कालापुर मंगलानपुर से अजवाँ
पथानी

BRN/19-20

Measurement Book

Schedule XLV-Form No. 134

EXECUTIVE ENGINEER
PALIGANJ

DIVISION

NAUBATPUR.

SUB-DIVISION

NAME OF A.E - SRI SHIV SHANKAR RAM

NAME OF AGENCY - S.B. ENGICON M.BNO - 606

SHRI SHANKAR RAM NAUBATPUR.

Executive Engineer
Rural Works Deptt.
Work Division Paliganj

This M.B. Re. issued to Smt Deepa J.E Naukalpur.

8 Sets.

12.11.20

सहायक अभियंता
ग्रामीण कार्य विभाग
कार्य अवर प्रमंडल, नौबतपुर

Sch, XLV-Form No. 134

EXECUTIVE ENGINEER PALIGANJ DIVISION

NAUBATPUR SUB-DIVISION

Measurement Book

No. 606

Name of Officer _____

_____

Date of first entry _____

Date of last entry _____

Final

Ist and ~~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 No.	L.	B.	D.	Contents of area
Name of work - Repair & five year maintenance of road from Kalapur Bhagwanpur to Ajwan Bthari road under New maintenance policy 2018.					
Agency - S.B. Engicon Pvt. Ltd.					
Agreement No. - 02/NRD/2020-21					
Date of commencement - 15-05-2020					
Date of completion - 14-02-2021					
① Clearing and Grubbing road land -					
$2 \times 3 \times 30 \times \frac{1.20+1.25}{2}$				=	$220.50 m^2$
$2 \times 8 \times 30 \times 1.25$				=	$600.00 m^2$
$2 \times 5 \times 30 \times \frac{1.25+1.15}{2}$				=	$360.00 m^2$
$2 \times 7 \times 30 \times \frac{1.15+1.20}{2}$				=	$493.50 m^2$
$2 \times 8 \times 30 \times \frac{1.20+1.25}{2}$				=	$588.00 m^2$
$2 \times 3 \times 30 \times \frac{1.25+1.10}{2}$				=	$211.50 m^2$
$2 \times 7 \times 30 \times \frac{1.10+1.15}{2}$				=	$472.50 m^2$
$2 \times 6 \times 30 \times \frac{1.15+1.25}{2}$				=	$432.00 m^2$

Continuation

Sch. XIV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	2 × 8 × 30 ×	$\frac{1.25+1.00}{2}$		=	540.00m³
	2 × 9 × 30 ×	1.00		=	540.00m²
	2 × 6 × 30 ×	$\frac{1.00+1.10}{2}$		=	378.00m
	2 × 3 × 30 ×	$\frac{1.10+0.50}{2}$		=	144.00m
	2 × 2 × 30 ×	0.50		=	60.00m
	2 × 3 × 30 ×	$\frac{0.50+0.40}{2}$		=	81.00m²
	2 × 5 × 30 ×	0.40		=	120.00m
	2 × 10 ×	$\frac{0.40+0.50}{2}$		=	90.00m²
					5250.00
				=	0.52 hect

(2) Scarifying existing

Bituminous surface —

	10 × 0.75 × 1.05			=	11.25m²
	3 × 1.12 × 1.15			=	3.864m²
	5 × 3.50 × 1.25			=	18.75m²
	7 × 5.25 × 2.20			=	80.85m²
	6 × 1.15 × 1.05			=	7.245m²
	5 × 2.25 × 1.15			=	12.938m²
	6 × 2.25 × 1.75			=	23.625m²
	7 × 3.65 × 2.50			=	63.875m²
	5 × 4.68 × 1.85			=	43.29m²
	6 × 1.95 × 2.55			=	29.837m²
	7 × 2.21 × 1.10			=	17.017m²
	14 × 4.00 ×	1.50		=	84.00m²
	10 × 2.05 ×	1.55		=	31.775m²

