

N/R - Gharma Kalosohani via Kadam Tola to Kishanganj

Schedule XLV-Form No. 134

Agency - ASHOK KUMAR 'Arca, Ashojpur'

Head - MR - 3054 - Memo - ment - Police - 2018

R.M.D. works

DIVISION

Kishanganj -

R.M.D. works

SUB-DIVISION

Kachodhangan

MEASUREMENT BOOK

3430

Name of work—

1

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				Content area
	No.	L.	B.	D.	
Test 811 A/C Bill					
N/Work- Maint. of Road from Ghurna Kalasohani via Kadam tola to Kishangan Bahadurganj P.W.D. Road Length = 2.700 km					
Head : MR-3054-New - maintenance Police-2018					
Name of Agency :- Ashok Kumar, Asa Bhojpur					

Agreement No - 03/New
MR/MB2/2023-24
Agreement Rate :- 20% below
of B.O.P Rate
Date of work Start - 03.04.2023
Date of Completion - 02.01-24
Date of measurement - 05.10-23
Date of Entry :-

① Clearing and Grubbing.
Road Land :- 20' x 20' x 11'
 $2 \times 10 \text{ No} \times 30.0 \times 1.0 = 600.0 \text{ m}^2$
 $2 \times 10 \text{ No} \times 30.0 \times 1.0 = 600.0 \text{ m}^2$
 $2 \times 6 \text{ No} \times 30.0 \times 1.0 = 360.0 \text{ m}^2$
 $2 \times 1 \text{ No} \times 20.0 \times 1.0 = 40.0 \text{ m}^2$

Continuation

(0.44) = 1600.0 m²

Date of measurement

19

Sch. XLV—Form No. 134 01.01.2024

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① Const. of P.C.C m ³ grade -- D-III for pavement.					
6 No x 30 x 3.75 x 0.160 =					108.0 m ³
1 No x 20.0 x 3.75 x 0.160 =					12.0 m ³
3 No x 30.0 x 3.75 x 0.160 =					54.0 m ³
1 No x 10.0 x 3.75 x 0.160 =					6.0 m ³
6 No x 30.0 x 3.75 x 0.160 =					108.0 m ³
1 No x 20.0 x 3.75 x 0.160 =					12.0 m ³
6 No x 30.0 x 3.75 x 0.160 =					108.0 m ³
1 No x 20.0 x 3.75 x 0.160 =					12.0 m ³
<u>Total =</u>					<u>420.0 m³</u>

② 12413 Kilo metre stone.
Cpt = 4.0 No.

③ 200 mtr Stone.
Cpt = 20.0 No.

④ Providing & laying
Hot applied thermo
Plastic -- D-III

on B.T Surface.
Both side.

