

MR-3054-2018 New Maint. Policy.

Schedule XLV-Form No. 134

Lakhisarai Bypass Canal Mose to
Ramgarh chowk Huddi Nahar Packgeno. 04
S.B. Gengicom Pvt. Ltd.

AggNO- 30/MBD/2022-23

DIVISION

Start - 21/12/2022

SUB-DIVISION

End - 20/09/2023

M.B.No - 765

MEASUREMENT BOOK

1st on A/c Bill

1

Name to 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				Contents of area
	No.	L	B.	D.	
Name of work. Lakhsarai Bypass					
Canal more to Ramgarh Chowk					
Huddi Nandar					

Name of Agency - S.B. engicon Pvt Ltd.

Agreement No - 30 MBD of 2022-23

Date of start - 21.12.2022

Date of Completion - 20.09.2023

Date of measurement - 20-09-2023

Record measurement

① clearing and grubbing road law
etc all Comp.

2x	20x	30x	1.50	= 1800 m ²
2x	25x	30x	1.50	= 2250 m ²
2x	10x	30x	1.50	= 900 m ²
2x	30x	30x	1.50	= 2700 m ²
2x	20x	30x	1.50	= 1800 m ²
2x	20x	30x	1.50	= 1800 m ²
2x	15x	30x	1.50	= 1350 m ²
2x	20x	30x	1.50	= 1800 m ²
2x	20x	30x	1.50	= 1800 m ²
2x	10x	30x	1.50	= 900 m ²
				17100 m ²
				1.71 Hect

② scarifying the existing bituminous

road surface etc all Comp.

5x	30x	3.25	= 487.50 m ²
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Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L	B	D.	
	8 x	30 x	2.95	= 70	8 m ²
	3 x	25 x	2.45	= 183	.75 m ²
	7 x	24 x	2.80	= 470	.40 m ²
	6 x	30 x	2.15	= 38	7 m ²
	7 x	26 x	3.50	= 63	7 m ²
					2873.65 m ²
		limit			2868.75 m ²

③ Construction of embankment

with approved material etc. all Gmp

$$1 \times 25 \times \frac{7.90 + 5.80}{2} \times 1.25 = 214.10 \text{ m}^3$$

$$2 \times 30 \times \frac{5.80 + 6.10}{2} \times 1.25 = 446.25 \text{ m}^3$$

$$4 \times 30 \times \frac{6.10 + 4.90}{2} \times 1.25 = 825 \text{ m}^3$$

$$1 \times 16 \times \frac{4.90 + 7.20}{2} \times 1.25 = 121 \text{ m}^3$$

$$1 \times 29 \times \frac{7.20 + 7.65}{2} \times 1.25 = 263.16$$

$$\frac{263.16}{0.0704 \times 23} = 1875.51 \text{ m}^3$$

$$\text{limit} = 1875 \text{ m}^3$$

RCC slab Culvert

④ E/W in excavation for structure

etc. all Comp

$$\text{Abutment } 2 \times 9.10 \times 2.30 \times 1.60 = 66.976 \text{ m}^3$$

$$\text{Return wall } 4 \times 1.60 \times 2.117 \times 1.60 = 21.678 \text{ m}^3$$

$$\text{Floor under deck slab } 1 \times 7.70 \times 1.40 \times 0.25 = 2.695 \text{ m}^3$$

$$10\% \text{ Qty Extra for slope} = 9.135 \text{ m}^3$$

$$100.48 \text{ m}^3$$

⑤ Sand filling in foundation

trenched etc. all Gmp

$$1 \times 7.70 \times 2.629 \times 0.100 = 2.029 \text{ m}^3$$

⑥ providing RCC mix Concrete

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
for plain Concrete in open					
foundation etc. all Comp					
Abutment					
2x 9.10x 2.30x 0.200 = 8.372 m ³					
Return wall					
4x 1.60x 2.117x 0.200 = 2.71 m ³					
Floor under deck slab					
1x 2.70x 2.736x 0.150 = 3.16 m ³					
					14.24 m ³
⑦ providing pcc m15 Concrete					
for open foundation etc. all Comp					
Abutment					
2x 8.30x 1.80x 1.40 = 41.832 m ³					
Return wall					
4x 1.60x 1.617x 1.40 = 14.488 m ³					
					56.32 m ³
⑧ plain/Rcc m20 in Substructure					
etc. all Comp					
Abutment					
2x 7.50x 1.00x 1.80 = 27 m ³					
Return wall					
4x 1.90x 0.759x 2.15 = 12.339 m ³					
					39.339 m ³
⑨ plain/Rcc m20 in Substructure					
etc. all Comp					
Abutment Cap					
2x 7.50x 0.700x 0.20 = 2.10 m ³					
Dirt wall					
2x 7.50x 0.400x 0.30 = 1.80 m ³					
Return wall G.Ping					
4x 2.20x 0.40x 0.150 = 0.528 m ³					
					4.43 m ³
⑩ providing Bitumen painting					
over top surface etc. all Comp					
Abutment Cap					
2x 7.50x 0.700 = 10.50 m ²					
Dirt wall					
2x 7.50x 0.300 = 4.50 m ²					
					15 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
(11) P/L RCC in Superstructure					
(Deck slab etc.)	etc.	all	Comp		
1x 7.50x 3.56x 0.30					= 8.01 m ³
(12) Supplying, fitting and placing					
HYSD bar etc.	all	Comp			
Abutment Cap & dirt wall @					
75 kg/m ³		3.90x75			= 292.50 kg
Deck Slab @ 105 kg/m ³					
		8.01x105			= 841.050 kg
Add 2% for loss & wastage					22.671 kg
Total					1.16 MT
(13) providing and filling joint					
Sealing etc.	all	Comp			
	2x	7.50			= 15 m
(14) plain/RCC m20 m Substructure					
etc.	all	Comp			
parrapet					
2x 9 x 0.40x 0.60					= 4.32 m ³
(15) painting two coats on new					
Concrete Surface etc.	all	Comp			
parrapet wall (sides)					
4x 9.0x 0.60					= 21.60 m ²
parrapet wall (Top)					
2x 9.0x 0.40					= 7.20 m ²
parrapet wall (ends)					
4x 0.40x 0.60					= 0.96 m ²
					29.76 m ²
(16) providing weep holes in brick					
masonry etc.	all	Comp			
2x 12 + 4x4					= 40 Nos.

