Ajimchak Kanya Vidhayalay ke nikat N.H ke
Kinare se Kazipura Murahari tak

3054/M/R

Schedule XLV-Form No. 134

Dhaneshwar Nath Coy.

E.E. R.W.D. Works _____ DIVISION Patna

_____ Sampatchak _____ SUB-DIVISION

Measurement Book

7618

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 :- Agenchak Kanya Vidhayalay Ke Nikat N.H Ke Kinare Se Karanpura Musahari Tak.					
Agency :- M/S Dhaneshwar Nath Construction.					
Date of Start :-					
Date of Comp :-					
Date of Measurment :-					
Record Entry :-					
(1) Clearing, Grubbing Road Land uprooting wild vegetation - do - do - E/T					
	2	30	30	1	= 1800M2
	2	3	30	1	= 180M2
	2	10	1		= 20M2
					2000M2
					2000 × 1/10,000
					= 0.2Hec.
Record Entry :-					

Continuation

Certified that this M.B contains

Sch. XLV Form No. 134 — 2

Particulars	Details of actual measurement No	L	B	D	Contents of area
(2) Excavating the Existing Bituminous Road Surface					
-do-	Do - 6/1				
	3 x 7.2 x 2.3			=	49.68 M²
	3 x 6.6 x 1.95			=	24.96 M²
	3 x 8.1 x 2.45			=	59.535 M²
	4 x 6.9 x 1.750			=	48.30 M²
	3 x 5.9 x 2.700			=	47.79 M²
	5 x 5.2 x 2.100			=	54.60 M²
	2 x 9.0 x 1.850			=	33.30 M²
Recorded by 20/9/20					318.165 M²
Record Entry -					

(3) Construction of Granular Sub-base by Providing well Graded Material (G.S.B)

-do-	-do- 6/x			
3 x 2.2 x	1.2 x	0.100	=	0.792 M³
3 x 4.5 x	2.2 x	0.100	=	2.97 M³
3 x 6.0 x	1.95 x	0.100	=	3.51 M³
3 x 5.5 x	2.4 x	0.100	=	3.96 M³
2 x 9.0 x	1.85 x	0.100	=	3.33 M³
3 x 8.5 x	1.90 x	0.100	=	4.845 M³
3 x 7.5 x	2.1 x	0.100	=	4.725 M³
2 x 10 x	2 x	0.100	=	4.0 M³
3 x 9.5 x	2.2 x	0.100	=	6.27 M³
4 x 3.50 x	1.7 x	0.100	=	5.508 M³ / 3.502
5 x 3.20 x	2.2 x	0.100	=	2.112 M³
1 x 7.9 x	2.4 x	0.100	=	1.896 M³

Continuation

that this M.B contains

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	2	6.0	1.95	0.100	= 2.34 M³
	3	8.5	1.90	0.100	= 4.845 M³
	3	7.5	2.1	0.100	= 4.725 M³
For CC Road					
1	30	$\frac{3.15+3.75}{2}$		0.100	= 10.35 M³
1	27	$\frac{3.75+3.70}{2}$		0.100	= 10.058 M
1	25	$\frac{3.60+3.70}{2}$		0.100	= 9.125 M³
1	25	$\frac{3.70+3.80}{2}$	3.75	0.100	= 9.37 9.625 M
1	30	$\frac{3.75+3.75}{2}$		0.100	= 11.625 M
1	29	3.750		0.100	= 10.875 M
				111.978	117.488 M
Recd 87 11/10/22				Limit	101.98 M
Record Entry					

(4) providing, Laying, Spreading and compacting stone Aggregate of Specific size WBM-III Manually

— do — do — C/T

Post Measurement (Manually)

3	2.2	1.2	0.075	=	0.594 M³
3	4.5	2.2	0.075	=	2.227 M³
3	6.0	1.95	0.075	=	2.632 M³
3	5.5	2.4	0.075	=	2.97 M³
2	9.0	1.85	0.075	=	2.497 M³
2	2.8	2.30	0.075	=	0.546 0.966 M³
3	8.5	1.90	0.075	=	3.633 M³
					15.393 M³