$2 \times 10 \text{ No} \times 30.0 \times 0.100 = 60.0 \text{ m}^2$

$2 \times 15 \text{ No} \times 30.0 \times 0.100 = 90.0 \text{ m}^2$

$2 \times 1 \text{ No} \times 15.0 \times 0.100 = 3.0 \text{ m}^2$

$2 \times 15 \text{ No} \times 30.0 \times 0.100 = 90.0 \text{ m}^2$

$2 \times 10 \text{ No} \times 30.0 \times 0.100 = 60.0 \text{ m}^2$

$2 \times 16 \text{ No} \times 30.0 \times 0.100 = 96.0 \text{ m}^2$

$2 \times 1 \text{ No} \times 5.0 \times 0.100 = 1.0 \text{ m}^2$

Total = 400 m²

Continuation

Date of measurement

01-01-2024

17

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents area
	No.	L	B	D.	
① Providing & applying Tack coat with Bitumen Emulsion (ps-1) --- 50mm CH-300 to 600mm					
1 No X 30.0 X 3.75 = 1125.0m ²					
6 No X 30.0 X 3.75 = 675.0m ²					
1 No X 20.0 X 3.75 = 75.0m ²					
3 No X 30.0 X 3.75 = 337.5m ²					
1 No X 10.0 X 3.75 = 37.5m ²					
6 No X 30.0 X 3.75 = 675.0m ²					
1 No X 20.0 X 3.75 = 75.0m ²					
6 No X 30.0 X 3.75 = 675.0m ²					
1 No X 20.0 X 3.75 = 75.0m ²					
CH-1800 to 2700					
3 No X 30.0 X 3.75 = 337.5m ²					
10 No X 30.0 X 3.75 = 1125.0m ²					
1 No X 15.0 X 3.75 = 56.25m ²					
10 No X 30.0 X 3.75 = 1125.0m ²					
1 No X 15.0 X 3.75 = 56.25m ²					
6 No X 30.0 X 3.75 = 675.0m ²					
1 No X 16.0 X 3.75 = 60.0m ²					
2 No X 30.0 X 3.75 = 225.0m ²					
1 No X 10.0 X 3.75 = 37.5m ²					
1 No X 14.0 X (10.20 + 3.75) = 97.65m ²					
2					
Total = 7545.15m ²					
Surf limit qty = 7500.0m ²					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
5 Construction of subgrade on Southern shoulder					
— Do — do — All lot —					
Both sides					
Side of BT pattern					
$2 \times 10 \text{ Nos} \times 30.0 \times 0.900 \times 0.250 = 135.0$					
$2 \times 6 \text{ Nos} \times 30.0 \times 1.0 \times 0.200 = 72.0 \text{ m}^3$					
$2 \times 1 \text{ No} \times 20.0 \times 1.0 \times 0.300 = 12.0 \text{ m}^3$					
$2 \times 3 \text{ Nos} \times 30.0 \times 0.900 \times 0.250 = 40.5 \text{ m}^3$					
$2 \times 1 \text{ No} \times 10.0 \times 0.900 \times 0.250 = 4.5 \text{ m}^3$					
$2 \times 6 \text{ Nos} \times 30.0 \times 0.900 \times 0.250 = 81.0 \text{ m}^3$					
$2 \times 1 \text{ No} \times 20.0 \times 1.0 \times 0.300 = 12.0 \text{ m}^3$					
$2 \times 3 \text{ Nos} \times 30.0 \times 0.900 \times 0.250 = 40.5 \text{ m}^3$					
$2 \times 10 \text{ Nos} \times 30.0 \times 0.900 \times 0.250 = 135.0 \text{ m}^3$					
$2 \times 1 \text{ No} \times 15.0 \times 1.0 \times 0.300 = 9.0 \text{ m}^3$					
$2 \times 10 \text{ Nos} \times 30.0 \times 0.900 \times 0.250 = 135.0 \text{ m}^3$					
$2 \times 1 \text{ No} \times 15.0 \times 1.0 \times 0.300 = 9.0 \text{ m}^3$					
$2 \times 6 \text{ Nos} \times 30.0 \times 0.900 \times 0.250 = 81.0 \text{ m}^3$					
$2 \times 1 \text{ No} \times 16.0 \times 0.800 \times 0.200 = 5.12 \text{ m}^3$					
$2 \times 2 \text{ Nos} \times 30.0 \times 0.800 \times 0.200 = 19.2 \text{ m}^3$					
$2 \times 1 \text{ No} \times 10.0 \times 0.750 \times 0.200 = 3.0 \text{ m}^3$					
$2 \times 1 \text{ No} \times 14.0 \times 0.900 \times 0.250 = 6.3 \text{ m}^3$					
$2 \times 6 \text{ Nos} \times 30.0 \times 0.800 \times 0.250 = 72.0 \text{ m}^3$					
$2 \times 1 \text{ No} \times 20.0 \times 0.900 \times 0.250 = 9.0 \text{ m}^3$					
In BT pattern Total 860.12 m ³					

Continuation

P.T.O

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					$Bf = 47 = 880.12 m^3$
In C-C Portion					
Both sides					
$2 \times 6 No \times 30.0 \times 0.800 \times 0.250 = 72.0 m^3$					
$2 \times 1 No \times 20.0 \times 0.750 \times 0.300 = 9.0 m^3$					
$2 \times 3 No \times 30.0 \times 0.750 \times 0.250 = 28.125 m^3$					
$2 \times 1 No \times 10.0 \times 0.600 \times 0.200 = 2.40 m^3$					
$2 \times 6 No \times 30.0 \times 0.800 \times 0.250 = 72.0 m^3$					
$2 \times 1 No \times 20.0 \times 0.500 \times 0.200 = 4.0 m^3$					
$2 \times 6 No \times 30.0 \times 0.750 \times 0.250 = 67.5 m^3$					
$2 \times 1 No \times 20.0 \times 0.500 \times 0.200 = 4.0 m^3$					
					Total = 1144.77 m ³

(6) Providing & Fixing
 of retro-reflect. - 20 m.
 Cft = 2.0 No.

(7) 600 mm circular
 Cft = 1.0 also.