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
12 nos. 300mm HP Culvert					
(17) E/W in excavation for foundation etc. all Comp.					
H.W.	12 x 2 x	2.05 x	0.8 x	1.3 = 51.168 m ³	
Below pipe	12 x 1 x	6.10 x	0.75 x	0.225 = 12.348 m ³	
					63.516 m ³
(18) Sand filling in foundation trenches etc. all Comp.					
H.W.	12 x 2 x	2.05 x	0.80 x	0.10 = 39.36 m ³	
Below pipe	12 x 1 x	6.544 x	0.750 x	0.15 = 8.832 m ³	
					12.768 m ³
(19) Brick flat Soling in foundation trenches etc. all Comp.					
H.W.	12 x 2 x	2.05 x	0.80 x	0.10 = 5.904 m³	
					39.36 m ³
(20) providing pcc mis Concrete for plain Concrete etc. all Comp.					
H.W.	12 x 2 x	2.05 x	0.80 x	0.150 = 5.904 m ³	
(21) plain / RCC in Substructure etc. all Comp.					
H.W.	12 x 2 x	1.80 x	0.50 x	1.35 = 29.16 m ³	
pattapal	12 x 2 x	1.80 x	0.40 x	0.60 = 10.368 m ³	
less for pipe	12 x 2 x	0.7857 x	0.450 x	0.433 = 1.656 m ³	
					37.872 m ³
(22) p/l 300 mm dia RCC pipe N.P. 3 etc. all Comp.					
	12 x 3 x	2.50		= 90 m	
2 nos. 600mm HP Culvert					
(23) E/W in excavation for foundation etc. all Comp.					

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D.	
H.W.					
2x2x	3.30x	1.15x	1.50	= 26.91 m ³	
Below pipe					
2x1x	5.35x	1.13x	0.365	= 4.41 m ³	
					31.32 m ³
(24) providing m/s RCC as walling					
Course in foundation etc. all Comp					
H.W.					
2x2x	3.30x	1.15x	0.150	= 2.691 m ³	
Below pipe					
2x1x	5.311x	1.13x	0.250	= 3.0 m ³	
less for pipe					
2x	0.250x	0.7857	0.832x	5.849 = 1.582 m ³	
					4.10 m ³
(25) plain RCC in Substructure					
etc. all Comp					
H.W.					
2x2x	3.60x	0.700x	2.18	= 21.974 m ³	
Walled					
2x2x	3.60x	0.900x	1.20	= 6.912 m ³	
less for pipe					
2x2x	0.7857	0.832x	0.530	= 1.178 m ³	
					27.74 m ³
(26) p/L RCC pipe NP-3 for Culverts					
etc. all Comp					
	2x3	x2.50	= 15 m		
(27) Dismantling of existing structure					
etc. all Comp					
Cement Concrete					2.22 m ³
(28) Dismantling of existing structure etc. all Comp					
RCC					6.72 m ³
(29) Removing all type of HP					
upto 600mm dia					10 nos.

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Continuation

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Particulars	Details of actual measurement			Contents of area
	No.	L	B	
(30) Construction of Subgrade				
and earthen shoulder etc. all comp				
2x	20x30	$1.10 + \frac{2}{2}$	$1.13 \times 0.45 =$	$602.10 m^3$
2x	10x30	$1.12 + \frac{2}{2}$	$1.12 \times 0.45 =$	$303.75 m^3$
2x	20x30	$1.12 + \frac{2}{2}$	$1.11 \times 0.45 =$	$602.10 m^3$
2x	30x30	$1.11 + \frac{2}{2}$	$1.13 \times 0.45 =$	$907.20 m^3$
2x	20x30	$1.13 + \frac{2}{2}$	$1.05 \times 0.45 =$	$588.60 m^3$
2x	25x30	$1.05 + \frac{2}{2}$	$1.13 \times 0.45 =$	$735.75 m^3$
2x	25x30	$1.13 + \frac{2}{2}$	$1.12 \times 0.45 =$	$759.375 m^3$
2x	20x30	$1.12 + \frac{2}{2}$	$1.10 \times 0.45 =$	$599.40 m^3$
2x	10x30	$1.10 + \frac{2}{2}$	$1.14 \times 0.45 =$	$302.90 m^3$
2x	9x30	$1.14 + \frac{2}{2}$	$1.11 \times 0.45 =$	$73.775 m^3$
2x	1x23	$1.11 + \frac{2}{2}$	$1.13 \times 0.45 =$	$23.184 m^3$

