

$\frac{11923}{11923}$
 $\frac{11923}{11923}$
 $\frac{11923}{11923}$
 $\frac{11923}{11923}$
 $\frac{11923}{11923}$

Shedule XLV Form No. 134.

EXECUTIVE ENGINEER

TALIGANT

DIVISION

NEURONAL TYPING

SUB-DIVISION

19.5.20-659

Measurement Book

NAME OF AGENCY → S.B. ENGINE CON
NAME OF P.E. → ANAND NATH GUPTA

1st 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 - Repair & five year					
Maintenance of road from					
Naubattur Sadisapur Path					
to Charra under new					
maintenance policy 2018.					
Agency - S.B. Engicon Pvt Ltd.					
Agreement No. - MBD/New Maint.					
Policy - 2018 / MR-3054 / 2021-22 2012-23					
Date of commencement - 25-01-2022					
Date of completion - 24-10-2022					
① Providing & fixing of typical					
MMGSY informatory sign board					
with logo -					
Logo of maintenance -					1 No
maintenance board -					1 No
					2 Nos.
② Clearing & Grubbing road					
land -					
$2 \times 3 \times 30 \times \frac{1.15 + 1.00}{2}$					= 193.50 m ²
$2 \times 6 \times 30 \times \frac{1.00 + 1.05}{2}$					= 369.00 m ²
$2 \times 5 \times 30 \times \frac{1.05 + 0.90}{2}$					= 292.50 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2x 6x30x		0.70 + 0.75			297.00 m ² 1152.00 m ²
1 No x 2.00 m x 1.50 m RCC Slab Culvert.					0.12 hect
(3) Dismantling of existing structures like culverts.					
Slab - 1x3.800x6.00x0.30					6.84 m ³
Cap & Dirt wall.					
2x 6.00x0.70x0.20					1.680 m ³
2x 6.00x0.30x0.30					1.080 m ³
					9.600 m ³
(4) Dismantling of existing structures, like culverts					
Abutment					
2x 6.00x10.250x2.50					37.50 m ³
(5) Earthwork in excavation for structures as per drawing					
Abutment - 2x9.10x2.133x1.6					62.113 m ³
R/W - 4x1.767x1.930x1.60					21.826 m ³
Floor under deck Slab.					
1x7.700x0.40x2.50					0.770 m ³
10% for slope					8.471 m ³
					93.180 m ³
(6) Sand filling in foundation trenches as per drawing					
Floor under Deck Slab.					
1x7.700x1.629x0.10					1.254 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑦ Providing pcc M15 (1:2:5.5) concrete for plain concrete in open foundation -					
<u>Abutment</u>					
2x 9.10 x 2.133 x 0.20					7.764 m ³
<u>Return wall</u>					
4x 1.767 x 1.930 x 0.20					2.728 m ³
<u>Floor under Deck Slab.</u>					
1x 7.700 x 1.736 x 0.100					2.005 m ³
					12.497 m ³
⑧ Providing concrete for plain/ reinforced concrete in open foundation pcc M20 Below Ground level.					
<u>Abutment -</u>					
2x 8.300 x 1.633 x 1.40					37.951 m ³
<u>Return wall</u>					
4x 1.767 x 1.430 x 1.40					14.15 m ³
					52.101 m ³
⑨ Plain/ reinforced cement concrete in substructure - pcc M20 Above Ground level.					
<u>Abutment</u>					
2x 7.50 x 0.917 x 1.30					17.872 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Return wall</u>					
4x 1.784 x D. 665 x 1.570 -					8.387 m ³
					26.261 m ³
(10) Plain / reinforced cement concrete (M20) in substructure					
<u>Abutment Cap -</u>					
2x 7.50 x 0.700 x 0.240 -					2.100 m ³
<u>Dist wall</u>					
2x 7.50 x 0.40 x 0.24 -					1.440 m ³
<u>Return wall coping</u>					
4x 2.20 x 0.40 x D. 15 -					0.528 m ³
					4.068 m ³
(11) Providing Bitumen painting over top surface of Abutment Cap & Inner Vertical surface.					
<u>Abutment Cap</u>					
2x 7.50 x 0.700 -					10.50 m ²
<u>Dist wall</u>					
2x 7.50 x 0.24 -					3.60 m ²
					14.10 m ²
(12) Supplying, fitting and placing HYSD bar reinforcement in super-structure -					
<u>Slab.</u>					
12 mm bar (Bottom main bar)					
71 x 2.536 x 0.89 -					160.250 kg

