

डीप 3054 योजनाक्रमांत package No. MR-N/2019-20
Belband/03, शुद्धा से खापनीष्टा

Measurement Book

Schedule XLV-Form No. 134

Agreement No. 82 MBD/2020-21)

मिनिस्ट्रियल

Executive Engin
RWD Works Division
Bansar

DIVISION

SUB-DIVISION

Lalbabu Ray.

358

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 with 5 year maintenance of package					
No. MR - N/2019-20 Beland/03					
Under M/R 3054 scheme					
Name of Agency :- La Baku Ray					
Date of start :- 19.09.2020					
Date of completion :- 18.06.2021					
Agreement No :- 82 MDD/2020-21					
Date of measurement :- 16.12.2021					
① clearing and grubbing road land (by manual means)					
2x 2980.00m x 1.00m					= 5960.00m ²
					≈ 0.596 Ha
② Construction of granular sub base by providing well graded material					
1x 20.40m x 1.80m x 0.175m					= 3.276m ³
1x 14.00m x 2.10m x 0.175m					= 5.14m ³
1x 2.30m x 2.45m x 0.175m					= 0.99m ³
1x 14.75m x 2.40m x 0.175m					= 6.19m ³
					C/o 15.596m ³

B/F 15.596m²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 x 11.30m	x 1.85m	x 0.175m	=	3.66m ²	
1 x 5.45m	x 2.40m	x 0.175m	=	2.41m ²	
1 x 6.60m	x 2.60m	x 0.175m	=	3.00m ²	
5 x 1.25m	x 0.65m	x 0.175m	=	0.41m ²	
7 x 8.4m	x 1.45m	x 0.175m	=	14.92m ²	
15 x 5.75m	x 1.80m	x 0.175m	=	27.17m ²	
4 x 7.85m	x 1.60m	x 0.175m	=	8.79m ²	
3 x 10.50m	x 1.50m	x 0.175m	=	8.27m ²	
2 x 5.25m	x 2.25m	x 0.175m	=	4.13m ²	
4 x 12.30m	x 1.65m	x 0.175m	=	14.20m ²	
1 x 21.30m	x 2.40m	x 0.175m	=	8.95m ²	
1 x 4.10m	x 1.52m	x 0.175m	=	1.09m ²	
11 x 2.25m	x 1.50m	x 0.175m	=	6.50m ²	
1 x 11.90m	x 1.80m	x 0.175m	=	3.75m ²	
8 x 2.50m	x 1.75m	x 0.175m	=	8.575m ²	
15 x 1.50m	x 0.75m	x 0.175m	=	2.95m ²	
6 x 6.50m	x 1.45m	x 0.175m	=	9.90m ²	
1 x 18.40m	x 2.25m	x 0.175m	=	7.245m ²	
1 x 14.10m	x 1.35m	x 0.175m	=	3.32m ²	
1 x 10.80m	x 1.20m	x 0.175m	=	2.11m ²	
1 x 12.60m	x 2.14m	x 0.175m	=	4.72m ²	
1 x 19.00m	x 2.60m	x 0.175m	=	8.645m ²	
2 x 5.25m	x 1.70m	x 0.175m	=	4.68m ²	
1 x 9.30m	x 1.20m	x 0.175m	=	1.95m ²	
2 x 3.50m	x 1.40m	x 0.175m	=	2.57m ²	
1 x 26.00m	x 1.85m	x 0.175m	=	8.42m ²	
1 x 2.13m	x 1.60m	x 0.175m	=	0.59m ²	

C/o 188.821m²

Continuation

Cl 47.57 m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4 x 12.50 sqm				B/F	47.57m ²
4 x 12.50m x		1.80m		0.075m	= 6.75m ²
2 x 10.75m x		1.60m		0.075m	= 3.87m ²
2 x 5.50m x		2.50m		0.075m	= 2.06m ²
4 x 12.50m x		1.80m		0.075m	= 6.75m ²
1 x 21.50m x		2.50m		0.075m	= 4.03m ²
1 x 4.25m x		1.60m		0.075m	= 0.51m ²
11 x 2.50m x		1.70m		0.075m	= 3.506m ²
1 x 12.00m x		1.90m		0.075m	= 1.71m ²
8 x 3.75m x		1.90m		0.075m	= 4.275m ²
15 x 1.70m x		0.90m		0.075m	= 1.72m ²
6 x 6.70m x		1.40m		0.075m	= 4.46m ²
1 x 18.60m x		2.20m		0.075m	= 3.18m ²
2 x 14.40m x		1.50m		0.075m	= 1.62m ²
1 x 11.00m x		1.20m		0.075m	= 0.99m ²
1 x 12.80m x		2.20m		0.075m	= 2.11m ²
1 x 19.20m x		2.80m		0.075m	= 4.032m ²
2 x 5.50m x		1.85m		0.075m	= 2.29m ²
1 x 9.50m x		1.35m		0.075m	= 0.96m ²
3 x 3.75m x		1.60m		0.075m	= 1.35m ²
1 x 26.50m x		1.95m		0.075m	= 3.87m ²
1 x 2.20m x		1.75m		0.075m	= 0.29m ²
2 x 5.00m x		1.75m		0.075m	= 1.31m ²
1 x 2.90m x		1.95m		0.075m	= 0.424m ²
4 x 2.25m x		1.50m		0.075m	= 1.01m ²
2 x 4.75m x		1.60m		0.075m	= 1.28m ²
2 x 2.80m x		1.35m		0.075m	= 0.57m ²