(31) Excavation for road work

in soil etc. all Comp

2x10x	30x	$0.40 + \frac{2}{2}$	$0.388 \times 0.100 =$	$23.64 m^3$
2x5x	30x	$0.388 + \frac{2}{2}$	$0.372 \times 0.100 =$	$11.4 m^3$
2x2x	30x	$0.372 + \frac{2}{2}$	$0.370 \times 0.100 =$	$4.45 m^3$
2x1x	15x	$0.370 + \frac{2}{2}$	$0.242 \times 0.100 =$	$0.92 m^3$
				40.41 m³
limit —				39.38 m³
2x20x	30x	$0.392 + \frac{2}{2}$	$0.372 \times 0.2 =$	$91.68 m^3$
2x15x	30x	$0.372 + \frac{2}{2}$	$0.376 \times 0.2 =$	$67.32 m^3$
2x25x	30x	$0.376 + \frac{2}{2}$	$0.374 \times 0.2 =$	$112.50 m^3$
2x20x	30x	$0.374 + \frac{2}{2}$	$0.378 \times 0.2 =$	$90.24 m^3$
2x30x	30x	$0.378 + \frac{2}{2}$	$0.362 \times 0.2 =$	$193.20 m^3$

2 Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
2x20x 30x0	362+0	377	x0.2 =	88.68 m ³	
2x25x 30x0	377+0	369	x0.2 =	111.90 m ³	
2x15x 30x0	369+0	378	x0.2 =	67.23 m ³	
	2			762.75 m ³	
Total =	762.75 m ³	39.38 m ²			

802.13 m³

(32) Construction of GSB Gr-1

etc. all Comp.
in earthen portion

1x25 x 4.52+4.05	x0.2 =	21.425 m ³
2x30x 4.05+3.98	x0.2 =	48.18 m ³
1x30x 3.98+4.11	x0.2 =	24.27 m ³
1x22x 4.11+3.92	x0.2 =	17.67 m ³

1x13 x 3.92+4.15	x0.2 =	10.49 m ³
2		122.035 m ³
limit		121.50 m ³

in widening portion

2x2x 30x0	455+0	362	x0.10 =	4.90 m ³
2x5x 30x0	362+0	382	x0.10 =	11.16 m ³
2x8x 30x0	382+0	377	x0.10 =	6.83 m ³
2x4x 30x0	377+0	373	x0.10 =	9 m ³
2x1x 23x	0.373+0.248	x0.10 =	1.428	
2			33.32 m ³	

overlaid on BEs

1x23x	4.28+3.82	x0.10 =	9.315 m ³
5x30x	3.82+3.68	x0.10 =	56.25 m ³
3x30x	3.68+3.76	x0.10 =	33.48 m ³
4x30x	3.76+3.74	x0.10 =	4.5 m ³
2x30x	3.74+3.62	x0.10 =	22.08 m ³

Continuation 166.125 m³

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
Qty as per Appendix					
1 x 9 x	2.40 x	0.10	=		2.16 m ²
1 x 8 x	1.90 x	0.10	=		1.52 m ²
1 x 7 x	2.0 x	0.10	=		1.40 m ²
1 x 10 x	1.80 x	0.10	=		1.80 m ²
1 x 7 x	1.60 x	0.100	=		1.12 m ²
1 x 9 x	1.50 x	0.100	=		1.35 m ²
1 x 10 x	1.70 x	0.100	=		1.70 m ²
1 x 9 x	1.80 x	0.100	=		1.62 m ²
1 x 10 x	1.90 x	0.100	=		1.90 m ²
1 x 11 x	2.10 x	0.100	=		2.31 m ²
1 x 9 x	2.30 x	0.100	=		2.07 m ²
1 x 8 x	2.20 x	0.100	=		1.76 m ²
1 x 10 x	2.20 x	0.100	=		2.20 m ²
1 x 9 x	2.00 x	0.100	=		1.80 m ²
1 x 10 x	2.40 x	0.100	=		2.40 m ²
1 x 10 x	2.00 x	0.10	=		2.00 m ²
1 x 8 x	2.20 x	0.150	=		2.64 m ²
1 x 11 x	2.20 x	0.150	=		3.63 m ²
1 x 7 x	2.30 x	0.150	=		2.42 m ²
1 x 10 x	2.20 x	0.150	=		3.30 m ²
1 x 8 x	2.40 x	0.150	=		2.88 m ²
1 x 9 x	2.20 x	0.150	=		2.97 m ²
1 x 10 x	2.60 x	0.150	=		3.90 m ²
1 x 9 x	2.10 x	0.150	=		2.84 m ²
1 x 11 x	2.0 x	0.150	=		3.30 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1x	10x	2.40x	0.150	=	3.60m ³
1x	11x	2.40x	0.150	=	3.96m ³
1x	10x	2.20x	0.150	=	3.30m ³
1x	11x	2.10x	0.150	=	3.47m ³
1x	10x	2.20x	0.150	=	3.30m ³
1x	11x	2.40x	0.150	=	3.96m ³
1x	10x	2.50x	0.150	=	3.75m ³
1x	12x	2.10x	0.150	=	3.78m ³
1x	13x	2.10x	0.150	=	4.10m ³
1x	10x	2.20x	0.150	=	3.30m ³
1x	11x	2.40x	0.150	=	3.96m ³
1x	9x	2.20x	0.150	=	2.97m ³
1x	11x	1.80x	0.150	=	2.97m ³
1x	8x	1.90x	0.150	=	2.28m ³
1x	11x	1.70x	0.100	=	1.87m ³
1x	7x	1.50x	0.100	=	1.05m ³
1x	6x	1.60x	0.100	=	0.96m ³
1x	10x	1.60x	0.150	=	2.40m ³
1x	9x	1.70x	0.150	=	2.70m ³
1x	11x	1.80x	0.150	=	2.97m ³
1x	10x	2.40x	0.150	=	3.60m ³
1x	9x	2.40x	0.150	=	3.24m ³
1x	10x	2.60x	0.150	=	3.90m ³
1x	9x	1.90x	0.100	=	1.71m ³
1x	10x	2.30x	0.100	=	2.30m ³
1x	8x	2.10x	0.100	=	1.68m ³
1x	10x	2.40x	0.100	=	2.40m ³

