

MR-3054 (New)

MB-No-653

24.25

Schedule XLV-Form No. 134

LO 41. Ratan MDR to Dhankheta

445m. 21/2127

DIVISION

3492- 445m, 21/2127

SUB-DIVISION

Satyendra Kumar and co. const. Pvt Ltd

Measurement Book

1st on 22. 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 work					2041
Patam mdr se dhankheta					
Name of Agency					Satyendra
Kumar and co. const. Pvt. Ltd					
Agg no					20/MBD/2023
					2024
Date of Commencement					
16-03-2024					
Date of Completion					
15-12-2024					
Rate approved					4% below
as per agg.					
Record Measurement					
(1) clearing and grubbing road					
land (By manual means) total					
along uprooting culd vegetation					
grass, bushes, shrubs etc					
- - - - - cu comp job					
2 x 10 x 30m x 1m					600m ²
2 x 10 x 30m x 1m					600m ²
2 x 10 x 30m x 1m					600m ²

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$2 \times 10 \times 30m \times 1m =$					600m ²
$2 \times 10 \times 30m \times 1m =$					600m ²
$2 \times 10 \times 30m \times 1m =$					600m ²
$2 \times 5 \times 30m \times 1m =$					300m ²
$2 \times 3 \times 30m \times 1m =$					180m ²
$2 \times 1 \times 60m \times 1m =$					120m ²
					at 4092m ²
					or = 0.4092 Hect

$\frac{51721}{5.8}$
 8917.41

(2) Excavation for road way					
in soil using manual means					
for carrying cut cut earth					
- - - cut comp. 20%					
$2 \times 1 \times 30m \times 0.375m \times 0.15m =$					3.375m ³
$2 \times 1 \times 9m \times 0.375m \times 0.15m =$					1.0125m ³
$2 \times 3 \times 30m \times 0.375m \times 0.15m =$					10.125m ³
$2 \times 2 \times 30m \times 0.375m \times 0.15m =$					6.75m ³
$2 \times 2 \times 30m \times 0.375m \times 0.15m =$					6.75m ³
$2 \times 3 \times 30m \times 0.375m \times 0.15m =$					10.125m ³
$2 \times 1 \times 30m \times 0.375m \times 0.15m =$					3.375m ³
$2 \times 10 \times 15m \times 0.375m \times 0.15m =$					16.875m ³
$2 \times 10 \times 10m \times 0.375m \times 0.15m =$					11.25m ³

Continuation

[illegible]

2	Excavation for road way
	is soil using manual means
	for carrying at cut earth
	- - - cut comp. = 0.2
2 x 1 x 30m x 0.375m x 0.15m = 3.375m ³	
2 x 1 x 9m x 0.375m x 0.15m = 1.012m ³	
2 x 3 x 30m x 0.375m x 0.15m = 10.125m ³	
2 x 2 x 30m x 0.375m x 0.15m = 6.75m ³	
2 x 2 x 30m x 0.375m x 0.15m = 6.75m ³	
2 x 3 x 30m x 0.375m x 0.15m = 10.125m ³	
2 x 1 x 30m x 0.375m x 0.15m = 3.375m ³	
2 x 10 x 15m x 0.375m x 0.15m = 16.875m ³	
2 x 10 x 10m x 0.375m x 0.15m = 11.25m ³	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$2 \times 6 \times 5 \text{ m} \times 0.35 \text{ m} \times 0.15 \text{ m} = 3.375 \text{ m}^3$					
$2 \times 1 \times 2 \text{ m} \times 0.35 \text{ m} \times 0.15 \text{ m} = 0.225 \text{ m}^3$					
					73.23 m^3
(3) Const. of embankment with approved material deposited from road way cutting and excavation from drain - - - all Comb. job					
cut in the m.B. p. no (3) item no					
(2) $\times 60\%$					
$73.23 \times 60\% = 43.942 \text{ m}^3$					
(30) Scratching of existing bituminous Surface - - - all Comb. job					
$187 \times 80 \text{ m} \times 3.75 \text{ m} = 112.20 \text{ m}^3$					
$15 \times 130 \text{ m} \times 2.40 \text{ m} = 48.75 \text{ m}^3$					
					160.95 m^3
(4) Const. of granular sub-base by providing well graded material, spreading in uniform layers with motor grader - - - all Comb. job					
$11.70 \text{ m} \times 1.15 \text{ m} \times 0.15 \text{ m} = 2.02 \text{ m}^3$					
$10.30 \text{ m} \times 1.20 \text{ m} \times 0.15 \text{ m} = 1.85 \text{ m}^3$					
$9.55 \text{ m} \times 1.10 \text{ m} \times 0.15 \text{ m} = 1.53 \text{ m}^3$					
$7 \text{ m} \times 0.90 \text{ m} \times 0.15 \text{ m} = 0.95 \text{ m}^3$					

Continuation

4
Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6.85m x 1m x 0.15m =				1.03m ³	
8.35m x 1.05m x 0.15m =				1.32m ³	
9.20m x 1m x 0.15m =				1.38m ³	
6.15m x 0.85m x 0.15m =				0.78m ³	
10m x 1m x 0.15m =				1.50m ³	
11.45m x 0.90m x 0.15m =				1.55m ³	
7.55m x 0.80m x 0.15m =				0.91m ³	
11.80m x 1.20m x 0.15m =				2.12m ³	
9.10m x 1.70m x 0.15m =				2.32m ³	
8.50m x 1.20m x 0.15m =				1.53m ³	
				20.84m ³	

incl - add box cutting	4, 13.237m ³			
item no (3) item no (2)	94.077m ³			
JK				
15/12/19				
J.E				

