

Est 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 measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work.					Construction of Road
					and CD works with
					Maintenance for Chawara
					Ekarha Road
Name of Contractor-					Sri Ramo Nand Singh
					Ward No- 12 Mahanchi
Mokama.					Patna. Pin- 803301
					Parade. AYPS 423/L

Agreement No. 13 MBD/2023-24

Agreement value-

Construction Cost Rs 99,92,594.00 ✓

Maintenance Cost Rs 33,63,046.00 ✓

Total Cost Rs 1,33,55,640.00 ✓

Date of Commencement - 24-07-2023

Date of Completion (As per Agree)- 23-04-24

Rate Quoted (-) 10% Below.

sanctified length- 2700 meter.

[BT- 2450 m, CCP- 250 m]

Continuation

2
Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
①	clearing and grubbing				
②	Road Land				
2 sides	2	30	1.80	216.00m ³	
2 sides	4	30	2.20	528.00	
2 sides	7	30	2.30	966.00	
2 sides	6	30	2.40	864.00	
2 sides	7	30	2.50	1050.00	
2 sides	1	20	2.25	90.00	
2 sides	8	30	0.15	72.00	
2 sides	1	10	0.15	03.00	
2 sides	10	30	2.10	1260.00	
2 sides	12	30	2.00	1440	
2 sides	9	30	2.15	1161	
2 sides	7	30	2.20	924	
2 sides	11	30	2.00	1518 1320	
2 sides	5	30	2.50	750	
2 sides	1	30	0.60	36	
				= 10680m ²	
				= 1.068 Hect.	
②	scarifying Existing				
③	Bituminous ^{road} Seal				
1	4.00	2.00		= 8m ²	
1	3.00	1.80		= 5.40m ²	
1	5.00	1.50		= 7.50m ²	
1	4.00	1.70		= 6.80m ²	
1	7.00	2.00		= 14.00m ²	
1	1.00	1.00		= 01.00m ²	
Continuation					
CO. 42.70m ²					

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.F		42.70 m ²
	1	4.00	1.50		= 6.00 m ²
	1	8.00	1.00		= 8.00 m ²
	1	3.00	1.40		= 4.20 m ²
	1	6.00	1.60		= 9.60 m ²
	1	7.00	1.70		= 11.90 m ²
	1	9.00	1.20		= 10.80 m ²
					= 93.20 m ²

3/4

Construction of
Embankment with
material obtained

			from Borrow Pits		
			Lead 1000 m		
2 sides	5	30	0.800	0.300	72.00 26.00 m ²
2 sides	6	30	0.900	0.300	97.20 48.60 m ²
2 sides	7	30	1.00	0.300	126.00 63.00
2 sides	4	30	1.10	0.300	79.20
2 sides	4	30	1.15	0.300	82.80
2 sides	1	20	1.00	0.300	12.00
2 sides	8	30	0.60	0.300	86.40
2 sides	1	10	0.60	0.300	03.60 m ²
2 sides	12	30	1.00	0.300	216.00 m ²
2 sides	11	30	1.10	0.300	217.80
2 sides	9	30	1.20	0.300	194.40
2 sides	06	30	1.15	0.350	62.10 231.20

Continuation

1159.50 m²

8
Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F.	30.54 m ³
	1	7.60	1.60	0.150	01.68
	1	8.0	2.00	0.150	2.40
	1	10.0	1.40	0.150	2.10
	1	11.0	2.00	0.150	3.30
	1	9.0	1.20	0.150	1.62
	1	7.0	1.90	0.150	2.00
	1	10.0	1.80	0.150	2.70
	3	8.00	2.00	0.150	7.20
	1	7.0	2.10	0.150	2.21
	2	8.0	1.80	0.150	4.32
	1	9.0	2.30	0.150	3.11
	1	7.0	1.20	0.150	1.26
	3	6.00	0.90	0.150	2.43
	1	7.00	1.00	0.150	1.05
	2	6.0	1.30	0.150	2.34
	1	7.0	1.70	0.150	1.79
	1	8.0	1.80	0.150	2.16
	1	9.0	2.00	0.150	2.70
	1	10.0	2.10	0.150	3.15
	1	6.0	1.70	0.150	1.53
	1	7.0	1.70	0.150	1.79
	1	3.0	1.80	0.150	0.81
	1	4.0	2.00	0.150	1.20
	1	5.0	2.10	0.150	1.58
	1	9.0	1.40	0.150	1.89

Continuation

Co. 88.86 m³

6
Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F	88.86 m ²
	1	10.0	1.30	0.150	= 01.95 m ²
	1	7.0	1.50	0.150	= 01.58
	1	8.0	1.60	0.150	= 01.92
	1	9.0	1.70	0.150	= 02.30
	1	9.0	0.90	0.150	= 01.22
	1	8.0	1.50	0.150	= 01.80
	1	4.0	1.80	0.150	= 1.08
	1	11.0	1.50	0.150	= 2.48
	1	10.0	1.00	0.150	= 1.50
	1	7.0	1.60	0.150	= 1.68
	1	8.0	2.00	0.150	= 02.40
	1	7.0	1.10	0.150	= 01.16
	1	9.0	2.20	0.150	= 02.97
	1	2.0	2.20	0.150	= 0.66
	1	8.0	1.80	0.150	= 02.16
	1	7.0	2.30	0.150	= 02.42
	1	8.0	1.90	0.150	= 2.28
	1	7.0	1.60	0.150	= 1.68
	1	4.0	1.40	0.150	= 0.84
	1	7.0	2.30	0.150	= 2.42
	1	7.0	2.00	0.150	= 2.10
	1	8.0	2.10	0.150	= 2.52
	1	6.0	1.80	0.150	= 1.62
	1	8.0	1.90	0.150	= 2.28
	1	10.0	2.10	0.150	= 3.15

Continuation

Co. 137.03 m²


 15.9.2023
 JE


 15.09.2023
 AE

$$\frac{5}{7}$$

Spreading layer
spreading and
compacting W.B.M.