= 64.927m²

Continuation

+ 47.57m²C/O = 112.50m²

B/F 112.50 m^2

Date of measurement:-	6.02.22
① Providing, laying, spreading and Compacting Stone aggregates	WBM Crs
1x 11.20m x 2.15m x 0.075m	= 1.806 m ³
1x 6.00m x 2.0m x 0.075m	= 0.90 m ³
1x 7.10m x 1.90m x 0.075m	= 1.01 m ³
1x 11.60m x 1.90m x 0.075m	= 1.65 m ³
1x 5.00m x 1.65m x 0.075m	= 0.62 m ³
5x 2.80m x 1.70m x 0.075m	= 1.80 m ³
2x 15.25m x 2.70m x 0.075m	= 6.18 m ³
1x 11.75m x 2.05m x 0.075m	= 1.81 m ³
1x 6.10m x 2.75m x 0.075m	= 1.26 m ³
1x 7.00m x 2.90m x 0.075m	= 1.52 m ³

с/о 18,56 м²

B/F 18.56m²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
5 x 1.50m x 1.0m x 0.075m					= 0.5625m ²
7 x 0.75m x 1.70m x 0.075m					= 7.81m ²
15 x 6.25m x 2.10m x 0.075m					= 14.76m ²
4 x 8.10m x 1.90m x 0.075m					= 4.62m ²
2 x 11.20m x 1.90m x 0.075m					= 4.79m ²
2 x 5.75m x 2.65m x 0.075m					= 2.26m ²
4 x 12.70m x 1.85m x 0.075m					= 7.05m ²
1 x 22.0m x 2.60m x 0.075m					= 4.29m ²
1 x 4.30m x 1.75m x 0.075m					= 0.56m ²
1 x 2.75m x 1.80m x 0.075m					= 0.84m ²
1 x 12.25m x 2.10m x 0.075m					= 1.93m ²
8 x 2.90m x 2.05m x 0.075m					= 4.80m ²
15 x 2.00m x 1.05m x 0.075m					= 2.36m ²
6 x 7.00m x 1.60m x 0.075m					= 5.04m ²
1 x 18.75m x 2.50m x 0.075m					= 3.51m ²
2 x 14.60m x 1.70m x 0.075m					= 1.86m ²
1 x 11.20m x 1.40m x 0.075m					= 1.18m ²
2 x 13.00m x 2.40m x 0.075m					= 2.34m ²
2 x 19.50m x 2.90m x 0.075m					= 4.24m ²
3 x 5.75m x 2.0m x 0.075m					= 2.59m ²
1 x 9.75m x 1.50m x 0.075m					= 1.097m ²
3 x 3.90m x 1.75m x 0.075m					= 1.53m ²
1 x 27.00m x 2.10m x 0.075m					= 4.25m ²
2 x 2.40m x 1.90m x 0.075m					= 0.34m ²
2 x 5.20m x 2.0m x 0.075m					= 1.56m ²
1 x 3.0m x 2.0m x 0.075m					= 0.45m ²
4 x 2.50m x 1.60m x 0.075m					= 1.20m ²

C/O 109.643m²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2x 1.90m x 1.90m x 0.075m					= 1.40m ²
2x 3.05m x 1.50m x 0.075m					= 0.69m ²
1x 8.00m x 1.75m x 0.075m					= 1.05m ²
5x 4.75m x 1.85m x 0.075m					= 3.29m ²
2x 3.0m x 1.75m x 0.075m					= 0.79m ²
4x 2.80m x 1.75m x 0.075m					= 2.00m ²
1x 16.75m x 2.40m x 0.075m					= 3.015m ²
1x 12.50m x 1.90m x 0.075m					= 1.78m ²
1x 6.95m x 2.00m x 0.075m					= 1.04m ²
1x 5.50m x 2.70m x 0.075m					= 1.11m ²
2x 10.90m x 1.75m x 0.075m					= 4.29m ²
2x 5.70m x 2.65m x 0.075m					= 2.27m ²
1x 10.20m x 1.83m x 0.075m					= 1.40m ²
1x 4.35m x 1.55m x 0.075m					= 0.506m ²
1x 6.20m x 1.70m x 0.075m					= 0.79m ²
1x 8.10m x 1.15m x 0.075m					= 0.70m ²
1x 24.0m x 1.76m x 0.075m					= 3.17m ²
1x 7.40m x 1.88m x 0.075m					= 1.04m ²
5x 6.72m x 1.80m x 0.075m					= 4.54m ²
2x 5.25m x 1.60m x 0.075m					= 1.89m ²
1x 13.20m x 1.48m x 0.075m					= 1.46m ²
1x 17.125m x 1.63m x 0.075m					= 2.10m ²
4x 2.20m x 1.70m x 0.075m					= 1.122m ²
1x 12.60m x 1.80m x 0.075m					= 1.70m ²
1x 11.62m x 1.58m x 0.075m					= 1.38m ²
1x 14.70m x 1.90m x 0.075m					= 2.09m ²
2x 5.50m x 2.35m x 0.075m					= 1.94m ²

