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To Sri. Yaduvendra Yadav A.E- R.W.D
Work Sub-Div. Barun

Executive Engineer
Rural Works Division, nt
Works Division, Aurangabad
20/11/2022

Schedule XLV - Form No. 134.

E.E. A. E. A. E. DIVISION.

A.E. Barun. SUB-DIVISION.

MEASUREMENT BOOK

2313 2697

Name of officer A. E. A. E. A. E.

Barun.

Date of first entry

Date of last entry

विषय परीक्षा के लिए

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.	
<u>Test & A/C Bill</u>					
Name of work - Construction of					
Road from Bishunpur Bahuwara					
Road to Bahuwara Sahukhap.					
Name of agency - Akhleshwar					
Builders Pvt. Ltd. Nawadih					
Road Aurangabad.					
Agreement No - SBO/20-21					
Agreement Rate - 10% below					
of B.O.P. Rate.					

Agreement Amt = 9747502.00
 Part 'A'

Date of work start - 23-09-2020

Date of completion - 22-09-2021

Date of measurement - 05-10-2021

Re-rod Entry.

(1) Providing and fixing of
 working bench mark -

Qty = 2.0 Nos.

(2) Reference pillar.

Qty = 6.0 Nos.

(3) clearing & grubbing.

Road land - 20.00 m

$2 \times 40 \text{ Nos} \times 30.0 \times 3.50 = 8400.0 \text{ m}^2$

Continuation
 $2 \times 1 \text{ No} \times 16.0 \times 3.50 = 112.0 \text{ m}^2$

(Total Qty) = 8512.0 m²

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

$$BF = 47y = 8512.0m^2$$

$$2 \times 10 \text{ Nos} \times 30.0 \times 3.50 = 2100.0m^2$$

$$2 \times 1 \text{ No} \times 24.0 \times 3.50 = 168.0m^2$$

$$= 10780.0m^2$$

$$\text{Qty} = 1.078 \text{ Hec.}$$

④ Providing and laying
of a reinforced cement
duct 300 mm ϕ ---
--- ϕ --- m ---

$$6 \text{ Nos} \times 4 \times 2.50 = 60.0m.$$

⑤ Providing & fixing typical
logo of masonry B ---
--- ϕ --- m ---

$$Qty = 2.0 \text{ Nos.}$$

Rate
25/09/2020 10.10.20
1.5 H.B. B.A.N

Date of measmt.
10.10.20

Construction of H.P. 600mm ϕ .
at ch-40.m.

① Earth work in excavation
for foundation of structure
--- ϕ --- m ---

$$H.K. = 2 \times 6 \times 50 \times 1.40 \times 1.50 = 27.09m^3$$

$$\text{Below pipe} = 1 \times 4.850 \times 1.530 \times 0.365 = 2.708m^3$$

$$\text{Total} = 29.80m^3$$

Continuation

Scanned with CamScanner

Date of mesmt:
16-10-10

Sch. XLV-Form No. 134

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

Construction of H.P. boom ramp
at CH-260m.