Grading 2

Continuation

Co. 16.09 m^3

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				A.F.	16.09 m ²
	1	7.0	1.70	0.075	0.89
	1	8.0	2.10	0.075	1.26
	1	10.0	1.50	0.075	1.13
	1	11.0	2.10	0.075	1.73
	1	9.0	1.30	0.075	0.88
	1	7.0	2.00	0.075	1.05
	1	10.0	1.90	0.075	1.43
	3	8.0	2.10	0.075	3.78
	1	7.0	2.20	0.075	1.16
	2	8.0	1.90	0.075	2.28
	1	9.0	2.40	0.075	1.62
	1	7.0	1.30	0.075	0.68
	3	6.0	1.00	0.075	1.35
	1	7.0	1.10	0.075	0.58
	2	6.0	1.40	0.075	1.26
	1	7.0	1.80	0.075	0.95
	1	8.0	1.90	0.075	1.14
	1	9.0	2.10	0.075	1.42
	1	10.0	2.20	0.075	1.65
	1	6.0	1.80	0.075	0.81
	1	7.0	1.80	0.075	0.95
	1	3.0	1.90	0.075	0.43
	1	4.0	2.10	0.075	0.63
	1	5.0	2.20	0.075	0.83
	1	9.0	1.50	0.075	0.10

Continuation

Co. 46.99 m²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F	46.99 m ²
	1	10.0	1.40	0.075	1.05 m ²
	1	7.0	1.60	0.075	0.84
	1	8.0	1.70	0.075	1.02
	1	9.0	1.80	0.075	1.22
	1	9.0	1.00	0.075	0.68
	1	8.0	1.60	0.075	0.96
	1	4.0	1.90	0.075	0.57
	1	11.0	1.60	0.075	1.32
	1	10.0	1.10	0.075	0.83
	1	7.0	1.70	0.075	0.89
	1	8.0	2.10	0.075	1.26
	1	7.0	1.20	0.075	0.63
	1	9.0	2.30	0.075	1.55
	1	2.0	2.30	0.075	0.35
	1	8.0	1.90	0.075	1.14
	1	7.0	2.40	0.075	1.26
	1	8.0	2.40	0.075	1.20
	1	7.0	1.70	0.075	0.89
	1	4.0	1.50	0.075	0.45
	1	7.0	2.40	0.075	1.26
	1	7.0	2.10	0.075	1.10
	1	8.0	2.20	0.075	1.32
	1	6.0	1.90	0.075	0.86
	1	8.0	2.00	0.075	1.20
	1	10.0	2.20	0.075	1.65

Continuation

Co. 72.49 m²

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				Σ	72.49m ²
	1	8.0	1.90	0.075	0.14
	1	7.0	2.20	0.075	1.16
	1	7.0	1.80	0.075	0.95
	1	6.0	2.20	0.075	0.99
	1	4.0	2.40	0.075	0.72
	1	6.0	1.90	0.075	0.86
	2	7.0	2.00	0.075	2.10
	1	6.0	2.10	0.075	0.95
	1	5.0	1.50	0.075	0.56
	1	6.0	1.30	0.075	0.59
	2	3.0	1.60	0.075	0.72
	1	7.0	1.80	0.075	0.95
	4	8.0	1.90	0.075	4.56
	1	6.0	1.50	0.075	0.68
	2	9.0	1.50	0.075	2.03
	3	7.0	1.60	0.075	2.52
	1	6.0	1.80	0.075	0.81
	1	7.0	1.68	0.075	0.88
					95.66m ²
From 20-9-2023					
20-9-2023					
(6/8)	Revising laying spreading and compacting stone aggregates w. 15mm Grading 3				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1	7.0	2.00	0.075	01.05 m ³
	1	8.0	2.10	0.075	1.26 m ³
	1	7.0	2.20	0.075	1.16
	1	10.0	2.00	0.075	1.50
	1	7.0	1.80	0.075	0.95
	1	9.0	1.70	0.075	1.15
	1	10.0	1.90	0.075	1.43
	1	7.0	2.00	0.075	1.05
	1	8.0	2.10	0.075	1.26
	1	9.0	2.20	0.075	1.49
	1	7.0	2.20	0.075	1.16
	1	10.0	1.90	0.075	1.43
	1	8.0	2.00	0.075	1.20
	1	7.0	1.70	0.075	0.89
	1	8.0	2.10	0.075	1.26
	1	10.0	1.50	0.075	1.13
	1	11.0	2.10	0.075	1.73
	1	9.0	1.30	0.075	0.88
	1	7.0	2.00	0.075	1.05
	1	10.0	1.90	0.075	1.43
	3	8.0	2.10	0.075	3.78
	1	7.0	2.20	0.075	1.16
	2	8.0	1.90	0.075	2.28
	1	9.0	2.40	0.075	1.62
	1	7.0	1.30	0.075	0.68
	3	6.0	1.00	0.075	1.35