C/O 158.20m²

Continuation

drawing —————

1x 25.20m x 13.0m x 1.60m = 524.16m³

② providing m15 ar
levelling course in
foundation —————

2x 9.76m x 3.10m x 0.20m = 12.10m³

2x 9.40m x 1.90m x 0.20m = 7.144m³

1x 2.270m x 2.820m x 0.20m = 5.12m³

24.36m³

~~High~~
16.07.22
A.E.

Sagink
10.02.22
S.E.

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Date of measurement:-				19.02.22	
① Brick masonry work in					
cm in foundation					
Complete -					
$2 \times 8.955 \text{ m} \times \left(\frac{2.90 + 2.30}{2} \right) \text{ m} \times 1.40 \text{ m}$					$= 65.19 \text{ m}^3$
$2 \times 7.50 \text{ m} \times \left(\frac{1.170 + 1.020}{2} \right) \text{ m} \times 1.40 \text{ m}$					$= 23.10 \text{ m}^3$
Extra for Semicircular portion					
$2 \times 2 \times \frac{1}{2} \times (0.37 \text{ m})^2 \times 1.40 \times \left(\frac{2.90 + 2.30}{2} \right)$					$= 2.69 \text{ m}^3$
					<u>90.98 m³</u>

				Wing Saqib
			16.07.22	19.02.22
			A.E.	J.E.
Date of measurement:-				21.02.22
① Providing Pcc ms				
Concrete for Plain				
Concrete				
Cut off wall				
$2 \times 23.95 \text{ m} \times 1.00 \text{ m} \times 0.15 \text{ m} = 7.12 \text{ m}^3$				
$2 \times 2 \times 1.20 \text{ m} \times 1.00 \text{ m} \times 0.15 \text{ m} = 0.72 \text{ m}^3$				
				<u>7.92 m³</u>
				Wing Saqib
			16.07.22	21.02.22
			A.E.	J.E.

9014.48 m^2

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Date of measurement:- 22.03.22					
① Brick masonry work					
in cement mortar in					
Substructure					
Abutment					
$2 \times 7.50 \text{ m} \times \left(\frac{1.40 \text{ m} + 0.70}{2} \right) \text{ m} \times 1.40 \text{ m}$					
					$= 22.05 \text{ m}^2$
Pier.					
$2 \times 7.50 \text{ m} \times \left(\frac{0.89 + 0.75}{2} \right) \text{ m} \times 1.40 \text{ m}$					
					$= 17.22 \text{ m}^2$
Semi Circular					
$2 \times 2 \times \frac{1}{2} \times \left(\frac{0.89 + 0.75}{2} \right) \text{ m} \times 0.37 \text{ m} \times 1.40 \text{ m}$					
					$= 0.85 \text{ m}^2$
Return wall					
$4 \times \left(\frac{1.703 + 2.400}{2} \right) \text{ m} \times \left(\frac{0.61 + 0.40}{2} \right) \text{ m}$					
					$\times 1.88 \text{ m}$
					$= 7.79 \text{ m}^2$
Sequb					
$4 \times \left(\frac{1.940 + 2.40}{2} \right) \text{ m} \times \left(\frac{1.22 + 0.40}{2} \right) \text{ m}$					
					$\times 1.88 \text{ m}$
					$= 13.22 \text{ m}^2$
					53.34 m^2
Sequb					
High					22.3.22
16.07.22					D.E.
A.E.					

