

N/E - KHEER KORI Road to Berrme tolg

Schedule XLV Form No. 134

आयुक्त काय विभाग

कार्य प्रसंकरण शाखीगल

Paliqant

DIVISION

Paliqant

SUB-DIVISION

AGNO-03/SBB/MMHSY/NDB/2020-21

Measurement Book

द्वारा - Shree Construction

प्रमाणित किया जाता है कि इस मापी
पुस्त में कुल 100 (एक सौ) पन्ने हैं जो
MMJSY NDB भन्तर्गत Khiri Kori Road
to Berma to वास्तविक पथ का मापी लिये
है। सहायक अभियंता कार्य भण्डार प्रमंडल
पालीगंज के नाम से निर्दिष्ट किया जाता
है।



17/11/23

कार्यपालक अभियंता

ग्रामीण कार्य विभाग

भण्डार प्रमंडल-पालीगंज


17/11/23

Sch. XLV - Form No. 134

MMJSY NDB

पालीगंज DIVISION

पालीगंज SUB-DIVISION

कार्य - Khiri Kori Road to Berma to

लवेदार - Shrey construction

Measurement Book

No.

AJ NO - 03/SBD/MMJSY NDB/2020-21

Name of officer _____

Date of first entry _____

Date of last entry _____

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 measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
Name of work	Construction & five yr.				
	Maintenance of road.				
	Package From				
	Kharri Kori road to				
	Bapona Tola.				
Agency	Shree Construction,				
	POOP. Nirpendra Kumar				
	Add + Vill + PO - Amkara.				
	PS - Bante, pin no. 8418.				
Agno	03GBD/MHUSY NDB 2020-21.				
Date of commencement	24-09-2020				
Date of Completion	23-09-2021.				
① Setting out Pillars: Providing					
& Fixing of BM Mark Pillars --- etc					
					1.520 Km
					1.520 Km
					1.520
② Setting out Pillars: Providing					
& Fixing of reference					
clearing and grubbing road					
Land including uprooting --- etc					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
10 x 30.0 x 3.50				=	1050.0 m ²
10 x 30.0 x 3.50				=	1050.0 m ²
10 x 30.0 x 3.50				=	1050.0 m ²
10 x 30.0 x 3.50				=	1050.0 m ²
10 x 30.0 x 3.50				=	1050.0 m ²
1 x 20.0 x 3.50				=	140.0 m ²
				=	5390.0 m ²
<i>104/08/2023</i>				=	0.539 Hec

③ Construction of Embankment with
obtained from borrow pits with
a lift upto 1.50 m ----- 1/5

Sl. No	Chain- age	Area	Mean Area	Distance	Volume
1.	0.0	0.699			
2.	50.0	0.771	0.735	50.0	36.750
3.	100.0	0.703	0.737	50.0	36.850
4.	150.0	0.626	0.665	50.0	33.225
5.	200.0	0.624	0.625	50.0	31.250
6.	250.0	0.737	0.681	50.0	34.025
7.	300.0	0.693	0.715	50.0	35.750
8.	350.0	0.703	0.698	50.0	34.900
9.	400.0	0.755	0.729	50.0	36.450
10.	450.0	2.450	1.603	50.0	80.125
11.	500.0	2.685	2.568	50.0	128.375
12.	550.0	3.167	2.926	50.0	146.300
13.	600.0	2.989	continuation	50.0	153.900