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
1 x 11 x	2.30x	0.100	=	2.53m ³	
1 x 8 x	2.40x	0.100	=	1.92m ³	
1 x 11 x	2.10x	0.100	=	2.31m ³	
1 x 9 x	2.30x	0.100	=	2.07m ³	
1 x 10 x	2.40x	0.100	=	2.40m ³	
1 x 11 x	2.50x	0.100	=	2.75m ³	
1 x 10 x	2.60x	0.100	=	2.60m ³	
1 x 9 x	2.10x	0.100	=	1.89m ³	
1 x 9 x	2.60x	0.100	=	2.34m ³	
1 x 11 x	2.30x	0.100	=	2.53m ³	
1 x 9 x	2.40x	0.100	=	2.16m ³	
1 x 10 x	2.10x	0.100	=	2.10m ³	
1 x 10 x	2.70x	0.100	=	2.70m ³	
1 x 10 x	1.90x	0.100	=	1.90m ³	
1 x 10 x	2.30x	0.100	=	2.30m ³	
1 x 10 x	2.10x	0.150	=	3.15m ³	
1 x 11 x	2.40x	0.150	=	3.96m ³	
1 x 9 x	2.30x	0.150	=	3.11m ³	
1 x 10 x	2.50x	0.150	=	3.75m ³	
1 x 10 x	2.10x	0.150	=	3.15m ³	
1 x 11 x	2.30x	0.150	=	3.80m ³	
1 x 12 x	2.40x	0.150	=	4.32m ³	
1 x 10 x	2.50x	0.100	=	2.50m ³	
1 x 11 x	2.40x	0.100	=	2.64m ³	
1 x 12 x	2.20x	0.100	=	2.64m ³	
1 x 11 x	2.60x	0.100	=	2.86m ³	
1 x 11 x	2.50x	0.100	=	2.75m ³	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
1 x	10 x	2.10 x	0.100	=	2.10 m ²
1 x	11 x	2.10 x	0.100	=	2.31 m ²
1 x	12 x	2.20 x	0.100	=	2.64 m ²
1 x	11 x	2.40 x	0.100	=	2.64 m ²
1 x	10 x	2.20 x	0.100	=	2.20 m ²
1 x	12 x	1.80 x	0.100	=	2.16 m ²
1 x	10 x	1.90 x	0.100	=	1.90 m ²
1 x	11 x	1.70 x	0.100	=	1.87 m ²
1 x	10 x	1.50 x	0.100	=	1.50 m ²
1 x	9 x	2.60 x	0.100	=	2.08 m ²
1 x	7 x	2.10 x	0.100	=	1.47 m ²
1 x	11 x	2.00 x	0.100	=	2.20 m ²

1 x 10 x	1.90 x	0.100	=	1.90 m ²
1 x 11 x	2.40 x	0.100	=	2.64 m ²
1 x 10 x	2.50 x	0.150	=	3.75 m ²
1 x 11 x	2.10 x	0.150	=	3.47 m ²
1 x 12 x	2.20 x	0.150	=	3.36 m ²
1 x 11 x	2.40 x	0.150	=	3.36 m ²
1 x 9 x	2.50 x	0.150	=	3.78 m ²
1 x 12 x	2.10 x	0.150	=	3.78 m ²
1 x 11 x	2.10 x	0.150	=	3.47 m ²
1 x 12 x	2.20 x	0.100	=	2.64 m ²
1 x 11 x	2.40 x	0.100	=	2.64 m ²
1 x 12 x	2.20 x	0.100	=	2.64 m ²
1 x 11 x	1.80 x	0.100	=	1.98 m ²
1 x 10 x	1.90 x	0.100	=	1.90 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 x	12 x	1.80 x	0.100	=	2.16 m ³
1 x	11 x	2.0 x	0.100	=	2.20 m ³
1 x	12 x	2.10 x	0.100	=	2.52 m ³
1 x	11 x	2.20 x	0.100	=	2.42 m ³
1 x	12 x	2.40 x	0.100	=	2.88 m ³
1 x	13 x	2.20 x	0.100	=	2.86 m ³
1 x	11 x	1.80 x	0.100	=	1.98 m ³
1 x	11 x	1.90 x	0.100	=	2.09 m ³
1 x	13 x	1.70 x	0.100	=	2.21 m ³
1 x	12 x	2.10 x	0.100	=	2.52 m ³
1 x	13 x	2.20 x	0.100	=	2.86 m ³
1 x	15 x	2.40 x	0.100	=	3.60 m ³
1 x	14 x	2.10 x	0.150	=	4.41 m ³