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.		Contents of area
9 × 3.05 × 1.50					=	41.175 m²
						469.491 m²
(3) Const. of granular Sub-base of Gr II material -						
4 × 6.50 × 1.55 × 0.125					=	5.038 m³
9 × 3.05 × 1.25 × 0.15					=	5.147 m³
7 × 3.75 × 1.75 × 0.15					=	6.891 m³
5 × 6.00 × 1.20 × 0.125					=	4.50 m²
4 × 3.00 × 1.25 × 0.175					=	3.238 m³
7 × 4.50 × 4.05 × 0.175					=	5.788 m³
10 × 5.65 × 1.75 × 0.175					=	17.303 m³
6 × 4.15 × 1.20 × 0.175					=	5.229 m³
2 × 20.00 × 1.75 × 0.15					=	3.503 m³
3 × 4.05 × 2.00 × 0.165					=	4.703 m³
5 × 5.15 × 1.80 × 0.175					=	8.111 m³
8 × 4.90 × 1.95 × 0.16					=	12.23 m³
7 × 5.05 × 2.05 × 0.170					=	12.319 m³
3 × 5.85 × 1.85 × 0.175					=	5.682 m³
8 × 3.00 × 2.15 × 0.175					=	9.030 m³
4 × 5.00 × 3.00 × 0.175					=	10.50 m³
3 × 6.50 × 2.50 × 0.175					=	8.531 m³
2 × 6.00 × 2.00 × 0.160					=	3.840 m³
						137.088 m³
Copy 1/12/2019 JE						
(4) Providing, laying, spreading and compacting stone agg. of WBM Gr II material						
4 × 6.75 × 1.75 × 0.075					=	3.544 m³

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	9	3.50	1.50	0.075	= 3.544 m³
	7	4.00	1.95	0.075	= 4.095 m³
	5	6.15	1.35	0.075	= 3.113 m³
	4	3.90	1.50	0.075	= 1.755 m³
	7	5.00	1.25	0.075	= 3.281 m³
	10	5.95	2.00	0.075	= 8.925 m³
	6	4.35	1.50	0.075	= 2.936 m³
	2	6.75	2.15	0.075	= 2.178 m³
	3	5.00	2.25	0.075	= 2.531 m³
	5	5.30	2.00	0.075	= 3.975 m³
	8	5.10	2.05	0.075	= 6.273 m³
	7	5.25	2.25	0.075	= 6.202 m³
	3	6.00	2.00	0.075	= 2.70 m³
	8	3.25	2.30	0.075	= 4.485 m³
	4	5.25	3.15	0.075	= 4.961 m³
	3	6.70	2.75	0.075	= 4.146 m³
	8	6.25	2.15	0.075	= 2.016 m³
	10	6.00	2.00	0.075	= 9.00 m³
	6	8.50	2.00	0.075	= 7.65 m³
	12	6.50	1.85	0.075	= 10.823 m³
	11	7.00	2.00	0.075	= 11.55 m³
	9	6.50	2.10	0.075	= 9.214 m³
	10	2.75	1.25	0.075	= 2.578 m³
	6	6.5	2.10	0.075	= 6.143 m³
	10	3.00	1.50	0.075	= 3.375 m³
	9	7.00	2.15	0.075	= 10.159 m³
	12	5.50	2.00	0.075	= 9.90 m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	10	× 5.00	× 2.75	× 0.075 =	7.594 m³
	9	× 5.25	× 2.15	× 0.075 =	7.619 m³
	8	× 4.70	× 1.70	× 0.075 =	4.794 m³
	11	× 7.25	× 2.35	× 0.025 =	14.056 m³
					185.815 m³

Date 17/12/2020 J.E

80 Rm 19/12/2020 A.E

(5) Providing, laying, spreading and compacting stone agg. of WBM Gr III material-