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
SL. NO	charge	Area	Mean Area	WH	Volume
14.	650.	650.0 2.4770	2.733	50.0	136.650
15	700	700.0 2.932	2.705	50.0	135.225
16.	750	0.747	1.840	50.0	91.975
17.	800	0.446	0.597	50.0	29.825
18	850.0	0.425	0.436	50.0	21.775
19	900.0	0.582	0.674	50.0	25.175
20	950.0	0.360	0.471	50.0	23.550
21	1000.0	0.737	0.549	50.0	27.425
22	1050.0	0.563	0.653	50.0	32.650
23	1100.0	0.308	0.429	50.0	21.925 15.950
24	1150.0	0.250	0.279	50.0	13.450 11.475
25	1200.0	0.606	0.428	50.0	21.400
26	1250.0	0.348	0.477	50.0	23.850
27	1300.0	2.732	1.540	50.0	77.00
28	1350.0	2.860	2.736	50.0	139.800
29	1400.0	2.914	2.887	50.0	144.350
30	1450.0	2.740	2.827	50.0	141.350
31	1500.0	3.475	3.108	50.0	155.325
32	1530	3.117	3.286	50.0	98.880
Total g/w Quantity.				=	2150.050 m ³
(i) Lead up to 1000.0 m				$= \frac{2150.05 \times 30}{100}$	$= 645.00 m^3$
(ii) Lead up to 100.0 m				$= \frac{2150.05 \times 30}{100}$	$= 1505.02 m^3$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
④ Excavation in soil using Hydraulic excavator and tipper with disposal upto 1000 m- For rigid pavement					
	2×385.0	$\times 0.375$	$\times 0.175$		$= 50.531 \text{ m}^3$
	2×400.0	$\times 0.375$	$\times 0.175$		$= 26.250 \text{ m}^3$
For Flexible pavement					
	2×340.0	$\times 0.525$	$\times 0.100$		$= 35.70 \text{ m}^3$
					112.481 m^3
⑤ USB in-I Material: Construction of USB by providing well graded material, stretching in uniform in ce portion					
chainage 0 to 125.0 m					
	$2 \times 12 \times 30.0$	$\times 0.375$	$\times 0.100$		$= 27.00 \text{ m}^3$
	$2 \times 1 \times 25.0$	$\times 0.375$	$\times 0.100$		$= 1.875 \text{ m}^3$
	40×3.75	$\times 0.100$			$= 15.00 \text{ m}^3$
chainage 760.0 m to 1190.0 m = 430.0 m					
	30×3.75	$\times 0.100$			$= 11.250 \text{ m}^3$
	6×30.0	$\times 0.375$	$\times 0.100$		$= 6.750 \text{ m}^3$
	6×30.0	$\times 0.375$	$\times 0.100$		$= 6.750 \text{ m}^3$
	1×30.0	$\times 0.375$	$\times 0.100$		$= 1.125 \text{ m}^3$
	1×10.0	$\times 0.375$	$\times 0.100$		$= 0.375 \text{ m}^3$
					70.125 m^3

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
BT portion					
chainage					
425.0m to 760.0m = 335.0m					
$2 \times 11 \times 30.0 \times 0.525 \times 0.200 =$					$69.30m^3$
$11 \times 30.0 \times 3.00 \times 0.100 =$					$99.0m^3$
$2 \times 50 \times 50.525 \times 0.200 =$					$1.05m^3$
$1 \times 50 \times 3.00 \times 0.100 =$					$1.50m^3$
chainage 1190.0m to 1530.0m = 340.0m					
$5 \times 30.0 \times 0.100 =$				2	$15.0m^3$
$1 \times 10.0 \times 0.100 =$				2	
$6 \times 30.0 \times 4.00 \times 0.200 =$				2	
$5 \times 30.0 \times 3.75 \times 0.100 =$				2	$56.25m^3$
$1 \times 10.0 \times 3.75 \times 0.100 =$				2	$3.75m^3$
$6 \times 30.0 \times \frac{3.75 + 4.00}{2} \times 0.200 =$					$139.50m^3$
$5 \times 30.0 \times 3.75 \times 0.100 =$					$56.25m^3$
$1 \times 10.0 \times 3.75 \times 0.100 =$					$3.75m^3$
$6 \times 30.0 \times 4.00 \times 0.200 =$					144.00
					$374.85m^3$
Net Quantity of USB =					
$374.85 + 70.125 =$					$444.975m^3$
By 17/08/2022					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑥ WBM grading & providing					
Laying, spreading and Compacting					
stone aggregates - - - - -					
2x12.					
Chainage 0.0m to 425.0m					
$2 \times 6 \times 30.0 \times 0.375 \times 0.075 =$					$10.125 m^3$
$1 \times 6 \times 30.0 \times 0.375 \times 0.075 =$					$5.062 m^3$
$2 \times 1 \times 20.0 \times 0.375 \times 0.075 =$					$11.250 m^3$
					$4.225 m^3$
Chainage 460.0m to 1190.0m					
					$= 430.8m$
$7 \times 30.0 \times 3.75 \times 0.075 =$					$59.062 m^3$
$10 \times 3.75 \times 0.075 =$					$2.812 m^3$
$3 \times 3 \times 30.0 \times 0.375 \times 0.075 =$					$2.531 m^3$
$1 \times 1 \times 20.0 \times 0.375 \times 0.075 =$					$0.843 m^3$
$3 \times 30.0 \times 3.75 \times 0.075 =$					$25.312 m^3$
					$116.997 m^3$
BT Portion					
Chainage 425.0m to 760.0m					$= 335.0m$
$11 \times 30.0 \times 3.75 \times 0.075 =$					$92.812 m^3$
$1 \times 5.0 \times 3.75 \times 0.075 =$					$1.406 m^3$
Chainage 1190.0m to 1530.0m					$= 340.0m$
$11 \times 30.0 \times 3.75 \times 0.075 =$					$92.812 m^3$
$1 \times 10.0 \times 3.75 \times 0.075 =$					$2.812 m^3$
Continuation					$189.849 m^3$