(5) P/v laying spreading and compacting 8th aggregate of specific size to water bound macadam - - new comp. cut				
12.75m x 1.85m x 0.075m =				1.77m ³
11.35m x 1.90m x 0.075m =				1.62m ³
10.60m x 1.80m x 0.075m =				1.43m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
8.05m x 1.65m x 0.075m =					0.893m ³
7.65m x 1.75m x 0.075m =					1.0m ³
7.50m x 1.70m x 0.075m =					1.01m ³
9.40m x 1.75m x 0.075m =					1.23m ³
10.25m x 1.70m x 0.075m =					1.21m ³
7.20m x 1.55m x 0.075m =					0.84m ³
11.05m x 1.70m x 0.075m =					1.41m ³
12.50m x 1.65m x 0.075m =					1.50m ³
8.60m x 1.50m x 0.075m =					0.97m ³
13.65m x 2.0m x 0.075m =					2.05m ³
12.85m x 1.90m x 0.075m =					1.83m ³
10.80m x 2.0m x 0.075m =					1.62m ³
12.35m x 2.20m x 0.075m =					2.04m ³
6.15m x 2.10m x 0.075m =					0.97m ³
					Gr - 23.57m ³
Dr					
20/7/24					
J.E					
(6) P/v laying sanding and					
compacting stone aggregate					
of specific size to water bound					
macadam - - - - - comp. 202					
For C.C. Partin					
10.40m x 1.75m x 0.075m =					1.34m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
10.45m x 2.15m x 0.075m =					1.69m ³
13.65m x 1.80m x 0.075m =					1.84m ³
11.55m x 2.00m x 0.075m =					1.72m ³
10.15m x 2.00m x 0.075m =					1.52m ³
11.90m x 1.90m x 0.075m =					1.62m ³
6.15m x 1.90m x 0.075m =					0.90m ³
10.80m x 1.85m x 0.075m =					1.50m ³
8.23m x 1.75m x 0.075m =					1.08m ³
11.35m x 1.65m x 0.075m =					1.40m ³
8.60m x 1.80m x 0.075m =					1.16m ³
11.75m x 1.75m x 0.075m =					1.54m ³

13.30m	$\times 1.65m$	$\times 0.075m$	$= 1.65m^3$
8.50m	$\times 1.80m$	$\times 0.075m$	$= 1.15m^3$
12.50m	$\times 1.20m$	$\times 0.075m$	$= 1.59m^3$
11.60m	$\times 1.60m$	$\times 0.075m$	$= 1.39m^3$
13.20m	$\times 2.20m$	$\times 0.075m$	$= 2.18m^3$
			25.40m ³
BT portion			
13.30m	$\times 2.18m$	$\times 0.075m$	$= 2.14m^3$
11.90m	$\times 2.20m$	$\times 0.075m$	$= 1.96m^3$
11.15m	$\times 2.10m$	$\times 0.075m$	$= 1.76m^3$
11.40m	$\times 2.00m$	$\times 0.075m$	$= 1.71m^3$
8.60m	$\times 1.90m$	$\times 0.075m$	$= 1.23m^3$
8.20m	$\times 2.05m$	$\times 0.075m$	$= 1.26m^3$

Continuation

[illegible]

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(7) Const. of dry lean concrete					
Sub base over a prepared					
Subgrade with coarse					
and fine aggregate -					
all comp. in					
10 x 1.50m x 0.80m x 0.075m					= 0.90m ³
10 x 0.90m x 0.75m x 0.075m					= 0.506m ³
5 x 2.50m x 0.85m x 0.075m					= 0.797m ³
8 x 1.00m x 0.60m x 0.075m					= 0.432m ³
10 x 2.20m x 0.95m x 0.075m					= 1.568m ³
8 x 3.00m x 0.95m x 0.075m					= 1.71m ³
15 x 1.10m x 0.80m x 0.075m					= 0.99m ³
12 x 1.25m x 1.20m x 0.075m					= 1.35m ³
7 x 2.10m x 1.10m x 0.075m					= 1.213m ³
20 x 1.10m x 0.85m x 0.075m					= 1.402m ³
5 x 2.00m x 1.00m x 0.075m					= 0.75m ³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
6 x 2.20m x 1.50m x 0.075m				= 1.485m ³
7 x 1.90m x 1.20m x 0.075m				= 1.997m ³
15 x 0.85m x 0.65m x 0.075m				= 0.622m ³
20 x 0.70m x 0.60m x 0.075m				= 0.63m ³
11 x 2.10m x 1.10m x 0.075m				= 1.906m ³
10 x 1.70m x 1.10m x 0.075m				= 1.102m ³
5 x 2.0m x 1.20m x 0.075m				= 0.90m ³
12 x 1.20m x 1.0m x 0.075m				= 1.08m ³
15 x 1.20m x 1.20m x 0.075m				= 1.62m ³
10 x 1.50m x 0.90m x 0.075m				= 1.012m ³
8 x 1.10m x 1.0m x 0.075m				= 0.66m ³
10 x 0.90m x 0.90m x 0.075m				= 0.608m ³
10 x 1.0m x 0.90m x 0.075m				= 0.675m ³
Continuation				25.415m ³