Continuation

CO. 35.33 m³

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F	35.33 m ³
	1	7.0	1.10	0.075	0.58
	2	6.0	1.40	0.075	1.26
	1	7.0	1.80	0.075	0.95
	1	8.0	1.90	0.075	1.14 m ³
	1	9.0	2.10	0.075	1.42
	1	10.0	2.20	0.075	1.65
	1	6.0	1.80	0.075	0.81
	1	7.0	1.80	0.075	0.95
	1	3.0	1.90	0.075	0.43
	1	4.0	2.10	0.075	0.63
	1	5.0	2.20	0.075	0.83
	1	9.0	1.50	0.075	1.01
	1	10.0	1.40	0.075	1.05
	1	7.0	1.60	0.075	0.84
	1	8.0	1.70	0.075	1.02
	1	9.0	1.80	0.075	1.22
	1	9.0	1.00	0.075	0.68
	1	8.0	1.60	0.075	0.96
	1	4.0	1.90	0.075	0.57
	1	11.0	1.60	0.075	1.32
	1	10.0	1.10	0.075	0.83
	1	7.0	1.70	0.075	0.89
	1	8.0	2.10	0.075	1.26
	1	7.0	1.20	0.075	0.63
	1	9.0	2.30	0.075	1.55 m ³

Continuation

Co. 59.81 m³

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.P.	59.81
	1	2.0	2.30	0.075	0.35
	1	8.0	1.90	0.075	1.14
	1	7.0	2.40	0.075	1.26
	1	8.0	2.00	0.075	1.20
	1	7.0	1.70	0.075	0.89
	1	4.0	1.50	0.075	0.45
	1	7.0	2.40	0.075	1.26
	1	7.0	2.10	0.075	1.10
	1	8.0	2.20	0.075	1.32
	1	6.0	1.90	0.075	0.86
	1	8.0	2.00	0.075	1.20
	1	10.0	2.20	0.075	1.65
	1	8.0	1.90	0.075	1.14
	1	7.0	2.20	0.075	1.16
	1	7.0	1.80	0.075	0.95
	1	6.0	2.20	0.075	0.99
	1	4.0	2.40	0.075	0.72
	1	6.0	1.90	0.075	0.86
	2	7.0	2.00	0.075	2.10
	1	6.0	2.10	0.075	0.95
	1	5.0	1.50	0.075	0.56
	1	6.0	1.30	0.075	0.59
	2	3.0	1.60	0.075	0.72
	1	7.0	1.80	0.075	0.95
	4	8.0	1.90	0.075	4.56

Continuation

Co. 88.74 m²

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				8F	88.74 m ²
	1	6.0	1.50	0.075	0.68
	2	9.0	1.50	0.075	2.03
	3	7.0	1.60	0.075	2.52
	1	6.0	1.80	0.075	0.81
	1	7.0	1.90	0.075	1.00
	1	11.0	1.80	0.075	1.49
	1	13.0	1.40	0.075	1.37
	1	14.0	1.50	0.075	1.58
	1	12.0	1.70	0.075	1.53
	1	11.0	1.80	0.075	1.49
	1	7.0	2.00	0.075	01.05
	1	10.0	1.90	0.075	01.43
	1	9.0	1.20	0.075	0.81
	6	6.0	1.60	0.075	4.32
	1	7.0	1.70	0.075	0.89
	5	6.0	1.40	0.075	3.15
	1	8.0	2.00	0.075	1.20
	3	7.0	1.50	0.075	2.36
	1	13.0	1.70	0.075	1.66
	2	12.0	2.00	0.075	3.60
	1	13.0	1.80	0.075	01.76
	1	12.0	2.00	0.075	1.80
	5	12.0	1.30	0.075	5.85
	1	11.0	2.00	0.075	1.65
	1	12.0	2.10	0.075	1.89

Continuation

Co. 136.66 m²

15
Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.P.	136.66
	6	11.0	1.60	0.075	07.92
	1	12.0	1.20	0.075	01.08
	3	13.0	1.80	0.075	5.27
	1	14.0	2.00	0.075	2.10
	1	15.0	1.90	0.075	2.14
	1	7.0	1.80	0.075	0.95
	1	8.0	2.10	0.075	1.26
	1	9.0	2.20	0.075	1.49
	1	10.0	1.70	0.075	1.28
	1	11.0	1.50	0.075	1.24
	1	7.0	2.00	0.075	1.05
	1	6.0	1.60	0.075	0.72
	1	12.0	1.60	0.075	1.44
	1	11.0	1.70	0.075	1.40
	1	12.0	1.90	0.075	1.71
	1	13.0	2.00	0.075	1.95
	1	14.0	1.30	0.075	01.37
	1	12.0	1.20	0.075	1.08
	1	10.0	1.40	0.075	1.05
	1	6.0	1.50	0.075	0.68
	1	8.0	1.60	0.075	0.96
	1	10.0	1.80	0.075	1.35
	2	6.0	1.70	0.075	1.53
	1	11.0	1.90	0.075	1.57
	4	5.0	1.40	0.075	2.10