4	× 6.95	× 2.00	× 0.075 =	4.17 m³
9	× 4.00	× 1.80	× 0.075 =	4.86 m³
7	× 4.50	× 2.05	× 0.075 =	4.84 m³
5	× 6.45	× 1.75	× 0.075 =	4.233 m³
4	× 4.25	× 2.00	× 0.075 =	2.55 m³
7	× 5.25	× 1.55	× 0.075 =	4.354 m³
10	× 6.15	× 2.05	× 0.075 =	7.456 m³
6	× 4.55	× 2.00	× 0.075 =	4.095 m³
2	× 7.00	× 2.35	× 0.075 =	2.468 m³
3	× 5.50	× 2.50	× 0.075 =	3.094 m³
5	× 6.00	× 2.15	× 0.075 =	4.838 m³
8	× 5.45	× 2.35	× 0.075 =	7.614 m³
7	× 5.65	× 2.50	× 0.075 =	7.416 m³
3	× 6.50	× 2.45	× 0.075 =	3.583 m³
8	× 3.65	× 2.80	× 0.075 =	6.132 m³
4	× 5.50	× 3.40	× 0.075 =	5.61 m³
3	× 6.70	× 3.00	× 0.075 =	4.658 m³
2	× 9.00	× 2.60	× 0.075 =	2.73 m³
10	× 6.15	× 2.25	× 0.075 =	10.378 m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	6	9.00	2.50	0.075 =	10.125 m³
	12	6.70	2.05	0.075 =	12.362 m³
	11	7.50	2.30	0.075 =	14.231 m³
	9	7.00	2.30	0.075 =	10.868 m³
	10	3.00	1.50	0.075 =	3.375 m³
	6	7.15	2.50	0.075 =	8.044 m³
	10	3.50	1.75	0.075 =	4.594 m³
	9	7.75	2.45	0.075 =	12.817 m³
	12	6.00	2.40	0.075 =	12.96 m³
	10	5.65	2.45	0.075 =	10.382 m³
	9	5.45	2.35	0.075 =	8.645 m³
	8	4.95	1.90	0.075 =	5.643 m³
	11	7.50	2.50	0.075 =	15.469 m³
	12	8.00	2.75	0.075 =	19.80 m³
	10	8.75	2.50	0.075 =	16.406 m³
	7	7.50	2.00	0.075 =	7.875 m³
	11	8.15	2.25	0.075 =	15.128 m³
	14	6.95	3.00	0.075 =	21.893 m³
	15	9.15	3.15	0.075 =	32.425 m³
	20	7.50	3.00	0.075 =	33.75 m³
	16	8.00	3.05	0.075 =	29.28 m³
	12	9.00	2.95	0.075 =	23.895 m³
	9	9.50	3.15	0.075 =	20.199 m³
	19	11.00	3.05	0.075 =	47.809 m³
	06	10.85	2.95	0.075 =	14.403 m³
					509.457 m³

Deepak 24/12/2020 JE

80 Rom 24/12/2020 AEE

(8) Providing and applying primer coat with Bitumen

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
emulsion (SS-1) on granular surface –					
4	× 6.95	× 2.00		=	55.60 m²
9	× 4.00	× 1.80		=	64.80 m²
7	× 4.50	× 2.05		=	64.575 m²
5	× 6.45	× 1.75		=	56.438 m²
4	× 4.25	× 2.00		=	34.00 m²
7	× 5.35	× 1.55		=	58.047 m²
10	× 6.15	× 2.05		=	126.075 m²
6	× 4.55	× 2.00		=	54.60 m²
2	× 7.00	× 2.25		=	32.90 m²
3	× 5.50	× 2.50		=	41.25 m²
5	× 6.00	× 2.15		=	64.50 m²
8	× 5.45	× 2.35		=	102.46 m²
7	× 5.65	× 2.50		=	98.875 m²
3	× 6.50	× 2.45		=	47.775 m²
8	× 3.65	× 2.80		=	81.76 m²
4	× 5.50	× 3.40		=	74.80 m²
3	× 6.90	× 3.00		=	62.10 m²
2	× 7.00	× 2.60		=	36.40 m²
10	× 6.15	× 2.25		=	138.375 m²
6	× 9.00	× 2.50		=	135.00 m²
12	× 6.70	× 2.05		=	164.82 m²
11	× 7.50	× 2.30		=	189.75 m²
9	× 7.00	× 2.30		=	144.90 m²
10	× 3.00	× 1.50		=	45.00 m²
6	× 7.15	× 2.50		=	107.25 m²
10	× 3.50	× 1.75		=	61.25 m²

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	9	x 7.75	x 2.45	=	170.887 m^2
	12	x 6.02	x 2.40	=	172.80 m^2
	10	x 5.65	x 2.45	=	138.425 m^2
	9	x 5.45	x 2.35	=	115.267 m^2
	8	x 4.95	x 1.90	=	75.24 m^2
	11	x 7.50	x 2.50	=	206.25 m^2
	12	x 8.00	x 2.75	=	264.00 m^2
	10	x 8.75	x 2.50	=	218.75 m^2
	7	x 7.50	x 2.00	=	105.00 m^2
	11	x 8.15	x 2.25	=	201.712 m^2
	14	x 6.95	x 3.00	=	291.90 m^2
	15	x 9.15	x 3.15	=	432.337 m^2
	20	x 7.50	x 3.00	=	450.00 m^2
	16	x 8.00	x 3.05	=	390.40 m^2
	12	x 9.00	x 2.95	=	318.60 m^2
	9	x 9.50	x 3.15	=	269.325 m^2
	19	x 11.00	x 3.05	=	637.45 m^2
	6	x 10.85	x 2.95	=	192.045 m^2
					6793 m^2
(7)	Providing and applying tack coat with (RS-1) on the granular surface-				
	4	x 6.95	x 2.00	=	55.60 m^2
	9	x 4.00	x 1.80	=	64.80 m^2
	7	x 4.50	x 2.05	=	64.575 m^2
	5	x 6.45	x 1.75	=	56.438 m^2
	4	x 4.25	x 2.00	=	34.00 m^2