(1) Earthwork in excavation
for formation of struct.
--- Do ---

$$H.W. = 2 \times 3.90 \times 1.150 \times 1.50 = 13.455 m^3$$

$$\text{Below pipe} = 1 \times 5.350 \times 1.130 \times 0.365 = 2.207 m^3$$

$$= 15.660 m^3$$

(2) Providing M15 P.C.C
(1:2:5) as levelling
Course --- Do ---

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

$$\text{Below pipe} = 1 \times 5.311 \times 1.130 \times 0.290 = 1.50 m^3$$

$$= 2.85 m^3$$

Ram 16-15-20

(3) P.C.C M20 in Substructure.
--- Do ---

$$H.W. = 2 \times 3.65 \times (1.0 + 0.410) = 2.780$$

$$= 14.2011 m^3$$

Less for Pipe-

$$2 \times \frac{1}{4} \times (0.830)^2 \times 0.530 = 0.574 m^3$$

$$= 13.627 m^3$$

(4) Providing & laying R.C
NP-3 for culvert - m

$$3 \text{ nos} \times 2.50 = 7.50 m$$

Continuation

Ram 22-10-20
22-10-20
22-10-20

AN

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

Construction of H.P.C - 1000 mm ϕ

at CH - 340.0 m

① Earth work in excavation for foundation of sum

- - - - - Augment

H.W - $2 \times 6.450 \times 1.400 \times 1.50 = 27.090$

Below Pipe - $1 \times 4.930 \times 1.530 \times 0.265 = 2.708$

$= 29.80 \text{ m}^3$

② Providing M15 R.C.C

(1:2:5) as leveling

Can - - - - -

H.W - $2 \times 6.45 \times 1.40 \times 0.150 = 2.70 \text{ m}^3$

Below Pipe - $1 \times 4.931 \times 1.530 \times 0.250 = 1.88$

$= 4.60 \text{ m}^3$

Ramming
24-10-20

③ P.C.C Mac grade concrete in Substructure -

- - - - - ALL -

$2 \times 6.00 \times \frac{(1.25 + 0.40)}{2} \times 3.180 = 31.48$

62

Loss for pipe -

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

CH = 30.004 m^3

④ Providing and laying R.C.C pipe MF3 for continuation at

$3 \times 2.50 = 7.50 \text{ m}$

Ramming
29-10-20
J.T. or H.T.

Date of measurement

Sch. XLV-Form No. 134

30-10-2020

Particulars Details of actual measurement Contents of area

Construction of H.P.C. 100mm

① CH-820.0m.

① Earth work in excavation.

For foundation of structure.

-- Do --

H.W. $2 \times 6.450 \times 1.40 \times 1.50 = 27.09 \text{ m}^3$

Below pipe- $1 \times 4.850 \times 1.530 \times 0.365 = 2.70 \text{ m}^3$
 $= 29.80 \text{ m}^3$

② Providing M15 P.C.C

(1:2:5:5) as leveling course

-- Do --

H.W. $2 \times 6.450 \times 1.40 \times 0.150 = 2.709 \text{ m}^3$

Below pipe- $1 \times 4.931 \times 1.530 \times 0.250 = 1.88 \text{ m}^3$
 $\text{Total} = 4.60 \text{ m}^3$

Ramp
30-10-20
J-Plan

③ P.C.C M20 concrete in

Substructure -- Do --

H.W. $2 \times 5.20 \times (1.25 + 0.40) \times 3.180$
 $= 30.83 \text{ m}^3$

less for pipe-

$2 \times \frac{\pi}{4} \times (1.230)^2 \times 0.682 = 1.478 \text{ m}^3$
 $\text{Total} = 29.479 \text{ m}^3$

④ Providing and laying

R.C.C pipe N.P-3 for

volume -- Do --

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

Ramp
03-11-20
J-Plan

11.2020

Date of measurement
 Sch. XLV-Form No. 134 07.11.20

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

Construction of H.P.C-1000mm φ
CH-980m

<1> Earth work in excavation.
 for foundation of structure.
 --- do --- All comp.

H.W- $2 \times 6.45 \times 1.40 \times 1.50 = 27.09 \text{ m}^3$

Below pipe-
 $1 \text{ No} \times 4.850 \times 1.530 \times 0.365 = 2.708 \text{ m}^3$
 $= 29.80 \text{ m}^3$

<2> Providing M15 P.C.C.
 (1:2.5:5) as levelling.
 Comp. --- do --- All

H.W- $2 \times 6.45 \times 1.40 \times 0.150 = 2.70 \text{ m}^3$

Below pipe-
 $1 \times 4.931 \times 1.530 \times 0.250 = 1.886 \text{ m}^3$
 $= 4.60 \text{ m}^3$