Continuation

Co. 181.35 m³

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F	02.85 m ²
	1	4.0	1.80	0.10	0.72
	1	9.0	1.30	0.10	1.17
	1	6.0	1.90	0.10	1.14
	1	7.0	2.30	0.10	1.61
	1	6.0	1.40	0.10	0.84
	1	4.0	2.50	0.10	1.00
	1	3.00	2.50	0.10	0.75
	1	2.00	2.10	0.10	0.42
	1	6.00	2.60	0.10	0.56
	1	7.00	2.20	0.10	1.54
	1	6.0	1.90	0.10	1.14
	1	5.0	1.70	0.10	0.85
	1	6.0	1.90	0.10	1.14
	1	6.0	1.80	0.10	1.08
	1	7.0	2.30	0.10	1.61
					19.42 m ²
	27-09-2023 27-09-2023 AS				
Construction of Hume Pipe Culvert at CH 1180m & CH 1330m.					
Earth work in excavation for foundation of structure					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Head wall	2	3.90	1.15	1.500	$= 13.455 \text{ m}^3$
Below pipe	1	5.35	1.13	0.365	$= 0.2205 \text{ m}^3$
					$= 15.660 \text{ m}^3$
Qty for 2 Nos H.P.C	$= 2 \times 15.66$				$= 31.32 \text{ m}^3$
$\frac{9}{29}$	Providing m/s as				
	levelling in foundation				
Head wall	2	3.90	1.150	0.150	$= 1.345 \text{ m}^3$
Below pipe	1	5.31	1.13	0.250	$= 1.500 \text{ m}^3$
					$= 2.845 \text{ m}^3$
less for pipe	$0.25 \times \frac{\pi}{4} \times (0.83)^2 \times 5.85 (-)$				0.795 m^3
					$= 2.050 \text{ m}^3$
Qty for 2 Nos H.P.C	2×2.050				$= 4.10 \text{ m}^3$
$\frac{10}{35}$	P.C.C. m/s in sub-structure				
Head wall	2	3.60	$\frac{1.00 + 0.400}{2} = 0.700$	2.78	$= 14.011 \text{ m}^3$
Parapet	2	3.60	0.400	0.600	$= 0.728 \text{ m}^3$
less for pipe					$= 15.739 \text{ m}^3$
	$2 \times \frac{\pi}{4} \times (0.83)^2 \times 0.525 (-)$				0.569 m^3
					$= 15.170 \text{ m}^3$
Qty for 2 Nos	$= 2 \times 15.170$				$= 30.34 \text{ m}^3$
$\frac{11}{30}$	Providing and laying				
	R.C.C. Pipe & B for Culverts 600mm dia				
	$3 \times 2.50 \text{ m} = 7.50 \text{ m}$				
Qty for H.P.C for 2 Nos	$= 2 \times 7.5 \text{ m} = 15 \text{ m}$				

Continuation

30-9-2023
JB

30-09-2023
AE

[illegible]

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>12</u> 13					
Construction of					
un-reinforced					
cement concrete					
Pavement M30					
with coarse sand					
and stone chips					
from chainage 818m to 1068m.					
1	40	$\frac{3.75 + 3.75}{2}$		0.16	24.00 m ³
1	5	$\frac{4.80 + 4.60}{2}$		0.16	3.76 m ³
1	3	$\frac{4.60 + 3.75}{2}$		0.16	102.00 m ³
1	10	$\frac{3.75 + 3.65}{2}$		0.16	5.92 m ³
1	6	$\frac{3.65 + 3.70}{2}$		0.16	3.53 m ³
1	28	$\frac{3.70 + 3.75}{2}$		0.16	16.69 m ³
1	9	$\frac{3.75 + 3.80}{2}$		0.16	105.44 m ³
1	5	$\frac{3.80 + 3.90}{2}$		0.16	103.08 m ³
1	8	$\frac{3.90 + 3.90}{2}$		0.16	104.99 m ³
1	10	$\frac{3.90 + 3.80}{2}$		0.16	6.16 m ³
1	7	$\frac{3.80 + 3.75}{2}$		0.16	4.23 m ³
1	76	$\frac{3.75 + 3.75}{2}$		0.16	45.60 m ³
1	5	$\frac{3.75 + 3.80}{2}$		0.16	3.02 m ³
1	6	$\frac{3.80 + 4.10}{2}$		0.16	3.79 m ³
1	8	$\frac{4.10 + 4.75}{2}$		0.16	5.66 m ³
1	5	$\frac{4.75 + 4.10}{2}$		0.16	3.54 m ³
1	7	$\frac{4.10 + 3.75}{2}$		0.16	4.40 m ³
1	12	$\frac{3.75 + 3.75}{2}$		0.16	7.20 m ³
Total Length	250m				153.01 m ³

Continuation

153.00 m³

Sanctioned by

12-10-2023

 A.E.

12-10-2023

A.E.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(13) 3	Scrubbing Existing Bituminous Surface				
	1	7.0	1.60		$= 11.20 \text{ M}^2$
	1	9.0	1.20		$= 10.80 \text{ M}^2$
	1	6.0	0.90		$= 05.40 \text{ M}^2$
	1	8.00	1.80		$= 14.40 \text{ M}^2$
	1	3.0	1.40		$= 4.20 \text{ M}^2$
	1	5.0	2.10		$= 10.50 \text{ M}^2$
	1	7.0	1.90		$= 13.30 \text{ M}^2$
	1	4.00	2.00		$= 08.00 \text{ M}^2$
	1	9.00	1.00		$= 09.00$
	1	7.00	0.90		$= 6.30 \text{ M}^2$
					$= 93.10 \text{ M}^2$
14					
(14) 9	Prime Coat - Providing and applying Prime Coat with bitumen emulsion (SS-1) on prepared surface				
	Area vide Gr III in B.T. Portion vide T.M.B. Page 16				
	206	32	0.075		$= 2750.93 \text{ M}^2$