$8 \text{ mm d} = 92 \times 1.7 \times 0.575 = 91.521 \text{ kg}$
 Add 5% cutting & bending - 31.515 kg
 661.824 kg
 Tie - 0.662 m

Providing and Laying
reinforced cement concrete
in superstructure M25 -

(14) Providing and filling

joint sealing compound -					
2 x 7.500				-	15.00 m.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(15) PCC M20 in parapet excluding painting -					
2 x 8.00 x 0.40 x 0.60 -					3.840 m ³
(16) Painting two coats on new concrete -					
Parapet wall (sides)					
4 x 8.00 x 0.60 -					19.20 m ²
Parapet wall (Top)					
2 x 8.00 x 0.40 -					6.40 m ²
Parapet wall (ends)					
4 x 0.40 x 0.60 -					0.960 m ²
					26.560 m ²
(17) Providing Wappholes with 100 mm dia AC pipe -					
2 x 6" -					12
4 x 4" -					16
					28 Nos.
(18) Const ⁿ of granular Sub-base by providing well graded material of gr II.					
10 x 5.65 x 1.75 x 0.175 -					17.303 m ³
7 x 4.50 x 1.05 x 0.175 -					5.788 m ³
4 x 3.70 x 1.25 x 0.175 -					3.238 m ³
5 x 6.00 x 1.20 x 0.125 -					4.500 m ³
7 x 3.75 x 1.75 x 0.150 -					6.891 m ³
9 x 3.05 x 1.25 x 0.150 -					5.147 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4 x 6.50 x 1.55 x 0.125	—				5.038 m ³
6 x 4.15 x 1.20 x 0.175	—				5.229 m ³
2 x 6.50 x 1.95 x 0.150	—				3.803 m ³
3 x 4.75 x 2.00 x 0.165	—				4.703 m ³
5 x 5.15 x 1.80 x 0.175	—				8.111 m ³
2 x 2.00 x 3.00 x 0.130	—				1.560 m ³
					71.311 m ³

19 Providing, laying, spreading and compacting stone agg.

of WBM Gr. II.

10 x 5.95 x 2.00 x 0.075	—				8.925 m ³
7 x 5.00 x 1.25 x 0.075	—				3.281 m ³
4 x 3.90 x 1.50 x 0.075	—				1.755 m ³

5 x 6.15 x 1.35 x 0.075	—				3.113 m ³
7 x 4.00 x 1.95 x 0.075	—				4.095 m ³
9 x 3.50 x 1.50 x 0.075	—				3.544 m ³
4 x 6.75 x 1.75 x 0.075	—				3.544 m ³
6 x 4.35 x 1.50 x 0.075	—				2.936 m ³
2 x 6.75 x 2.15 x 0.075	—				2.178 m ³
3 x 5.00 x 2.25 x 0.075	—				2.531 m ³
5 x 5.30 x 2.00 x 0.075	—				3.975 m ³
2 x 2.15 x 3.05 x 0.075	—				0.984 m ³
7 x 5.25 x 2.25 x 0.075	—				6.202 m ³
3 x 6.00 x 2.00 x 0.075	—				2.700 m ³
					49.763 m ³

