

3054/MR

LLP

NH-30A Se Janardan Pur

Schedule XLV-Form No. 134

E.E. R.W.D. WORKS

DIVISION
Pafna

Fatihg

SUB-DIVISION

Measurement Book

7597

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 measurements relating to each work).

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	

Name of work: - Repair and
 five year Maintenance of road
 from NH 30A to
 Jambhampur village HR 2054
 Agency - Shree Megach Ltd
 Ramkrishna Nagar
 Bt 19-26

Package No HR-N/23-24/PA14/67/

~~08/10/24~~

Agreement No - 28 H/23-24

Date of commencement -

Date of completion -

Rate approved - 0.51/1.2500

Record entry date

(1/1)

cleaning and grubbing

road side (roy. margin)
 (meters)

$$2 \times 20 \times 30.0 \times 2.0 = 2400.00$$

$$2 \times 20 \times 30.0 \times 2.0 = 2400.00$$

$$2 \times 5 \times 30.0 \times 2.0 = 600.00$$

$$2 \times 1 \times 25.0 \times 2.0 = 100.00$$

$$\text{Total} = 5500.00$$

or 0.55 Ha

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(8/2) Scarify the existing subgrade and surface					
1x 5.10 x 3.00 =					15.30 m ²
1x 6.00 x 1.80 =					10.80 m ²
1x 7.00 x 2.25 =					15.75 m ²
1x 3.5 x 3.00 =					10.50 m ²
1x 10.20 x 2.80 =					28.56 m ²
1x 2.30 x 2.00 =					4.60 m ²
Total of					84.91 m ²
Dim #					84.38 m ²

(8/3) Cost of subgrade with approved material obtained					
2x 10x 30.00 x 0.75 x 0.50 =					225 m ³
2x 10x 30.00 x 0.75 x 0.50 =					225 m ³
2x 15x 30.00 x 0.75 x 0.50 =					187.5 m ³
2x 1x 25.00 x 0.75 x 0.50 =					18.75 m ³
Total of					603.75 m ³

Done by

Record Entry Date

(1/5) Cost of G.B. by locally well graded material					

Continuation

Sof. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
1X 6.00	X	2.10	X	0.150	1.8900
1X 5.00	X	2.10	X	0.150	1.8000
1X 4.00	X	2.20	X	0.150	1.3200
1X 7.00	X	1.80	X	0.150	1.8900
1X 4.00	X	2.40	X	0.150	1.4400
1X 6.00	X	1.80	X	0.150	1.6200
1X 7.00	X	2.30	X	0.150	2.4200
1X 4.00	X	2.40	X	0.150	1.4400
1X 5.00	X	1.90	X	0.150	1.4300
1X 6.00	X	2.10	X	0.150	1.8900
1X 4.00	X	2.20	X	0.150	1.3200
1X 6.00	X	2.30	X	0.150	2.0700
1X 5.00	X	2.10	X	0.150	1.5800
1X 7.00	X	1.70	X	0.150	1.7900
1X 6.00	X	2.10	X	0.150	1.8900
1X 8.00	X	2.30	X	0.150	2.7600
1X 7.00	X	2.20	X	0.150	2.3100
1X 9.00	X	2.20	X	0.150	2.9700
1X 7.00	X	1.50	X	0.150	1.5800
1X 8.00	X	1.40	X	0.150	1.6800
1X 10.00	X	1.10	X	0.150	1.6500
1X 11.00	X	1.20	X	0.150	1.9800
1X 9.00	X	1.60	X	0.150	2.1600
1X 13.00	X	1.70	X	0.150	3.3200
1X 6.00	X	1.50	X	0.150	1.3500
1X 7.00	X	1.80	X	0.150	1.8900
1X 10.00	X	1.90	X	0.150	2.8500
1X 12.00	X	2.10	X	0.150	3.7800
1X 11.00	X	2.30	X	0.150	3.8000
Continuation					
1X 8.00	X	2.20	X	0.150	2.6400
Total					62.4800

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>for profile correction</u>					
	3.00	$\times$ 3.00	$\times$ 0.050	=	0.450
	2.00	$\times$ 1.20	$\times$ 0.050	=	0.120
	6.00	$\times$ 2.00	$\times$ 0.100	=	1.200
	10.00	$\times$ 2.60	$\times$ 0.110	=	2.600
	5.00	$\times$ 3.00	$\times$ 0.100	=	1.500
	6.00	$\times$ 1.10	$\times$ 0.050	=	0.330
<u>In Earth portion</u>					
	3	$\times$ 30.00	$\times$ 4.05	$\times$ 0.20	= 72.900
	1	$\times$ 15.00	$\times$ 4.05	$\times$ 0.200	= 12.150
	<u>Total by</u>				153.78 m ³
<u>Drone Survey</u>					

