

Agency - **Nirmala Devi**

Ufforai No. 1 Pith Mahan ho 1 hyaada

Schedule XLV - Tera Ma 1345

15.11.2014

10.10.2014

BHAR P. M. D.

E. F. R. W. D. Work A. Bad Division

Assistant Engineer R. S. D. Division

Work Sub-Div-Kushambha

MASSACHUSETTS 1000

110/2604

10.10.2014

22/10/10

North Division
10/7/20

E.E.R.w.D A.Bad DIVYAN.

WORK sub-div-Kutumba.

211416 72604

Date of last entry Round work sub-div -

निहार. मधुमिंद सेव. गण्ड ।

(These four lines should be repeated at the commencement of the measurements relating to each work

NFL - construction of road from
Utari Koel Nahar pitch road
to Dhurynda.

Measurement

51.935

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(4) Removing all types of kyma pipe up to 600 mm					
	3	3	2.50	2	22.50 m
(5) Excavation for foundation of structure.					
600 mm					
H.W. 2	2	3.90	1.15	1.50	26.91 m ³
Below pipe 2	1	5.35	1.13	0.365	4.41 m ³
1000 mm					
H.W. 1	2	6.45	1.40	1.50	27.09 m ³
Below pipe 1	1	4.85	1.53	0.365	2.71 m ³
					61.12 m ³
(6) Providing cast P.C.C. M-15					

in open foundation.

600 mm

$$2 \times 2 \times 3.90 \times 1.15 \times 0.15 = 2.69 \text{ m}^3$$

$$2 \times 1 \times 5.31 \times 1.13 \times 0.45 = 3.00 \text{ m}^3$$

1000 mm

$$1 \times 2 \times 6.45 \times 1.40 \times 0.15 = 2.71 \text{ m}^3$$

$$1 \times 1 \times 4.93 \times 1.53 \times 0.25 = 1.89 \text{ m}^3$$

$$10.29 \text{ m}^3$$

(7) Providing P.C.C. M-20

in substructure

600 mm

$$H.W. \quad 2 \times 2 \times 3.60 \times \frac{1.50 + 0.40}{2} \times 2.78 = 28.02 \text{ m}^3$$

$$Parapet \quad 2 \times 2 \times 3.60 \times 0.40 \times 0.60 = 3.46 \text{ m}^3$$

$$\text{Less pipe} \quad 2 \times 2 \times 0.7857 \times (0.85)^2 \times 0.53 (-) 1.15 \text{ m}^3$$

1000 mm

$$2 \times 2 \times 6.15 \times \frac{1.25 + 0.40}{2} \times 3.18 = 32.27 \text{ m}^3$$

$$1 \times 2 \times 6.15 \times 0.40 \times 0.60 = 2.90 \text{ m}^3$$

$$2.95$$

Continuation

$$\text{Less pipe} \quad 1 \times 2 \times 0.7857 \times (1.23)^2 \times 0.622 (-) 1.48 \text{ m}^3$$

$$64.07 \text{ m}^3$$

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
⑧ Providing and laying R.C.C. up to pipe of 600 mm.					
		2 x 3 x	2.50 =		15.00 m
⑨ Providing and laying R.C.C. up to pipe of 1000 mm.					
		1 x 3 x	2.50 =		7.50 m
⑩ Providing and laying R.C.C. pipe of 300 mm.					
		2 x 4 x	2.50 =		20.00 m
⑪ Construction of embankment with material					
					etc calculation
Chainage	Fill Area	Mean Area	Dist.	Fill volume.	
0	0.490	—	—	—	

