

AGREEMENT NO-38/m.m.g.s.y/SBD/2019-2020

Schedule XLV-Form No. 134

R.W.D.(W.D) Kishanganj-2 DIVISION

POTHIA SUB-DIVISION

NAME OF WORK-Indorepur Path to P.W.D Sadak

MEASUREMENT BOOK

MB NO-1027

NAME OF AGENCY-PAWAN KUMAR Agrawal
पवन कुमार अग्रवाल

प्रमाणित किया जाता है कि इस माप पुस्तक में कुल 100
(एक सौ) मुद्रित दोहरे पृष्ठ हैं। जो श्री. जी.तेज. कुमार
सहायक अभियंता, प्रा०का०वि०कार्य अवर प्रमण्डल, पौथिया
के नाम से निर्मात किया जाता है।

3/10/10

कार्यपालक अभियंता
प्रा०का०वि०कार्य
अवर प्रमण्डल
पौथिया

30m2
08/03/10

Sch. XLV—Form No. 134

R.W. 277 Kishanpur DIVISION
POTHIA SUB-DIVISION

Measurement Book

No. 1027

Name of Officer _____

Date of first entry _____

Date of last entry _____

1st on AIC Bill

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.	
N/W - Construction of Road and CD works from Jalespur Path to P.W.D Sadak under MMBSY (SC)					
Agency - Pawan Kumar Agrawal					
Dated Start - 26-02-2020					
Dated Completion - 25-02-2021					
Dated Entry - 05-06-2020					

(1) Setting out Bench marks
do do -

$$- 10 \times 30 \text{ cm} = 300 \text{ cm}$$

$$- 30 \times 30 \text{ cm} = 900 \text{ cm}$$

$$- 30 \times 30 \text{ cm} = 900 \text{ cm}$$

$$- 4 \times 30 \text{ cm} = 120 \text{ cm}$$

$$- 18 \times 30 \text{ cm} = 540 \text{ cm}$$

$$- 1 \times 20 \text{ cm} = 20 \text{ cm}$$

$$- 7 \times 30 \text{ cm} = 210 \text{ cm}$$

$$- 1 \times 10 \text{ cm} = 10 \text{ cm}$$

$$3000 \text{ cm}$$

$$= 3 \text{ km}$$

(2) Paved Road Pulling

do do -

do do do do (1) = 3 km

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(3) Disturbance 1st Baffle medium lands do do					
$- 2 \times 6.00 \times \frac{1.20 + 0.40}{2} \times 190 = 1824 \text{ m}^2$					
or 17.33 m ²					

- (4) Remove boom data HP
Booms with chuglin
Side do do
or $2 \times 2.50 \text{ m} = 5.00 \text{ m}$

- (5) chug and gutter the
Side with small work
part do do

$$\begin{aligned}
 &- 20 \times 30.00 \times 2 \times 1.50 = 1800.00 \text{ m}^2 \\
 &- 30 \times 30.00 \times 2 \times 1.20 = 2160.00 \text{ m}^2 \\
 &- 24 \times 30.00 \times 2 \times 1.100 = 1584.00 \text{ m}^2 \\
 &- 18 \times 30.00 \times 2 \times 1.20 = 1296.00 \text{ m}^2 \\
 &- 1 \times 20.00 \times 2 \times 1.00 = 40.00 \text{ m}^2 \\
 &- 7 \times 30.00 \times 2 \times 1.80 = 630.00 \text{ m}^2 \\
 &- 1 \times 10.00 \times 2 \times 1.50 = 30.00 \text{ m}^2 \\
 &\quad \quad \quad 7540.00 \text{ m}^2 \\
 &\quad \quad \quad \text{or } 6800 \text{ m}^2 \\
 &\quad \quad \quad \text{or } 0.68 \text{ Hg}
 \end{aligned}$$

- (6) Construction of Substructure
cutting shoulder do do
all cable job.

$$\begin{aligned}
 &- 20 \times 30.00 \times 6.00 \times 0.40 = 1440.00 \text{ m}^3 \\
 &- 20 \times 30.00 \times 7.300 \times 0.30 = 1314.00 \text{ m}^3 \\
 &\text{Continuation} \\
 &- 20 \times 30.00 \times 7.00 \times 0.35 = 1470.00 \text{ m}^3 \\
 &- 14 \times 30.00 \times 5.50 \times 0.45 = 1039.50 \text{ m}^3 \\
 &- 14 \times 30.00 \times 6.00 \times 0.30 = 972.00 \text{ m}^3 \\
 &- 1 \times 20.00 \times 7.300 \times 0.300 = 43.80 \text{ m}^3 \\
 &\quad \quad \quad 729.30 \text{ m}^3
 \end{aligned}$$

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D.	
					25. 6279.30 m ³
					7 x 3000 x 6.50 x 0.30 = 409.50 m ³
					- 1 x 1000 x 6.50 x 0.30 = 19.50 m ³
					67 08.30 m ³

(7) Continuation of estimate

with above materials

for 100 m dead end

Cement job.