Continuation

SDBC	PLL	SDBC
818m	250m	1651m

22

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
15 11 Tack Coat Providing and applying Tack Coat with bitumen emulsion.					
Same area of Prime Coat as per					= 2750.93m ²
16 10 Mix seal Surface Patch work over existing					
mix seal Surface for bituminous Surface Same area as Prime Coat area = 2750.93m ²					
17 11 Tack Coat Providing and applying Tack Coat with bitumen emulsion (RS-1)					
1 8					$\frac{6.30 + 3.90}{2} = 40.80 \text{ m}^2$
1 10					$\frac{3.90 + 3.75}{2} = 38.25 \text{ m}^2$

Continuation

Co. 79.05 m²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.P.	3119.745 m ²
	1	108	$\frac{3.75+3.75}{2}$		= 405.00
	1	5	$\frac{3.75+3.90}{2}$		= 19.125
	1	8	$\frac{3.90+4.00}{2}$		= 31.60
	1	7	$\frac{4.00+4.35}{2}$		= 29.22
	1	7	$\frac{4.35+4.10}{2}$		= 29.57
	1	7	$\frac{4.10+3.90}{2}$		= 28.00
	1	7	$\frac{3.90+3.75}{2}$		= 26.77
	1	137	$\frac{3.75+3.75}{2}$		= 513.75
	1	7	$\frac{3.75+3.90}{2}$		= 26.77
	1	7	$\frac{3.90+4.50}{2}$		= 29.40
	1	7	$\frac{4.50+4.20}{2}$		= 30.45
	1	7	$\frac{4.20+4.00}{2}$		= 28.70
	1	10	$\frac{4.00+3.75}{2}$		= 38.75
	1	32	$\frac{3.75+3.75}{2}$		= 120.00
	1	5	$\frac{3.75+4.00}{2}$		= 19.37
	1	5	$\frac{4.00+5.60}{2}$		= 24.00
	1	5	$\frac{5.60+5.40}{2}$		= 27.50
	1	5	$\frac{5.40+3.75}{2}$		= 22.87
	1	668	$\frac{3.75+3.75}{2}$		= 2505.00
	1	7	$\frac{3.75+4.00}{2}$		= 27.12
	1	5	$\frac{4.00+4.30}{2}$		= 20.75
	1	8	$\frac{4.30+3.90}{2}$		= 32.80
	1	5	$\frac{3.90+3.75}{2}$		= 19.12
	1	294	$\frac{3.75+3.75}{2}$		= 1102.50
	1	5	$\frac{3.75+3.90}{2}$		= 19.12

Continuation

Co. 8297.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.P.	8297.00 m ²
	1	5	$\frac{3.90 + 5.00}{2}$		= 22.25
	1	5	$\frac{5.00 + 6.50}{2}$		= 28.75
	1	268	$\frac{3.75 + 3.75}{2}$		= 1005.00
	1	5	$\frac{3.75 + 3.10}{2}$		= 17.12
					= 9370.12 m ²
(18/12)	Semi Dense Bituminous Concrete Providing and Laying semi dense Bituminous concrete.				
					$9370.12 \times 0.025 = 234.253 \text{ m}^3$
(19/5)	Construction of earthen shoulder obtained from borrow pit lead up to 100m				
B.T. Portion	[2]	1φ 30	1.100	0.300	= 217.80
	[2]	1φ 30	1.00	0.30	= 288.00
	P.C.L Portion Pavement				250m
B.T. Portion	[2]	20 30	1.100	0.30	= 396.00
	[2]	20 30	0.90	0.30	= 324.00
	[2]	1 30	0.80	0.30	14.40 m ³

$$1240.20 \text{ m}^3$$

Abstract of Cost

① clearing and
Grubbing Road
Land (By manual
means)

1.068 Hect Buty vide T.m.B Page ②
@ Rs 72697 = 86/Hect Rs 77641 = 00

② Scarifying Existing
Bituminous Road
Surface

93.20 m² Buty vide T.m.B Page ③
@ Rs 20 = 21/m² Rs 1884 = 00
Rs 79525 = 00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F. Rs	79525 = 10
(3/4) Construction of embankment with material obtained from borrow pits					
Lead up to 1000 m.					
1322.70 m ³ Duty vide TMB Page (4)					
@ Rs 256 = 95/m ³ Rs 3,39,868 =					
(4/5) Construction of earthen shoulder obtained from borrow pits with lead up to 1000 m					
1240.20 m ³ Duty vide TMB Page (25)					
@ Rs 260 = 32/m ³ Rs 3,22,849 =					
(5/6) Granular sub-base with well graded material					
Grading 2					
141.30 m ³ Duty vide TMB Page (7)					
19.42 m ³ Duty vide TMB Page (17)					
160.72 m ³ @ Rs 1545 = 69/m ³ Rs 2,48,423 =					
@ Rs 9,90,665 = 10					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B. f. Is	9,90,665=
(6/7)	W.B.M. Grading 2				
	Boulding laying				
	spreading and				
	compacting stone				
	Aggregate.				
95.66 m ²	Outside T.M.B. Page (10)				
	@ Rs	3363	= 33/m ²	Rs	3,21,7367
(7/8)	W.B.M. Grading 3				
	Boulding laying				
	spreading				
	and compacting				
	stone aggregates				
206.32 m ²	Outy side T.M.B. Page (16)				
	@ Rs	2939	= 45/m ²	Rs	6,06,467=
(8/9)	Prime coat				
	Boulding and				
	applying primer				
	coat with bitumen				
	emulsion (SS-1) on				
	Prepared surface				
2750.93 m ²	Outy side T.M.B. Page (21)				
	@ Rs	60	= 60/m ²	Rs	1,65,0567