Continuation

Continuation

Continuation

Continuation

Date of measurement: 12.05.22

volume of water = 3

Qty. wide TMBP (8)

Item no:- (iv) = 165.754 m^2

Area for wall m gr 2 i.e Primer coat

$$= 165.754 \text{ m}^2$$

0.075m		
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$$= 2210.05 \text{ m}^2$$

(2) providing and applying
jack coat with bitumen

emulsion

Qty. Same as primer coat	2
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$$= 2210.05 \text{ m}^2$$

③ providing, laying and rolling of dense graded premix -

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
12 x 30.0m x 3.75m					= 1350.0m ²
2 x 30.0m x 3.80m					= 228.0m ²
14 x 30.0m x 3.75m					= 1575.0m ²
4 x 30.0m x 3.75m					= 450.0m ²
5 x 30.0m x 3.75m					= 562.5m ²
1 x 30.0m x 3.80m					= 114.0m ²
10 x 30.0m x 3.75m					= 1125.0m ²
7 x 30.0m x 3.75m					= 787.5m ²
1 x 30.0m x $(\frac{4.0 + 3.75}{2})$ m					= 116.25m ²
					10617.03m ²
② Providing, laying, spreading and Sagins Semidense bitum-					
nour concrete -					
Area for SDBC					
= Area for Tack Coat					
= 10617.03 m ²					
Volume for SDBC					
= Area for SDBC x 0.025m					
= 10617.03 x 0.025m					
= 265.426m ³					
Sagins					
28.65.22					
A.E. J.E.					

ABSTRACT OF COST

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work 1- construction of road with 5 year maintenance of package					
No-MR-N/2019-20 Beland/03					
Under M/R 3054 scheme					
Agency- Lal Babu Ray					
Date of start- 19.09.2020					
Date of completion- 03.07.2021					
Agreement :- B2 MBD/2020-21					
Supplementary Agg:- B2 (S-2) MBD/2020-21					
①/① clearing and grubbing road land (by manual means)					

Qty. vide TMBP ①				
Item no:- ① = 0.596 Ha				
@ Rs 49496.70/Ha				Rs 29500.00
②/③ Construction of granular sub base by providing				
Qty. vide TMBP ③				
Item no:- ② = 192.44 m ²				
@ Rs 2264.90/m ²				Rs 424311.00
③/④ providing, laying, spreading and Compacting				
MBMR 2				
C/o Rs 453811.00				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty. vide TMS P(5)					
Item no:- (01) = 125.18m ²					
@ Rs 3999.26/m ²					Rs 500627=0
4/5 Providing, laying spreading and compacting - wmg r					
Qty. vide TMS P(6)					
Item no:- (01) = 165.754m ²					
@ Rs 3686.75/m ²					Rs 6,11,093=00
5/6 Providing and applying primer coat with bitumen emulsion (SS-1)					
Qty. vide TMS P(6)					
Item no:- (01) = 2210.05m ²					
@ Rs 41.14/m ²					Rs 90921=00
6/7 Providing and applying tack coat with bitumen emulsion					
Qty. vide TMS P(6)					
Item no:- (02) = 2210.05m ²					
@ Rs 13.95/m ²					Rs 30830=00
7/8 Providing, laying and rolling of close graded premix Surfacing					
					C/O Rs 16,87,282=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty. vide Tmep (17)					
Item no:- (3) = 2210.05 m ²					
@ Rs 206.07 / m ²					Rs 4,59,845=00
(8)/(9) providing and applying jack coat with bitumen emulsion					
Qty. vide Tmep (18)					
Item no:- (01) = 10617.03 m ²					
@ Rs 11.70 / m ²					Rs 1,24,219=00
(9)/(10) providing and laying Semi dense bituminous Concrete					
Qty. vide Tmep (18)					
Item no:- (2) = 265.426 m ²					
@ Rs 10415.97 / m ²					Rs 27,64,669=00
(10)/(27) Earthwork in excavation for structures as per drawing					
Qty. vide Tmep (18)					
Item no:- (01) = 524.16 m ³					
Limit Qty. = 335.52 m ³					
@ Rs 260.59 / m ³					Rs 87,433=00
(11)/(28) sand filling in foundation trenches					

C/o Rs 51,23,448=00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty. vide TMBP (10)					
Item no:- (01) = 23.10 m ²					
@ Rs 397.32/m ²					Rs 9,178 = 00
(12) / (29) Providing P.C.C.					
M.S Concrete for					
Plain Concrete					
Qty. vide TMBP (8)					
Item no:- (2) = 24.36 m ²					
Qty. vide TMBP (9)					
Item no:- (01) = 7.92 m ²					
Qty. vide TMBP (11)					
Item no:- (2) = 23.10 m ²					
					55.38 m ²
@ Rs 6079.23/m ²					Rs 3,36,667 = 00
(13) / (30) Brick masonry					
in C.M (1:4) in					
Foundation complete					
Qty. vide TMBP (9)					
Item no:- (01) = 90.98 m ²					
Qty. vide TMBP (10)					
Item no:- (01) = 59.04 m ²					
					150.02 m ²
@ Rs 5602.38/m ²					Rs 8,40,469 = 00
(14) / (31) Brick masonry					
work in C.M in					
Sub Structure					