Dr
10/8/24
J.E

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(8) Const. of unreinforced Cement thickness a beddng over a prepared surface with 43 grade cement --- out const. job.					
$1 \times 3000 \times 3.7500 \times 0.1600$					$= 18m^3$
$1 \times 9000 \times 3.7500 \times 0.1600$					$= 5.40m^3$
$4 \times 3000 \times 3.7500 \times 0.1600$					$= 7.2m^3$
$1 \times 13000 \times 3.7500 \times 0.1600$					$= 7.80m^3$
$1 \times 10000 \times 3.75 + 3.9000 \times 0.1600$					$= 6.12m^3$
$13000 \times 3.90 + 4.5000 \times 0.1600$					$= 8.736m^3$
$14000 \times 4.50 + 3.7500 \times 0.1600$					$= 9.24m^3$
$10000 \times 3.75 + 4.1200 \times 0.1600$					$= 6.296m^3$
$10000 \times 4.12 + 3.7500 \times 0.1600$					$= 6.296m^3$
$3 \times 30000 \times 3.7500 \times 0.1600$					
$1 \times 9000 \times 3.7500 \times 0.1600$					$= 5.40m^3$
$1 \times 4000 \times 3.75 + 6.60 + 3.7500 \times 0.1600$					$= 3.008m^3$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1x100m x 3.75m x 0.16m					= 6 m ³
1x120m x 3.75 + 4 + 4.95m x 0.16m		3			= 8.128 m ³
150m x 4.95 + 4.70 + 4.25m x 0.16m		3			= 11.12 m ³
50m x 4.25 + 3.75m x 0.16m		2			= 13.20 m ³
6x300m x 3.75m x 0.16m					= 108 m ³
1x100m x 3.75 + 4.40m x 0.16m					
1x300m x 4.40m x 0.16m					= 21.12 m ³
1x500m x 4.40 + 3.75m x 0.16m		2			= 3.26 m ³
1x250m x 3.75m x 0.16m					= 15 m ³
1x130m x 3.75 + 4.50 + 5.25m x 0.16m		3			= 9.36 m ³
80m x 5.25 + 5.65m x 0.16m		2			= 6.976 m ³
240m x 5.65 + 5 + 4m x 0.16m		3			= 18.752 m ³

Continuation

41
7

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 x 15m x 4 + 3.95					
		2	0.16m		3.54m ³
1 x 15m x 3.95m					
			0.16m		9.48m ³
1 x 10m x 3.95m					
			0.16m		6.32m ³
1 x 15m x 3.95 + 3.75					
		2	0.16m		9.24m ³
1 x 30m x 3.75m					
			0.16m		18m ³
1 x 11m x 3.75m					
			0.16m		6.60m ³
1 x 10m x 3.75 + 3.95					
		2	0.16m		6.16m ³
1 x 18m x 3.95m					
			0.16m		11.376m ³
1 x 10m x 3.95 + 4.5					
		2	0.16m		6.76m ³
1 x 10m x 4.5 + 5.16					
		2	0.16m		7.728m ³
1 x 8m x 5.16 + 3.75					
		2	0.16m		5.702m ³
1 x 5m x 3.75 + 4.90					
		2	0.16m		3.46m ³
1 x 20m x 4.90 + 4.80 + 3.75 + 4.20					
		4			
Continuation					
					x 0.16m
					= 14.52m ³

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1x8m x 3.70 + 3.75	2			0.16m	
					= 5.408m ³
1x15m x 3.75	2	3.70		0.16m	
					= 9.18m ³
1x13m x 3.90				0.16m	= 8.112m ³
1x12m x 3.90m				0.16m	= 7.488m ³
1x12m x 3.90m				0.16m	= 7.488m ³
1x10m x 3.70 + 4.10	2			0.16m	= 6.32m ³
1x10m x 4.10 + 4.15	2			0.16m	= 6.54m ³
1x15m x 4.175 + 4.20	2			0.16m	= 10.05m ³
1x15m x 4.20m				0.16m	= 10.08m ³
1x30m x 4.20m				0.16m	= 20.16m ³
1x5m x 4.20 + 3.75	2			0.16m	= 3.18m ³
1x10m x 3.75m				0.16m	= 7.20m ³
1x11m x 3.75 + 4.90	2			0.16m	= 7.612m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1x4m x	4.90+3.90	2		0.16m	
					= 2.816 m ³
1x5m x	3.90+3.75	2		0.16m	
					= 3.06 m ³
1x13m x	3.75+3+3.30	3		0.16m	
					= 6.938 m ³
1x8m x	3.30+2.50	2		0.16m	
					= 3.712 m ³
1x11m x	2.5+3.9+3.60	3		0.16m	
					= 5.867 m ³

1x10m x	3.60+4.90+5.5	3		0.16m	
					= 7.467 m ³
1x11m x	5.5+3.90+3.40	3		0.16m	
					= 7.509 m ³
1x10m x	3.40+4.80+3.75	3		0.16m	
					= 6.373 m ³
1x10m x	3.75m x 0.16m				= 6 m ³
1x14m x	3.75+4.3+3.90	3		0.16m	
					= 8.923 m ³
1x10m x	3.90+3.75	2		0.16m	
					= 6.12 m ³