Rate
07.11.2020
J.E. Ar 07.11.2020

<3> P.C.C-M20 concrete
 in substructure. --- do --- All

H.W- $2 \times 6.45 \times (1.25 + 1.0) \times 3.18$
 $= 30.69 \text{ m}^3$
 $= 30.69 \text{ m}^3$

Loss for pipe-
 $2 \times 4 \times (1.23) \times 0.622 = 1.47 \text{ m}^3$
 $30.69 - 1.47 = 29.22 \text{ m}^3$

<4> Providing & laying R.C.C.
 pipe M20 for H.P.C.

Continuation
 $3 \times 2.50 = 7.50 \text{ m}$

Rate
16.11.2020
J.E. Ar 16.11.2020

Date of measurement

Sch. XLV-Form No. 134/17.11.20

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

Construction of H.P.C. - 600mm dia
at CH-1110.0m.

① Earth work in excavation
in foundation - 20 - 20 - 20

H.W. $2 \times 3.90 \times 1.50 \times 1.50 = 13.455 \text{ m}^3$
below H.P.

$1 \times 5.350 \times 1.130 \times 0.365 = 2.207 \text{ m}^3$
 $= 15.66 \text{ m}^3$

② Providing M15 (R.C.C.)

(1:2:5:5) as leveling.

- 20 - 20 - 20

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

Betons pipe.

$1 \times 5.311 \times 1.130 \times 0.250 = 1.50 \text{ m}^3$
 $= 2.850 \text{ m}^3$

Ranish
25.11.20
J-LR

③ P.C.C. M20 in sub-
structure in - 20 - 20 - 20

H.W. $2 \times 3.90 \times (1.0 + 0.40) \times 2.78$
 $= 14.01 \text{ m}^3$

Less for pipe

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

Total = 13.436 m³

④ Providing and laying

R.C.C. Pipe N/3 for in

- 20 - 20 - 20

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

Continuation

Ranish
25.11.20
J-LR

12.12.2020
AM

Date of measurement
28.11.20

Sch. XLV-Form No. 134 9

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
Construction of H.P. 1000 mm ϕ at CH-1360 m.					

① Earth work in excavation for foundation

$$H.W = 2 \times 6.450 \times 1.40 \times 1.50 = 27.09$$

$$\text{Below pipe} = 1 \times 4.850 \times 1.530 \times 0.365 = 2.70$$

$$= 29.50 m^3$$

② Providing M.S (12.5:5) as leveling cover

$$2 \times 6.450 \times 1.40 \times 0.150 = 2.70 m^3$$

$$\text{Below pipe} = 1 \times 4.831 \times 1.530 \times 0.250 = 1.88 m^3$$

$$= 4.60 m^3$$

Ramya
28.11.20
J.E.

③ R.C.C. M20 in Substructure in pipe

$$H.W = 2 \times 6.20 \times (1.25 + 0.40) \times 3.180$$

$$= 37.48 m^3$$

$$= 31.432 m^3$$

$$\text{Less for pipe} = 2 \times \frac{\pi}{4} \times (1.230)^2 \times 0.622$$

$$= 1.478 m^3$$

$$\text{Total} = 30.004 m^3$$

④ Providing and laying R.C.C pipe 1173 for culvert

$$3 \text{ nos} \times 2.50 = 7.50 m$$

Continuation
Ramya
04.12.20
J.E.
12.12.20
A.S.