20 Providing, laying, spreading and compacting stone agg.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
8 WBM Gr III					
18 x 7.50 + 5.40 + 4.30 + 3.75	4			x 0.075	7.071 m ³
5 x 30 x 3.75 x 0.075				—	42.188 m ³
6 x 30 x 3.75 x 0.075				—	50.625 m ³
2 x 30 x 3.75 x 0.075				—	16.875 m ³
32 x 3.75 x 0.075				—	9.00 m ³
27 x 3.75 + 3.90 + 4.30 + 4.00 + 3.75	5			x 0.075	7.979 m ³
1 x 30 x 3.75 x 0.075				—	8.438 m ³
3 x 3.75 x 0.075				—	0.844 m ³
					143.02 m ³

(21) Providing and applying.

primer coat with (SS-1)					
emulsion -					
18 x 7.50 + 5.40 + 4.30 + 3.75	4				94.275 m ²
5 x 30 x 3.75				—	562.50 m ²
6 x 30 x 3.75				—	675.00 m ²
2 x 30 x 3.75				—	225.00 m ²
32 x 3.75				—	120.00 m ²
27 x 3.75 + 3.90 + 4.30 + 4.00 + 3.75	5				106.38 m ²
1 x 30 x 3.75				—	112.50 m ²
3 x 3.75 x 0.075				—	11.25 m ²
					1906.905 m ²

Geeta
30/03/22
J.E.

30/03/2022
A.E.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(22) Providing and applying tack coat with bitumen emulsion (RSI) over granular surface & cc portion.					
Emulsion over ^{granular surface} BT _A Portion.					
18 x 7.50 + 6.40 + 4.30 + 3.25	4				94.275 m ²
5 x 80 x 3.75				—	562.50 m ²
6 x 30 x 3.75				—	675.00 m ²
2 x 80 x 3.25				—	225.00 m ²
32 x 3.75				—	120.00 m ²
27 x 3.75 + 3.70 + 4.30 + 4.00 + 3.25	5				106.38 m ²
1 x 30 x 3.75				—	112.50 m ²
3 x 3.75				—	11.25 m ²
					<u>1906.90 m²</u>
Emulsion over cc Portion.					
2 x 1.00 x 0.75				—	1.500 m ²
3 x 1.50 x 1.15				—	5.175 m ²
2 x 1.15 x 1.00				—	2.300 m ²
					<u>1915.880 m²</u>
(23) Providing, laying and rolling of close graded premix surfacing material of 20 mm thickness -					
18 x 7.50 + 6.40 + 4.30 + 3.25	4				94.275 m ²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
5 x 30 x 3.75					562.50 m ²
6 x 30 x 3.75					675.00 m ²
2 x 30 x 3.75					225.00 m ²
32 x 3.75					120.00 m ²
27 x $\frac{3.75 + 3.90 + 4.30 + 4.0 + 3.75}{4}$					106.38 m ²
1 x 30 x 3.75					112.50 m ²
3 x 3.75					11.25 m ²
2 x 1.00 x 0.75					1.500 m ²
3 x 1.50 x 1.15					5.175 m ²
2 x 1.15 x 1.00					2.300 m ²
					1915.880 m ²

(24) Providing and applying.

Jack coat with Bitumen

emulsion (RS1) over bituminous surface.

18 x $\frac{7.50 + 5.40 + 4.30 + 3.75}{4}$ - 94.275 m²

13 x 30 x 3.75 - 1462.50 m²

32 x 3.75 - 120.00 m²

27 x $\frac{3.75 + 3.90 + 4.30 + 4.0 + 3.75}{5}$ - 106.38 m²

4 x 30 x 3.75 - 450.00 m²

13 x ~~30~~ x 3.05 - 1189.50 m²

3422.655 m²

2272.810 m²

AE limit 2272.5 m²

(25) Providing and laying

SDBC with 100-120 TPH

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
18x	7.50+5.40+4.30+3.75				94.275 m ²
		4			
				x 0.025	2.357 m ³
13x 30x 3.75				x 0.025	36.563 m ³
					1462.50 m ²
32x 3.75				x 0.025	3.0 m ³
27x 3.75+3.70+4.30+4.0+3.75					
		5			
				x 0.025	2.660 m ³
4x 30x 3.75				x 0.025	11.250 m ³
13x 3.05x 3.025					0.991 m ³
					56.821 m ³
					Limit - 56.813 m ³