Continuation

Co Rs 20,83,924=

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				Rs. 1.80	20,83,924 =
(9) Patch work over					
w. B.M. using mix					
seal surface for					
bituminous pavement					
2750.93 m ²					
Buty side T.M. & Page (22)					
@ Rs 283 = 41/m ² Rs					7,79,641 =
(10) Tack Coat					
Providing and					
applying Tack Coat					
with bitumen					
emulsion on (RS-1)					
2750.93 m ²					
Buty side T.M. & Page (22)					
9370.12 m ²					
Buty side T.M. & Page (25)					
12121.05 m ²					
@ Rs 20 = 58/m ² Rs					2,49,451 =
(11) Providing and					
laying semi dense					
bituminous					
Concrete					
234.253 m ²					
Outside T.M. & Page (25)					
@ Rs 13890 = 50/m ² Rs					32,53,774 =
(12) Pavement					
construction of					

Continuation

C.Rs 63, 66, 790 =

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.P.B.	63,66,790=
				unreinforced	
				Plain cement	
				with coarse sand	
				and stone chips	
153.00 m ³	Duty vide T.M.B Page (20)				
	@ Rs 8712 = 56/m ³				Rs 13,33,022=
(12/25)	Road marking with				
	Hot Applied				
	Thermoplastic Compound				
	on bituminous				
	surface				
462.00 m ²	Duty vide T.M.B Page (26)				
	@ Rs 824 = 79/m ²				Rs 3,81,053=
(14/28)	Earth work in				
	excavation for				
	structure				
31.32 m ³	Duty vide T.M.B Page (18)				
	@ Rs 383 = 28/m ³				Rs 12004=00
(15/29)	Providing M15 (P.C.C.				
	(1:2:5:5) as Levelling				
	course in Foundation				
04.10 m ³	Duty vide T.M.B Page (18)				
	@ Rs 6887 = 26/m ³				Rs 28238=00

Continuation

Co Rs 81,21,107=

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B. f. Rs	81,21,107=
(16/30) Providing and Laying R.C.C. Pipe					
NP 600 mm dia					
15 m					
Qty vide Tms Page (18)					
@ Rs 3144/-					
					Rs 47170=
(17/35) Plain Cement Concrete (P.C.C. m ²) in Sub-structure					
30.34 m ² Qty vide Tms Page (18)					
@ Rs 7903/-					
					Rs 2,39,787=
					Rs 84,08,064=
(18/38) Add 18% G.S.T					Rs 15,13,452=
(19/39) Add 1% Labour cess					Rs 84081=
(20/40) S.F. [Page No (32)]					Rs 1,01,242=
					Rs 1,01,06,839=
less 10% Below as per Agreement					(-) Rs 10,10,684=
					Rs 90,96,155=
(21/41) 10-2023					
28-10-2023					
AE					

Continuation

Whole Letter No - C.E-4 (H.P) 3054-01.05/2022 part
 -II - 144 (Encl)/part at - 20/10/2023
 Attachment Received Rs - 9472,594/-

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Sch. XLV-Form No. 134

memo at Let on A/c Bill Rs - 9096155/-

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
I-Tax @ 1%.		90962/-			
G-GST @ 1%.		90962/-			
S-GST @ 1%.		90962/-			
h. cess @ 1%.		90962/-			
S.D @ 5%.		454808/-			
Royalty		276199/-			
S.F		101242/-			
in A/c		7900058/-			
Total Rs		9096155/-			

passed for Rs - 90,96,155/- Rupees
 ninety lakh ninety six thousand
 one hundred fifty five only

Executive Engineer
 R.W.D. Works Division
 Sheikhpura

30/10/23

30/10/23

TO/Cm No - PNB 2023/0055511

u DA - 30/10/23

Continuation

2nd & Final Bill

34

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work- Construction of Road and L.S. works with maintenance for Chawara Ekashra Road					
Package No- MR-N/22-2354/KH/PWA/10					
Agreement No- 13(MAD)/2023-2024					
Name of Contractor- Sri Ranganand B.M.D. MOHA DINGU Singh					
Ward No 12 Maxanchi					
Patra Pin- 803301					
Plan No- AY NPS 423/L					
Date of commencement 24-07-2023					
Date of Completion 23-04-2024					
Rate Quoted (-) 10% Below.					
Block- Chawara.					
Sanction length - 2.700 meter					
S. D. B. C 2.450 km ccf - 0.250 km					
Agreement value					
Construction Cost Rs 99,92,594 =					
Maintenance Cost Rs 33,63,046 =					
<u>Rs 1,33,55,640 =</u>					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1/25) Road marking on bituminous surface					
	2	818	0.10		$= 163.60 \text{ m}^2$
	2	1632	0.10		$= 326.40$
					$= 490.00 \text{ m}^2$
less duty side T.M.B. (30)					$\rightarrow 462.00 \text{ m}^2$
					28.00 m^2
(2/26) Road marking on concrete surface					
	2	250	0.100		$= 50.00 \text{ m}^2$
(3/32) Painting two coats on new concrete surface					
At chainage 1180 m & 1330 m.					
Top	2	2	3.60	0.40	$= 5.76 \text{ m}^2$
Side	2	4	0.40	0.60	$= 1.92 \text{ m}^2$
Inside	2	2	3.60	0.73	$= 10.512$
outside	2	2	3.60	0.60	$= 8.64$
					$= 26.872 \text{ m}^2$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
④ 33	Brick masonry				
	work in cm (1:3)				
	in parapet				
	1	7.70	0.40	0.55	$= 01.694 m^3$
	1	7.00	0.40	0.55	$= 01.540 m^3$
	2	6.20	0.40	0.40	$= 01.984 m^3$
	1	12.50	0.40	0.40	$= 02.00 m^3$
	1	12.10	0.40	0.40	$= 01.936$
3x	2	6.20	0.40	0.40	$= 04.464$
					$= 13.618 m^3$
⑤ 31	Plastering with				
	Cement mortar				
	(1:4) on brick work				
	in substructure.				
Top	1	7.70	0.40		$= 3.08 m^2$
Top	1	7.00	0.40		$= 2.80 m^2$
Side	4	0.40	0.60		$= 0.96 m^2$
Inside	1	7.70	0.55		$= 04.23 m^2$
Inside	1	7.00	0.55		$= 03.85 m^2$
Outside	1	7.70	0.60		$= 4.62 m^2$
Outside	1	7.00	0.62		$= 4.34 m^2$
Top	2	6.20	0.40		$= 4.96 m^2$
Side	4	0.40	0.60		$= 0.96 m^2$
Inside	2	6.20	0.30		$= 03.72 m^2$
Outside	Continuation				
	$2 \times 6.20 \times 0.30 = 03.72 m^2$				
	Co. $37.24 m^2$				