1 x	16 x	1.70 x	0.150	=	4.08 m ³
1 x	14 x	2.20 x	0.150	=	4.62 m ³
1 x	14 x	2.10 x	0.150	=	4.41 m ³
1 x	14 x	1.90 x	0.150	=	3.99 m ³
1 x	12 x	1.80 x	0.150	=	3.24 m ³
1 x	11 x	2.00 x	0.150	=	3.30 m ³
1 x	11 x	1.70 x	0.100	=	1.87 m ³
3 x	9.0 x	2.20 x	0.100	=	5.94 m ³
2 x	9.0 x	2.10 x	0.100	=	3.78 m ³
1 x	9.0 x	1.90 x	0.100	=	1.71 m ³
1 x	12 x	1.80 x	0.100	=	2.16 m ³
1 x	11 x	2.00 x	0.100	=	2.20 m ³
1 x	12 x	2.10 x	0.100	=	2.52 m ³
2 x	11 x	2.20 x	0.100	=	4.84 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1x 12x	2.40x	0.100	=		2.88m ³
1x 13x	2.20x	0.100	=		2.86m ³
1x 11x	1.80x	0.100	=		1.98m ³
1x 11x	1.90x	0.100	=		2.09m ³
1x 13x	1.70x	0.100	=		2.21m ³
2x 12x	2.10x	0.100	=		5.04m ³
1x 13x	2.20x	0.100	=		2.86m ³
1x 15x	2.40x	0.100	=		3.60m ³
1x 14x	2.10x	0.100	=		2.94m ³
1x 16x	1.70x	0.100	=		2.72m ³
1x 14x	2.20x	0.100	=		3.08m ³
1x 14x	2.10x	0.150	=		4.41m ³

529.87m³

In widening for 8' Road

$$2 \times 20 \times 30 \times 0.415 + 0.388 \times 0.2 = 96.36m^3$$

$$2 \times 30 \times 30 \times 0.388 + 0.376 \times 0.2 = 137.52m^3$$

$$2 \times 25 \times 30 \times 0.376 + 0.368 \times 0.2 = 111.60m^3$$

$$2 \times 25 \times 30 \times 0.368 + 0.372 \times 0.2 = 111m^3$$

$$2 \times 30 \times 30 \times 0.372 + 0.382 \times 0.2 = 135.72m^3$$

$$2 \times 20 \times 30 \times 0.382 + 0.378 \times 0.2 = 91.20m^3$$

$$2 \times 20 \times 30 \times 0.378 + 0.305 \times 0.2 = 81.96m^3$$

765.36m³limit — 765 m³

$$Total = 121.50 + 37.32 + 166.125 +$$

$$529.87 + 765 = 1615.82m^3$$

(33) p/l. Spreading and Compacting

Continuation

 Akr
 20/05/23
 JE

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
WBM Gr-3 etc. all Comp.					
5 x 30 x 4.55 + 3.28 x 0.075 = 47.98 m ³					
5 x 30 x 3.78 + 3.6 x 0.075 = 43.54 m ³					
10 x 30 x 3.76 + 3.45 x 0.075 = 81.11 m ³					
10 x 30 x 3.45 + 3.82 x 0.075 = 81.79 m ³					
20 x 30 x 3.82 + 3.84 x 0.075 = 172.35 m ³					
5 x 30 x 3.84 + 3.68 x 0.075 = 42.30 m ³					
5 x 30 x 3.68 + 3.77 x 0.075 = 41.74 m ³					
15 x 30 x 3.74 + 3.78 x 0.075 = 126.90 m ³					
20 x 30 x 3.78 + 3.90 x 0.075 = 172.80 m ³					
15 x 30 x 3.90 + 3.82 x 0.075 = 130.27 m ³					
5 x 30 x 3.82 + 3.58 x 0.075 = 41.62 m ³					
10 x 30 x 3.58 + 3.78 x 0.075 = 82.80 m ³					
10 x 30 x 3.78 + 3.94 x 0.075 = 86.85 m ³					
20 x 30 x 3.94 + 3.80 x 0.075 = 174.15 m ³					
5 x 30 x 3.80 + 3.96 x 0.075 = 43.65 m ³					
15 x 30 x 3.96 + 3.66 x 0.075 = 128.59 m ³					
10 x 30 x 3.66 + 3.86 x 0.075 = 84.60 m ³					
4 x 30 x 3.86 + 3.78 x 0.075 = 34.38 m ³					
1 x 23 x 3.78 + 2.25 x 0.075 = 5.20 m ³					
Area 16/06/23 5E					1622.62 m ³
limit —					1601.16 m ³
③ P/A primer Coat with bitumen emulsion etc. all Comp.					
Area vide Gr-II					
= 1601.16					= 21379 m ²
0.075					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
(35) patch work over worn using					
msc etc. all Comp.					
5x	30x4	55+8.98			= 639.75m ²
5x	30x	² 33.7+3.70			= 580.50m ²
10x	30x	² 3.76+3.95			= 1081.50
10x	30x	² 3.95+3.82			= 540.75m ²
20x	30x	² 3.82+3.84			= 1090.50m ²
5x	30x	² 3.84+3.68			= 2298m ²
5x	30x	² 3.68+3.79			= 564m ²
15x	30x	² 3.74+3.78			= 556.50m ²
20x	30x	² 3.78+3.90			= 1692m ²
15x	30x	² 3.90+3.82			= 2909m ²
5x	30x	² 3.82+3.58			= 1737m ²
10x	30x	² 3.58+3.78			= 555m ²
10x	30x	² 3.78+3.79			= 1104m ²
20x	30x	² 3.94+3.80			= 1158m ²
5x	30x	² 3.80+3.96			= 2322m ²
15x	30x	² 3.96+3.66			= 582m ²
10x	30x	² 3.66+3.86			= 1714.50m ²
4x	30x	² 3.86+3.78			= 1128m ²
1x	23x	² 3.78+2.25			= 458.40m ²
		²			= 69.34m ²
					21634.99m ²
		limit			21562.24m ²
(36) p/a tack Coat with bitumen					
emulsion etc. all Comp.					
Qty same as item No (35)					
Continuation 21562.24m ²					