(26) Constⁿ of subgrade &

earthen shoulders with

approved material -

2x3x30	1.100+1.0			x 0.30	56.70 m ³
	2				
2x2x30x	1.00+0.95			x 0.28	32.76 m ³
	2				
2x4x30x	0.95+1.15			x 0.29	73.08 m ³
	2				
2x5x30x	1.15+0.80			x 0.30	87.75 m ³
	2				
2x3x30x	0.75+0.80			x 0.30	41.85 m ³
	2				292.14 m ³

(27) Reinforced cement concrete

M15 grade kilometer local stone

(i) 1cm stone		2 NOS.
(ii) 200 m stone		3 NOS.

(28) Providing & fixing of retro reflectorized caution

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Any mandatory & informative sign -					
(i) 600 mm equilateral Δ -	4 Nos.				
(ii) 600 mm circular -	2 Nos.				
(iii) 600 mm x 400 mm $\square$ -	2 Nos.				
(29) Providing and laying hot applied thermoplastic compound 2.5 mm thick -					
2 x 3 x 30 x 0.140					18.00 m ²
2 x 5 x 30 x 0.140					30.00 m ²
2 x 4 x 30 x 0.140					24.00 m ²
2 x 6 x 30 x 0.140					36.00 m ²
2 x 2 x 30 x 0.140					12.00 m ²
					120.00 m ²
(30) Brick masonry work in cement mortar 1:3 in parapet -					
2 x 5.00 x 0.60 x 0.50					3.00 m ³
(31) Plastering with C.M (1:4) 15 mm thick on brick work					
Parapet - 4 x 5.00 x 0.60					12.00 m ²
Top - 2 x 5.00 x 0.50					5.00 m ²
End side - 4 x 0.60 x 0.50					1.20 m ²
Abutment - 2 x 9.00 x 3.00					54.00 m ²
					72.20 m ²
(32) Painting two coats including primer coat					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
after filling the surface -					
Parapet - $4 \times 5.00 \times 0.60$					12.00 m^2
Top - $2 \times 5.00 \times 0.50$					5.00 m^2
End site - $4 \times 0.60 \times 0.50$					1.20 m^2
Abutment - $2 \times 9.00 \times 3.00$					54.00 m^2
					72.20 m^2

geepa
25/04/2022
J.E.

25/04/2022
A.E.

Abstract of Cost -

- ① Providing & fixing of typical MCGS information sign board with Logo.