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

Date of measurement

12-12-20

① Box cutting - excavation
for road way in salt -

- 10 - 10 - 10

Be side of p.c.c.

cut H - 1216.0m to 1310.0m.

$$2 \times 3 \text{ No} \times 30.0 \times 0.375 \times 0.175 = 11.81 \text{ m}^3$$

$$2 \times 1 \text{ No} \times 4.0 \times 0.375 \times 0.175 = 0.525$$

$$= 12.335 \text{ m}^3$$

<2> construction of embankment
with appraised mud -

60m of 100m

$$12.335 \times 60 \times 1 = 7140 \text{ m}^3$$

Ramp

12-12-20

12

12-12-20

A.10

Date of measurement

20-12-20

④ Construction of sub-

-grade and further

Shoulder - 10 - 10 - 10

$$40 \text{ No} \times 30.0 \times \frac{(6.830 + 7.725)}{2} \times 0.30 = 2619.90 \text{ m}^3$$

$$1 \text{ No} \times 16.0 \times \frac{(6.830 + 7.725)}{2} \times 0.30 = 34.92 \text{ m}^3$$

$$= 2654.82 \text{ m}^3$$

$$\text{Sub limit} = 2654.28 \text{ m}^3$$

Continuation

Ramp
20-12-2020
J.E. 12

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

Date of measurement

02-01-2021

(1) Construction of U.S.B by

Providing well graded

material grady-I-D-ACI

In BT Portion

CH-0.00 to 0.1216m.

~~40 No x 30.0 x 0.20~~

$$1 \times 16.0 \times \frac{(6.10 + 4.05)}{2} \times 0.20 = 16.24 \text{ m}^3$$

$$3 \text{ No} \times 30.0 \times 4.05 \times 0.20 = 72.90 \text{ m}^3$$

$$\text{Curve 1} \\ 1 \times 14.0 \times \frac{(4.05 + 5.20 + 4.05)}{3} \times 0.20 = 12.413 \text{ m}^3$$

$$12 \text{ No} \times 4.05 \times 0.20$$

$$12 \text{ No} \times 30.0 \times 4.05 \times 0.20 = 291.60 \text{ m}^3$$

$$21 \text{ No} \times 30.0 \times 4.05 \times 0.20 = 510.30 \text{ m}^3$$

$$\text{Curve-2} \\ 16.0 \times \frac{(4.05 + 5.60 + 4.05)}{3} \times 0.20 = 14.61 \text{ m}^3$$

(Curve-3)

$$14.0 \times \frac{(4.05 + 5.40 + 4.05)}{3} \times 0.20 = 12.60 \text{ m}^3$$

$$2 \text{ No} \times 30.0 \times 4.05 \times 0.20 = 48.60 \text{ m}^3$$

$$1 \text{ No} \times 16.0 \times 4.05 \times 0.20 = 12.96 \text{ m}^3$$

Extra slope at curve-2

$$3.0 \times \frac{(6.10 + 4.05)}{2} \times 0.20 = 3.045 \text{ m}^3$$

Extra at y shoulder

$$4.0 \times \frac{(7.20 + 5.10)}{2} \times 0.20 = 4.92 \text{ m}^3$$

U.S.B. In C.C. Portion CH-1216m to 1540m

In widening:

$$2 \times 3 \text{ No} \times 30.0 \times 0.375 \times 0.10 = 6.75 \text{ m}^3$$

$$2 \times 1 \text{ No} \times 4.0 \times 0.375 \times 0.10 = 0.30 \text{ m}^3$$

$$\text{Co. qty} = 1005.238 \text{ m}^3$$

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Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
Co. qty = 1025.23 m ³					
Continuation:					
3 No x 30.0 x 3.75 x 0.10 = 23.75 m ³					
(curve-4)					
1 No x 20.0 x (3.75 + 5.40 + 3.75) x 0.10					
3 = 8.60 m ³					
4 No x 30.0 x 3.75 x 0.10 = 45.0 m ³					
Extr. at slope:					
5.0 x (3.75 + 3.20) x 0.10 = 1.975 m ³					
End portion of 7 section:					
12.0 x (5.10 + 3.75) x 0.10 = 5.310 m ³					
2 = 1099.873 m ³					
Rm. 02-01-2021					
05-01-21					

Date of measurement
16-01-2021

① WBM-lvr-3 - Providing,

laying, spreading, and

compacting, i.e. all

cf = 0.10 to 0.12/6 m.