50	0.515	0.503	50	25.125
100	0.773	0.644	50	32.250
150	0.707	0.740	50	37.000
200	0.619	0.663	50	33.150
250	0.844	0.732	50	36.575
300	0.662	0.753	50	37.650
350	0.843	0.753	50	37.625
400	0.539	0.691	50	34.550
450	0.740	0.640	50	31.975
500	0.606	0.673	50	33.650
550	0.769	0.688	50	34.325
600	0.865	0.817	50	40.850
650	0.675	0.670	50	33.500
700	0.507	0.491	50	24.550
			Total	472.77 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(12) construction of subgrade and earthen shoulders.					
$23 \times 30 \times 6.83 + 7.72$				$\times 0.30$	$= 1505.93 \text{ m}^3$
$1 \times 10 \times 6.83 + 7.72$				$\times 0.30$	$= 21.83 \text{ m}^3$
					<u>1527.76 m³</u>
(i) lead up to 100m =					99.50 m^3
(ii) lead up to 100m =					1428.26 m^3
(13) construction of G.S.B.					
$23 \times 30 \times 4.05$				$\times 0.20$	$= 558.90 \text{ m}^3$
$1 \times 24 \times 4.05$				$\times 0.20$	$= 19.44 \text{ m}^3$
					<u>578.34 m³</u>
(14) Providing and fixing of metal sign board					2 Nos.

Sumit Kumar
21/10/2020

S.R.

3.11.20
A.E.

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
<u>ABSTRACT OF COST</u>					
(1) Clearing and grubbing risky land.					
0.49 Hec.	vide T&B P-1				
	@ Rs. 51133 = 76/Hec - 25058 =				
(2) Dismantling of existing structure like cut wall cement concrete					
1.80 m ³	vide T&B P-1				
	@ Rs. 484 = 74/m ³ - 873 =				
(3) Dismantling of existing structure like cut wall brick masonry.					
51.93 m ³	vide T&B P-1				

	ex. $231 = 77/m^3 - 12036 = \checkmark$
④ Removing all types of lime pipe up to 600 mm.	
22.50 m vide T&B P-2	
	ex. $174 = 78/m - 3933 = \checkmark$
⑤ Excavation for foundⁿ of structure	
61.12 m³ vide T&B P-2	
	ex. $269 = 32/m^3 - 16461 = \checkmark$
⑥ Providing P.C.C. 1:1:5 in open foundation	
10.29 m³ vide T&B P-2	
	ex. $4927 = 17/m^3 - 50701 = \checkmark$

Continuation

Rs. 109060 = ✓

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
			B.F.K.		109060 = √
⑦ Providing p.c.c. 15-20					
Li substructure					
64.07 m ³ wide T&B P-2					
@ 5712 = 36/m ³					365991 = √
⑧ Providing lat. pipe					
NP ₃ 4-pipe of 600 mm					
15.00 m wide T&B P-3					
@ 1013 = 10/m					15195 = √
⑨ Providing lat. pipe					
NP ₃ 4-pipe of 1000 mm					
7.50 m wide T&B P-3					
@ 3743 = 70/m					28078 = √
⑩ Providing lat. pipe					
600 pipe of 300 mm					
20.00 m wide T&B P-3					
@ 895 = 39/m					17908 = √
⑪ Construction of embank.					
met. with mechanics					
472.77 m ³ wide T&B P-3					
@ 131 = 03/m ³					61947 = √
⑫ Construction of subgrade					
and earthen shoulders					
(i) least up to 1000 m					
99.50 m ³ wide T&B P-4					
@ 176 = 58/m ³					17570 = √
(ii) least up to 100 m					
1428.26 m ³ wide T&B P-4					
@ 141 = 17/m ³					201627 = √

Continuation

R. 817376 = √

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
				B.F.A.	817376 = v
(13) Construction of					
G.S.B.					
578.34 m ³ wide TWP - 4					
@ 2585 = 61/5 ³					1495362 = v
(14) Provisioning of					
7 m x 5 m size board					
2 Nos. wide TWP - 4					
@ 9280 = 92/2					18562 = v
					2331300 = v
Add 12% G.S.T -					279756 = v
1% L.C.E.S -					23313 = v
					2634369 = v
Less 10% (As per rate)					263437 = v

2370932 = w

Sumit Kumar
21/10/2020
S.E.

3.11.20
A.E.

CH
Yashraj
3/11/20