MBNO:-3490

Schedule XLV-Form No. 134

GAMHARIYA NAHAR DHALA PMGSHY TO UTKRAMIT MADHY VIDHALAY GAMHARIYA AWAN RAJPUT TOLA TAK **DIVISION**

SRI ABHIMANYU SINGH **SUB-DIVISION**

TSUAPUR

Measurement Book

1st 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 measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of Road:- const. of Road from Gamhariya Nahar Dhala PMGSY To Utkramit Madhy Vidhalay Gamhariya Awam Rajput Tola.					
Length:- 0.425 Km					
Agency – Sri Abhimanyu Singh Vill-Fachrukhi, Saran					
Agreement No:-					
Date of Start:- 29/07/2020					
Date of Completion: 24/04/2021					
Work done					
(1) P/L and fixing of working benchmark.			Rky	—	0.425 Km
(2) setting of Refrence pillar			Rky	—	0.425 Km
(3) Clearing and grubbing Road Land — E/1					
	2X4X	4 X 25.00	X 3.50	(Av) —	2800.00 Sqm
	2X1	X 25.00	X 3.50	(Av) —	175.00 "
					2975.00 Sqm
				Say —	0.30 Hec
(4.) Box-Cutting of existing Road both side					
	2X4	X 4X25.00	X 0.375	X 0.100 —	30.00 Cum
	2X1	X 25.00	X 3.75	X 0.100 —	1.88 Cum
					31.88 Cum

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(5) Const of GSB by Alv well graded Material ——— Do					
profile Correction					
	1 ×	2.30 ×	0.90 ×	0.100 —	0.21 Cum
	3 ×	1.60 ×	0.75 ×	0.125 —	0.45 "
	5 ×	1.10 ×	0.60 ×	0.100 —	0.33 "
	1 ×	2.10 ×	1.20 ×	0.150 —	0.38 "
	6 ×	0.90 ×	0.60 ×	0.100 —	0.32 "
	8 ×	1.90 ×	1.10 ×	0.100 —	1.67 "
	7 ×	1.20 ×	0.75 ×	0.125 —	0.79 "
	11 ×	0.90 ×	0.75 ×	0.100 —	0.74 "
	13 ×	0.75 ×	0.50 ×	0.100 —	0.49 "
	9 ×	1.50 ×	0.70 ×	0.125 —	1.18 "
2 ×	4 × 4 ×	25.00 ×	0.375 ×	0.100 —	30.00 Cum
	2 × 1 ×	10.00 ×	0.375 ×	0.100 —	0.75 "
Add for Curve:-					
1 × 25.00 × ((3.75+4.25)/2 − 3.75) × 0.100 —					0.63 Cum
1 × 15.00 × ((3.75+4.10)/2 − 3.75) × 0.100 —					0.26 "
1 × 10.00 × ((4.10+3.75)/2 − 3.75) × 0.100 —					0.18 "
1 × 15.00 × ((3.75+4.10)/2 − 3.75) × 0.100 —					0.26 "
1 × 10.00 × ((4.10+3.75)/2 − 3.75) × 0.100 —					0.18 "
1 × 10.00 × ((3.75+4.10)/2 − 3.75) × 0.100 —					0.18 "
1 × 15.00 × ((4.10+3.75)/2 − 3.75) × 0.100 —					0.26 "
1 × 15.00 × ((3.75+5.70)/2 − 3.75) × 0.100 —					1.46 "
1 × 10.00 × ((5.70+3.75)/2 − 3.75) × 0.100 —					0.97 "
1 × 15 × ((3.75+5.30)/2 − 3.75) × 0.100 —					1.16 "
1 × 15.00 × ((5.30+3.75)/2 − 3.75) × 0.100 —					1.16 "
1 × 10.00 × ((3.75+5.70+8.10)/3 − 3.75) × 0.100 —					2.10 "
					46.11 Cum