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	7	× 5.35	× 1.55	=	58.047 m²
	10	× 6.15	× 2.05	=	126.075 m²
	6	× 4.55	× 2.00	=	54.60 m²
	2	× 7.00	× 2.34	=	32.76 m²
	3	× 5.50	× 2.50	=	41.25 m²
	5	× 6.00	× 2.15	=	64.50 m²
	8	× 5.45	× 2.35	=	102.46 m²
	7	× 5.65	× 2.50		98.875 m²
	3	× 6.50	× 2.45		47.775 m²
	8	× 3.65	× 2.80	=	81.76 m²
	4	× 5.5	× 3.40	=	74.80 m²
	3	× 6.90	× 3.00	=	62.10 m²
	2	× 7.00	× 2.60	=	36.40 m²
	10	× 6.15	× 2.25	=	138.375 m²
	6	× 9.00	× 2.50	=	135.00 m²
	12	× 6.70	× 2.05	=	164.82 m²
	11	× 7.50	× 2.30	=	189.75 m²
	9	× 7.00	× 2.30	=	144.90 m²
	10	× 3.00	× 1.50	=	45.00 m²
	6	× 7.15	× 2.50	=	107.25 m²
	10	× 3.50	× 1.75	=	61.25 m²
	9	× 7.35	× 2.45	=	170.887 m²
	12	× 6.00	× 2.40	=	172.80 m²
	10	× 5.65	× 2.45	=	138.425 m²
	9	× 5.45	× 2.35	=	115.267 m²
	8	× 4.95	× 1.90	=	75.24 m²
	11	× 7.50	× 2.50	=	206.25 m²

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	12	× 8.00	× 2.75	=	264.00m²
	10	× 8.75	× 2.50	=	218.75 m²
	7	× 7.50	× 2.00	=	105.00m²
	11	× 8.15	× 2.25	=	201.712m²
	14	× 6.95	× 3.00	=	291.90m²
	15	× 9.15	× 3.15	=	432.337m²
	20	× 7.50	× 3.00	=	450.00m²
	16	× 8.00	× 3.05	=	390.40m²
	12	× 9.00	× 2.95	=	318.60m²
	9	× 9.50	× 3.15	=	269.325m²
	19	× 11.00	× 3.05	=	637.45m²
	6	× 10.85	× 2.95	=	192.045m²
					~~6292.60m²~~ 6292.628m²

(8) Providing laying and rolling of close graded premix surfacing material of 20 mm thickness –

4 × 6.95 × 2.00	=	55.60m²
9 × 4.00 × 1.80	=	64.80m²
7 × 4.50 × 2.05	=	64.575m²
5 × 6.45 × 1.75	=	56.438m²
4 × 4.25 × 2.00	=	34.00m²
7 × 5.35 × 1.55	=	58.047m²
10 × 6.15 × 2.05	=	126.075m²
6 × 4.55 × 2.00	=	54.60m²
2 × 8.00 × 2.25	=	32.90m²
3 × 5.50 × 2.50	=	41.25m²

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	5	× 6.40	× 2.15	=	64.50 m²
	8	× 5.45	× 2.35	=	102.46 m²
	7	× 5.65	× 2.50	=	98.875 m²
	3	× 6.50	× 2.45	=	47.775 m²
	8	× 3.65	× 2.80	=	81.76 m²
	4	× 5.50	× 3.40	=	74.80 m²
	3	× 6.90	× 3.00	=	62.10 m²
	2	× 7.00	× 2.60	=	36.40 m²
	10	× 6.15	× 2.25	=	138.375 m²
	6	× 9.00	× 2.50	=	135.00 m²
	12	× 6.70	× 2.05	=	164.82 m²
	11	× 7.50	× 2.30	=	189.75 m²
	9	× 7.00	× 2.30	=	144.90 m²
	10	× 3.00	× 1.50	=	45.00 m²
	6	× 7.15	× 2.50	=	107.25 m²
	10	× 3.50	× 1.75	=	61.25 m²
	9	× 7.75	× 2.45	=	170.887 m²
	12	× 6.00	× 2.40	=	172.80 m²
	10	× 5.65	× 2.45	=	138.425 m²
	9	× 5.45	× 2.35	=	115.267 m²
	8	× 4.95	× 1.90	=	75.24 m²
	11	× 7.50	× 2.50	=	206.25 m²
	12	× 8.00	× 2.75	=	264.00 m²
	10	× 8.75	× 2.50	=	218.75 m²
	7	× 7.50	× 2.00	=	105.00 m²
	11	× 8.15	× 2.25	=	201.712 m²
	14	× 6.95	× 3.00	=	291.90 m²