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
(37) p/L Semi-dense bituminous					
Concrete etc. all Comp.					
5 x 30 x	4.55	3.38	0.025		15.39 m ³
5 x 30 x	3.38	3.76	0.025		14.51 m ³
10 x 30 x	3.76	3.45	0.025		27.03 m ³
10 x 30 x	3.45	3.82	0.025		27.26 m ³
20 x 30 x	3.82	3.84	0.025		57.45 m ³
5 x 30 x	3.84	3.68	0.025		14.10 m ³
5 x 30 x	3.68	3.79	0.025		13.91 m ³
15 x 30 x	3.79	3.78	0.025		42.30 m ³
20 x 30 x	3.78	3.90	0.025		57.60 m ³
15 x 20 x	3.90	3.82	0.025		43.42 m ³
5 x 30 x	3.82	3.58	0.025		13.87 m ³
10 x 30 x	3.58	3.78	0.025		27.60 m ³
10 x 30 x	3.78	3.94	0.025		28.95 m ³
20 x 30 x	3.94	3.88	0.025		58.05 m ³
5 x 30 x	3.88	3.96	0.025		14.55 m ³
15 x 30 x	3.96	3.66	0.025		42.86 m ³
10 x 20 x	3.66	3.86	0.025		28.20 m ³
4 x 30 x	3.86	3.78	0.025		11.46 m ³
1 x 23 x	3.78	3.25	0.025		1.73 m ³
				540.84 m ³	
limid —				539.06 m ³	
(38) Rec mis grad sth km					
Stone				1 No.	
(39) Rec mis grade km stone — 6 Nos.					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
④① RCC m/s grade 200m					
Stone					23 NOS.
④② Direction and place identification sign etc. all Comp					
	2x	1.20x	0.80		= 1.92m ²
④③ p/s of retro-reflectorised					
600mm equilateral triangle					16 NOS.
④④ p/s of retro reflectorised					
600mm Circular					12 NOS.
④⑤ p/s of retro reflectorised					
600mm x 450mm rectangular					10 NOS.
④⑥ p/s of retro reflectorised					
900mm octagon stop board					

					6 NOS.
④⑦ RCC m/s grade boundary					
pillar					48 NOS.
④⑧ p/s of hae applied					
thermoplastic Compound etc all Comp					
	2x	30x	30x	0.1	= 1.80m ²
	2x	40x	30x	0.1	= 2.40m ²
	2x	20x	30x	0.1	= 1.20m ²
	2x	30x	30x	0.1	= 1.80m ²
	2x	10x	30x	0.1	= 0.60m ²
	2x	40x	30x	0.1	= 2.40m ²
	2x	10x	30x	0.1	= 0.60m ²
	2x	9x	30x	0.1	= 0.54m ²
	2x	1x	23x	0.1	= 0.46m ²

Continuation 1138.60m²

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D.	
(48) p/c of typical information					
Sign board				3	Nos.

~~Akur~~
28/08/23
JE

(49) planting of trees and their maintenance etc. all Comp					
30% Qty of	289				87 Nos.

~~Akur~~
28/08/23
JE

~~Uthup~~
28/08/23
AE

material statement

① E/W - 1875 m³ 7572.27 m³② GSB Gr-1
Stone metal - 1438 m³Course Sand - 630.17 m³③ WBM Gr-3
Stone metal - 1937.40 m³Screening material - 384.28 m³④ Emulsion SS-1 - 18.146 m³Emulsion B-1 - 5.93 m³Bitumen 590 - 105.655 m³⑤ Stone chips - 1353 m³Filler - 114.45 m³

⑥ PCC m18

Agg - 77.34 m³Sand - 38.67 m³

Mining Chattran

⑦ PCC m20

Agg - 43.32 m³Sand - 21.60 m³of Stone materials
verified and found

~~Akur~~
28/08/23
JE

Continuation Correct

~~Akur~~
28/08/23
JE
~~Uthup~~
28/08/23
AE

Abstract of Gst 1st on A/c Bill

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Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D.	
1/1 Clearing and grubbing road land etc. all Comp					
Qty vide TMBP.				①/①	
= 1.71 Hect @ Rs 59726.13/Hect					
					Rs. 102132=00
2/2 Scarifying the existing bituminous road etc. all Comp					
Qty vide TMBP.				②/②	
= 2868.73 m ² @ Rs. 20.18/m ²					Rs. 57891=00
3/3 Construction of embankment with approved material etc. all Comp.					
Qty vide TMBP.				③/③	

= 1875 m³ @ Rs. 250.13/m³ Rs. 469106=00

4/4 Construction of Subgrade
and earthen shoulders etc. all Comp

Qty vide TMBP.