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Net Quantity of WBM [B.M.] =					
$116.957m^3 + 189.842$				$= 306.799m^3$	
On 15/05/2018					
(7) Cement-Concrete Pavement					
Construction of un-reinforced,					
fewer joint of expansion and					
construction joint only					
Change - 220 cm to 425 cm.					
7				$= 225 cm$	
$1 \times 30.0 \times 3.75 \times 0.160$					$18.00m^3$

$1 \times 10.0 \times 3.75 \times 0.160$	$=$	$6.00m^3$
$1 \times 10.0 \times \frac{3.75+4.00}{2} \times 0.160$	$=$	$6.20m^3$
$1 \times 20.0 \times \frac{4.00+4.20+3.75}{3} \times 0.160$	$=$	$12.730m^3$
$4 \times 30.0 \times 3.75 \times 0.160$	$=$	$72.00m^3$
$1 \times 15.0 \times 3.75 \times 0.160$	$=$	$9.00m^3$
$225.0m$		
$1 \times 20.0 \times \frac{3.75+4.00+4.50}{3} \times 0.160$	$=$	$13.066m^3$
$1 \times 20.0 \times \frac{4.50+4.20}{2} \times 0.160$	$=$	$13.60m^3$
$1 \times 20.0 \times \frac{4.00+3.75}{2} \times 0.160$	$=$	$12.40m^3$
$2 \times 30.0 \times 3.75 \times 0.160$	$=$	$36.00m^3$
$3 \times 30.0 \times 3.75 \times 0.160$	$=$	$54.00m^3$
$1 \times 30.0 \times \frac{3.75+4.00}{2} \times 0.160$	$=$	$16.68m^3$
$5 \times 30.0 \times 3.75 \times 0.160$	$=$	$90.00m^3$
$1 \times 20.0 \times 3.75 \times 0.160$	$=$	$12.00m^3$

410.0m

Continuation

371.675m³



22/10/2023

Continuation

July 06/12/2023
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Abstract of cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1/1) Shifting out P/1905 - 4/1					
Qty. vid. TMBP - (1)					
1.520 Km @		11874.74	RS		18042.60
(2/2) clearing & grubbing Road					
Land - - - - - 4/1					
Qty. vid. TMBP - (2)					
0.539 Hec @ RS 51161.75 = RS					27576.18
(3/4) Construction of Embankment					
with material obtained from					
borrow pits - - - - - 4/1					
For 1000.0m lead					
Qty. vid. TMBP - (3)					
645.0m ³ @ RS 176.888 = RS					114074.78
(4/5) Construction of embankment					
with material obtained from					
borrow pits - - - - - 4/1					
for 1000 m lead					
Qty. vid. TMBP - (4)					
1505.021 m ³ @ RS 133.790 = RS					210386.88
(5/3) excavation for roadwork in					
soil hydraulic excavator - - 4/1					
Qty. vid. TMBP - (4)					

Continuation

112.451 m³ @ RS 74.160 = RS 8341.59

RS 378428.95

[illegible]