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	15	9.15	3.15	=	432.337 m²
	20	7.50	3.00	=	450.00 m²
	16	8.00	3.05	=	390.40 m²
	12	9.00	2.95	=	318.60 m²
	9	9.50	3.15	=	269.325 m²
	19	11.50	3.05	=	637.45 m²
	6	10.85	2.95	=	192.045 m²
Date: 04/02/2021					6793.288 m²

(9) Providing and applying tack coat with (RS-1) on the bituminous surface-

	18	$\frac{6.50+3.75}{2}$		=	92.25 m²
	3	30	3.75	=	337.50 m²
	4	30	3.75	=	450.00 m²
	5	30	3.75	=	562.50 m²
	78	$\frac{3.75+5.25+3.75+4.60+3.25}{5}$		=	329.16 m²
	2	30	3.75	=	225.00
	57	$\frac{3.75+4.10+5.25+3.25}{4}$		=	240.113 m²
	3	30	3.75	=	337.50 m²
	2	30	3.75	=	225.00 m²
	3	30	3.75	=	337.50 m²
	5	30	3.75	=	562.50 m²
	20	3.75		=	75.00 m²
	37	$\frac{3.75+4.20+5.40+3.25}{4}$		=	158.175 m²
	3	30	3.75	=	337.50 m²
	4	30	3.75	=	450.00 m²

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	2	30	3.75	=	225.00 m²
	3	30	3.75	=	337.50 m²
	20		3.75	=	075.00 m²
	6.6	$\frac{3.75+6.30+4.30+3.25}{4}$		=	301.95
	5	30	3.75	=	562.50 m²
	4	30	3.75	=	450.00 m²
	2	30	3.75	=	225.00 m²
	8	30	3.75	=	9000.00 m²
	5	30	3.75	=	562.50 m²
	3	30	3.75	=	337.50 m²
	2	30	3.75	=	225.00 m²
	4	30	3.75	=	450.00 m²
	12		3.75	=	45.00 m²
	32	$\frac{3.75+6.10+5.80+3.75}{4}$		=	155.20
					9571.848 m²

(10) Providing and Laying Semi-Dense Bituminous concrete with 100-120 TMT

$18 \times \frac{6.50+3.75}{2}$	× 0.025	=	2.306 m³
3 × 30 × 3.75	× 0.025	=	8.437 m³
4 × 30 × 3.75	× 0.025	=	11.25 m³
5 × 30 × 3.75	× 0.025	=	14.062 m³
$78 \times \frac{3.75+5.25+3.75+4.60+3.75}{5}$	× 0.025	=	8.229 m³
2 × 30 × 3.75	× 0.025	=	5.625 m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
157 × (3.75+4.10+5.25+3.75)/4				× 0.025 =	6.002 m³
3 × 30 × 3.75 × 0.025				=	8.437 m³
2 × 30 × 3.75 × 0.025				=	5.625 m³
3 × 30 × 3.75 × 0.025				=	8.437 m³
5 × 30 × 3.75 × 0.025				=	14.062 m³
20 × 3.75 × 0.025				=	1.875 m³
37 × (3.75+4.20+5.40+3.75)/4				× 0.025 =	3.954 m³
3 × 30 × 3.75 × 0.025				=	8.437 m³
4 × 30 × 3.75 × 0.025				=	11.25 m³
2 × 30 × 3.75 × 0.025				=	5.625 m³
3 × 30 × 3.75 × 0.025				=	8.437 m³
20 × 3.75 × 0.025				=	1.875 m³
66 × (3.75+6.50+4.30+3.75)/4				× 0.025 =	7.548 m³
5 × 30 × 3.75 × 0.025				=	14.062 m³
4 × 30 × 3.75 × 0.025				=	11.25 m³
2 × 30 × 3.75 × 0.025				=	5.625 m³
8 × 30 × 3.75 × 0.025				=	22.5 m³
5 × 30 × 3.75 × 0.025				=	14.062 m³
3 × 30 × 3.75 × 0.025				=	8.437 m³
2 × 30 × 3.75 × 0.025				=	5.625 m³
4 × 30 × 3.75 × 0.025				=	11.25 m³
12 × 3.75 × 0.025				=	1.125 m³
32 × (3.75+6.10+5.80+3.15)/4				× 0.025 =	3.88 m³
					239.286 m³

Deepa
08/02/2021
J.E.

