

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:—	NH 107 Se Tuli har.				
Agency:—	Sri Mukesh Kumar Singh				
Agreement No:—	16 MBD/2023-24				
Date of start:—	07/09/2024				
Date of completion:—	06/12/2024				
Rate:—	0.97% of the balance				

① Clearing and grubbing

road land by manual work.				
including uprooting wild veg.				
2x10x30.00x1.00	=	600.00m ²		
2x10x30.00x1.00	=	600.00m ²		
2x10x30.00x1.00	=	600.00m ²		
2x10x30.00x1.00	=	600.00m ²		
2x10x30.00x1.00	=	600.00m ²		
2x1x25.00x1.00	=	50.00m ²		
		3050.00m ²		
		=	0.305 Hectr	

② S/s Seaming existing

bituminous surface.				
4x2.50x1.50	=	15.00m ²		
5x1.50x1.00	=	7.50m ²		

Continuat:.

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Particulars	Details of actual measurement				Contents of area
	No.	L	B	H	
6 x 2.00 x 2.00					24.00 m ²
4 x 2.00 x 1.00					8.00 m ²
3 x 2.00 x 0.950					5.70 m ²
8 x 1.00 x 1.00					16.00 m ²
4 x 2.00 x 1.00					8.00 m ²
3 x 2.00 x 0.950					5.70 m ²
2 x 2.00 x 1.00					4.00 m ²
2 x 2.00 x 0.950					3.80 m ²
					150.00 m ²
(8)					
8/4 110 110 110 110					

Profile measurement					
9 x 2.00 x 0.950 x 0.10					1.80 m ³
2 x 2.00 x 0.650 x 0.10					0.26 m ³
6 x 2.50 x 0.950 x 0.10					1.43 m ³
3 x 1.00 x 1.10 x 0.10					0.33 m ³
8 x 1.00 x 0.950 x 0.10					0.76 m ³
7 x 6.00 x 1.00 x 0.10					4.20 m ³
					25.08 m ³
(9)					
8/4 110 110 110 110					
Profile measurement					
7 x 1.00 x 1.10 x 0.075					0.60 m ³
6 x 1.00 x 1.20 x 0.075					0.54 m ³

Continuation

24/4/19

Q. 1. Why is the following reaction called a redox reaction?

People connect under the same name

$8 \times 0.00 \times 1.35 \times 0.075 =$	7.02	3
$5 \times 2.00 \times 1.50 \times 0.075 =$	4.50	3
$8 \times 7.00 \times 0.450 \times 0.075 =$	1.89	3
$7 \times 6.50 \times 0.700 \times 0.075 =$	2.39	3
$9 \times 7.50 \times 1.050 \times 0.075 =$	5.32	3
$4 \times 9.00 \times 1.250 \times 0.075 =$	3.38	3
	24.58	3

⑥. $\frac{1}{4}$ WBM Analysis.