= 5697.234 m³ @ Rs. 253.56/m³

Rs. 1444591=00

5/5 Excavation for road work
in soil etc. all Comp.

Qty vide TMBP.

= 802.13 m³ @ Rs. 99.69/m³ Rs. 79964=00

6/6 Construction of GSB Gr-1
etc. all Comp.

Qty vide TMBP.

1615.82 m³ @ Rs. 2217.81/m³

Continuation Rs. 3583582=00

C/o Rs. 5737266=00

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
7/7 p/l spreading and Comp.					
acting etc. all Comp.					
Qty vide TMBP.				(17)/(33)	
= 1601.16 m ³ @ R. 3094.91/m ³					
					R. 4955446=00
8/8 p/A primer Coat with					
bitumen emulsion etc. all Comp.					
Qty vide TMBP.				(17)/(34)	
= 21349 m ² @ R. 59.03/m ²					R. 1260231=00
9/9 patch work over worn using					
MSS etc. all Comp.					
Qty vide TMBP.				(18)/(35)	
= 21562.24 m ² @ R. 24.98/m ²					
					R. 5256879=00
10/10 p/A tack Coat with					
bitumen emulsion etc. all Comp.					
Qty vide TMBP.				(19)/(36)	
= 21562.24 m ² @ R. 20.10/m ²					
					R. 433401=00
11/11 p/L Semi dense bituminous					
Concrete etc. all Comp.					
Qty vide TMBP.				(19)/(37)	
= 539.06 m ³ @ R. 12873.87/m ³					
					R. 6993007=00
12/12 RCC mis grade 5th Km					
Stone etc. all Comp.					
Qty vide TMBP.				(19)/(38)	

Continuation

C/O R. 24586225=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 No. @ Rs. 4344.95/No. —					Rs. 4344.95
13/13 RCC m/s grade km stone					
Qty vide TMBP. —				(19)/(19)	
= 6 nos. @ Rs. 2507.73/No. —					Rs. 15046.38
14/14 RCC m/s grade 200m stone					
Qty vide TMBP. —				(20)/(20)	
= 23 nos @ Rs. 721.76/No. —					Rs. 16600.38
15/15 direction and place identification sign etc. all Comp					
Qty vide TMBP. —				(20)/(41)	
= 1.92 m ² @ Rs. 14872.20/m ² —					Rs. 28557.22
16/16 p/f of retro reflectorised 600mm equilateral triangle					

Qty vide TMBP. —				(20)/(42)	
= 16 nos. @ Rs. 4314.97/No. —					Rs. 69039.52
17/17 p/f of retro reflectorised 600mm Circular signs					
Qty vide TMBP. —				(20)/(43)	
= 12 nos. @ Rs. 4215.58/No. —					Rs. 50587.20
18/18 p/f of retro reflectorised 600mm x 450mm rectangular					
Qty vide TMBP. —				(20)/(44)	
= 10 nos. @ Rs. 4070.90/No. —					Rs. 40709.00
19/19 p/f of retro reflectorised 900mm octagon stop board					
Qty vide TMBP. —				(20)/(45)	
= 6 nos. @ Rs. 8559.59/No. —					Rs. 51358.54

Continuation

C/o Rs. 24863052.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 No. @ R. 4944.95/No. — R. 4944200					
13/13 RCC mile grade km stone					
Qty vide TMBP. — (19)/(19)					
= 6 NOS. @ R. 2507.73/No. — R. 15046200					
14/14 RCC mile grade 200m stone					
Qty vide TMBP. — (20)/(40)					
= 23 NOS. @ R. 721.76/No. — R. 16600200					
15/15 direction and place identification sign etc. all Comp					
Qty vide TMBP. — (20)/(41)					
= 1.92 m ² @ R. 14875.20/m ² — R. 28557200					
16/16 p/f of retro reflectorised 600mm equilateral triangle					
Qty vide TMBP. — (20)/(42)					
= 16 NOS. @ R. 4314.97/No. — R. 69081200					
17/17 p/f of retro-reflectorised 600mm Circular Signs					
Qty vide TMBP. — (20)/(43)					
= 12 NOS. @ R. 4215.58/No. — R. 50587200					
18/18 p/f of retro-reflectorised 600mm x 450mm rectangular					
Qty vide TMBP. — (20)/(44)					
= 10 NOS. @ R. 4070.90/No. — R. 40709200					
19/19 p/f of retro-reflectorised 900mm octagon stop board					
Qty vide TMBP. — (20)/(45)					
= 6 NOS. @ R. 8559.59/No. — R. 51358200					