Continuation

12/02/2021
A.E

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(11) Const. of sub-grade of earthen shoulder with approved material -					
	2	30	1.35	0.30	= 72.90m³
	2	30	1.30	0.30	= 117.00m³
	2	30	1.40	0.30	= 100.80m³
	2	30	1.35	0.30	= 145.80m³
	2	30	1.30	0.30	= 93.60m³
	2	30	1.37	0.29	= 143.028m³
	2	30	1.35	0.30	= 121.50m³
	2	30	1.40	0.30	= 50.40m³
	2	30	1.38	0.29	= 96.048m³
	2	30	1.40	0.29	= 146.16m³
	2	30	1.30	0.28	= 87.36m³
	2	30	1.35	0.28	= 68.04m³
	2	30	1.25	0.30	= 180.00m³
	2	30	1.25	0.30	= 112.50m³
	2	30	1.20	0.30	= 64.80m³
	2	30	1.27	0.30	= 45.72m³
	2	30	1.60	0.29	= 104.40m³
	2	30	0.80	0.28	= 67.20m³
	2	30	0.95	0.26	= 29.64m³
	2	10	0.90	0.30	= 5.40m³
					1852.296
(12) Brick masonry work in cement mortar 1:3 in parapet excluding pointing & plastering -					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
2 × 6.00 × 0.40 × 0.60				=	2.88 m³
2 × 6.00 × 0.40 × 0.60				=	2.88 m³
					5.76 m³
(13) Plastering with cement mortar (1:4) on brick work					
F/W - 2 × 6.00 × 2.00				=	24.00 m²
side face = 4 × 6.00 × 0.60				=	14.40 m²
Top - 2 × 6.00 × 0.40				=	4.80 m²
front face - 4 × 0.40 × 0.60				=	0.96 m²
					44.16 m²
~~For two~~ four culverts					
44.16 × 4				=	~~176.64 m²~~ 88.32
~~(14) Providing and~~					
(14) Painting two coats including primer coat after filling the surface with synthetic enamel paint -					
F/W - 2 × 6.00 × 2.00				=	24.00 m²
side face - 4 × 6.00 × 0.60				=	14.40 m²
Top - 2 × 6.00 × 0.40				=	4.80 m²
front face - 4 × 0.40 × 0.60				=	0.96 m²
					44.16 m²
for 4 culverts					
44.16 × 4				=	176.64 m²
(15) Providing and laying of hot applied thermoplastic					

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
compound 2.5 mm thick -					
2×5	× 30	× 0.10		=	30.00 m²
2×3	× 30	× 0.10		=	18.00 m²
2×6	× 30	× 0.10		=	36.00 m²
2×4	× 30	× 0.10		=	24.00 m²
2×5	× 30	× 0.10		=	30.00 m²
2×6	× 30	× 0.10		=	36.00 m²
2×4	× 30	× 0.10		=	24.00 m²
2×4	× 30	× 0.10		=	24.00 m²
2×5	× 30	× 0.10		=	30.00 m²
2×2	× 30	× 0.10		=	12.00 m²
2×5	× 30	× 0.10		=	30 m²
2×8	× 30	× 0.10		=	48.00 m²
2×3	× 30	× 0.10		=	18.00 m²
2×5	× 30	× 0.10		=	30.00 m²
2×3	× 30	× 0.10		=	18.00 m²
2×6	× 30	× 0.10		=	36.00 m²
2×2	× 30	× 0.10		=	12.00 m²
2×5	× 30	× 0.10		=	30.00 m²
2×2	× 30	× 0.10		=	12.00 m²
2×10	× 0.10			=	2.00 m²
					500.00 m²
(16) Providing and fixing of typical MMGSY informatory sign board with logo -					
Logo of maintenance -					2 Nos.
Maintenance board -					1 No
					3 Nos.

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(17) Reinforced cement concrete M15 grade Kilometer stone -					
(i) Km stone -					4 Nos.
(ii) 200 m stone -					10 Nos.
(18) Providing and fixing of retro-reflectorised cautionary, Mandatory and informatory sign -					
(i) 600 mm equilaterial Δ -					16 Nos.
(ii) 600 mm circular -					4 Nos.
(iii) 600 mm x 450 mm rectangular -					6 Nos
(19) Planting of trees and their maintenance for one year -					120 Nos.