2 NOS. Qty vide TMBP ① item ①

@ Rs. 9457.22/No — Rs 18914.44

- ② Cleaning & Grabbing road
Land -

0.12 hect. Qty vide TMBP ②

item ② @ Rs. 53907.68/hect. — Rs. 6469.00

- ③ Dismantling of existing structures -

9.60 m³ Qty vide TMBP ③

item ③ @ Rs. 428.26/m³ — Rs 4111.00

- ④ Dismantling of existing structures -

37.50 m³ Qty vide TMBP ④

item ④ @ Rs. 243.67/m³ — Rs 9139.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
²⁴ 5 Earthwork in excavation for structures as per drawing 93.180 m ³ qty vide TMBP (2) item (5) @ Rs. 310.73/m ³ — Rs. 28,954.20					
³⁴ 6 Sand filling in foundations trenches — 1.254 m ³ qty vide TMBP (2) item (6) @ Rs. 524.78/m ³ — Rs. 658.00					
²⁵ 7 Providing PCC M15 (1:2:5.5) concrete for plain concrete — 12.497 m ³ qty vide TMBP (3) item (7) @ Rs. 5155.00/m ³ — Rs. 64422.00					
²⁶ 8 Providing concrete for plain reinforced concrete PCC M20 52.101 m ³ qty vide TMBP (3) item (8) @ Rs. 5606.40/m ³ — Rs. 292099.00					
²⁷ 9 Plain/reinforced cement concrete PCC M20. 26.261 m ³ qty vide TMBP (9) item (9) 4.068 m ³ qty vide TMBP (4) item (10) 3.840 m ³ qty vide TMBP (6) item (15) 34.169 m ³ @ Rs. 5822.5/m ³ — Rs. 198951.00					
³² 10 Providing Bitumen painting over top surface of Abutment cap & Inner vertical surface — 14.10 m ² qty vide TMBP (9) item (11) @ Rs. 16.20/m ² — Rs. 228.00					

6,23,945.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
11 24 Supplying, fitting and placing HYSD bar reinforcement in super-structure - 0.662 MT Qty vide TMBP (4-5) item (12) @ Rs. 68303.70 / MT - Rs. 45217 = 20					
12 28 RCC M25 in Deck slab Providing and laying reinforced cement concrete - 4.608 m ³ Qty vide TMBP (5) item (13) @ Rs. 6850.03 / m ³ - Rs. 31565 = 20					
13 33 Providing and filling joint sealing compound - 15.00 m Qty vide TMBP (5) item (14) @ Rs. 42.82 / m - Rs. 642 = 20					
14 16 Painting two coats on new concrete - 26.560 m ² Qty vide TMBP (6) item (16) 72.200 m ² Qty vide TMBP (12-13) item (32) 98.760 m ² @ Rs. 101.29 / m ² - 10003 = 20					
15 30 Providing weepholes with 100 mm dia A/c pipe - 28 Nos. Qty vide TMBP (6) item (17) @ Rs. 117.23 / No - Rs. 3282 = 20					
16 3 Const of granular sub-base by providing well graded material of gr II. 71.311 m ³ Qty vide TMBP (6-7) item (14) 71.280 m ³ -					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(18) @ Rs. 2163.61/m ³ — Rs. 154222=					
(17) Providing, laying, spreading and compacting stone egg of WBM Gr II.					
49.763 m ³ qty vide TMBP (1) item (14)					
48.410 m ³ @ Rs. 3999.60/m ³ — Rs. 193621=					
(18) Providing, laying, spreading and compacting stone egg of WBM Gr III.					
143.02 m ³ qty vide TMBP (7-8) item (20) @ Rs. 3702.51/m ³ — Rs. 529540=					
(19) Providing and applying primer coat with SS-11					
1906.905 m ² qty vide TMBP (8) item (21) @ Rs. 48.12/m ² — Rs. 91760=					
(20) Providing & applying tack coat with (RS1) over granular surface.					
1915.880 m ² qty vide TMBP (9) item (22) @ Rs. 16.20/m ² — Rs. 31037=					
(21) Providing, laying & rolling of close-graded premix surfacing material of 20mm thick					
1915.880 m ² qty vide TMBP (9-10) item (23) @ Rs. 211.58/m ² — Rs. 405362=					
(22) Providing & applying tack coat with bitumen (RS1) over bituminous surface.					

Particulars	Details of actual measurement			Contents of area
	No.	L	B	
2272-810 m ² Qty vide TMRP (10) Limit 2272-810 m ² item (24) @ Rs. 13.24/m ² — Rs. 30191.20				30,202
(23) Providing and laying SDBC with 100-120 TPH 56.821 m ³ Qty vide TMRP (11) Limit 56.821 m ³ item (25) @ Rs. 11014.87/m ³ — Rs. 625892.00				
(24) Const ⁿ of Subgrade & Earthwork shoulder 292.14 m ³ Qty vide TMRP (11) item (26) @ Rs. 190.07/m ³ — Rs. 55527.20				
(25) Reinforced cement concrete MIS grade Kilometer local stone (25i) 1 Kilometer Stone — 2 Nos. 2 Nos Qty vide TMRP (11) item 27(i) @ Rs. 2224.5/No — Rs. 4443.20				
(25ii) 200 m Stone. 3 Nos. Qty vide TMRP (11) item 27(ii) @ Rs. 637.13/No — Rs. 1911.20				
(26) Providing & fixing of retro-reflectorised information, cautionary & mandatory sign. (26i) 600 mm equilateral Δ. 13 4 Nos. Qty vide TMRP (12) item 28(i) @ Rs. 3458.52/No — Rs. 13834.20				
(26ii) 600 mm circular. 14 2 Nos. Qty vide TMRP (12) item (28ii) @ Rs. 4632.76/No — Rs. 9266.20				