Continuation

708.221 m³

2k
10/9/24
J.E

[illegible]

OK
18/12/17
2.3

10) P/W and applying tack coat with bitumen emulsion - all work job same as item no (9) p. no (18) = 495.60 m²

11) P/W laying and rolling of close graded premix surface material of 20 mm thickness - all work job same as item no (9) p. no (18) = 495.60 m²

Continuation

OK
20/11/24
J.E

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(12) P/r and capping track coat with Bituminous emulsion					
- - - - -					
5 x 30m x 3.75m					562.50m ²
5 x 30m x 3.75m					562.50m ²
3 x 30m x 3.75m					337.50m ²
1 x 24m x 3.75m					90m ²
1 x 14m x 3.75 + 3.40 + 3.75					50.867m ²
1 x 30m x 3.75m					112.50m ²

1 x 20m x 3.75m					75m ²
					1790m ²
(13) SDBC					
P/r and laying semi dense bituminous concrete with 100-120 T/H Batch type					
14mp - - - - -					
5 x 30m x 3.75m x 0.025m					14.062m ³
5 x 30m x 3.75m x 0.025m					14.062m ³
3 x 30m x 3.75m x 0.025m					8.438m ³
1 x 24m x 3.75m x 0.025m					2.25m ³
1 x 14m x 3.75 + 3.40 + 3.75					1.272m ³

Continuation

28/11/24
J.E
29/11/24
J.E

1st on A/c Bill
Abstract of cost
18

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) P.V. and fixing of ty - local masonry masonry Sign board with 2000 as per m.s.D. - - - all comp. 200 at vide in this m.B. P.no (18) item no (17) = 170 ✓					
(2) 11412.54/ea - - - 11412 ✓					
(2) cleaning and grubbing road land (B) main main) (at vide in this m.B. uprooting wild vegetation - 100 - - all comp. 200 at vide in this m.B. P.no (2) item no (1) = 0.4092 m ² ✓ (2) 72697.86/Hec - - 29748 ✓					
(3) Const. of embankment with cemented material deposited from road way - - - all comp. 200 at vide in this m.B. P.no (3) item no (3) = 43.942 m ³ ✓ (2) 81.36/m ³ - - 3575 ✓					
(3) (4) Excavation for road way in soil using manual					

Continuation

19
Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
excavation for drainage at cut earth - see sketch at vide in this m. B.					
P. no (3) item no (2)					
73.233 m ²					
@ 103.85/m ²					7606 =
(5) const. of gully					
Sub base by forming wall grade material - see sketch at vide in this m. B.					
P. no (4) item no (4)					
= 94.077 m ²					
@ 2245.20/m ²					211222 =
(6) Scratching out existing bituminous surface - see sketch at vide in this m. B.					
P. no (3) item no 3(1)					
= 160.95 m ²					
@ 20.54/m ²					3306 =
(7) 1/4 layer Stone chippings and Compacting Stone aggregate - see sketch at vide in this m. B.					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
at vide in this m. B					
(8) Item no (8) =					
$23.57 \text{ m}^2 @ 4605.70/\text{m}^2$					108556
(8) P/R laying spread					
ing and compaction str					
at specified size --					
comp. job					
at vide in this m. B					
P-no (7) Item no (6)					
$= 62.57 \text{ m}^2 @ 4488.25/\text{m}^2$					280874
(9) Const. at Day 12 am					
concrete sub base					
over a prepared (urf)					
- re - - all comp. job					
at vide in this m. B					
P-no (9) Item no (7)					
$= 25.415 \text{ m}^2$					
$@ 5349.60/\text{m}^2$					135960
(10) Const. at Uorregator					
- carbide in cement thickness					
as per design -- all on					
job					
at vide in this m. B P.no					
(14) Item no (8) =					
708.22 m^2					
$@ 7998.50/\text{m}^2$					5664706

Continuation

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
(11) P/v and applying prime coat with bituminous emulsion - all comp. on at vide in the m.B. P.no				
(15) item no (9) = 495.60 m ²				
@ 60.43/m ² - - - - -				29949 =
(12) P/v and applying tack coat with bituminous emulsion - all comp. on at vide in the m.B. P.no				
(15) item no (10)				
= 495.60 m ² - - - - -				
@ 20.75/m ² - - - - -				10284 =
(13) P/v laying and rolling at close grade premix surfacing material at 20 mm thickness - all comp. on at vide in the m.B. P.no (15) item no (11)				
= 495.60 m ² - - - - -				
@ 282.52/m ² - - - - -				140017 =
(14) P/v and applying tack coat with bitu- minous emulsion - -				

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
cut and fill					
cut side on the m.s.					
8.70 (16) 1.40 70 (12)					
= 17.90 m					
② 20.75/m ²					37142
(15) SDBC					
8/r and 120m SDBC					
concave with 100-120 ft					
batch type - cut and fill					
SDB					
cut side on the m.s.					
8.70 (15) 1.40 70					
(13) = 14.732 m ³					
② 14866.88/m ³					652188
(16) Conv. of Subgrade and					
E/shoulder - cut and fill					
cut side on the m.s. 8.70					
(17) 1.40 70 (15) = 559.60 m ³					
② 264.44/m ³					147981
Add 18% (18% and 1% L.C.)					142016
					142016
					8894686
Add 5% fee					99611
					8894303
below 4' to 10' - 10'					359112
					8634531