Continuation

Limit 38.89 cum

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(6.) P/V and laying, spreading and compacting stone aggregates-8					
	4x4	x25.00	x3.75	x0.075 —	112.50 Cum
	1	x10.00	x3.75	x0.075 —	2.81 Cum
Add for curve					
$1\times25.00\times\left(\frac{3.75+4.25}{2}-3.75\right)\times0.075$ —					0.47 Cum
$1\times15.00\times\left(\frac{3.75+4.10}{2}-3.75\right)\times0.075$ —					0.20 "
$1\times10.00\times\left(\frac{4.10+3.75}{2}-3.75\right)\times0.075$ —					0.13 "
$1\times15.00\times\left(\frac{3.75+4.10}{2}-3.75\right)\times0.075$ —					0.20 "
$1\times10.00\times\left(\frac{4.10+3.75}{2}-3.75\right)\times0.075$ —					0.13 "
$1\times10.00\times\left(\frac{3.75+4.10}{2}-3.75\right)\times0.075$ —					0.13 "
$1\times15.00\times\left(\frac{4.10+3.75}{2}-3.75\right)\times0.075$ —					0.20 "
$1\times15.00\times\left(\frac{3.75+5.70}{2}-3.75\right)\times0.075$ —					1.10 Cu
$1\times10.00\times\left(\frac{5.70+3.75}{2}-3.75\right)\times0.075$ —					0.73 "
$1\times15.00\times\left(\frac{3.75+5.30}{2}-3.75\right)\times0.075$ —					0.87 "
$1\times15.00\times\left(\frac{5.30+3.75}{2}-3.75\right)\times0.075$ —					0.87 "
$1\times10.00\times\left(\frac{3.75+5.70+4.10}{3}-3.75\right)\times0.075$ —					1.57 "
					121.91 Cum
(7) Const. of Un-reinforced, plain Cement Concrete pavement-i/c					
$1\times15.00\times\frac{3.75+4.25}{2}\times0.160$ —					9.60 Cum
~~$1\times10.00\times\frac{4.25+3.75}{2}\times0.160$ —~~					~~6.40 "~~
	4x25.00	x3.75	x0.160 —		60.00 "
$1\times15.00\times\frac{3.75+4.10}{2}\times0.160$ —					9.42 "

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	1	10.00	$\frac{4.10+3.70}{2}$	0.160	6.28 Cum
	1	25.00	3.70	0.160	15.00 "
	1	15.00	$\frac{3.70+4.10}{2}$	0.160	9.42 "
	1	10.00	$\frac{4.10+3.70}{2}$	0.160	6.28 "
	1	15.00	$\frac{3.70+4.10}{2}$	0.160	9.42 "
	1	10.00	$\frac{4.10+3.70}{2}$	0.160	6.28 "
	1	10.00	$\frac{3.70+3.50}{2}$	0.160	5.80 "
	1	15.00	$\frac{3.70+5.80}{2}$	0.160	11.46 "
	1	10.00	$\frac{5.80+3.70}{2}$	0.160	7.64 "
	2	25.00	3.70	0.160	30.00 "
	1	15.00	$\frac{4.10+3.70}{2}$	0.160	9.42 "
	1	15.00	$\frac{3.70+5.30}{2}$	0.160	10.86 "
	1	15.00	$\frac{5.30+3.70}{2}$	0.160	10.86 "
	1	25.00	3.70	0.160	15.00 "
	1	20.00	3.70	0.160	12.00 "
	1	10.00	$\frac{3.70+5.30+4.10}{3}$	0.160	9.36 "
					260.50 Cum
				Limit	260.10 Cum
(8) Km stone					
	Qty				01 No.
(9) 200 m Stone					
	Qty				02 No.
(10) Boundary pillar					20 Nos.
(11) 600 mm Circular (Spun Unit)					
	Qty				04 Nos.

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(12.) 900 mm equilateral of Triangle					
		Qty	—	—	2.00 No.
(13.) 600 mm x 450 mm rectangular					
		Qty	—	—	02 Nos
(14.) P/N and laying of hot applied					
thermoplastic compound					
2x4x	4x	2500 x	0.100	—	80.00 sqm
2x	1x	10.00 x	0.100	—	2.00 "
					82.00 sqm
(15.) Direction sign board					
		Qty	—	—	01 No.
(16.) P/N and fixing of typical					
MMGKY information board					
		Qty	—	—	06 Nos.