C/o Rs 63,09,762 = 00

Continuation

Particulars	Details of actual measurement				Contents of area
	No	L.	B.	D.	
Qty. vide TMBP (11)					
Item no: (61) =					72.29m ²
Qty. vide TMBP (12)					
Item no: (61) =					53.34m ²
					125.73m ²
Limit Qty. =					107.45m ²
@ Rs 5857.20/m ²					Rs 6,27,217=00
5) (32) Plain/reinforced Cement concrete in Substructure					
Qty. vide TMBP (14)					
Item no: (61) =					6.40m ²
Qty. vide TMBP (15)					
Item no: (61) =					0.96m ²
					7.36m ²
@ Rs 6936.38/m ²					Rs 51,051=00
(16) (34) Providing and laying R.C.C in Super Structure					
Qty. vide TMBP (15)					
Item no: (2) =					55.58m ²
@ Rs 7603.12/m ²					Rs 4,22,581=00
(17) (37) Plastering with C.M on brick work in Substructure					
Qty. vide TMBP (15)					
Item no: (2) =					140.56m ²
Limit Qty. =					107.71m ²

Continuation

C/o Rs 74,10,611=00

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
@ Rs 18/1.19/m ²				Rs 19516-00
(18)/(35) supplying, lifting and placing HYSD bar reinforcement in Superstructure				
Qty. vide TMBP (13)				
Item no. - (61) = 492.084kg				
Qty. vide TMBP (14)				
Item no. - (61) = 7209.665kg				
			7701.75kg	
Say 7.70mt				
@ Rs 54268.10/mt				Rs 417864-00
(19)/(24) Brick masonry				
work in cement mortar 1:3 in parapet				
Qty. vide TMBP (15)				
Item no. - (3) = 8.616m ³				
@ Rs 5817.27/m ³				Rs 50121-00
(20)/(25) Plastering with cement mortar on brickwork				
Qty. vide TMBP (16)				
Item no. - (4) = 58.40m ²				
@ Rs 18/1.19/m ²				Rs 10581-00
				Rs 79,08,693-00
Less 0.69% as per agg. (C)				Rs 54570-00
				C/o Rs 78,54,123-00

Continuation

material statement

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
26.5mm - 9.5mm = 67.354m ²					
@ Rs 550.85/m ²					Rs 37102.00
9.5mm - 2.36mm = 48.11m ²					
@ Rs 411.93/m ²					Rs 19789.00
Local Sand = 46.976m ²					
@ Rs 116.85/m ²					Rs 8995.00
63mm - 45mm = 151.88m ²					
@ Rs 427.69/m ²					Rs 64958.00
Stone Screening = 33.38m ²					
@ Rs 345.52/m ²					Rs 11533.00
Binding material = 10.0m ²					
@ Rs 131.28/m ²					Rs 1313.00
53mm - 22.4mm = 201.11m ²					
@ Rs 458.22/m ²					Rs 92153.00
Stone Screening = 39.78m ²					
@ Rs 345.52/m ²					Rs 13745.00
Prime Coat = 1.878MT					
Tack Coat = 2.00MT					
Bitumen (5-90) = 34.81MT					
Stone Crushed agg. = 59.67m ²					
@ Rs 470.04/m ²					Rs 28047.00
9.5mm - 4.75mm = 151.29m ²					
@ Rs 528.94/m ²					Rs 80023.00
4.75mm and below = 108.82m ²					
@ Rs 200.45/m ²					Rs 21813.00
Filler = 11.73m ²					
@ Rs 355.38/m ²					Rs 41705.00

C/O 4,21,276.00

Continuation

DIF: 4.21.1760

Continuation

Final Bill

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work:- Construction of road with 5 year maintenance of Package					
No. MR-N/2019-20 Beland/03					
Under m/p 3054 Scheme					
Name of Agency:- Lal. Babu Ray					
Date of Start:- 19.09.2020					
Date of Completion:- 18.06.2021					
Agreement No:- 82MBD/2020-21					
Supplementary Agg. no:- 82(S-1)MBD/2020-21					
Record measurement					
Date of measurement:- 5.09.22					
① Providing, laying, Spreading and Compacting Stone aggregates - - w.B.M.G.R.S					
$1 \times 30.0m \times (3.90 + 3.80)m = 115.50m^2$					
$1 \times 20.0m \times (4.2^2 + 3.95)m = 119.25m^2$					
$1 \times 20.0m \times (3.53 + 4.20)m = 159.50m^2$					
$1 \times 20.0m \times (3.65 + 3.85)m = 75.0m^2$					
$1 \times 28.5m \times (4.05 + 3.75)m = 111.15m^2$					
$1 \times 21.50m \times 3.75m^2 = 60.625m^2$					
578.825m ²					
Volume for w.B.M.G.R.S					
$= 578.825m^2 \times 0.075m$					
$= 43.41m^3$					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Limit Qty. = 42.19 m ²					
(2) Construction of unreinforced plain Cement Concrete					
Volume for unreinforced plain concrete					
= Area for using 92.3 m ²					
W 0.16 m					
Logins					
= 42.19 m × 0.16 m					
= 5.18.625 m ²					
= 92.612 m ²					
Limit Qty. = 90.0 m ²					
					Logins
Date of measurements:					
(1) Construction of Subgrade and earthen shoulders with approved material					Logins
(3) Construction of embankment with approved materials obtained from excavation					
1 × 28.50 m × 5.50 m × $\left(\frac{0.45 + 0.65}{2}\right)$ m					
					= 86.21 m ³
1 × 21.50 m × 5.50 m × $\left(\frac{0.5 + 0.65}{2}\right)$ m					
					= 68.00 m ³
					154.21 m ³

