

Name of Road - N.H 30 to Hidayatpur
Schedule XLV-Form No. 134

Executive Engineer, R.W.D.M. DIVISION

Bakhtiyarpur SUB-DIVISION

M.B NO - 7573

Measurement Book

Particulars	Details of actual
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Date of commencement	23/3/23
Date of completion	22/12/2023
Date of measurement	01/12/2023

Continuation

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
Item (2) Excavation for road work as per plan					
120 x 4 ft					
2 x 10 x 30.00 x 0.595 x 0.10 = 31.50 m ³					
2 x 6 x 30.00 x 0.525 x 0.10 = 18.90 m ³					
2 x 1 x 30.00 x 0.525 x 0.10 = 2.10 m ³					
					52.50 m ³

Item (3) Construction of embankment with approved material obtained from borrow pits with lead

up to 1000.00 m etc					
2 x 6 x 30.00 x 1.925 x 0.800 = 554.40 m ³					
2 x 1 x 30.00 x 1.925 x 0.800 = 61.60 m ³					
					616.00 m ³

Item (4) Construction of subgrade & earthwork under -- do -- do etc

2 x 10 x 30.00 x 0.600 x 0.300 = 108.00 m ³					
2 x 10 x 30.00 x 0.600 x 0.300 = 108.00 m ³					
2 x 10 x 30.00 x 0.600 x 0.300 = 108.00 m ³					
2 x 10 x 30.00 x 0.600 x 0.300 = 108.00 m ³					
2 x 3 x 30.00 x 0.600 x 0.300 = 32.40 m ³					
2 x 1 x 10.00 x 0.600 x 0.300 = 3.60 m ³					
2 x 10 x 30.00 x 1.145 x 0.300 = 202.50 m ³					

Continuation

40 = 670.50 m³

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
				106.70.50m ²
Item (4) total (469 sq ft)				
		2 x 6 x 30.00 x 1.125 x 0.317		121.50"
		2 x 1 x 20.00 x 1.125 x 0.300		13.50"
				805.50 m ²

Item (5) Construction of 450
by Prov. Well grad-
ed material gr. II
... do - do - etc

ch. 0' from fair lease

$$1 \times 30.00 \times 6.00 + 3.75 = 146.25 \text{ m}^2$$

$$1 \times 30.00 \times 3.75 + 3.55 = 109.50 \text{ m}^2$$

$$1 \times 30.00 \times 3.55 = 106.50 \text{ m}^2$$

$$3 \times 30.00 \times 3.50 = 315.00 \text{ m}^2$$

$$1 \times 30.00 \times 3.50 + 3.65 = 107.25 \text{ m}^2$$

$$1 \times 30.00 \times 3.65 = 109.50 \text{ m}^2$$

$$1 \times 30.00 \times 3.65 + 3.75 = 111.00 \text{ m}^2$$

$$1 \times 30.00 \times 3.75 + 3.45 = 108.00 \text{ m}^2$$

$$1 \times 30.00 \times 3.45 = 103.50 \text{ m}^2$$

$$1 \times 30.00 \times 3.45 + 3.30 = 101.25 \text{ m}^2$$

$$1 \times 30.00 \times 3.30 + 4.65 = 114.75 \text{ m}^2$$

$$1 \times 30.00 \times 4.65 + 3.70 = 119.25 \text{ m}^2$$

$$1 \times 30.00 \times 4.65 + 3.60 = 123.75 \text{ m}^2$$

$$1 \times 14.00 \times 3.70 = 51.80 \text{ m}^2$$

$$1 \times 20.00 \times 3.75 = 97.50 \text{ m}^2$$

Continuation 40

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
				$\text{Total} = 1204.2 \text{ m}^2$
Item (5) <u>Gravel</u> (450 sq. ft)				
	1	12.00	3.75	67.50 m^2
				1896.70 m^2
Profile for correction	1	5.00	3.00	15.00 m^2
	1	4.50	3.00	13.50 m^2
	1	6.00	3.00	18.00 m^2
	3	4.00	3.00	36.00 m^2
	1	10.00	3.00	30.00 m^2
	1	8.00	3.00	24.00 m^2
	2	2.25	3.00	13.50 m^2
	1	6.00	3.00	18.00 m^2
	1	7.50	3.00	22.50 m^2
	1	5.00	3.00	15.00 m^2
	3	6.50	3.00	58.50 m^2
	1	7.00	3.00	21.00 m^2