Deepa 12/02/2021 J.E.

[signature] 13/02/2021 A.E

Abstract of Cost.

(1) Clearing and Grubbing road land -
0.52 Hect. Qty vide TMBP (1-2)
0.50 Hect.
item (1) @ Rs. 49524/hec - Rs. 24762=00
49524.88

(2) Scarifying existing Bituminous surface -
489.882 m² Qty vide TMBP (2-3)
491
468.75 812
item (2) @ Rs. 15.40/m² - Rs. 7219=00

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(3) Const. of granular Sub-base of Gr II material					
131.883 m^3 Qty vide TMBP (3) item (4) @					
Lt. 131.25 m^3 @ Rs. 1964.34/m^3					Rs. 25786=00
(4) Providing, laying, spreading and compacting stone aggs of WBM Gr II					
185.115 m^3 Qty vide TMBP (3-5) item (1)					
Lt. 182.25 m^3 @ Rs. 3700.44/m^3					Rs. 674405=00
(5) Providing, laying, spreading and compacting stone aggs. of WBM III -					
509.457 m^3 Qty vide TMBP (5-5) item (1)					
Lt. 507.47 m^3 @ Rs. 3428.68/m^3					Rs. 1739952=00
(6) Providing and applying primer coat with Bitumen Emulsion (SS-1) on granular surface -					
6792.688 m^2 Qty vide TMBP (5-5) item (6)					
Lt. 6766.32 m^2 @ Rs. 41.33/m^2					Rs. 279652=00
(7) Providing and applying tack coat with (RS-1) on the granular surface -					
6793.688 m^2 Qty vide TMBP (5-10) item (7)					
Lt. 6766.32 m^2 @ Rs. 14.01/m^2					Rs. 94796=00
(8) Providing laying and rolling of close graded premix surfacing					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
material of 20 mm thickness					
6792.76 m^2 Qty vide TMBP (12-13) item (8)					
Cf. 6766.32 m^2 @ Rs. 189.98/m^2 = Rs. 1285465=00					
(9) Providing and applying tack coat with (RS-1) on the bituminous surface -					
9571.848 m^2 Qty vide TMBP (12-13) item (9)					
Cf. 9468.75 m^2 @ Rs. 14.01/m^2 = Rs. 132657=00					
(10) Providing and Laying Semi-Dense Bituminous Concrete with 100-120 TPH batch type HMP-					
239.289 m^3 Qty vide TMBP (13-14) item (10)					
@ Cf 236.190 m^3 Rs. 9241.52/m^3 = Rs. 2187447=00					
(11) Const. of Sub-grade and earthen shoulder with approved material -					
1852.296 m^3 Qty vide TMBP (15) item (11)					
@ Rs. 161.45/m^3 ——— Rs. 299053=00					
(12) Brick masonry work in cement mortar 1:3 in parapet excluding pointing & plastering					
5.76 m^3 Qty vide TMBP (15-16) item (12) @ Rs. 6476.07/m^3 — Rs. 37302=00					
(13) Plastering with cement-mortar (1:4) on brick work					
176.64 m^2 Qty vide TMBP (16) item (13) @ Rs. 162.25/m^2 — Rs. 28660=00					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(14) Painting three coats inc- luding primer coat after filling the surface with appro- ved enamel paint. 176.64 m^2 Qty vide TMBP (16) item (14) @ Rs. 95.63/m^2 — Rs. 16892=00					
(15) Providing and laying of hot applied thermoplastic compound 2.5 mm thick 500.00 m^2 Qty vide TMBP (16-17) item (15) @ Rs. 735.75 — Rs 367875=00					
(16) Providing and fixing of typical mimosy informatory sign board with logo and maintenance board - 3 Nos. Qty vide TMBP (17) item (16) @ Rs. 9230.70/No — Rs. 27692=00					
(17) Reinforced cement concrete M15 grade Kilometer stone - (i) 1Cm Stone - 4 Nos. Qty vide TMBP (18) item 17(i), @ Rs. 2182.86/No — Rs. 8731=00					
(ii) 200 m Stone - 10 Nos. Qty vide TMBP (18) item 17(ii), @ Rs. 610.52/No — Rs 6105=00					
(18) Providing and fixing of retro-reflectorised cautionary.					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
mandatory and informatory					
sign -					
(i) 600 mm equilateral Δ					
16 Nos. Qty vide TMBP (18) item					
18(i) @ Rs. 3368.59/No.					Rs. 53897=00
(ii) 600 mm circular -					
4 Nos. Qty vide TMBP (18)					
item 18(ii) @ Rs. 4493.33/No.					Rs. 17973=00
(iii) 600 mm x 450 mm rectan-					
gular -					
8 Nos. Qty vide TMBP (18)					
item 18(iii) @ Rs. 4378.20/No.					Rs. 26269=00
(19) Planting of trees and					
their maintenance for					
one year -					
120 Nos. Qty vide TMBP (18)					
item (19) @ Rs. 799.22/No.					Rs. 95906=00
					Rs. 7670726=00
Add 12% GST					Rs. 920487=00
Add 1% L/C					Rs. 76707=00
					Rs. 8667920=00
Less 0.01% below as per agg. (-)					Rs. 867=00
					Rs. 8667053=00