<u>Record entry part-1</u>					
<u>(1/6) Paving spreading and compaction stone aggregate work or III-1</u>					
1X	10X	30.00	3.75	0.075	84.380
1X	10X	30.00	3.75	0.075	84.380
1X	6X	30.00	3.75	0.075	50.625
1X	1X	25.00	3.75	0.075	7.031
	<u>Total by</u>				226.42 m ³

<u>(2/4) Construction of subgrade and earth shoulder -1</u>					
<u>for BT portion</u>					
2X	5X	30.00	1.00	0.30	90.000
2X	5X	30.00	1.00	0.30	90.000

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2X	5X	30.00X	1.00X	0.30 =	90.00 m ³
2X	5X	30.00X	1.00X	0.30 =	90.00 m ³
2X	6X	30.00X	1.00X	0.30 =	108.00 m ³
2X	1X	25.00X	1.00X	0.30 =	15.00 m ³
				Total of	483.00 m ³

3/ Supply and fixing

NP, 300 mm dia, 14 ft

$$3 \times 3 \times 2.50 = 22.50 H$$

4/ Pro. and fixing of 1/4" dia

NHGSy information sign

Board 3 Nos

5/ Cost of dry lean

cement

1X	10.00X	3.20X	0.10 =	3.20 m ³
1X	7.00X	3.00X	0.10 =	2.10 m ³
1X	15.00X	3.40X	0.10 =	5.10 m ³
1X	8.00X	3.10X	0.10 =	2.48 m ³
1X	6.00X	3.50X	0.10 =	2.10 m ³
1X	8.50X	3.40X	0.10 =	2.89 m ³
1X	11.00X	2.10X	0.10 =	2.31 m ³
			Total of	20.18 m ³

6/ Cost of panel cement plaster

cement plaster, 150

1X	5X	20.00	3.75	$0.125 = 70.31 \text{ m}^3$
1X	5X	30.00	3.75	$0.125 = 70.31 \text{ m}^3$
1X	3X	30.00	3.75	$0.125 = 42.19 \text{ m}^3$
1X	1X	20.00	3.75	$0.125 = 9.38 \text{ m}^3$
Total of				192.19 m ³

Continuation

Done by
13/1/24
SC

1st on a/c bill

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work: Repair of Hail of road from NH30A to Janasdaipur under HH 8054					
Agency - Shree Heggach LLP					
Ramesh Nagan, Patna					
Agreement NO - 28402/23-24					
Package NO - HR-4/23-24/PATNA/07					
Date of start -					
Date of completion -					
Date of approval -					0.51% Below

Abstract of work

(1) clearing and grubbing

road laid (by manual means)

0.55 Hect wide T.H.B.P (1)

@ 4 755 = 3.34 / Hect = 4156.5 m

(2) Scarifying the existing bituminous road surface

84.375 m² wide 1.17.0 P (2)

@ 4 20.44 / m² = 1725 m

(3) const. of embankment with approved material obtained from borrow pit

603.75 m³ wide T.H.B.P (2)

@ 4 259.19 / m³ = 156486 m

Continuation

Rs. 199.776 = 00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4/4) Const of subgrade and earth shoulder do do do					
483.10 m ³ wide T.H.B.P (5)					
@ ₹ 271.54/m ³					₹ 131154.10
(5/5) cost of B.S.D. by branching well grade material					
153.73 m ³ wide T.H.B.P (4)					
@ ₹ 3293.56/m ³					₹ 506319.10
(6/6) pro. laying and spreading and compaction W.B.4 or II					
226.42 m ³ wide T.H.B.P (4)					
@ ₹ 4660.35/m ³					₹ 1055196.10
(7/3) Supply and provide NP4 310mm dia					
22.50 m wide T.H.B.P (5)					
@ ₹ 930.08/m					₹ 20927.10
(8/25) pro. and fixing logs of Maintenance project					
3 m ³ wide T.H.B.P (5)					
@ ₹ 11064.06/m ³					₹ 33192.10
					ch/ ₹ 1946564.10

Continuation

Continuation

Abstract of cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) clearing and grubbing road (By manual means) —					
0.55 hect. road T.H.G.P (28)					
@ ₹ 75573.34/hect					41565.00
(2) Seating the existing bituminous road —					
84.375 m ³ road T.H.G.P (28)					
@ ₹ 2044/m ³					1724.00
(3) cost of subgrade with approved material					
603.75 m ³ road T.H.G.P (28)					
@ ₹ 259.19/m ³					156486.00
(4) cost of subgrade and earth shoulder					
551.40 m ³ road T.H.G.P (28)					
@ ₹ 271.54/m ³					149927.00
(5) cost of geo. by gravel well graded material					
153.75 m ³ road T.H.G.P (28)					
@ ₹ 3293.56/m ³					506319.00
(6) Pro. laying spreading and compacting in m					
230.94 m ³ road T.H.G.P (29)					
@ ₹ 4660.35/m ³					107826.00

