

ସମସ୍ତଙ୍କୁ ଜଣାଇବା ପାଇଁ ଏହି ନିବନ୍ଧ (ନିବନ୍ଧ) ରେ

Measurement Book

Schedule XLY-Form No. 134

EXECUTIVE ENGINEER
PALDHAN I.

DIVISION

MAJOR PUP

SUB-DIVISION

NO. 1340-634

NAME OF AGENCY → PABISHEK
NAME OF S.D.O → SHAN SHANKAR RAM

filed that this M.B. Contains
100 (One hundred) Nos of Machine
No & issued to Sri. SHIV SHANKAR
RAM F. D. works
Sub-Division NAUBATPUR.

Ad 013
Rural Works, District
01/3/24

Sch, XLV-Form No. 134

EXECUTIVE ENGINEER
PALAMANI DIVISION

NAUBATPUR SUB-DIVISION

Measurement Book

No. 634

Name of Officer _____

Date of first entry _____

Date of last entry _____

Ist on A/c Bill

1

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.	
Name of Work - Const 2 & five year maintenance of road from Piplawar Matikhan to Rangark under MMGSY (SC)					
Agency - Sri Abhishek At Gopalpur, Patna.					
Agreement No - CG SBD/MMGSY (SC)/ 2020-21					
Date of Commencement - 01-03-2021					

① Providing and fixing of typical MMGSY informatory sign board with logo.					
(i) Logo board					1 No.
(ii) Citizen board					1 No.
(iii) Maintenance of informatory board					1 No.
					3 Nos.
② Const 2 of Benchmark and reference pillars - 1.8231cu					
③ Clearing and grubbing road land including uprooting wild vegetation.					
1823 X 7.00					12761 m ²
					i.e. 1.28 hect.

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4) Const ⁿ of embankment with approved material obtained from borrow pits -					
ST. No.	Ch. (m)	Area (m ²)	Mean Area (m ²)	Distance (m)	Volume (m ³)
1.	0	1.657			
2.	50	1.668	1.660	50	83.000
3.	100	2.430	2.097	50	102.355
4.	150	2.507	2.469	50	123.425
5.	200	2.001	2.254	50	112.700
6.	250	2.283	2.192	50	109.600
7.	300	1.786	2.085	50	104.225
8.	350	3.888	2.807	50	140.350
9.	400	3.386	3.602	50	180.700
10.	450	1.917	2.653	50	132.625
11.	500	2.318	2.118	50	105.875
12.	550	2.182	2.250	50	112.500
13.	600	2.157	2.170	50	108.475
14.	650	3.528	2.843	50	142.15
15.	700	2.718	3.123	50	156.150
16.	750	3.581	3.150	50	157.475
17.	800	3.143	3.362	50	168.100
18.	850	3.149	3.146	50	157.300
19.	900	1.829	2.489	50	124.450
20.	950	1.674	1.753	50	87.625
21.	1000	2.476	2.076	50	103.800
22.	1050	2.418	2.447	50	122.350
23.	1100	2.175	2.297	50	114.825

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
SJ. No.	Ch. (m)	Area (sq. m)	Area (sq. m)	Dist. (m)	Volume (cu. m)
24.	1150	2.310	2.243	50	112.125
25.	1200	1.341	1.822	50	91.275
26.	1250	2.241	1.816	50	90.800
27.	1300	2.072	2.182	50	107.675
28.	1350	1.461	1.727	50	88.325
29.	1400	1.756	1.607	50	80.425
30.	1450	1.154	1.455	50	72.750
31.	1500	1.891	1.523	50	76.125
32.	1550	1.537	1.714	50	85.700
33.	1600	1.673	1.605	50	80.250
34.	1650	1.642	1.660	50	82.975
35.	1700	1.653	1.650	50	82.425
36.	1750	1.451	1.567	50	77.350
37.	1800	1.952	1.719	50	85.925
38.	1850	1.661	1.809	50	90.425
					4056.700
(i) Lead up to 100 m.					
70% of 4056.700					2839.693
(ii) Lead up to 7000 m.					
30% of 4056.700					1217.012
Extra 20/02/22					
20/02/22					
(5) Const. of Subgrade & gutter shoulders -					
for BT road portion -					
56 x 30 x 7.50 av. x 0.30 -					3780.000
23 x 7.50 av. x 0.30 -					51.750
					3831.750

20/02/22
J.E

20/02/22
A.E
Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
3 Nos. HPC of 1x1000mm ϕ					
⑥ E/W in excavation of structure as per drawing.					
F/W - $3 \times 2 \times 6.30 \times 1.40 \times 1.50$					79.38 m^3
Pipe portion - $3 \times 1 \times 5.90 \times 1.50 \times 0.25$					7.98 m^3
					87.36 m^3
⑦ Providing concrete for plain/reinforced concrete in open foundation (PCC M15)					
As F/W above levelling course					
$3 \times 2 \times 6.30 \times 1.40 \times 0.150$					7.938 m^3

⑧ Providing concrete for plain/reinforced concrete in open foundation (PCC M20)					
As F/W in foundation -					
$3 \times 2 \times 6.00 \times 1.025 \times 0.35$					49.815 m^3
Below pipe -					
$3 \times 1 \times 5.90 \times 0.25$					4.425 m^3
					54.24 m^3