Continuation 15.099

Sch. XLV Form No. 124

Particulars	Details of actual measurement (No, L, B, D)	Contents of area
(5) providing, laying, spreading and compacting stone aggre of specific size WBM-III (mechanical)		
-do-	-do- -6/-	
For BT portion (mechanical)		
1 × 27 ×	(4.0 + 3.75)/2 × 0.075 =	~~7.849~~ ~~[illegible]~~
1 × 30 ×	(5.75 + 3.75)/2 × 0.075 =	~~[illegible]~~
2 × 30 ×	3.75 × 0.075 =	16.875 M
1 × 30 ×	(3.75 + 4.0)/2 × 0.075 =	~~9.619~~ M 8.719
1 × 30 ×	(4.80 + 3.75)/2 × 0.075 =	~~9.619~~ M 8.719
2 × 30 ×	3.75 × 0.075 =	16.875 M
1 × 30 ×	(3.75 + 3.90)/2 × 0.075 =	8.606 M
1 × 30 ×	(3.90 + 3.75)/2 × 0.075 =	8.606 M
1 × 30 ×	(3.75 + 3.8)/2 × 0.075 =	8.494 M
1 × 30 ×	(3.8 + 3.70)/2 × 0.075 =	8.437 M³
1 × 30 ×	(3.70 + 3.75)/2 × 0.075 =	8.381 M³
1 × 30 ×	(3.75 + 4)/2 × 0.075 =	8.718 M³
1 × 30 ×	(4.0 + 3.75)/2 × 0.075 =	8.718 M³
1 × 30 ×	3.75 × 0.075 =	8.437 M³
	(A)	~~146.951~~ M 138.572
CC portion (Mechanical)		
1 × 30 ×	(3.15 + 3.75)/2 × 0.075 =	7.762 M³
1 × 27 ×	(3.75 + 3.70)/2 × 0.075 =	7.543 M³
1 × 25 ×	(3.60 + 3.70)/2 × 0.075 =	6.844 m³
1 × 25 ×	(3.70 + 4.0)/2 × 0.075 =	7.219 m³
1 × 30 ×	(4.0 + 3.75)/2 × 0.075 =	8.719 m³
1 × 29 ×	3.75 × 0.075 =	8.156 M³
	(B)	46.243 m³
	Total (A) + (B)	
	~~146.~~ 138.572 + 46.243 =	~~193.199~~ M³
	Continuation	184.815

Reen Singh
25/10/23

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L	B.	D.	Contents of area
Record Entry :-					
(5) Construction of un-Reinforced Plain Cement concrete M30					
-do- -do- C/I					
1 x 30 x		$\frac{3.15+3.75}{2}$	x 0.160 =		16.56 M^3
1 x 27 x		$\frac{3.70+3.60}{2}$	x 0.160 =		15.768 M^3
1 x 25 x		$\frac{3.60+3.70}{2}$	x 0.160 =		14.60 M^3
1 x 25 x		$\frac{3.70+4.0}{2}$	x 0.160 =		15.40 M^3
1 x 30 x		$\frac{4.0+3.75}{2}$	x 0.160 =		18.60 M^3
1 x 29 x		3.75	x 0.160 =		17.40 M
Done by W/W 25/4/20					98.32 M
Record Entry :-					
(6) providing & applying primer coat with Bitumen Emulsion					
(SS1) -do- -do- C/I					
3 x 2.2 x 1.2				=	7.92 M^2
3 x 4.5 x 2.2				=	29.70 M^2
3 x 6.0 x 1.95				=	35.10 M^2
3 x 5.5 x 2.4				=	39.60 M^2
2 x 9.0 x 1.85				=	33.3 M^2
3 x 8.5 x 1.90				=	48.45 M^2
2 x 2.8 x ~~5.20~~				=	~~11.2 M~~ 7.28 M^2
BT portion					
1 x 27 x		$\frac{3.60+3.75}{2}$		=	~~124.20 M^2~~ 104.625
1 x 30 x		$\frac{3.60+3.75}{2}$		=	~~216.75 M^2~~ 148.50

Continuation

Sch. XLV_Form No. 134

Particulars	Details of actual measurement No.	L	B.	D	Contents of area
2 × 30 ×	3.75			=	225 M^2
1 × 30 ×	$\frac{3.75 + 4.0}{2}$			=	~~116.25~~ ~~128.75~~ M^2
1 × 30 ×	$\frac{4.0 + 3.75}{2}$			=	~~116.25~~ ~~128.75~~ M^2
2 × 30 ×	3.75^2			=	225.0 M^2
1 × 30 ×	$\frac{3.75 + 3.90}{2}$			=	114.75 M^2
1 × 30 ×	$\frac{3.90 + 3.75}{2}$			=	114.75 M^2
1 × 30 ×	$\frac{3.75 + 3.80}{2}$			=	113.25 M^2
1 × 30 ×	$\frac{3.80 + 3.70}{2}$			=	112.50 M^2
1 × 30 ×	$\frac{3.70 + 3.75}{2}$			=	111.75 M^2
1 × 30 ×	$\frac{3.75 + 4.0}{2}$			=	116.25 M^2
1 × 30 ×	$\frac{4.0 + 3.75}{2}$			=	116.25 M^2
1 × 30 ×	$\frac{3.75^2}{2}$			=	112.50 M^2
				2052.89	~~2164.72~~ M^2
				Limit =	1887.85 M^2