(8) 600 mm x 450 mm rectangular
 Cft = 2.0 also.

(9) Planting of Tree by
 the Road side -
 Cft = 85.0 also.

(10) Tree Guard
 Cft = 85.0 No.

(11) Providing & laying
 Hot applied Rubber
 mastic Continuation

$2 \times 6 No \times 30.0 \times 0.100 = 36.0 m^2$

Cft = 36.0 m²

ABSTRACT OF COST

① Clearing & Grubbing Road
Land - - - - - All
Qty wide Tms P-2 = 0.54 Hec
@ Rs = 59726.130/Hec = Rs = 32252/-

② Const. of Subgrat & Earthen
Shoul - - - - - All
Qty wide Tms P-20 = 880.12 m³
Qty wide Tms P-21 = 1144.77 m³
@ Rs = 261.680/m³ = Rs = 299563/-

③ Const. of U.S.B for
Paved - - - - - All
Qty wide Tms P-4 = 33.13 m³
@ Rs = 2608.570/m³ = Rs = 86422/-

Continuation

(0.14) = 4,18,237 = 0

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					$Bf = 18 = 12, 46, 422 = 0$
(10) Providing & Laying					
S.D.B.C. - - - - -					All
Qty wide TMB P-18 =					$188.82 m^3$
@ M =					$13884.12 / m^3 = 18 = 26,21,581 = 0$
(11) Const. of P.C.C m30 grad					
For Pavement - - - - -					All
Qty wide TMB P-19 =					$420.0 m^3$
@ M =					$8206.51 / m^3 = 18 = 34,46,734 = 0$
(12) Km Stone.					
Qty wide TMB P-19 =					4.0
@ M =					$2628.32 / each = 10,513 = 0$
(13) 200mm stone.					
Qty wide TMB P-19 =					20.0
@ M =					$747.60 / each = 14,952 = 0$
(14) 600mm Equilateral Triangle					
Qty wide TMB P-21 =					$2.0 m^3$
@ M =					$4250.22 / each = 8500 = 0$
(15) 600mm Circular					
Qty wide TMB P-21 =					$1.0 m^3$
@ M =					$4189.91 / each = 4190 = 0$
(16) 600mm x 450mm Rectangular					
Qty wide TMB P-21 =					2.0
@ M =					$4046.17 / each = 8092 = 0$
					$73,60,984 = 0$

Continuation

~~7261584 = 0~~
7361539 =

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
(17) 19 Planting of Tree				
			P-15 = 23,60,984 cm	
			Qty wide Tmb P-21 = 85.0	
			@ M = 830.40 / each = M = 75653 cm	
(18) 20 Tree Unusual.				
			Qty wide Tmb P-21 = 85.0	
			@ M = 2116.750 / each = M = 1,79,924 cm	
(20) 22 Road marking on				
			BT - - - - - AU	
			Qty wide Tmb P-13 = 400 m ²	
			@ M = 626.110 / m ² = M = 250,44 cm	
(21) 23 Road marking on				
			C.C Portion - - -	
			Qty wide Tmb P-22 = 140.0 m ²	
			@ P-1 = 734.01 / m ² = M = 1,02,761 cm	
(22) 24 Providing & Fixing Typical				
			manly - - - - - AU	
			Qty wide Tmb P-22 = 4.0	
			@ M = 12389.420 / each = M = 49,558 cm	
(23) 25 Earth work in execution				
			for foundation - - - AU	
			Qty wide Tmb P-8 = 124.83 m ³	
			@ M = 269.280 / m ³ = M = 33,630 cm	
			@ P-1 = 80,52,954 cm	

Continuation

8053554

80,53,509 =

Particulars	Details of actual measurement				Contents area
	No.	L.	B.	D.	
$Bf = P-5 = 80.52 \times 5.40$					
24) P.C.C. MIS in lower					
26) Course - - - - - All					
Qty wide TMB P-8 = 9.32 m ³					
@ M = 4518.810/m ³ = M =					42,115
$25) 27) Providing P.C.C. M20$					
- - - - - All					
Qty wide TMB P-9 = 40.80 m ³					
Qty wide TMB P-11 = 2.25 m ³					
- - - - - All					43,05 m ³
@ M = 24910.80/m ³ = M =					211409 211405.20 211409
$26) 28) Const. of R.C.C. m20 in$					
Sub Structure - - - - - All					
Qty wide TMB P-11 = 32.22 m ³					
@ M = 5105.590/m ³ = M =					164,502.00
$27) 29) Providing weep hole.$					
Qty wide TMB P-12 = 36.0					
@ M = 105.70/each = M =					3786.00
$28) 30) Supplying Fitting$					
and placing H/S D bar					
- - - - - All					
Qty wide TMB P-11 = 1.174 m ³					
@ M = 49713.78/MT = M =					58364.00
$(@ M = 85,331.26 =$					