⑨ Plain/reinforced cement concrete in substructure (PCC M20)					
As F/W - $3 \times 2 \times 6.00 \times 0.533 \times 1.30$					34.538 m^3
Parapet - $3 \times 2 \times 6.00 \times 0.40 \times 0.60$					8.64 m^3
Deduct pipe portion -					
$3 \times 2 \times 0.785 \times (1.20)^2 \times 0.60$					4.069 m^3
					39.109 m^3

Continuation

Defn -
25/05/22
S.E

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(10) Providing and laying					
in reinforced cement concrete					
pipe NP3 for culverts on					
first class Bedding (100mm ϕ)					
3x3x2.50					22.50 m
(11) Conv ⁿ of granular sub					
base by providing well					
graded material.					
for cc portion					
1x30x	$\frac{5.00+3.85}{2}$		x0.10		13.275 m ³
1x30x	$\frac{3.85+3.25}{2}$		x0.10		11.400 m ³
for BT Portion					
1x30x	$\frac{3.25+3.50}{2}$		x0.10		10.875 m ³
1x30x	$\frac{3.50+3.25}{2}$		x0.10		11.550 m ³
for BT Portion					
1x30x	$\frac{4.30+4.05}{2}$		x0.200		25.05 m ³
2x30x	4.05		x0.200		48.60 m ³
1x30x	$\frac{4.05+4.50}{2}$		x0.200		25.65 m ³
1x30x	$\frac{4.50+4.10}{2}$		x0.175		22.575 m ³
1x30x	4.10		x0.200		24.60 m ³
3x30x	4.10		x0.175		64.575 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
5x30x4.10x0.200					123.00m ³
5x30x4.10x0.200					123.00m ³
1x30x4.10+4.60+4.10				0.125	23.68m ³
3					
1x30x4.10x0.200					24.60m ³
1x30x4.10x0.175					21.55m ³
8x30x4.10x0.200					196.80m ³
7x30x4.10+4.65+4.10				0.200	25.70m ³
3					
6x30x4.10x0.200					147.60m ³
					944.055m ³
					944.055m ³

Abstract of Cost

- (1/3) Providing and fixing of typical MINSY information sign board with Logo & maintenance board - 300
- 3 Nos. Qty vide TMBP (1) item (1)
- @ Rs. 9376.81/No — Rs. 28131.20
- (2/1) Constⁿ of benchmark and reference pillars -
- 1.823 km Qty vide TMBP (1) item (1)
- @ Rs. 10949.59/km — Rs. 19961.20
- (3/2) Clearing and grubbing road land including uprooting wild vegetation.
- 1.28 hect. Qty vide TMBP (1)

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
item (3) @ Rs. 52998.20/hect. - Rs. 67838.20					
(4) Const ⁿ of embankment with approved material obtained from borrow pits					
Lead upto 100 m - Rs. 1028					
2839.69 m ³ qty vide TMBP (3)					
item (4) @ Rs. 154.55/m ³ - Rs. 438959.20					
(5/3) Const ⁿ of embankment with approved material obtained from borrow pits					
Lead upto 1000 m -					
1217.01 m ³ qty vide TMBP (3)					
item (4) @ Rs. 192.03/m ³ - Rs. 2,33,702.20					
(6/5) Const ⁿ of subgrade & earthen shoulders -					
3831.75 m ³ qty vide TMBP (3)					
item (5) @ Rs. 190.01/m ³ - Rs. 728071.20					
(7/25) E/W in excavation of structure as per drawing					
87.36 m ³ qty vide TMBP (4)					
item (6) @ Rs. 305.42/m ³ - Rs. 26681.20					
(8/26) Providing concrete for plain/reinforced concrete in open foundation (PCC M15)					
7.938 m ³ qty vide TMBP (4)					
item (7) @ Rs. 5069.58/m ³ - Rs. 40242.20					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(9/27) Providing concrete for plain/reinforced concrete in open foundation (PCC M20)					
54.24 m ³ qty vide TMBP (14)					
item (8) @ Rs. 5546.97/m ³ - Rs. 300868=00					
(10/30) Plain/reinforced cement concrete in substructure (PCC M20)					
39.109 m ³ qty vide TMBP (4)					
item (4) @ Rs. 5779.31/m ³ - Rs. 226026=00					
(11/31) Providing and laying reinforced cement concrete pipe RPS for culvert on					
first class bedding					
22.5 m qty vide TMBP (5) item					
(10) @ Rs. 3659.79/m - Rs. 82350=00					
(12/6) Const ^g of granular sub-base by providing well graded material -					
944.055					
944.055 m ³ qty vide TMBP (5-6)					
item (11) @ Rs. 2639.15/m ³ - Rs. 2491503=00					
Rs. 46,84,332=00					
Add 1% L/C (+)					
Add 1% L/C (+)					
Add 5% margin (+)					
Less 16.75% paper agg. (-)					
Rs. 44,56,204=00					
Subt. 29/06/2022 J.E					
29/06/2022 A.E					

Continuation