Continuation

30/11/24
JRB

C/P

Sanyal
EE.30/11/24
AB

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
material Student				
DLC - 25.415				
C.C. kerb - 708.221 m ³				
SDBC - 44.772 m ³				
MSS - 495.60 m ²				
prime coat - 495.60 m ²				
tack coat - 495.60 m ²				
			17.90 m ²	
			2285.60 m ²	
W.S.B - 94.073 m ³				
W.B.M - 2 - 23.54 m ³				
W.B.M - 3 - 62.54 m ³				
① 26.5 mm to 9.5 mm				
39.52 m ³			@ 901.46/m ³	3562 =
② 9.5 mm to 2.36 mm				
28.223 m ³			@ 429.97/m ³	1213 =
③ 2.36 mm below (local sand)				
48.187 m ³			@ 144.75/m ³	697 =
④ 63 mm to 4.75 mm				
28.52 m ³			@ 992.33/m ³	2830 =
⑤ Stone screening (11.22 mm)				
6.286 m ³			@ 429.97/m ³	270 =

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑥ Binding material -					
1.886 m ³ @ 161.62/m ³					30 =
⑦ 53 mm to 2.24					
75.71 m ³ @ 1100.04/m ³					8323 =
⑧ Stone screening					
15.017 m ³ @ 429.97/m ³					6457 =
					646 =
SSC					
⑨ 9.5 mm to 4.75 mm					
37.299 m ³ @ 595.16/m ³					2220 =
⑩ 4.75 mm to 2.5 mm					
26.820 m ³ @ 429.97/m ³					1153 =
MSS					
Crushed Stone aggregate OR					
13.2 mm to 0.075 mm					
⑪ 13.381 m ³ @ 429.97/m ³					575 =
PLC					
Crushed Stone agg =					
⑫ 660.272 m ³ @ 901.46/m ³					59521 =
⑬ Sand - 330.136 m ³					
@ 502.80/m ³					16599 =
(14) E/water - 559.60 m ³ @ 35.25/m ³					197300 =
Prime coat - 0.391 m ³					
Leak coat - 0.686 m ³					
Bitumen - 6.12 m ³					

Continuation

Waste Plastic -

976440
9967000

Calculation - 23/3/2024
Received Allotment Rs - 86,34,531/- vide
Letter No - 133(Env). Date - 17.12.2023

Sch. XLV-Form No. 134

Allotment of material - Nil

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Royalty					
Stone -					
Challan submitted by cont.					
Sand -					
Challan submitted by cont.					
a/w -	55	9.60	X 33	=	18467.20
s. fee a/w -	55	9.60	X 35.25	=	19726.20
				51.15%	= 1973.20
Royalty -					18467.20
S. fee -					1973.20

Memo (1st on A/c Bill)					
5% S.D -	42	6945	=		43172.20
2% I.T -		172691	=		20
L.C -	72	712	=		00
C.G.S.T -	72	712	=		00
S.G.S.T -	72	712	=		00
Royalty -					18467.20
S. Fee -					99617.20
					1973.20
Total deduction -	94	8638	=		00
By Net (C.A.M.S) -	76	9383	=		00
Gross -					8634531.20
Pass for Gross Rupees -					8634531.20
Eighty six thousand Eighty six lakh thirty four thousand five hundred thirty - One Only.					

Continuation

Ky
17/12/23

Sany 17/12/23
Executive Engineer
R.W.D. Works Div
Gegri
1.12.23

2nd and final Bill

26

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work: -	4041				Rotan
MDR se	Shankheta				
Name of Agency: -	Satyendra Kumar, and Co. Const Pvt Ltd.				
Agg no: -	20/MDD/2023				
	2024				
Date of commencement: -	16-03-2024				
Date of completion: -	15-12-2024				
Date of approval: -					
below as per agg.					
This record measurement has been taken from M.B NO 703					
(1) clearing and grubbing road					
land including uprooting wild vegetation - - cum					
Comp. vol					
$2 \times 5 \times 3000 \times 100 = 300000$					
$2 \times 1 \times 400 \times 100 = 80000$					
					308000
					in Hect - 0.031 Hect
(2) Excavation for roadway					
in soil using manual					
means for carrying cut					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Cut earth - cut canal					
$2 \times 5 \times 10 \text{ m} \times 0.375 \text{ m} \times 0.15 \text{ m}$					
					$= 5.62 \text{ m}^3$
$2 \times 5 \times 10 \text{ m} \times 0.375 \text{ m} \times 0.15 \text{ m}$					
					$= 5.62 \text{ m}^3$
$2 \times 5 \times 3 \text{ m} \times 0.375 \text{ m} \times 0.15 \text{ m}$					
					$= 1.69 \text{ m}^3$
					12.92 m^3
(3) Const. cut embankment					
with approved standard					
detailed form and cross					
- - - cut canal - - -					
Item (2) $\times 60\%$ =					
$12.92 \times 60\%$ =					7.75 m^3
(4) Const. cut granular sub-base					
by spreading well graded					
material, spreading in uniform					
layers - - - cut canal - - -					
$10 \times 2.55 \text{ m} \times 0.9 \text{ m} \times 0.15 \text{ m}$ =					3.44 m^3
$11 \times 1.75 \text{ m} \times 0.95 \text{ m} \times 0.15 \text{ m}$ =					2.74 m^3
					6.18 m^3
and city vide in this m. &					
P. no (2) + Item (2) =					12.92 m^3
					19.10 m^3