Continuation

Date of measurement: - 28.10.22

① Construction of Subgrade
And earthen shoulders
with approved material

$2 \times 3 \times 20.0m \times 0.60m \times 0.45m = 48.60m^3$

$1 \times 2 \times 30.0m \times 0.70m \times 0.40m = 16.80m^3$

$1 \times 20.0m \times 0.60m \times 0.70m = 12.60m^3$

$1 \times 20.0m \times 0.60m \times 0.75m = 9.0m^3$

$1 \times 30.0m \times 0.70m \times 0.25m = 7.55m^3$

$1 \times 20.0m \times 0.70m \times 0.30m = 4.20m^3$

$10 \times 2 \times 20.0m \times 0.65m \times 0.25m = 136.50m^3$

$2 \times 5 \times 30.0m \times 0.60m \times 0.40m = 72.00m^3$

$1 \times 25.0m \times 0.60m \times 0.75m = 11.25m^3$

$1 \times 18.0m \times 0.65m \times 0.70m = 8.19m^3$

326.49m³

Continuation

C/b 326.49m²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
12 x 2 x 30.0m x (0.70 + 0.65 + 0.45) m					
				$\times (0.45 + 0.30)$	
				$= 189.0m^2$	
1 x 26.0m x 0.55m x 0.75m					$= 10.725m^2$
2 x 18.0m x 0.65m x 0.40m					$= 4.68m^2$
20 x 30.0m x (0.60 + 0.70) m x (0.30 + 0.40 + 0.45) m					
				$\times (0.40 + 0.45)$	
				$= 299.0m^2$	
1 x 16.0m x 0.50m x 0.65m					$= 5.20m^2$
2 x 18 x 30.0m x (0.60 + 0.70) m x (0.30 + 0.40 + 0.45) m					
				$\times (0.45)$	
				$= 269.10m^2$	
1 x 13.0m x 0.50m x 0.70m					$= 4.55m^2$
2 x 8 x 30.0m x (0.50 + 0.70) m x 0.45m					
					$= 1238.345m^2$
(2) Reinforced Cement concrete					
m15 grade kilometre					
Local stone					
				$= 4 nos$	
(3) 200mm Stone					
				$= 12 nos$	
(4) Providing and fixing of retro reflectorised					
Cautionary, -					
				$= 4 nos$	
(5) 600mm circular					
				$= 8 nos$	

Continuation

Saguis
9.2012
Jr

ABSTRACT OF COST

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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 (By manual means)					
Qty. vide TMBP (19)					
Item no:- (61) = 0.596 Ha					
@ Rs 49496.70/Ha					Rs 29500 = 00
2) construction of sub-grade and earthen shoulders					
Qty. vide TMBP (32)					
Item no:- (1) = 1238.345 m ³					
@ Rs 176.75/m ³					Rs 218877 = 00
3) (3) construction of granular sub base by providing					
Qty. vide TMBP (19)					
Item no:- (2) = 192.44 m ³					
@ Rs 2204.90/m ³					Rs 424311 = 00
4) (4) P/L, Spreading and Compacting mbr grs					
Qty. vide TMBP (20)					
Item no:- (3) = 125.18 m ³					
@ Rs 3399.26/m ³					Rs 500627 = 00
5) (5) providing laying Spreading and Compacting - - mbr grs					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty. vide TMBP (20)					
Item no: (4) = 165.454 m ²					
@ Rs 3685.45/m ²					Rs 611093 = 00
(6)/(16) providing and applying primer coat with bitumen emulsion (SS-1)					
Qty. vide TMBP (20)					
Item no: (5) = 2210.05 m ²					
@ Rs 41.44/m ²					Rs 90921 = 00
(7)/(7) providing and applying tack coat with bitumen emulsion					
Qty. vide TMBP (20)					
Item no: (6) = 2210.05 m ²					
@ Rs 15.95/m ²					Rs 30630 = 00
(8)/(8) p/L and rolling of close graded premix					
Qty. vide TMBP (21)					
Item no: (7) = 2210.05 m ²					
@ Rs 208.07/m ²					Rs 459845 = 00
(9)/(9) providing and applying tack coat with bitumen emulsion					
Qty. vide TMBP (21)					
Item no: (8) = 10617.03 m ²					
@ Rs 11.70/m ²					Rs 124219 = 00
					Rs 2490223 = 00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(10)/(10) providing and laying Semi dense bituminous Concrete					
Qty. vide TMBP (21)					
Item no:- (1) = 265.426 m ²					
@ Rs 10415.97/m ²					Rs 2764669=00
(11)/(11) Providing, laying, spreading and compacting stone aggregates — w.b.m.s					
Qty. vide TMBP (30)					
Item no:- (61) = 42.19 m ²					
@ Rs 3686.75/m ²					Rs 155543=00
(12)/(12) Construction of un- reinforced plain cement concrete					
Qty. vide TMBP (20)					
Item no:- (2) = 90.00 m ²					
@ Rs 7625.96/m ²					Rs 686336=00
(13)/(13) Reinforced cement concrete m15 grade kilometre local stone					
Qty. vide TMBP (32)					
Item no:- (2) = 4 nos.					
@ Rs 2406.20/no.					Rs 9624=00
(14)/(14) 200mm Stone					
Qty. vide TMBP (32)					
Item no:- (3) = 12 nos.					
@ Rs 649.34/no.					Rs 7792=00