Earthwork Qty Sheet

Sl. No.	Chainage	Area	Mean Area	Distance	Volume
1	0	1.876			
2	50	2.105	1.990	50	99.50
3	100	1.686	1.895	50	94.75
4	150	1.965	1.825	50	91.25
5	200	1.864	1.914	50	95.70
6	250	2.108	1.986	50	99.30
7	300	2.368	2.238	50	111.90
8	350	1.676	2.022	50	101.10
9	400	1.426	1.551	50	77.55
10	425	2.642	2.034	25	50.85

Total E/W Qty with crust – 821.90 Cum

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Earthwork Qty with crust —					821.90 Cum
		Crust —	GSB —	(-)	38.89 "
			WBM	Gr-3(-)	121.91 "
			PCC	— (-)	260.10
		Earthwork Qty —			401.00 Cum
(17) Const. of Embankment — 2/1					
		Qty —			239.23
(18) Const. of Subgrade — 2/1					
		Qty —			161.77 Cum

26/09/2022
JE

26/09/22
AE

Material Statement

(1) Earthwork — 401.00 Cum
(2) Stone Metal — 184.84 Cum
(3) Stone Screening — 38.59 Cum
(4) Stone Chips — 234.09 Cum
(5) Coarse Sand — 117.05 Cum
(6) Cement — 91.04 tonn

26/09/2022
JE

26/09/22
AE

Continuation

ABSTRACT OF COST

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(1) PW & fixing of Working Benchmark pillars					
0.425 Km vide MB p-1					
@Rs 3674=75/Km				Rs	1562=00
(2) setting out of Reference pillar					
0.425 Km vide MB p-1					
@Rs 1697=55/Km				Rs	721=00
(3) Clearing and Grubbing Road Land - - - - Ej					
0.30 Hec vide MB p-1					
@Rs 51133=76/Hec				Rs	15340=00
(4) Box-cutting of existing Road 31.86 Cum vide MB p-1					
@Rs 74=16/Cum				Rs	2364=00
(5) Const. of Embankment - - - Ej					
239.23 Cum vide MB p-6					
@Rs 175=22/Cum				Rs	41918=00
(6) Const. of subgrade and earthen shoulder - - - Ej					
161.77 Cum vide MB p-6					
@Rs 176=86/Cum				Rs	28611=00
(7) Construction of CSB by PW mell graded Material - - Ej					
38.89 Cum vide MB p-2					
@Rs 3095=23/Cum				Rs	120373=00
(8) PW laying, spreading and Compacting stone aggregate - Ej					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
121.91	Cum	vide	MB	P-2	
@Rs	3762=97/cum			Rs	458744=00
(9.) Construction of Unreinforced,					
plain concrete pavement - E/					
260.10	cum	vide	MB	P-4	
@Rs	7142=96/cum			Rs	1857884=00
(10.) KM stone					
01	No. vide	MB	P-4		
	2269=37				2269=00
@Rs	3581=81/each			Rs	3582=00
(11.) 200M stone					
02	No. vide	MB	P-4		
@Rs	604=78/each			Rs	1210=00
(12.) 600 mm circular					
04	Nos	vide	MB	P-4	
@Rs	4950=22/each			Rs	19801=00
(13.) Boundary pillar					
20	Nos.	vide	MB	P-4	
@Rs	485=94/each			Rs	9719=00
(14) 900 mm equilateral triangle					
02	No. vide	MB	P-5		
@Rs	5447=95/each			Rs	10896=00
(15.) 600 mm x 450 mm rectangular					
02	No	vide	MB	P-5	
@Rs	4820=03/each			Rs	9640=00
(16) P/V and laying of hot applied					
thermoplastic compound					
82.00	STM	vide MB	P-5		
@Rs	735=44/STM			Rs.	60306=00

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(17.) Direction Sign board					
01 Nos. vide MB p-5					
@Rs 3157=99/each — Rs					3158=00
(18.) Supply and fixing of typical mimicry information Sign board					
06 Nos vide MB p-5					
@Rs 10904=47/each — Rs					65427=00
				Rs	2709943=00
Less 2.8% below — Rs					75878=00
				Rs	2634065=00
Add 12% GST. — Rs					316088=00
Add 1% Labour cess — Rs					26341=00
Security storage fee — Rs					24000=00
Total Rs —					3000494=00

(Thirty Lakh four hundred Ninety four rupees only)

Checked. 26/09/2022 JE

26/09/22 DE

C&R 25/10/22 DRe