Profile Correction for GT Parting

$$6 \times 5.00 \times 1.150 \times 0.075 = 2.59 \text{ m}^3$$

$$2 \times 6.00 \times 1.00 \times 0.075 = 1.35 \text{ m}^3$$

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$7 \times 7.50 \times 1.550 \times 0.075 =$				6.10 m	³
$6 \times 5.50 \times 1.30 \times 0.075 =$				3.22 m	³
$5 \times 6.00 \times 1.450 \times 0.075 =$				3.26 m	³
$6 \times 5.00 \times 1.450 \times 0.075 =$				3.71 m	³
$7 \times 9.00 \times 1.40 \times 0.075 =$				6.62 m	³
$5 \times 8.50 \times 1.20 \times 0.075 =$				3.83 m	³
$2 \times 3.00 \times 1.00 \times 0.075 =$				0.45 m	³
$8 \times 9.00 \times 1.40 \times 0.075 =$				7.56 m	³
$4 \times 7.00 \times 1.20 \times 0.075 =$				2.52 m	³
$5 \times 8.00 \times 1.050 \times 0.075 =$				3.15 m	³
$9 \times 4.50 \times 1.150 \times 0.075 =$				3.49 m	³
				47.85 m	³
 3-4-25 J.R.  9/9/25 M.R.					
①. P/v Prime Cont.					
Area vide Ting. B.P. - 4				$47.85 \text{ m}^3 / 0.075$	
				$= 638.00 \text{ m}^2$	
②. P/v Tank Cont.					
Area vide Ting. B.P. - 3				$24.5 / 0.075$	
				$= 326.67 \text{ m}^2$	(A)
Area vide Ting. B.P. - 4				$= 638.00 \text{ m}^2$	(B)
Total Area				$= 964.67 \text{ m}^2$	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
③. P/V M.S.S Over patch work					
Area under T.S. 7.0.8-4-					964.67 m ²
④ P/V Cement concrete pavement					
30.00 x 3.30 x 0.160 =					18.24 m ²
30.00 x $\frac{3.80 + 3.75}{2}$ x 0.160 =					18.12 m ²
30.00 x $\frac{3.75 + 3.90}{2}$ x 0.160 =					18.36 m ²
30.00 x $\frac{3.90 + 3.75}{2}$ x 0.160 =					18.36 m ²
7 x 30.00 x 3.75 x 0.160 =					126.00 m ²
1 x 30.00 x $\frac{3.70 + 3.90}{2}$ x 0.160 =					18.36 m ²
1 x 30.00 x $\frac{3.90 + 3.75}{2}$ x 0.160 =					18.36 m ²
					252.80 m ²
⑤. P/V Tank cont:					
Ch-D-82.00 m ²					
1 x 15.00 x $\frac{7.50 + 4.20}{2}$ =					90.00 m ²
1 x 30.00 x 4.30 =					135.00 m ²
1 x 25.00 x $\frac{4.50 + 4.20}{2}$ =					110.00 m ²
1 x 12.00 x $\frac{4.30 + 3.75}{2}$ =					48.30 m ²
Ch (472-1525) m.					
30.00 x $\frac{3.80 + 3.75}{2}$ =					113.25 m ²
47 x 30.00 x 3.75 =					430.00 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$2 \times 30.00 \times 3.75$					$= 225.00 \text{ m}^2$
$1 \times 18.00 \times (3.75 + 4.60)$					$= 75.15 \text{ m}^2$
$1 \times 8.00 \times 4.60$					$= 36.80 \text{ m}^2$
$1 \times 30.00 \times (4.60 + 3.75)$					$= 125.25 \text{ m}^2$
$6 \times 22.00 \times 3.75$					$= 495.00 \text{ m}^2$
$6 \times 30.00 \times 3.75$					$= 675.00 \text{ m}^2$
$5 \times 30.00 \times 3.75$					$= 562.50 \text{ m}^2$
$1 \times 30.00 \times (3.75 + 3.60)$					$= 110.25 \text{ m}^2$
$1 \times 30.00 \times (3.60 + 3.75)$					$= 110.25 \text{ m}^2$
$4 \times 30.00 \times 3.75$					$= 450.00 \text{ m}^2$
$1 \times 30.00 \times 3.75$					$= 450.00 \text{ m}^2$
$1 \times 25.00 \times 3.75$					$= 93.75 \text{ m}^2$
					4355.50 m^2
② P/V SDBL					
Qty. of T.M.B.B. $= 6 \times 4355.50 \times 0.025$					
$= 108.89 \text{ m}^3$					
③ P/V Brick Siding on edge of C.C. pavement					
$2 \times 7 \times 30.00 \times 0.250$					$= 105.00 \text{ m}^2$
$2 \times 6 \times 30.00 \times 0.250$					$= 90.00 \text{ m}^2$
					195.00 m^2
④ P/V K.M. Stone Post - 3 Nos.					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(5) P/F 200 m stone post - 6 Nos. ✓					
(6) P/F direction & place identification band -					
2 x 1.20 x 0.800 = 1.92 m ²					
(7) P/F traffic sign board					
600 mm regular - 8 Nos. ✓					
(8) P/F traffic sign board					
600 mm circular - 4 Nos. ✓					
(9) P/F traffic sign board					
600 x 450 mm - 4 Nos. ✓					
(10) P/F Road Stint -					
5 x 4.00 = 20 Nos. ✓					
(11) P/F Boundary pillars -					
4 Nos. ✓					
(12) P/v Road marking on B.T. Surface -					
2 x 10 x 30.00 x 0.100 = 60.00 m ²					
2 x 10 x 30.00 x 0.100 = 60.00 m ²					
2 x 10 x 30.00 x 0.100 = 60.00 m ²					
2 x 7 x 30.00 x 0.100 = 42.00 m ²					
2 x 1 x 13.00 x 0.100 = 2.60 m ²					
					224.60 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(13) P/v Road surface					
C.C. Surface					
$247 \times 30.00 \times 0.100 =$					42.00 m^2
$246 \times 30.00 \times 0.100 =$					36.00 m^2
					78.00 m^2
(14) P/F Rectangular Signal					
				4 Nos.	
(15) Constn of Subgrade Elevation					
Ch. (m)	Area m	Ym Area	Dist (m)	Fill Volume m ³	
0	1.484	-	-	-	