1 No x 16.0 x (5.80 + 3.75) x 0.075

2 = 5.23 m³

3 No x 30.0 x 3.75 x 0.075 = 25.312 m³

(curve-5)

1 No x 14.0 x (3.75 + 5.20 + 3.75) x 0.075

3 = 4.49 m³

12 No x 30.0 x 3.75 x 0.075 = 101.25 m³

(curve-2)

16.0 x (3.75 + 5.80 + 3.75) x 0.075

3 = 5.24 m³

Co. qty = 141.977 m³

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
$Bf = 0.75 = 141.577m^3$					
2 No x 30.0 x 3.75 x 0.075					$= 177.187m^3$
Curve-3 =					
$4.0 \times (3.75 + 5.40 + 3.75) \times 0.075$					
3					$= 4.515m^3$
2 No x 30.0 x 3.75 x 0.075					$= 16.875m^3$
1 No x 16.0 x 3.75 x 0.075					$= 4.50m^3$
Extr. slope curve-2					
$8.0 \times (6.10 + 3.75) \times 0.075$					$= 9.108m^3$
Extr. at T. junction					
$4.0 \times (4.20 + 5.10) \times 0.075$					$= 2.184m^3$
113m ³ in C.C. path					
CH-1216m to 1540m					
3 No x 30.0 x 0.375 x 0.075					$= 2.53m^3$
1 No x 4.0 x 0.375 x 0.075					$= 0.112m^3$
No x 30.0 x 3.75 x 0.075					$= 25.31m^3$
Curve-4					
$1 No \times 20.0 \times (3.75 + 5.40 + 3.75) \times 0.075$					
3					$= 6.45m^3$
No x 30.0 x 3.75 x 0.075					$= 33.75m^3$
Extr. at slope					
$5.0 \times (4.70 + 3.20) \times 0.075$					$= 1.481m^3$
End portion of T. junction					
$12.0 \times (5.10 + 3.75) \times 0.075$					$= 3.98m^3$
2					$= 421.62m^3$
Say limit qty =					$420.21m^3$

Continuation

Raj
16.04.2021
J.E

21.04.21

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

Date of mesmt.

20-01-2021

① Construction of subgrade.
and Earthen shoulder.

In B.T. portion.

Adjacent to h.s.d

$$\frac{2 \times 40 \text{ No} \times 30.0 \times (1.50 + 1.20) \times 0.20}{2} = 648.0 \text{ m}^3$$

$$\frac{2 \times 1 \text{ No} \times 16.0 \times (1.50 + 1.20) \times 0.20}{2} = 8.64 \text{ m}^3$$

Adjacent to k/B m m s

$$\frac{2 \times 40 \text{ No} \times 30.0 \times (1.2 + 1.0) \times 0.075}{2} = 198.0 \text{ m}^3$$

$$\frac{2 \times 1 \text{ No} \times 16.0 \times (1.2 + 1.0) \times 0.075}{2} = 2.64 \text{ m}^3$$

$$\text{Qty} = 857.28 \text{ m}^3$$

Ranjan

20-01-2021

J.E

21-01-21

A.B. Borah

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

Date of measmt.
27-01-2021

I
Stt Construction of Embank-
ment with approved
material & as per graph

Ch (m)	C/S (m) Area	Avg (m) Area	L (m)	Volume (m ³)
0.00	4.272	—	—	—
50.0	4.273	4.271	50	213.625
100.0	4.174	4.223	50	211.175
150.0	4.300	4.237	50	211.85
200.0	4.274	4.287	50	214.35
250.0	4.820	4.509	50	225.45
300.0	4.198	4.509	50	225.45
350.0	4.264	4.231	50	211.55
400.0	4.268	4.283	50	214.175
450.0	4.299	4.283	50	214.175
500.0	4.432	4.365	50	218.275
550.0	4.383	4.407	50	220.375
600.0	4.413	4.398	50	219.90
650.0	4.274	4.343	50	217.175
700.0	4.364	4.319	50	215.95
750.0	4.383	4.373	50	218.675
800.0	4.923	4.653	50	232.65
850.0	4.121	4.922	50	226.10
900.0	3.912	4.016	50	200.825
950.0	3.832	3.872	50	193.60
1000.0	4.101	3.966	50	198.328
1050	4.132	4.116	50	205.825