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
TOP		1	12.50	0.40	0.500
TOP		1	12.10	0.40	0.484
Side		4	0.40	0.60	0.96
In Side		1	12.50	0.30	3.75
In side		1	12.10	0.30	3.63
Outside		1	12.50	0.40	5.00
Outside		1	12.10	0.40	4.84
TOP		1	6.20	0.40	2.48
TOP		1	6.15	0.40	2.46
Side		4	0.40	0.60	0.96
In side		1	6.20	0.35	2.17
In side		1	6.15	0.35	2.15
Outside		1	6.20	0.35	2.17
Outside		1	6.15	0.35	2.13
TOP		1	6.00	0.40	2.40
TOP		1	6.30	0.40	2.52
Side		4	0.40	0.60	0.96
In side		1	6.00	0.50	3.00
In side		1	6.30	0.50	3.15
Outside		1	6.00	0.50	3.00
Outside		1	6.30	0.50	3.15
TOP		2	6.20	0.40	04.96

Continuation

CO. 102.92 m²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Side		4	0.40	0.60	0.96
Inside		2	6.20	0.40	04.96
outside		2	6.20	0.50	06.20
					= 115.04 m ²

(6)
34

Painting two coats
on new plaster
on B/W surface

Same area as item

140 (5) Plaster 95 m² = 115.04 m²
Page (38)

(7)
15

Bonding ^{fixing} 1 m Stone - 04 Nos.

(8)
16

Bonding and
fixing 200 m Stone - 11 Nos.

(9)
27

Bonding and
fixing in formation
Board and
maintenance board - 02 Nos.

(10)
5

construction of
Subgrade and
Earth shoulder

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Besides	2	11	30	1.100	0.30 = 217.80 m ³
SDBL	2	16	30	1.100	0.30 = 288.00 m ³
	2	1	8	0.900	0.30 = 04.32 m ³
Besides P.C.C.					
	2	8	30	0.600	0.30 = 86.40 m ³
	2	1	10	0.600	0.30 = 03.60 m ³
Besides SDBL					
	2	20	30	1.100	0.30 = 396.00 m ³
	2	20	30	0.90	0.30 = 324.00 m ³
	2	09	30	1.00	0.30 = 162.00 m ³
	2	05	30	0.800	0.30 = 72.00 m ³
	2	01	12	0.800	0.30 = 03.36 m ³
					= 1559.88 m ³
Left Duty side TMB Page (25)					= 1240.20 m ³
					= 319.68 m ³
					319.68 m ³
(11/18)	Bridging and fixing				
	600 mm equilateral				
	triangle -				02 Nos.
(12/20)	Bridging and fixing				
	600 mm x 450 mm rectangular - 02 Nos.				
(13/2)	clearing and grubbing				
	Road Land				
	2	30	2.00		= 120.00 m ²
					= 0.012 Hect

Continuation

21-4-2024
21-4-2024
21-4-202421-04-2024
AE-

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	<u>Abstract of G22</u>				
(1) 2	clearing and grubbing Road Land (by manual means)				
1.068 Hect	Qty vide TMB Page (26)				
0.012 Hect	Qty vide TMB Page (39)				78514=
1.080 Hect	Rs 72697=86/acre Rs 77641=				
(2) 3	Scarifying existing Bituminous Surface				
93.20 m ²	Qty vide TMB Page (26)				
	Rs 20 = 21/m ² Rs 1884=				
(3) 4	Construction of embankment with material obtained from Borrow pit				
	Lead 1000 m.				
1322.70 m ³	Qty vide TMB Page (27)				
	Rs 256 = 95/m ³ Rs 339,868=				
(4) 5	Construction of subgrade & earthwork				
1240.20 m ³	Qty vide TMB Page (27)				
319.68 m ³	Qty vide TMB Page (39)				
317.52 m ³					
1557.72 m ³	Rs 260 = 32/m ³ Rs 4,06,068=				
1559.88 m ³					4,05,506=