61,14,187:00

B/F: -61,14,187=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(15)/(16) providing and fixing of retro reflectorised Cautionary, mandatory Qty. vide TMBP (32)					
Item no: - (4) = 4 nos.					
@ Rs 3711.60/no.					Rs 148464 = 00
(16)/(17) 600 Circular Qty. vide TMBP (32)					
Item no: - (5) = 8 nos.					
@ Rs 3810.95/no.					Rs 30487 = 00
(17)/(18) 600mm x 450mm rectangular Qty. vide TMBP (33)					
Item no: - (6) = 13 nos.					
@ Rs 3681.83/no.					Rs 47863 = 00
(18)/(19) Reinforced Cement concrete M15 grade boundary pillars Qty. vide TMBP (33)					
Item no: - (7) = 84 nos.					
@ Rs 513.42/no.					Rs 43126 = 00
(19)/(20) Planting of trees by the road side Qty. vide TMBP (33)					
Item no: - (8) = 127 nos.					
@ Rs 800.30/no.					Rs 101638 = 00
					Rs 77629 = 00
					Rs 101638 = 00

C/F: -64,85,765=00

Continuation

B/F: 64, 85, 765 = 0

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(20)/(22) Providing and laying of hot applied thermoplastic					
Qty. vide Tmsf (33)					
Item no: (9) = 566.0 m ²					
@ Rs 35.40/m ²					Rs 20022.60
(21)/(23) Providing and fixing of typical masonry infomatory sign					
Qty. vide Tmsf (33)					
Item no: (10) = 4 nos.					
@ Rs 9451.53/no.					Rs 37806.12
(22)/(24) Brick masonry					
work in cement mortar 1:3					
Qty. vide Tmsf (24)					
Item no: (11) = 8.616 m ²					
Qty. vide Tmsf					
Item no: Sagub					
@ Rs 5817.27/m ²					Rs 50121.00
(23)/(25) Plastering with Cement mortar on brick work					
Qty. vide Tmsf (24)					
Item no: (20) = 58.40 m ²					
Qty. vide Tmsf Sagub					
Item no: =					

Continuation

69, 89, 928 = 00

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
@ Rs 181.19/m ²					Rs 10581.90
(24)/(26) Painting two coats c/c primer coat					
Qty. vide TMBP (33)					
Item no: (11) = 146.0m ²					
Qty. vide TMBP (34)					
Item no: (12) = 267.85m ²					
Limit Qty. = 413.85m ²					
@ Rs 95.63/m ²					Rs 33600.00
(25)/(27) Earthwork in excavation for structures as per drawing					
Qty. vide TMBP (21)					
Item no: (10) = 335.52m ²					
@ Rs 260.59/m ²					Rs 87433.00
(26)/(28) Sand filling in foundation trenches					
Qty. vide TMBP (22)					
Item no: (11) = 23.10m ²					
@ Rs 397.32/m ²					Rs 9178.00
(27)/(29) Providing PCC m/s concrete for plain concrete					
Qty. vide TMBP (23)					
Item no: (12) = 55.28m ²					
@ Rs 6079.23/m ²					Rs 336667.00

Continuation

74,67,387.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(28)/(30) Brick masonry work in c.m in Sub-structure					
Qty. vide TMBP (22)					
Item no:- (13) = $150.02 m^3$					
@ Rs 5602.38/m ³					Rs 840469=0
(29)/(31) Brick masonry work in c.m in Substructure					
Qty. vide TMBP (23)					
Item no:- (14) = $107.45 m^3$					
@ Rs 5827.30/m ³					Rs 627217=0
(30)/(32) Plain reinforced cement concrete in Sub structure					
Qty. vide TMBP (23) and (34)					
Item no:- (15) = $(7.2 m^2 + 5.932 m^2) = 13.132 m^2$					
@ Rs 6936.38/m ²					Rs 51051=0 Rs 87329=0
(31)/(34) providing and laying R.C.C in Super-structure					
Qty. vide TMBP (23)					
Item no:- (16) = $55.58 m^2$					
@ Rs 7603.12/m ²					Rs 422581=0
(32)/(35) supplying, fitting and placing HYSD bar reinforcement in Super structure					