Continuation

C/O R. 24863052200

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
20/20 Rec m/s grade boundary pillar etc. all Comp					
Qty vide TM BP.					(20)/(46)
= 48 NOS. @ Rs. 706.28/mo.					Rs. 33900200
21/23 p/l of hot applied thermoplastic Compound etc. all Comp					
Qty vide TM BP.					(20)/(43)
= 1138.60m ² @ Rs. 823.79/m ²					Rs. 937910200
22/24 p/f of typical information sign board etc. all Comp					
Qty vide TM BP.					(21)/(48)
= 3 nos. @ Rs. 12355.33/no.					Rs. 37068200
23/25 E/W in excavation for structure etc. all Comp					
Qty vide TM BP.					(24)+(5)+(6)
= 195.32m ³ @ Rs. 314.94/m ³					Rs. 61411200
24/26 providing m/s pcc as levelling course in foundation					
Qty vide TM BP.					(3)+(5)+(6)
= 80.56m ³ @ Rs. 5824.72/m ³					Rs. 469241200
25/27 p/l RCC pipe NP.3 for culvert etc. all Comp					
Qty vide TM BP.					(5)/(22)
= 90m @ Rs. 747.11/m					Rs. 67240200
26/28 p/l RCC pipe NP.3 for culvert etc. all Comp					

Continuation
C/o Rs. 26469822200

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D.	
Qty vide TMBP. ———— ⑥/②					
= 15m @ Rs. 3038.87/m ———— Rs. 45583.01					
27/29 Brick flat Soling in foundation					
etc. all Comp					
Qty vide TMBP. ———— ⑤/⑩					
= 39.36m ³ @ Rs. 28488/m ³ ———— Rs. 11211.00					
29/30 painting two Coats including					
primer Coat etc. all Comp					
Qty vide TMBP. ———— ④/⑩					
= 29.76m ² @ Rs. 114.40/m ² ———— Rs. 3405.00					
29/31 Sand filling in foundation					
trenched etc. all Comp					
Qty vide TMBP. ———— ②+③					

= 14.79m³ @ Rs. 550.45/m³ ———— Rs. 8141.00

30/32 plain/RCC m20 in Substructure

etc. all Comp

Qty vide TMBP. ———— ③+④

= 48.14m³ @ Rs. 6698.53/m³ ———— Rs. 322472.00

31/33 plain/RCC m20 in Sub-

Structure etc. all Comp

Qty vide TMBP. ———— ⑤+⑥

= 65.61m³ @ Rs. 5925.06/m³ ———— Rs. 388743.00

32/34 providing Bitumen painting

over top Surface etc. all Comp

Qty vide TMBP. ———— ③/⑩

Continuation

C/o Rs. 27249377.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
= 15 m ² @ Rs 20.10/m ² — Rs 301.50					
33 35 P/L RCC in Superstructure					
etc. all Comp.					
Qty vide TMBP — (4/12)					
= 8.01 m ³ @ Rs 7690.00/m ³ — Rs 61602.00					
34 36 Supplying, fitting and placing					
Hysd bar etc. all Comp.					
Qty vide TMBP — (4/12)					
= 1.16 m ³ @ Rs 7693.18/m ³ — Rs 89131.00					
35 37 P/F Joint Sealing Compound					
etc. all Comp.					
Qty vide TMBP — (4/12)					
= 15 m @ Rs 45.72/m — Rs 685.80					
36 38 providing weep holes etc. all					
Comp.					
Qty vide TMBP — (4/16)					
= 40 NOS @ Rs 131.90/No — Rs 5276.00					
37 39 Dismantling of existing					
structure etc. all Comp.					
Qty vide TMBP — (6/27)					
= 2.22 m ³ @ Rs 644.44/m ³ — Rs 1431.00					
38 40 Dismantling of existing					
structure etc. all Comp.					
Qty vide TMBP — (6/28)					
= 6.72 m ³ @ Rs 939.50/m ³ — Rs 6314.00					
39 41 Removing all type of HP					

Continuation

C/O Rs 27914118=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
etc. all Comp					
Qty vide TMBP				(6)/(2)	
= 10m @ Rs. 202.04/m					Rs. 2020.40
					Rs. 27416158200
Add 11% Labour Cost					Rs. 274162200
Add 12% GST					Rs. 3289939200
Seigniorage fee					Rs. 470993200
					Rs. 31451252200
less for 15.55% below					
as per agreement					(-) Rs. 4890670200
					Rs. 26560582200
Akew					
28/08/23					
JE					

40/22 planting of trees and their maintenance etc. all Comp					
Qty vide TMBP				(2)/(19)	
= 87 nos @ Rs. 1092.53/no					Rs. 95050200
					Rs. 27511208200
Add 11% Labour Cost					Rs. 275112200
Add 12% GST					Rs. 3331345200
Seigniorage fee					Rs. 472626200
					Rs. 31560291200
less for 10.55% below					
as per agreement					(-) Rs. 3329611200
					Rs. 28230680200

~~Akew~~
28/08/23
JE

Continuation

~~Uppu~~
28/08/23
AE

~~21~~
~~AB~~
19/9/23

Sf. Rs. 28230680 = 0
 limited as per available fund
 Rs. 265,60582 = 0

Sch. XLV—Form No. 134

Particulars	Details of actual expenditure				Contents of Area
	No.	E	B.	D.	
EDSY. - Rs. 1328029 = 0					
ITSY. - Rs. 505553 = 0					
4cell 1% - Rs. 265603 = 0					
CGST 1% - Rs. 252776 = 0					
SGST 1% - Rs. 252776 = 0					
Royalty - Rs. 698462 = 0					
S.F - Rs. 472626 = 0					
Net pay Rs. 22784757 = 0					

Total Rs. 26560582 = 0

Raised for Rupees two crore
 sixty five lac sixty thousand
 five hundred eighty two
 only.

Planner
 20/09/23
 Executive Engineer
 20/09/23
 20/09/23