Continuation

Rs 8,24,899=

8,26,334=

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(9/10) M/S Seal Surface for minimum Pavement					
2750.93 m ² Duty side T.M.B. Page (29)					
@ Rs 283 = 41/m ² Rs 7,79,641 =					
(10/11) Tack Coat					
boiling and applying Tack Coat with bitumen emulsion (Rs-1)					
12/21.05 m ² Duty side T.M.B. Page (29)					
@ Rs 20 = 58/m ² Rs 2,49,451 =					
(11/12) Boiling and Laying S.D.B.C.					
234.253 m ³ Duty side T.M.B. Page (29)					
@ Rs 13890 = 00/m ³ Rs 32,53,774 =					
(12/13) cement concrete Pavement m 30 with coarse sand and stone chips					
153.00 m ³ Duty side T.M.B. Page (30)					
@ Rs 8712 = 56/m ³ Rs 13,33,022 =					

Continuation

Co Rs 77,82,469 =

77,83,904 = 00

Particulars	Details of actual measurement			Contents of work
	No.	L.	B.	
(13) (15)	Providing and fixing 100mm			
04 Nos	Qty vide TMB Page (34)			
	Q.R. 2914 = 99/each Rs 11660 =			
(14) (16)	Providing and fixing 200mm			
11 Nos	Qty vide TMB Page (35)			
	Ch. 820 = 50/each Rs 9025 =			
(15) (18)	Providing and fixing 600mm			
	equilateral triangle			
02 Nos	Qty vide TMB Page (39)			
	Q.R. 4447 = 06/each Rs 8894 =			
(16) (25)	Road marking on Bituminous surface			
462.00m ²	Qty vide TMB Page (30)			
28.00m ²	Qty vide TMB Page (35)			
490.00m ²	Q.R. 824 = 79/m ² Rs 4,04,147 =			
(17) (26)	Road marking on concrete surface			
50.00m ²	Qty vide TMB Page (35)			
	Q.R. 931 = 80/m ² Rs 46590 =			

Continuation

C.R. 82,62,785 =
82,64,220 =

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(18) 27	Boriding and fixing main Information board and maintenance board				
D2 Nos	Buty vide TMB Page (38)				
	@ Rs 11497=96/Per R				22996=00
(19) 28	Earth work in excavation for structure				
31.32 m ³	Buty vide TMB Page (30)				
	@ Rs 383=28/m ³ Rs				12004=
(20) 29	Boriding m/s [Per 1:2.5:1.5] as levelling course in Foundation				
04.10 m ³	Buty vide T.M.B Page (30)				
	@ Rs 6887=26/m ³ Rs				28238=
(21) 30	Boriding and Laying R.C.C. Pipe N.P. 600 mm D, &				
15 m	Buty vide m.B Page (31)				
	@ Rs 3144=69/m Rs				47170=

Continuation

COR 83,73,193=

83,74,628=

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
21 31 Plastering with cement mortar (1:4) on brick work in substructure					
115.04 m ²	Qty vide TMB Page (38)				
	Q.R. 207 = 07/m ² Rs 23821 =				
22 32 Painting Two coats on new concrete surfaces					
26.872 m ²	Qty vide TMB Page (35)				
	Q.R. 127 = 28/m ² Rs 3420 = ru				
23 33 Brick masonry work in CM (1:3) in parapet wall					
13.618 m ³	Qty vide TMB Page (36)				
	Q.R. 6268 = 57/m ³ Rs 85365 =				
24 34 Painting Two coats on new plaster area					
115.04 m ²	Qty vide TMB Page (38)				
	Q.R. 127 = 28/m ² Rs 14642 = ru				
25 35 P.C.C. M20 in substructure					
30.34 m ³	Qty vide TMB Page (39)				
	Q.R. 7903 = 34/m ³ Rs 2,39,787 = ru				

Continuation

Co.Rs 87,40,228 = ru
87,41,663 =

87,41,663 = 46
B.P. Rs 87,40,228 = 46

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(26/20) Boring and Aring Ground 450m m Rectangular					
04 no B.P. side T.M.B. Page (39)					
C.R. 4184 = 44 / each					Rs 16,738 = 46
					Rs 87,58,401 = 46
(27/38) Add 18% G.S.T					Rs 15,76,512 =
(28/39) Add 1% Labours cost					Rs 87,584 =
(29/40) Add S.F. [Page 47]					1,07,502 = Rs 1,07,495 =
					Rs 1,05,29,999 =

less 10% below as per
agreement (-) Rs 10,53,000 =
Rs 94,76,999 =

less for various Passed Bill
vide T.M.B. Page (33) (-) Rs 90,96,155 =
Rs 3,80,844 = 46

21-4-2024 JE
21-04-2024 AE
21-04-2024

Construction work completed on
dated 21-04-2024 and maintenance
work will be started from dated
22-04-2024

Continuation
21-4-2024 JE
21-04-2024 AE

update material statement

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
E/W	2882.58				1.00.917 = 100.917
26.5 mm to 9.5 mm	209.70				1.85.794 =
9.5 mm to 2.36 mm	191.98				81.440 =
Local sand	81.97				11748 =
63 mm to 45 mm	128.64				1.25.424 =
stone screening	75.35				31964 =
Medium	07.65				1224 =
53 mm to 22.4 mm	249.65				2.69.747 =
Stone concrete aggregate	1280.658				1.64.466 =
Coarse sand	91.33				45117 =
20 mm Aggregate	17.3				20613 =
Bricks	6809				36564 =

(S-1) Bitumen emulsion 2339 kg
 (RS-1) Bitumen emulsion 3334 kg
 (S-90) 32919 kg
 waste Plastic = 419 kg

SF Rs 10.75.020
 10.74.945
 107.495 =
 1.07.502 =

21-04-2024
 AE.

Continuation