$$

$$= 30.0 \text{ m}$$

$$\textcircled{21} \text{ } PS = 938.41 / m = PS = 28152 = 0$$

$$\text{Co. ps} = 6147.398 = 0$$

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
					$BF = PS = 61,47,398 = \infty$
21 Providing and laying					
39 R.C.C pipe N.P.S					
1000 mm ϕ					
Qty with end P-10 = 7.50m					
@ RS = 3538.99 / m = RS = 26,692 = ∞					
In Total = 61,74,090 = ∞					
Add 12.4 U.S.T. (+) = 7,40,891 = ∞					
Add 17. L.C (+) = 61,740 = ∞					
= 69,76,721 = ∞					
Less 10.4 below = 69,76,721 = ∞					
Net (P) = 62,79,049 = ∞					

Ranjan
02.07.2021
J.E.

05.07.21
AS. Bhusan

CSP
Yashraj
10/7/21