Prepared
12/02/2021
J.E.

13/02/2021
सहायक अभिंता
ग्रामीण कार्य विभाग
कार्य अंचल प्रमंडल, नौगछिया

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Material Statement					
(1) E/W – 1852.296 m³ @ Rs 23.78/m³.					
(2) for CySB II					
(a) 26.5 mm to 9.5 mm @ 35%					
58.668 m³ @ 550.85/m³ = 32317=					
(b) 9.5 mm to 2.36 mm.					
42.00 m³ @ Rs. 411.53/m³ = 17284=					
(c) 2.36 mm below					
66.937 m³ @ Rs. 116.85/m³ 7821=					
(3) WBM II					
(a) 63 mm to 45 mm agg.					
220.522 m³ @ 427.69/m³ = 94345=					
(b) Stone screening type B					
49.207 m³ @ 345.52/m³ 17002=0					
(c) Binding material					
14.58 m³ @ Rs. 131.28/m³.					
(4) WBM III					
(a) 53 mm to 22.4 mm.					
614.038 m³ @ Rs 458.22/m³ = 281364=0					
(b) Stone Screening.					
121.792 m³ @ 345.52/m³ = 42082=					
(5) Bitumen Emulsion (SS-1)					
5.751 MT					
(6) Bitumen Emulsion (RS-1)					
over granular surface –					2.029 MT
(5) Bitumen Emulsion (RS-1)					
over Bituminous surface –					2.083 MT

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(8) for MSS					
(a) Vg10 Bitumen - 11.8275 MT					
(b) Stone crushed agg-					
182.69 m³ @ 470.04/m³					85872=
(7) for SDBC					
(a) Bitumen Vg 30 - 27.312 MT					
(b) 9.5 mm to 4.75 mm agg.					
197.371 m³ @ Rs. 528.971/m³					104397=0
(10) (c) 4.75 mm and below					
141.842 m³ @ 202.91/m³					28781=0
(10) for Brick masonry.					
(a) Bricks - 2880 Nos @ .70/.					=202=0
(b) Sand - 1.44 m³ @ 150.80/m³					=217=0
					7,11,654=0
Deepak 12/02/2021 J.E			S Ram 13/02/2021 सहायक अभियंता ग्रामीण कार्य विभाग कार्य अवर प्रमंडल, नौतनुा		
Sfee-		88725=0			
calculation of Roy.					
(1) Stone - 1709.647 m³ @ 150/m³ = 2,56,447=00					
(2) Sand - 1.44 m³ @ 75/m³					217=00
(3) Bricks - 2880 No / .70/. =					202=0
(4) E/W 1852.296 m³ @ 33/m³ = 61,126=00					
			Total -		3,17,992=00

B.F.- 86,67,053=00

Received Allotment - 87,34,300=00

1st on a/c Bill

Bill Value - 86,67,053=00

Memo of Payment

Sch. XLV-Form No. 134 25

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
① G.T. @ 2%			- 1,73,345=00		Rs. 12,73,478=00
② CGST @ 1%			- 86671=00		
③ SGST @ 1%			- 86671=00		
④ L.Cess @ 1%			- 86671=00		
⑤ Roy			- 3,17,992=00		
⑥ S.Fee			- 88,775=00		
⑦ S.D. @ 5%			- 4,33,353=00		
⑧ By cheque			- 7393,575=00		
Total- 86,67,053=00					

Passed for Rs. 8667053=

(Rupees eighty six lakh sixty seven thousand fifty three) only.

20/3

20/3

Executive Engineer
Rural Works Deptt.
Work Division, Dhanbad

20/3/2021