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Canal	50125	1.55	3.8		
				0.075	
10 x 1.50m x 1.20m x 0.075m					1.35m ³
12 x 1.80m x 0.90m x 0.075m					1.46m ³
6 x 2m x 1.20m x 0.075m					1.08m ³
1 x 3m x 2m x 0.075m					0.45m ³
					4.34m ³

8 Canal at low reinforcement

Plain cement thickness as per design over a bed

Surface					
1 x 15m x 3.75 + 4.10 - 3.95					0.16m
		3.08			
					= 9.44m ³
1 x 10m x 3.95 + 3.85					0.16m
		2			
					= 6.24m ³
1 x 15m x 3.85 + 4 + 4.40					0.16m
		3			
					= 9.80m ³
1 x 10m x 4.40 + 4.50 + 3.75					0.16m
		3			
					= 6.74m ³
1 x 25m x 3.75m x 0.16m					
					= 15m ³
1 x 30m x 3.75m x 0.16m					
					= 18m ³
1 x 10m x 3.75 + 4.20					0.16m
		2			
					= 6.36m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 x 10 m x	4.20 + 3.75			0.16 m	
		2			= 6.36 m ³
1 x 15 m x	3.75			0.16 m	= 9 m ³
1 x 15 m x	3.75 + 4 + 3.75			0.16 m	
		3			= 9.20 m ³
4 x 30 m x	3.75			0.16 m	= 7.2 m ³
1 x 15 m x	3.75 + 4.70 + 6.50 + 8.10			0.16 m	
		4			= 13.83 m ³
Extra length / width					
8.5 m x	10.25 m			0.16 m	= 13.94 m ³
	(av)				
4 m x	2.5 m			0.16 m	= 1.60 m ³
					Qty 197.517 m ³

(9) km Stone				
Reinforced Cement Concrete				
M15 grade km stone and				
200 m stone				
(1) km stone - 4 m				
(1) 200 m stone - 9 m				
(10) Driven and Place identification				
Signs with size more than				
0.9 m ²				
2 x 1.20 m x 0.80 m				= 1.92 m ³
(11) R/V and fixing of retro-				
reflectorized cautionary,				
mandatory and informative				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Sign	—	—	—	—	201
(1) Cautionary (A)	—	—	—	14 m	
(11) 600mm (O) mandrel	—	—	—	10 m	
(11) 600mm x 450mm	—	—	—	—	6 m
Intermediary	—	—	—	—	—
(10) Thermoplastic paint	—	—	—	—	—
6 x 3m x 0.55 m	—	—	—	—	9 m ²
(11) Road Stripe	—	—	—	5 x 6 m	—
	—	—	—	—	30 m
(12) Boundary pillar	—	—	—	—	—
Reinforced cement concrete	—	—	—	—	—
mis-grade boundary pillar	—	—	—	—	—
/ local stone	—	—	—	—	—
city	—	—	—	—	56 m
(13) P/r and laying as hot	—	—	—	—	—
applied thermoplastic compound	—	—	—	—	—
2.5 mm thick including retro	—	—	—	—	—
reflecting glass beads	—	—	—	—	—
—	—	—	—	—	201
C.C. Pothole	—	—	—	—	—
2 x 5 x 300mm x 0.10m	—	—	—	—	30 m ²
2 x 5 x 300mm x 0.10m	—	—	—	—	30 m ²
2 x 5 x 300mm x 0.10m	—	—	—	—	30 m ²
2 x 5 x 300mm x 0.10m	—	—	—	—	30 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2 x 5 x 30m x 0.10m =					30m ²
2 x 6 x 30m x 0.10m =					36m ²
2 x 10 x 30m x 0.10m =					60m ²
2 x 6 x 30m x 0.10m =					36m ²
6 x 5 x 1m x 0.10m =					3m ²
3 x Portion					285m ²
2 x 10 x 30m x 0.10m =					60m ²
2 x 3 x 30m x 0.10m =					18m ²
2 x 2 x 30m x 0.10m =					12m ²
2 x 1 x 28m x 0.10m =					5.6m ²
1 x 4 x 1m x 0.20m =					0.8m ²
					0.4m ²

(14) P/L and filling of hydraulic
masonry for masonry for
board with logs at the
masonry - - - - -
cell - 3 m

(15) laying brick salting layer
on prepared sub grade with
brick on end edging across
- - - - -
- - - - -
- - - - -
2 x 5 x 30m x 0.25m = 75m²
2 x 5 x 30m x 0.25m = 75m²
2 x 3 x 5m x 0.25m = 7.5m²
1 x 25 x 10m x 0.25m = 62.5m²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2 x 5 x 10 m x 0.25 m =					25 m ²
2 x 5 x 10 m x 0.25 m =					25 m ²
2 x 3 x 30 m x 0.25 m =					45 m ²
2 x 4 x 30 m x 0.25 m =					60 m ²
2 x 10 x 10 m x 0.25 m =					50 m ²
2 x 10 x 15 m x 0.25 m =					75 m ²
12 x 5 x 10 m x 0.25 m =					25 m ²
2 x 10 x 15 m x 0.25 m =					75 m ²
2 x 1 x 27 m x 0.25 m =					13.50 m ²
2 x 3 x 13 m x 0.25 m =					19.50 m ²
Total =					652 m ²