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
1100.0	4.213	4.172	50		208.625
1150.0	3.670	3.941	50		197.075
1200.0	3.721	3.695	50		184.775
1250.0	3.416	3.568	50		178.425
1300.0	4.100	3.763	50		180.150
1350.0	4.120	4.115	50		205.75
1400.0	4.112	4.116	50		205.80
1450.0	4.230	4.371	50		208.55
1500.0	3.212	3.722	50		186.050
1540.0	3.426	3.819	40		132.76
Total =					6397.45 m ³

Deduction Qty:

- (1) WBM W.R.3 = 420.21 m³
 (2) W.S.B = 1099.873 m³
 (3) Subgrade = 351.56 m³
Net Qty = 1365.807 m³

(1/5) Embankment for 100m
 lead) = 380.20 m³

(1/6) Embankment for 100m
 lead) = 985.607 m³

Ranjan
 27.07.21

Continuation

27.07.21
 Mr. B. B. B. B.

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

ABSTRACT OF COST.

(1) Providing & Fixing
working bench mark

Qty wide + ms P-1 = 2.0 no

@ RS = 3802.50 / each = RS = 7605 = 00

(2) Reference pillar

Qty wide + ms P-1 = 6.0 no

@ RS = 1721.10 / each = RS = 10326 = 00

(3) Clearing & grubbing
Road land

Qty wide + ms P-2 = 1.078 Hec

@ RS = 51123.76 / Hec = RS = 55,122 = 00

(4) Box-cutting - Excavation
for Road work

Qty wide + ms P-10 = 12.335 m³

@ RS = 74.16 / m³ = RS = 915 = 00

(5) Construction of Embankment
for 60 ft. of cut

Qty wide + ms P-10 = 7.40 m³

@ RS = 26.11 / m³ = RS = 193 = 00

So RS = 74161 = 00

Continuation

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

$$Bf = P_3 = 74.61 = \infty$$

<6> Construction of Embankment.

With materials obtained - - -
(for 1000 meter)

$$Qty \text{ wide Tmp P-16} = 380.2 \text{ m}^3$$

$$@ P_3 = 174.94 / \text{m}^3 = P_3 = 66,512 = \infty$$

<7> Construction of Embankment.

With materials obtained.

- - - DO - - - 1000 meter

$$Qty \text{ wide Tmp P-16} = 985.607 \text{ m}^3$$

$$@ P_3 = 131.03 / \text{m}^3 = P_3 = 12,9144 = \infty$$

Ruby

<8> Construction of subgrade

and Earthen Shoulders.

With materials obtained

- - - DO - - - 1000 meter

$$Qty \text{ wide Tmp P-10} = 2654.28 \text{ m}^3$$

$$Qty \text{ wide Tmp P-14} = 957.28 \text{ m}^3$$

$$= 3511.56 \text{ m}^3$$

$$@ P_3 = 176.58 / \text{m}^3 = P_3 = 6,20,071 = \infty$$

<9> W.S.B. With Well graded

materials for grading -

- - - DO - - - 1000 meter

$$Qty \text{ wide Tmp P-12} = 1039.873 \text{ m}^3$$

$$@ P_3 = 2416.03 / \text{m}^3 = P_3 = 26,57,326 = \infty$$

<10> WBM hr-3, Binding.