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(7/7) Pro. and Applying primer coat (S.S.) - 1.					
3079.20 m ² with T.H.O.P (29)					
@ ₹ 59.13/m ² ₹ 182097.00					
(8/8) Pro. laying and rolling of dense graded granular carpet (H.S.S.) - 1.					
3079.20 m ² with T.H.O.P (29)					
@ ₹ 260.01/m ² ₹ 800623.00					
(9/9) Pro and Applying thick coat with bituminous emulsion (R.S.) - 1.					
6158.33 m ² with T.H.O.P (29)					
@ ₹ 20.26/m ² ₹ 124762.00					
(10/10) Pro. and laying semi dense bituminous carpet					
76.98 m ² with T.H.O.P (29)					
@ ₹ 13309.08/m ² ₹ 1024579.00					
(11/11) Cost of dry lean concrete					
23.63 m ³ with T.H.O.P (30)					
@ ₹ 4734.51/m ³ ₹ 111876.00					
(12/12) Cost of laid concrete					
272.53 m ³ with T.H.O.P (30)					
@ ₹ 8954.74/m ³ ₹ 2444043.50					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(13/13) Supply and paving NPA 300mm dia. $\rightarrow$ 22.50 R.H. well T.H.O.P. (30) @ $\text{₹ } 930.08/\text{R.H.}$ $\text{₹ } 20927.00$					
(14/14) km stone $\rightarrow$ 3NO. well T.H.O.P. (30) @ $\text{₹ } 2952.87/\text{m}$ $\text{₹ } 8859.00$					
(15/15) 200m stone $\rightarrow$ 5NO. well T.H.O.P. (38) @ $\text{₹ } 290.36/\text{m}$ $\text{₹ } 1152.00$					
(16/16) Pro. and erecting directional and floor identification $\rightarrow$					
1.92 m^2 well T.H.O.P. (30) @ $\text{₹ } 14017.54/\text{m}^2$ $\text{₹ } 26914.00$					
(17/17) 600mm equilateral and triangle $\rightarrow$ 9NO. well T.H.O.P. (30) @ $\text{₹ } 4238.89/\text{m}$ $\text{₹ } 38150.00$					
(18/18) 600mm circular $\rightarrow$ 5NO. well T.H.O.P. (31) @ $\text{₹ } 5658.43/\text{m}$ $\text{₹ } 28292.00$					
(19/19) 600mm x 450mm rectangular $\rightarrow$ 5NO. well T.H.O.P. (31) @ $\text{₹ } 5513.12/\text{m}$ $\text{₹ } 11026.00$					

Continuation

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Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
(20/21) Boundary pillar - 1				
8 NM, with T.H.O.P (31)				
@ ₹ 675.03/m				₹ 5400.00
(21/21) Painting New latky and figures of dry slab.				
1408.00 cum h/ft with T.H.O.P (31)				
@ ₹ 0.75/cum h/ft				₹ 1056.00
(28/22) Planting of trees by the road side - 1.				
40 NM, with T.H.O.P (35)				
@ ₹ 1288.76/m				₹ 51550.00
(22/23) Pro. and layer of applied thermoplastic compound				
149.20 m ² with T.H.O.P (31)				
@ ₹ 886.46/m ²				₹ 132260.00
(24/24) Pro. and layer of applied thermoplastic compound				
114.00 m ² with T.H.O.P (31)				
@ ₹ 995.36/m ²				₹ 113471.00
(25/25) Pro. and top of 4/4 internally sig. road - 1				
3 NM, with T.H.O.P (31)				
@ ₹ 11064.08/m				₹ 33192.00

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(26/28) Painter two coat on new concrete surface					
80.96 m ² wide 11.13 P (32)					
@ 137.23 / m ² =					1159.00
					7103789.00
Add (GSP + K.O) 19.1 (4)					1349716.00
Add SF 10% (4)					93886.00
					8547371.00
Deduct 0.51% below (4)					42591.00
					8503780.00
Deduction Previous					8442748.00
Payment					
Payable Amt					61032.00

Stamp

Stamp

(Full Signature of Contractor)

Overseer

dated (Dated initials of person actually making the payment)

of items 6 and 7. ** If the net amount to be paid is less than Rs. 1000 and it cannot be included

being altered suitably and the alternation attested by dated initials.

The contractor's acknowledgment should be for the gross amount paid as per item 7 (a+b+c).

The contractor's acknowledgment is given by a mark, seal or thumb impression.

last Running Account Bill.

Items (Items 3-4) (K)*