(16) Cont. of subgrade and

earthen shoulders with abnorm

material obtained from

borrow pits — cut comp soil

S. NO	CH	Area	Mean Area	Dist.	Volume
1	0	1.377			
2	50	1.169	1.273	50	63.65
3	100	1.044	1.107	50	55.325
4	150	1.022	1.033	50	51.65
5	200	1.268	1.145	50	57.25
6	250	1.04	1.154	50	57.70
7	300	1.077	1.059	50	52.925
8	350	1.244	1.161	50	58.025

Continuation

34
Sch. XLV-Form No. 134

Particulars C. No.	Details of actual measurement				Contents of area volume
	No. of	Area	Area	D. 1st	
9	400	1.263	1.254	50	62.675
10	450	1.001	1.132	50	56.60
11	500	1.295	1.148	50	57.40
12	550	1.242	1.269	50	63.425
13	600	1.055	1.149	50	57.425
14	650	1.066	1.061	50	53.025
15	700	1.113	1.09	50	54.475
16	750	1.087	1.10	50	55.00
17	800	1.084	1.086	50	54.275
18	850	1.057	1.071	50	53.525
19	900	1.041	1.049	50	52.45
20	950	1.114	1.078	50	53.875
21	1000	1.058	1.086	50	54.30
22	1050	1.679	1.369	50	68.425
23	1100	1.576	1.628	50	81.375
24	1150	1.572	1.574	50	78.70
25	1200	1.088	1.330	50	66.50
26	1250	1.688	1.388	50	69.40
27	1300	1.661	1.675	50	83.725
28	1350	1.892	1.777	50	88.825
29	1400	1.981	1.937	50	96.825
30	1450	1.449	1.715	50	85.75
31	1500	0.512	0.981	50	49.025
32	1550	1.015	0.764	50	38.175

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
33	1600	1.07	1.043	50	52.125
34	1650	1.162	1.116	50	55.80
35	1700	0.714	0.938	50	46.90
36	1750	0.613	0.664	50	33.175
37	1800	0.503	0.558	50	27.90
38	1850	0.414	0.459	50	22.925
39	1900	0.994	0.704	50	35.25
40	1950	0.543	0.769	50	38.425
41	2000	0.491	0.517	50	25.85
					2270 m ³
Crust Area - (C.S.B + 5R I + 5R II)					

$$\begin{aligned}
 &+ D.L.C + C.C + S.D.B.C + B.C. (siding) \\
 &= (113.177 + 30.95 + 72.62 + 29.755) \\
 &+ 905.74 + 44.772 + 633 \times 0.125
 \end{aligned}$$

$$= 1276.139 \text{ m}^3$$

$$\begin{aligned}
 \text{E/work qty} &= \text{Inculated crust + qty} \\
 &- \text{Crust area}
 \end{aligned}$$

$$= (2270 - 1276.139)$$

$$= 993.861 \text{ m}^3$$

(17) Brick masonry work in

C.M (1:3) in Parapet --

-- del comp. job

$$2 \times 2 \times 6 \text{ m} \times 0.60 \text{ m} \times 0.40 \text{ m} = 5.76 \text{ m}^3$$

$$1 \times 2 \times 3.50 \text{ m} \times 0.60 \text{ m} \times 0.40 \text{ m} = 1.68 \text{ m}^3$$

Continuation

$$7.44 \text{ m}^3$$

as per Continuation
drawing Specification detail

Scanned with CamScanner

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) cleaning and grubbing road land including grubbing wild vegetation, grass, etc. on cont. job					
at vide in this m.B. p.no					
(2) Item no (1) 308 m ² OR 0.031 Hect					
and qty made in this m.B.					
P. no (18) Item no (2) 0.4092 Hect					
				0.44 Hect	
(2) 72687.86/Hect — N 319872					
(2) Scavenging the existing					
to a depth of 150 mm					
and disposal of scavenged material — on cont. job					
at vide in this m.B. p.no					
(15) Item no (6) = 160.95 m ²					
(2) 20.54/m ² — N 33062					
(3) Excavation for road way using manual means for carrying at cut earth to embankments					
size — on cont. job					
Qty. vide in this m.B.					
P. no (19) Item no (4)					
at 73.237 m ³					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty —		73.231		m ³	
and Qty vide in this m.B					
P. no (29) i.e. no (2)				12.92	m ³
				86.151	m ³
@ 103.85 / m ³					n 89472
(4) Const. of embankment					
with approved material					
deposited from road way					
Cutting and excavation					
from drain — see Cont. 2					
Qty vide in this m.B					
(3) =		7.75		m ³	
and Qty vide in this m.B					
P. no (18) i.e. no (3)					
				43.942	m ³
Qty				51.692	m ³
@ 81.36 / m ³					n 42062
(5) Const. of Subgrade					
and Earthen Shoulder					
with approved material					
— see Cont. 205					
Qty vide in this m.B					
P. no (35) i.e. no (16)					
				993.8610	m ³
@ 264.44 / m ³					n 2628162