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Material Statement.</u>					
① F/W - 292.14 m ³ @ 34.81/m ³					10169.20
② For G.S.B.					
★ 26.5 mm to 9.5 mm - 31.86 m ³					
@ Rs. 657.85/m ³ -					20960.20
★ 9.5 to 2.36 mm - 22.80 m ³					
@ Rs. 514.58/m ³ -					11737.20
★ 2.36 mm below - 36.35 m ³					
0.5 @ Rs. 141.85/m ³ -					5156.20
③ For WBM Gr II					
★ 3 mm to 45 mm					
58.576 m ³ @ Rs. 480.64/m ³ -					28154.20
★ Stone screening -					
13.07 m ³ @ Rs. 397.73/m ³ -					5198.20
★ Binding Material					
3.87 m ³ @ Rs. 159.97/m ³ -					619.20
④ WBM Gr III					
★ 53 mm to 22.4 mm					
173.05 m ³ @ 511.44/m ³ -					88506.20
★ Stone Screening					
34.32 m ³ @ 397.73/m ³ -					13652.20
					18415.20
⑤ SSI emulsion -					1.6208 MT
⑥ RSI emulsion -					0.5747 MT
⑦ MMS					
★ Vg 10 Bitumen -					3.349 MT
★ 13.2 mm to 0.075 mm					

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
51.728 m ³ @ Rs. 523.37/m ³					27073
⑧ RSI emulsion					0.499 m ³
⑨ SABC.					
* 1/30					6.556 m ³
* 9.5 mm to 4.75 mm.					
47.33 m ³ @ Rs. 582.80/m ³					27585
* 4.75 mm below.					
34.047 m ³ @ Rs. 304.29/m ³					10360
⑩ PCC M15.					
* Cement - 3.499 ton.					
* Coarse Sand					
5.998 m ³ @ Rs. 175.80/m ³					1054
* 40 mm agg.					
5.998 m ³ @ Rs. 494.15/m ³					2964
* 20 mm agg.					
2.099 m ³ @ Rs. 604.91/m ³					1814
* 10 mm agg.					
0.999 m ³ @ Rs. 668.80/m ³					668
⑪ PCC M20.					
* Cement - 11.2761 ton.					
* Sand - 15.376 m ³ @					
175.80/m ³					2703
* 40 mm agg.					
12.30 m ³ @ Rs. 494.15/m ³					6078
* 20 mm agg.					7440
12.30 m ³ @ Rs. 604.91/m ³					6078

Continuation

271890.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
* 10 mm agg.					
6.15 m ³ @ Rs. 668-80/m ³					4113-00
(12) Sand filling.					
1.50 m ³ @ Rs. 141.85/m ³					213-00
(13) RCC M 25.					
* Cement - 1.84 ton					
* Coarse Sand -					
2.073 m ³ @ Rs. 175.80/m ³					364.20
* 20 mm agg.					
2.488 m ³ @ Rs. 604.91/m ³					1505.20
* 10 mm agg.					
1.658 m ³ @ Rs. 668-80/m ³					1109.20
					279,194.00
					26902.50
total signage fee =					26,903.20
@ 10% =					27,920.00
Defn.					
25/04/22					
J.E.					