Laying, Spreading and

Compacting. - - - DO - - - 1000 meter

$$Qty \text{ wide Tmp P-13} = 420.2 / \text{m}^3$$

$$@ P_3 = 3730.43 / \text{m}^3 = P_3 = 15,67,564 = \infty$$

Continuation

$$Co. P_3 = 51,47,778 = \infty$$

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

$$BF = PS = 51,14,778 = \infty$$

(11) Providing and fixing

Logo of Project M.M.S.Y.

Source Do - same

$$Qty \text{ wide } TMS P-2 = 2.0 m$$

$$@ PS = 9212.69 / \text{each} = PS = 18,425 = \infty$$

irrigation pipe -

(12) Providing and laying of

R.C.C. pipeduct - 300 mm ϕ

for irrigation - - -

$$Qty \text{ wide } TMS P-2 = 60.0 m$$

$$@ PS = 860.97 / m = PS = 51,658 = \infty$$

(13) Earth work in excavation

for foundation of structure

- - - 200 - 200 - 200 -

$$Qty \text{ wide } TMS P-2 = 29.80 m^3$$

$$Qty \text{ wide } TMS P-4 = 15.66 m^3$$

$$Qty \text{ wide } TMS P-5 = 29.80 m^3$$

$$Qty \text{ wide } TMS P-6 = 29.80 m^3$$

$$Qty \text{ wide } TMS P-7 = 29.80 m^3$$

$$Qty \text{ wide } TMS P-8 = 15.66 m^3$$

$$Qty \text{ wide } TMS P-9 = 29.80 m^3$$

$$Qty \text{ wide } TMS P-10 = 180.32 m^3$$

$$@ PS = 269.32 / m^3 = PS = 48,564 = \infty$$

(14) Providing M/S P.C.C. as

(1:2:4:5) as levelling

course - - - - -

$$Qty \text{ wide } TMS P-3 = 4.58 m^3$$

$$Qty \text{ wide } TMS P-4 = 2.85 m^3$$

$$Qty \text{ wide } TMS P-5 = 4.60 m^3$$

$$Qty \text{ wide } TMS P-6 = 12.03 m^3$$

$$Qty \text{ wide } TMS P-7 = 52,334.25 = \infty$$

Sch. XLV-Form No. 134

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

$$BF = PS = 52,334.25 = \infty$$

$$BF = QTY = 12.03 m^3$$

$$Qty \text{ wide } TMBP-6 = 4.60 m^3$$

$$Qty \text{ wide } TMBP-7 = 4.60 m^3$$

$$Qty \text{ wide } TMBP-8 = 2.85 m^3$$

$$Qty \text{ wide } TMBP-9 = 4.60 m^3$$

$$= 28.68 m^3$$

$$@PS = 4656.42 / m^3 = PS = 1,33,546 = \infty$$

(15) P.C.C M20 in Substructure

in Round: $\phi = 12$

$$Qty \text{ wide } TMBP-3 = 30.004 m^3$$

$$Qty \text{ wide } TMBP-4 = 13.627 m^3$$

$$Qty \text{ wide } TMBP-5 = 30.004 m^3$$

$$Qty \text{ wide } TMBP-6 = 29.479 m^3$$

$$Qty \text{ wide } TMBP-7 = 29.224 m^3$$

$$Qty \text{ wide } TMBP-8 = 13.436 m^3$$

$$Qty \text{ wide } TMBP-9 = 30.004 m^3$$

$$= 175.778 m^3$$

$$@PS = 5452.42 / m^3 = PS = 958415 = \infty$$

(16) Providing and laying

R.C.C pipe N.P.3 for

H.P.C 600 mm ϕ

- - - - -

$$Qty \text{ wide } TMBP-4 = 7.50 m$$

$$Qty \text{ wide } TMBP-8 = 7.50 m$$

$$= 15.0 m$$

$$@PS = 928.83 / m = PS = 13947 = \infty$$

$$C.O. PS = 6339333 = \infty$$

Continuation