	1	5.50	3.00	16.50 m^2
	1	1.00	3.00	3.00 m^2
Beside of DT	2	10	30.00	$0.525 = 31.50 \text{ m}^2$
	2	6	30.00	$0.525 = 189.0 \text{ m}^2$
	2	11	20.00	$0.525 = 21.0 \text{ m}^2$
				2726.90 m^2
				$\text{Qty} = 2726.90 \text{ m}^2 \times 0.100 = 272.69 \text{ m}^3$

Item (6) <u>Prov. laying, spreading & compacting Stone aggregates of specific sizes to 40 mm ga. III</u>				
--- do --- do --- etc.				
	1	30.00	6.00	$3.75 = 146.25 \text{ m}^2$
	1	30.00	3.75	$3.55 = 109.50 \text{ m}^2$
				40955.75 m^2

Continuation

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
				BF = 255.76 m ²
Item (2) Contd (43 m sq ft)				
	1	30.00	3.55	= 106.50"
	3	30.00	3.50	= 315.00"
	1	30.00	3.50 + 3.65	= 107.25"
	1	30.00	3.65	= 109.50"
	1	30.00	3.65 + 3.75	= 111.00"
	1	30.00	3.75 + 3.45	= 108.00"
	1	30.00	3.45	= 103.50"
	1	30.00	3.45 + 3.30	= 101.25"
	2	30.00	3.30 + 4.05	= 238.50"
	1	30.00	4.65 + 3.60	= 123.75"
	1	14.00	3.70	= 51.80"

	1	26.00	3.75	= 97.50"
	1	18.00	3.75	= 67.50"
				1896.80 m ²
				RTA = 1896.80 m ² x 0.075 = 142.26 m ³
				Limit to 142.03 m ³

Item (7) Prov. & applying				
primer coat with bitu-				
-men emulsion (45-D)				
- - do - do - etc				
	1	30.00	6.00 + 3.75	= 146.25 m ²
	1	30.00	3.75 + 3.55	= 109.50"
	1	30.00	3.55	= 106.50"
	3	30.00	3.50	= 315.00"

40 = 677.25 m²
Continuation

PTD

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
					AF = 672.25 m ²
Item (2) Paved (proper Cont)					
1 x 30.00 x 3.50 + 3.65 =					107.25 "
1 x 30.00 x 3.65 =					109.50 "
1 x 30.00 x 3.65 + 3.75 =					111.00 "
1 x 30.00 x 3.75 + 3.45 =					108.00 "
1 x 30.00 x 3.45 =					103.50 "
1 x 30.00 x 3.45 + 3.30 =					101.95 "
2 x 30.00 x 3.30 + 4.65 =					238.50 "
1 x 30.00 x 4.65 + 3.62 =					123.75 "
1 x 14.00 x 3.70 =					51.80 "
1 x 96.00 x 3.75 =					97.50 "
1 x 18.00 x 3.75 =					67.50 "
					1846.80 m ²
					Limit to 1893.75 m ²

Item (3) Prov. & applying tack coat with bitumen emulsion (R & T) -- do -- etc Measurement & Qty same vide Item (7) & Tm Page (6) = 1893.75 m ²					
Item (4) Prov. laying & rolling of close graded premix surfacing material of 20 mm thickness -- etc Qty same vide Item (7) & Tm Page (6) = 1893.75 m ²					

Continuation

PTD

Sch. XIV Form No. 134					Contents of area
Particulars	Details of actual measurement				
	No.	L.	B.	D.	
Item (10) Prov. sloping side					
with 100-120 TPH basket					
type R.M.P. - do - do etc					
Chainage - of from 1.1 km					
$1 \times 30.00 \times 6.00 + 3.75 = 146.25$					
$1 \times 30.00 \times 3.75 + 3.55 = 109.50$					
$1 \times 30.00 \times 3.55 = 106.50$					
$3 \times 30.00 + 3.50 = 315.00$					
$1 \times 30.00 \times 3.50 + 3.65 = 107.25$					
$1 \times 30.00 \times 3.65 = 109.50$					
$1 \times 30.00 \times 3.65 + 3.75 = 111.00$					
$1 \times 30.00 \times 3.75 + 3.45 = 108.00$					