Continuation

~~8533720.00~~

8533685.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					$AF = 15 = 85,33,126 = 00$
(29) Back filling behind					
(31) abutment - - - - - All					
Qty wide TMB P-12 = 3.33m ³					
@ M = 16281m ³ = 14 =					52,574 = 00
(30) Providing & laying Fitting					
(32) media - - - - - All					
Qty wide TMB P-12 = 16.29m ³					
@ M = 2374.70/m ³ = 14 =					38,684 = 00
(31) Providing & laying R.C.C					
(33) mes g in super structure					
- - - - - All					
Qty wide TMB P-14 = 4.40m ³					

$$@ M = 6041.22/m^3 = 14 = 26,581 = 00$$

(32) Supplying Fitting &					
Placing HYSD bar in					
Deck Slab & Superstructure					
Qty wide TMB P-13 = 0.435MT.					
@ M = 50803.97/MT = 14 =					22,100 = 00

(33) Const. of R.C.C Railway					
(35) - - - - - All					
Qty wide TMB P-14 = 5.0m					
@ M = 5472.24/m = 14 =					27,361 = 00

(34) Draining Spout -					
(36) Qty wide TMB P-22 = 4.0m					
@ M = 517.97/each = 14 =					2072 = 00

Continuation

$$C.P.S = 87,02,498 = 00$$

$$87,02,102$$

$$87,03,057 =$$

87030572

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(35/37) Providing cement concrete					
Bearing - coat - 100 mm					
Qty wide Tmp P-14					1.03 m ³
@ RS = 10533.070/m ³					M = 10849200
(36/38) Brick masonry work					
1/4 - 100 - All					
Qty wide Tmp P-22					8.64 m ³
@ M = 6559.210/m ³					M = 5667200
(37/39) Plastering with cement					
Mortar - 100 - All					
Qty wide Tmp P-22					60.48 m ²
@ RS = 182.910/m ²					M = 11062000
(38/40) Painting two coats					
100 - 100 - All					
Qty wide Tmp P-22					60.48 m ²
@ M = 113.270/m ²					M = 6881000
G - Total M =					378796200
Add 12% (4.55%) =					105455500
Add 1% L.C (4) =					8788500
Add S.F (4) =					3170000
Total M =					996209700
Less 20% (6.00%) =					199241900
Net M =					796967800
797018300					797022400
797018800					797018800

Rankin
01.01.2024
J.E.

Continuation

12.03.24
A.E.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Materials STATEMENT</u>					
(1) Embankment (Soil) :-					1144.77 m ³
(2) Stone metuls :-					115.529 m ³
(3) Stone dust :-					20.532 m ³
(4) Local Sand :-					16.962 m ³
(5) Course Sand :-					189.0 m ³
(6) Stone chips :-					670.20 m ³
(7) Emulsion SS :-					0.646 m
(8) Emulsion (RS-1) :-					2.22 m ³
(9) Bitumen (S-90) :-					23.07 m ³
(10) Steel :-					1.609 m ³

Rev'd
01-01-2024

AP 12-03-24
16/05/24

L. No. = 91 dt. 9-3-24					
1. A1 - 7091547.00					
2. (M) - 20105.00					
2P2 - 20105.00					
2P3 - 20105.00					
3. 10 - 20105.00					
20 - 20182.00					

Continuation

Original No - 7970183-00

Proposed - Nil

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7970183-00

Particulars	Details of actual measurement			Contents of area
	No.	Unit	Qty	
S.D -	398509	sq m		
1. Tor -	79702	sq m		
B.GST -	79702	sq m		
S.GST -	79702	sq m		885417=
L. Cess -	79702	sq m		
Pay -	136400	sq m		
S. For -	31700	sq m		
1/2 Chaf -	7084766	sq m		
	7970183	sq m		
Proposed No -	7970183	sq m		
(Seventy Nine lac seven thousand one hundred and eighty three sq m)				
Three sq m				

16/3/24

Executive Engineer
R.W.D. Works Division
Kishanganj-1

16.3.24

Continuation