By Searth Chart

Chain-	Full Area	Half Area	Dist	Value
00+00	2.345	—	—	—
100+00	2.374	2.360	100	235.950
200+00	2.365	2.370	100	236.950
300+00	1.365	1.865	100	186.500
400+00	2.658	2.012	100	201.750
500+00	5.988	4.323	100	432.300
600+00	4.522	5.255	100	525.500
700+00	7.322	5.922	100	592.200
800+00	5.325	6.324	100	632.350
900+00	1.256	3.291	100	329.050
1000+00	7.233	4.245	100	424.450
1100+00	8.566	2.900	100	789.950
1200+00	6.325	7.446	100	744.550
1300+00	2.003	4.184	100	416.400
1400+00	6.566	4.285	100	428.450
1500+00	5.233	5.900	100	589.250
1600+00	7.233	6.233	100	623.300
1700+00	6.233	Continuation 6.733	100	673.300
1800+00	3.994	5.114	100	511.350

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1900-00	8.565	6.280	100		627.950
2000-00	2.468	5.517	100		551.650
2100-00	7.235	4.852	100		485.150
2200-00	2.149	4.692	100		469.200
2220-00	3.149	2.649	20		52.980
00-00	6.255	—	—	—	—
100-00	3.268	1.762	100		176.150
200-00	6.325	4.392	100		439.650
300-00	4.235	5.280	100		528.000
400-00	5.222	4.729	100		472.850
500-00	3.402	4.312	100		431.200
560-00	1.595	2.499	60		149.910

00-00	0.888	—	—	—	—
100-00	3.235	2.662	100		266.150
200-00	4.125	3.680	100		368.000
220-00	0.885	2.490	20		49.800

13622.290m²Deduction

(i) Shale	—	8564.66m ³
(ii) W.B.	—	2478.60m ³
(iii) W.B. & S.P.	—	860.63m ³
(iv) P.M.C.	—	229.50m ³
		1489.50m ³
Went 80% of	—	1191.00m ³
(8) Finally within the		
lined with a brick		

do do.

Continuation

P.T.O.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
- 10 x 30.00 x 4.05 x 0.200 =					243.00 m ³
- 20 x 30.00 x 4.05 x 0.200 =					486.00 m ³
- 20 x 30.00 x 4.05 x 0.200 =					486.00 m ³
- 20 x 30.00 x 4.05 x 0.200 =					486.00 m ³
- 16 x 30.00 x 4.05 x 0.200 =					388.80 m ³
- 5 x 30.00 x 4.05 x 0.200 =					121.50 m ³
					<u>2211.30 m³</u>

(9) Panku wBM 25-11
with above quality
choko

- 20 x 30.00 x 3.75 x 0.075 =	168.75 m ³
- 20 x 30.00 x 3.75 x 0.075 =	168.75 m ³
- 20 x 30.00 x 3.75 x 0.075 =	168.75 m ³
- 7 x 30.00 x 3.75 x 0.075 =	59.06 m ³
- 15 x 30.00 x 3.75 x 0.075 =	126.56 m ³
	<u>691.87 m³</u>

(10) Gulta / medium mudolin
in bulkin truck choko

- 4 x 2 x 6.450 x 1.40 x 1.50 =	108.36 m ³
- 4 x 1 x 4.850 x 1.530 x 0.500 =	14.84 m ³
	<u>123.20 m³</u>
	119.20 m ³

(11) Panku PCC M15 mix
bulkin truck choko

- 4 x 2 x 6.450 x 1.40 x 0.150 =	10.84 m ³
- 4 x 1 x 4.931 x 1.530 x 0.250 =	7.54 m ³
	<u>18.38 m³</u>

less ch H P

$$4 \times 0.250 \times 0.785 \times (1.23)^2 = 76.53 m^3$$

X Continuation
5.496

11.85 m³

In 11.84 m³

[illegible]

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Metal skid</u>					
(I) W-SB-					1981.32 m ³
(II) Lulso-					849.14 m ³
(III) W BM 92-11					837.16 m ³
(IV) Seening Melody					202.71 m ³
(V) Skid clips					100 m ³
(VI) Cause soil					50 m ³
(VII) Cement					36.572 m ³

Ans
 56.2020
 SE

Continuation

Abstract of Cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) Setting out with Bench mark close					
Drum No (1) P-1 u-l					
3.00 km					
@ Rs 3962.66/km —					11888.20
(2) Bench Return Felling close					
Drum No (2) P-1 u-l					
3.00 km					
@ Rs 1817.29/km —					5452.20
(3) clearing and grubbing under existing grass close					
Drum No (5) P-2 u-l					
0.68.00 Hq					
@ Rs 51133.06/Hq —					34771.20
(4) 10' diameter 1m old structure close					
Drum No (3) P-2 u-l					
17.33 m ³					
@ Rs 231.77/m ³ —					4017.20
(5) Remove HP old with stabilizer close					
Drum No (4) P-2 u-l					
5.00 m					
@ Rs 174.78/m —					874.20

Continuation

Rs 57002.20

P.T.O.

Continuation

P.T.O.

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
	BF-4				10466893=00
(10) Earthwork excavated in foundation trenching do					
Quantity sh No (10) P-542					
119.20 m ³					
@ 269.32 / m ³					3210320
(11) Foundation PCC 415 mm					
foundation trenching do					
do -					
Quantity sh No (11) P-542					
11.84 m ³					
@ 5632.27 / m ³					66686200

(12) Foundation PCC 415 mm					
foundation to Plinth do do					
Quantity sh No (12) P-642					
98.64 m ³					
@ 6324.92 / m ³					62389020
(13) Plinth NP3 1000 mm					
dia below Plinth with					
width and height do do					
Quantity sh No (13) P-6					
41.30 m ³					
@ 4103.80 / m ³					12311420
					11312686200
					P.T.O.

Continuation

Continuation