$1 \times 30.00 \times 3.45 = 103.50 \text{ m}^2$				
$1 \times 30.00 \times 3.45 + 3.30 = 101.95 \text{ m}^2$				
$2 \times 30.00 \times 3.30 + 4.65 = 238.50 \text{ m}^2$				
$1 \times 30.00 \times 4.65 + 3.60 = 123.75 \text{ m}^2$				
$1 \times 14.00 + 3.70 = 51.80 \text{ m}^2$				
$1 \times 26.00 + 3.75 = 97.50 \text{ m}^2$				
$1 \times 18.00 \times 3.75 = 67.50 \text{ m}^2$				
				1896.80 m^2
				Limit to 1893.75 m^2

Item (11) Prov. sloping side				
with 100-120 TPH basket				
type R.M.P. - do - do etc				
Area same as item (10) = 1893.75 m^2				
Qty = $1893.75 \text{ m}^2 \times 0.025 = 47.34 \text{ m}^3$				

Continuation

PTD

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item (12) Construction of Dry					
lean cement concrete					
--- do --- do --- etc					
	4	6.00	3.75	0.125	11.25 m ³
	1	4.00	3.75	0.125	1.875 "
	1	3.00	3.75	0.125	1.406 "
	5	6.50	3.75	0.125	10.55 "
	8	3.50	3.75	0.125	13.125 "
	1	30.00	3.75	0.125	14.06 "
	1	8.50	3.75	0.125	3.98 "
	1	10.00	3.75	0.125	4.69 "
					60.936 m ³

Item (13) Construction of Road					
Concrete P.C.C. base					
- ment m. 30 grade					
--- do --- do --- etc					
	10	30.00	3.75	0.125	140.625 m ³
	10	30.00	3.75	0.125	140.625 "
	10	30.00	3.75	0.125	140.625 "
	10	30.00	3.75	0.125	140.625 "
	3	30.00	3.75	0.125	42.22 "
	1	10.00	3.75	0.125	4.69 "
	1	14.00	3.75	0.125	6.56 "
					615.94 m ³
					Limit 615.469 m ³

Continuation

PTD

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item (14) R.L.C.M. 15 grade					
km. stone - do - etc					
(i) km. stone —					3 nos
(ii) 200 m stone —					7 nos
Item (15) Prov. & erecting dir					
sign & place of ent					
- fig. from high - do etc					
$2 \times 1.20 \times 0.80 =$					$1.92 m^2$
Item (16) Prov. & fixing 4 retro					
reflectorized boundary					
marker & uniform					
stone high - do - etc					
(i) 600 mm sq. stone -					38 nos
(ii) 600 mm circular -					8 nos
(iii) 600 x 450 mm rectangular -					8 nos
(iv) 900 mm side octagon -					3 nos
Item (17) R.L.C.M. 15 grade					
boundary pillar - do etc					
					$12 nos$
Item (18) Painting new letter &					
figures - do - etc					
$44 \times 1.00 =$					$44.00 per sq. ft.$

Continuation

Sch. XLV-Form No. 134

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item (21) Provisioning of a R.C.C. pipe, duct 300 mm dia across the road - do - etc.					
2 row $4 \times 2.50 \text{ m} = 20.00 \text{ km}$					
Item (22) Brick masonry work in C.M (1:3) in parapet - do - do - etc.					
$2 \times 5.40 \times 0.40 \times 0.60 = 2.59 \text{ m}^3$					
Item (23) Plastering with C.M (1:4) in 1/2 brick tyre - do - do - etc.					
Side $4 \times 5.40 \times 0.60 = 12.96 \text{ m}^2$					
Top $2 \times 5.40 \times 0.40 = 4.32 \text{ m}^2$					
Front $4 \times 0.40 \times 0.60 = 0.96 \text{ m}^2$					
					18.24 m^2
Item (24) Painting two coats including primer after filling the surface with synthetic enamel paint - do - do - etc.					
Qty same as item (23) = 18.24 m^2					

Continuation

01/12/2013

Continuation

Continuation

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