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(6) Cont. of granular sub-bases by providing well graded material spreading on existing layers with motor grader on prepared surface — all cont. on					
at vide m/s no 3 p. no					
(2) vide no (5) = 94.077 m ³					
and at vide m/s no 3 p. no					
(2) vide no (2) = 19.10 m ³					
				113.177 m ³	

$$2245.70/m^3 \times 113.177 = 254105 =$$

(7) P/L laying Spreading and compaction stone aggregate at specific size to width bound macadam — all cont. on					
at vide m/s no 3 p. no					
(20) vide no (7) = 23.84 m ³					
at vide m/s no 3 p. no					
(28) vide no (8) = 7.38 m ³					
				30.95 m ³	
24605.70/m ³ — 3142546 =					
(8) P/L laying Spreading					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
and compacting stone aggregate and specific size to water bound mix					
Each m ² - - - - -					
at vide in this m ² B. no					
(28) item no (8) = 62.54 m ³					
and at vide in this m ² B.					
P. no (28) item no (6) = 10.05 m ³					
				72.62 m ³	
(2) 4488.95/m ³ ———				5325988	
(9) const. of dry lean concrete slab over					
a prepared sub grade with coarse and fine aggregate — - -					
at vide in this m ² B. no					
(28) item no (9) 25.41 m ³					
and at vide in this m ² B.					
P. no (29) item no (10) = 4.34 m ³					
at 29.755 m ³					
(2) 5349.60/m ³ ———				4159177	
(10) const. of unreinforced plain cement thickness as per design over a prepared surface with approved material					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
at 43 grade cement - all over -					
at vide in this m. B				P. no	
(20) item no (10) = 708.221 m ²					
and at vide in this m. B					
P. no (30) item no (8) = 197.517 m ²					
				905.738 m ²	
@ 7998.50/m ³ ———					7244545
(11) P/v and applying					
primer coat with bitu					
men emulsion (SS-1)					
on prepared surface - all over					
at vide in this m. B					
P. no (21) item no (11) =					
495.60 m ² @ 60.43/m ² ———					29949 =
(12) P/v and applying					
tack coat with bitumen					
emulsion - all over job					
at vide in this m. B P. no					
(21) item no (12) = 495.60 m ²					
@ 20.75/m ² ———					10284 =
(13) P/v laying and rolling					
at close graded premix					
surfacing material — —					
— — all over job					
at vide in this m. B P. no					
(21) item no (13) = 495.60 m ²					

Continuation to C 0

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
② 49.5-60m					
② 282.52/m ²					n 140017 =
⑭ 8/4 and abutting deck					
coat with bitumen					
emulsion - all comb.					
job					
at wide in dist of 3					
P. no ②② item no ⑭					
= 1790m ²					
② 20.75/m ²					n 37142 =
⑮ 500k, 8/4 and 1/4					

semi dense bituminous					
Concrete with 100-120TPH					
- - - all comb. job					
at wide in this m. 3					
P. no ②② item no ⑮					
44.772m ³					
② 14566.88/m ²					n 6521882 =
⑯ 1/4 brick solid					
layer on prepared sub					
grade with brick or					
and edging accord					
to line grade and					
Cross section - - all comb.					
at wide in this m. 3 P. no					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(33) item no (15) = 633 m ²					
@ 5418.41/m ² —					347144 =
(17) P/r R.C.C mis goods					
km stone and 200 m					
stone					
old rule in this m.s p.no					
(30) item no (9) @ 1 km					
stone - 4 no @ 2937.56/each = 11750 =					
(11) 200m stone - 9 no					
@ 824.32/each —					7419 =
(18) Drain and place ider					
—ification from with size					
more than 0.9 m ³ size					
beard — — — — —					
old rule in this m.s					
p.no (30) item no (10)					
1.92 m ³ @ 15071.39/m ² = 28937 =					
(19) P/r and firing ex meter					
— reflectorised collationary,					
mandatory, and inferioratory					
Sign — — — — —					
provide in this m.s p.no (30) item no (3)					
(1) 600 mm Δ and triangle					
= 14 no @ 4621.28/each = 64698 =					
(11) 600 mm (O) circular — 10 no					
@ 6056.77/each —					60568 =
(11) 600 mm × 450 mm □					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
at - 6 no					
@ 5909.83/each					35459 =
(iv) thermoplastic paint -					
900 ² @ 886.39/m ²					7977 =
(v) Road Strips - 30 no					
@ 294.11/each					8823
(20) Boundary pillar					
Reinforced cement concrete					
MIS concrete boundary					
pillar - - each comb. 003					
at vide in the 00.3					
P. no (31) item no (120)					
= 56 no					
@ 790.92/each					44291 =
(21) P.V and laying at					
hot applied thermoplastic					
Compound 2.5 mm thick					
tees - - each comb. 006					
at vide in the 00.3 P. no					
(31) item no (13) BT Poration					
@ 96.40m ² @ 886.39/m ²					85448
C.C Poration - at 285m ²					
@ 1004.15/m ²					286183 =
(22) P.V and fixing of tybraz					
messy infomatory sign					
board logo as per word					

Continuation

Continuation

Continuation
Sany 02/04/25
EB