Record Entry ÷ 27/11/23

(7) providing, Laying & Rolling of close Graded premix Surfacing (MSS) – do – do – E/I

Same as prime coat qty = $\frac{2052.89}{2}$ = ~~2164.72~~

Limit 1887.85 M^2

Record Entry ÷

(8) providing and Applying Tack coat with bitumen Emulsion (RS-1) – do – do – E/I

Same as MSS qty = 2052.895 ~~2164.72~~ M^2

~~1 × 27 × $\frac{3.70 + 5.5}{2}$~~ = ~~4~~ 124.20 M^2

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Same	as	prime	coat	ply =	~~2164.72M²~~ 2052.895
For SDBC	Qty. vide item (9) = 88.375 / 0.025				= 3535
~~7 × 30 ×~~	~~3.75~~			=	~~787.50M²~~
~~8 × 30 ×~~	~~3.75~~			=	~~900.0M²~~
			5527.895		~~6016.94M²~~
				Limit -	5102.02M²
Record	Entry :-				
(9) providing & Laying Semi dense bituminious concrete with 100-120 TPH -do-do- C/I					
1 × 27 ×	~~4.5~~ + 3.75 / 2		× 0.025 =		2.616 ~~3.405M³~~
1 × 30 ×	~~5.45~~ + 3.70 / 2		× 0.025 =		3.713 ~~5.149M³~~
2 × 30 ×	3.750	× 0.025		=	5.625M³
1 × 30 ×	3.75 + 4.0 / 2	× 0.025		=	2.906 ~~3.206~~M³
1 × 30 ×	4.0 + 3.75 / 2	× 0.025		=	2.906 ~~3.206~~M³
2 × 30 ×	3.75 ×	0.025		=	5.625M³
1 × 30 ×	3.75 + 3.90 / 2	× 0.025		=	2.868 M³
1 × 30 ×	3.90 + 3.75 / 2	× 0.025		=	2.868 M³
1 × 30 ×	3.75 + 3.80 / 2	× 0.025		=	2.831M³
1 × 30 ×	3.80 + 3.70 / 2	× 0.025		=	2.812M³
1 × 30 ×	3.70 + 3.75 / 2	× 0.025		=	2.794M³
1 × 30	3.75 + 4.0 / 2	× 0.25		=	2.906M³
1 × 30 ×	4.0 + 3.75 / 2	× 0.025		=	2.906M³
1 × 30	× 3.75 ×	0.025		=	2.812M³
7 × 30	× 3.75 ×	0.025		=	19.687M³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
2 × 30	× 3.75	× 0.025		=	22.50 M³
			88.375		~~411.7 M³~~
				Limit:	80.23 M³
Record Entry :-					
(10) Construction of Subgrade and Earthen Shoulder – do – do – E/I					
2 × 5	× 30 ×	0.3 ×	0.150	=	13.5 M³
2 × 28	× 30 ×	0.750 ×	0.300	=	378 M³
2 × 10	× 0.750 ×	0.300		=	4.5 M³
					396 M³
(11) Providing & Laying Hot Applied Thermoplastic compound 2.5mm thick – do – do – E/I					
(A) At Edge BT portion					
2 × 29 × 30	× 0.1			=	174 M²
2 × 20	× 0.1			=	4 M²
					178 M²
B) at Edge for old cc portion					
2 × 5 × 30	× 0.1			=	30 M²
2 × 16 ×	0.1			=	3.2 M²
					~~211.2 M²~~ 33.2 M² 33.00

Sup'dg 6/12/23

2/12/23

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	Seignorage fee				
Earth Work =	396 @	3.525/M3 =			1396=00
G.S.B					
53.5MM - 9.5MM =	75.191 @	93.175/M3 =			7006=00
7.5MM - 2.36MM =	30.076 @	42.997/M3 =			1293=00
Coarse Sand =	45.115M3 @	57.78/M3 =			2606=00
WBM-III					
53.5MM - 22.40MM =	254.06 @	110.004/M3 =			27942=
Screening Material =	48.593 @	42.997/M3 =			2781=
MSS					
13.2MM =	58.447M3 @	42.997/M3 =			2513=00
SDBC					
9.5MM - 4.75MM =	78.223	X 59.516 =			4655=00
4.75MM below =	52.149	X 26.478 =			1381=00
Concrete					
20MM =	53.094	X 120.776 =			6412=00
10MM =	26.547	X 59.516 =			1780=00
Sand =	39.82	X 57.78 =			2301=00
					62066=00

Scrutinized 06/12/23 AE

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	Material	Statement			
Metal				=	627.787M
Coarse Sand				=	84.936M
Screening	Material			=	48.393M
SS-1				=	1.84MT
RS-1				=	1.654MT
Bitumen				=	14.597M

Done Bill
2/12/23

Supervised
06/12/23
AE