94,44,983=00

Continuation

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
Qty. vide TMBP (24)				
Item no:- (18) = 7.70 mt				
@ Rs 54268.10/mt				Rs 417864 = 00
32) (37) plastering with				
C.M. on brick				
work in substructure				
Qty. vide TMBP (23)				
Item no:- (17) = 107.71 m ²				
@ Rs 181.19/m ²				Rs 19516 = 00
34) (38) providing weepholes				
in brick masonry				
Plain / Reinforced				
Qty. vide TMBP				
Item no:- = 46 nos				
@ Rs 108.15/no.				Rs 4975 = 00
35) (39) construction of				
embankment with				
approved materials				
Qty. vide TMBP (30)				
Item no:- (3) = 154.2 m ³				
@ Rs 29.52/m ³ (29.52)				Rs 4552 = 00
36) (40) Excavation for				
road work in soil				
with hydraulic excavator				
Qty. vide TMBP (31)				
Item no:- (4) = 162.00 m ³				

98,91,890:00

Particulars	Details of actual measurement				Contents of area
	No.	L	B	A	
(a) Rs 74.10/m ²				Rs 12009 =	
				Rs 98.13607 =	
Add H. Less	(+)			Rs 98436 =	
Add 12% GST (+)				Rs 11,81,232 =	
				Rs 1,11,23,245 =	
Less 0.69% as per agg.	(-)			Rs 76751 =	
				Rs 1,10,46,524 =	
Less as per previous bill	(-)			Rs 65,02,000 =	
				Rs 45,44,524 =	
				Sagub	
				20.10.22	
				A.E	
				Sagub	
				D.E	
(37)(15) Retrofitted traffic signs					
Qty. vide RMBP (37)					
Item no:- ② = 1.92 m ²					
@ Rs 2427.80/m ²				Rs 29861 =	
				Rs 99,277 =	
Add H. Less	(+)			Rs 99277 =	
Add 12% GST (+)				Rs 11,91,330 =	
				Rs 1,12,18,362 =	
Less as per previous bill	(-)			Rs 65,02,000 =	
(-) 0.69%				Sagub 69559 =	
				Rs 47,16,362 =	
				Rs 11,88,908 =	
				Rs 1,11,40,955 =	
				Sagub	
				20.10.22	
				D.E	
Less as per previous allotment	(-)			Rs 65,02,000 =	
				Rs 46,38,955 =	
Limit as per				Rs 46,38,955 =	
allot - 46,99,570 =				Sagub	
				20.10.22	
				A.E	
				Rs P	
				20.10.22	
				D.E	

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
63mm - 45 Saquib					
53mm - 22.4mm = 51.19m ²					
@ Rs 453.22/m ²				Rs 23456 = ∞	
Stone Screening = 10.12m ²					
@ Rs 345.52/m ² .				Rs 3496 = ∞	
Stone Chips = 81.0m ²					
@ Rs 528.14/m ²				Rs 42779 = ∞	
Coarse Sand = 40.50m ²					
@ Rs 150.80/m ²				Rs 6107 = ∞	
Earth = 1238.345m ²					
@ Rs 23.78/m ²				Rs 29447 = ∞	
				Rs 105285 = ∞	
Signed _____					
Date: 10-12-2016					
Signature _____					
Name: Saquib					

20.10.22 Saqib

A.E. 20.10.22

54

Allotment received vide Ltr No
 35WE dt 13.10.2022 of RJ
 46,22,570=00

Continuation

memo of and Final Bill Amount

45

Sch. XLV-Form No. 134

Grand Bill Value ₹ 46,22,570/-

Particulars	Details of actual measurement				Contents of area
	No.	L.	3.	D.	
① S.D. @ 8% —			3,69,806	00	
② J.T. @ 1% —			46,226	00	
③ LAST @ 1% —			46,226	00	
④ SAST @ 1% —			46,226	00	
⑤ L.C. @ 1% —			46,226	00	
⑥ Royalty —			64,035	00	
⑦ S.F. @ 10% —			16,932	00	
⑧ Time Est. @ 10% —			4,62,257	00	
Total Deduct :-			10,97,934	00	
By CFMS amt :-			35,24,636	00	
Total Bill Amt :-			46,22,570	00	

passed for ₹ 46,22,570/- (RS Forty

Six Lakhs Twenty two thousand Five

Hundred Seventy only)

Ratnak
15.11.22

15/11/22

Executive Engineer

R. W. D. Works Division

Belsand

15/11/22