Received Allotment from BRRDA Patna
vide Letter No. 01 22 dt 20.5.2022
Sch. XLV-Form No. 134

BF. - 33,59,748 = ∞

Rs. - 33,14,347 = ∞

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Limit Pst on a/c Bill.					
Total work done -					33,59,748 = ∞
Limit as per Allotment					33,14,347 = ∞
Bill value -					33,14,347 = ∞
Memo of payment					
① G.T. @ 2V -					56,290 = ∞
② C.GST @ 1% -					33,144 = ∞
③ S.GST @ 1% -					33,144 = ∞
④ L. Cess @ 1% -					33,144 = ∞
⑤ Roy.					11,512 = ∞
⑥ S. Fee					36,198 = ∞
⑦ SD @ 5% -					165,718 = ∞
⑧ By cheque -					29,38,197 = ∞
Total -					33,14,347 = ∞
passed for Rs. 33,14,347 = ∞					
(Rupees Thirly Three lakh fourteen Thousand Three hundred forty Seven) only.					
23/5/22 Executive Engineer Rural Works Deptt. Work Division Patna 23/5/22					

IInd and final Bill

23

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work - Repair & five year maintenance of road from Naubatpur Sadisapur Path to Charra under New Maintenance Policy 2018					
Agency - S.B. Eng'con. Pvt. Ltd.					
Agreement No. - MBD/New maintenance Policy 2018/MR-3054/2021-22					
Date of commencement - 25-01-22.					
Date of completion - 24-10-22					
1) Planting of trees by the road side (Avenue trees) in 60 m dia holes, — 30 Nos.					
Ddpr. 24/09/22 J.E.					
Abstract Of Cost.					
1/19 P/v & fixing of typical MMGSY informatory sign board with logo.					
2 Nos Qty vide TMBP ⑬					
item ① @ Rs. 9457.22/No-Rs. 18914.44					
2/1 Clearing & Grubbing road land -					
0.12 Hect. Qty vide TMBP ⑬					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
item (2) @ Rs. 53907.68/hect. Rs. 6469=00					
3/22 Dismantling of existing structure -					
9.600 m ³ Qty vide TMBP (13)					
item (3) @ Rs. 428.26/m ³ Rs. 4111=00					
4/23 Dismantling of existing structure -					
37.50 m ³ Qty vide TMBP (13)					
item (4) @ Rs. 243.69/m ³ - Rs. 9139=00					
5/24 Earthwork in excavation for structures as per drawing					
93.180 m ³ Qty vide TMBP (14)					
item (5) @ Rs. 310.73/m ³ - Rs. 28,954=00					
6/34 Sand filling in foundation trenches -					
1.254 m ³ Qty vide TMBP (14)					
item (6) @ Rs. 524.78/m ³ - Rs. 658=00					
7/25 Providing PCC M15 (1:2.5:5)					
concrete for plain cement					
12.497 m ³ Qty vide TMBP (14)					
item (7) @ Rs. 5155.40/m ³ - Rs. 64422=00					
8/26 Providing concrete for plain reinforced concrete					
PCC M20					
52.101 m ³ Qty vide TMBP (14)					
item (8) @ Rs. 5606.40/m ³ - Rs. 292099=00					
9/27 Plain/reinforced cement					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
concrete PCC M20.					
34.169 m ³ Qty vide TMBP (14)					
item (9) @ Rs. 5822.57/m ³ - Rs. 198951=					
10/32 Providing Bitumen painting over top surface of abutment- cap & inner vertical surface.					
14.100 m ² Qty vide TMBP (14)					
item (10) @ Rs. 16.20/m ² - Rs. 228200					
11/29 Supplying, fitting and placing HYSD bar reinforcement in super-structure					
0.662 MT Qty vide TMBP (15)					
item (11) @ Rs. 68303.70/MT - Rs. 45217=					
12/28 RCC M25 in Deck slab providing and laying reinforced cement concrete					
4.608 m ³ Qty vide TMBP (15)					
item (12) @ Rs. 6850.03/m ³ - Rs. 31565=					
13/33 Providing and filling joint sealing compound					
15.00 m Qty vide TMBP (5)					
item (13) @ Rs. 42.82/m - Rs. 642=					
14/16 Painting two coats on new concrete -					
98.760 m ² Qty vide TMBP (15)					
item (14) @ Rs. 101.29/m ² - Rs. 10003=					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
15/30 Providing weepholes with 100 mm dia A/c pipe 28 Nos Qty vide TMBP (5) item (15) @ Rs. 117.23/No - Rs. 3282.44					
16/3 Constn of granular sub-base by providing well graded material of Gr II. 71.280 m ³ Qty vide TMBP (15) item (16) @ Rs. 2163.61/m ³ - Rs. 154222.00					
17/4 Providing, laying, spreading and compacting stone agg. of WBM Gr II 48.410 m ³ Qty vide TMBP (16) item (17) @ Rs. 3999.60/m ³ - Rs. 193621.20					
18/5 Providing, laying, spreading and compacting stone agg. of WBM Gr. III 143.02 m ³ Qty vide TMBP (16) item (18) @ Rs. 3702.56/m ³ - Rs. 529540.20					
19/6 Providing and applying primer coat with (SS-1) 1906.905 m ² Qty vide TMBP (16) item (19) @ Rs. 48.12/m ² - Rs. 91760.20					
20/7 Providing & applying tack coat with (RS-1) over granular surface.					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1915.880 m ² Qty vide TMBP (16)					
Item (20) @ Rs. 16.20/m ² - Rs. 31037-00					
(21/9) Providing, laying & rolling of close graded premium surfacing material of 20 mm thick -					
1915.880 m ² Qty vide TMBP (16)					
item (21) @ Rs. 211.58/m ² - Rs. 405362-					
(22/8) Providing & applying tack coat with bitumen emulsion (RS-1) over bituminous surface.					
2272.50 m ² Qty vide TMBP (17)					
item (22) @ Rs. 13.29/m ² - Rs. 30202-00					
(23/10) Providing and laying SDBC with 100-120 TPH					
56.813 m ³ Qty vide TMBP (17)					
item (23) @ Rs. 11014.89/m ³ - Rs. 625789-00					
(24/2) Const ⁿ of Subgrade & Earthen shoulder					
292.14 m ³ Qty vide TMBP (17)					
item (24) @ Rs. 190.07/m ³ - Rs. 55527-00					
(25/11) Reinforced cement-concrete 1cm stone -					
2 Nos. Qty vide TMBP (17)					
item 25(i) @ Rs. 2221.52/No. 4443-00					
(26/12) 200 mm stone					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
3 Nos. Qty wide TMBP (17)					
item 25(i) @ Rs. 637.13/No. - Rs. 1911=					
28/13 600 mm equilateral Δ					
4 Nos. Qty wide TMBP (17)					
item 26(i) @ Rs. 3458.52/No. - Rs. 13834=					
28/14 600 mm Circular					
2 Nos. Qty wide TMBP (17)					
item 26(ii) @ Rs. 4632.76/No. - Rs. 9266=					
28/15 600 mm X 450 mm □					
2 Nos. Qty wide TMBP (18) item.					
26(ii) @ Rs. 4512.56/No - Rs. 9025=					
30/20 Providing & Laying hot applied thermoplastic					
compound 2.5 mm thick.					
120.00 m ² Qty wide TMBP (18)					
item (27) @ Rs. 722.32/m ² - Rs. 86678=					
					Rs. 29,56,871=
Add 12% GST (+)					3,54,825=
Add 1% L/c (+)					29,569=
Add Seigniorage fee (+)					26,908=
					Rs. 33,68,168=
Less 0.25% below as per app. (+)					8,420=
					Rs. 33,59,748=
Ded. of Previous Payment (-)					33,14,347=
					Rs. 45,401=
Defa. 24/09/22 J.E					