50	1.498	-	50	74.50 m^2
100	2.34	1.491	50	95.95 m^3
150	1.958	1.919	50	107.45 m^2
200	1.671	2.149	50	90.75 m^2
250	1.63	1.815	50	82.55 m^2
300	1.557	1.651	50	79.675 m^2
350	0.404	1.594	50	49.025 m^3
400	0.642	0.981	50	26.150 m^3
450	0.372	0.523	50	25.375 m^3
500	0.356	0.508	50	18.25 m^3
550	0.532	0.365	50	72.20 m^3
600	0.587	0.444	50	27.475 m^3
650	0.79	0.530	50	33.95 m^3

Continuation
0.679 m.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Ch. (m)	Area sq. m.	Area sq. m.	Dist (m)	Y-ill Vol. m ³	
700	0.835	0.679	50	40.625 m ³	
750	0.541	0.813	50	34.40 m ³	
800	0.453	0.688	50	24.85 m ³	
850	0.743	0.497	50	29.90 m ³	
900	0.668	0.578	50	35.275 m ³	
950	1.787	0.701	50	61.225 m ³	
1000	1.445	1.225	50	80.625 m ³	
1050	0.355	1.613	50	45.85 m ³	
1100	0.327	0.900	50	17.050 m ³	
1150	0.809	0.341	50	28.40 m ³	
1200	0.742	0.568	50	26.775 m ³	
1250	0.339	0.776	50	27.025 m ³	
1300	0.374	0.541	50	17.95 m ³	
1350	0.553	0.357	50	23.175 m ³	
1400	0.389	0.464	50	23.550 m ³	
1450	0.503	0.471	50	22.30 m ³	
1500	2.969	0.442	50	36.80 m ³	
1525	1.505	1.736	50	55.925 m ³	
				1426.00 m ³	
Less for road crust.					
1) G.S.B.					
By vide Tmp. B-2				25.88 m ³	
2) WBM Boulders II					

Continuation

509. *Z. M. P. 188, 189*

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Continuation

Abstract of Cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work:-	NH 107 Se Teltan				
Agency:-	Sri Murali Kumar Singh				
Agreement No:-	16 MBD/2023-24.				
Date of start:-	07/03/2024				
Date of completion:-	06/12/2024.				
①. clearing and grubbing work					
Land by manual means.					
Area wide T.M.B. 1:-	0.305 Hect				
@ Rs 72697 = 86/Hect	Rs 221732				
②. P/V Brooming existing					
bituminous surface.					
Area wide T.M.B. 2:-	150.00m				
@ Rs 20 = 54/m	Rs 3081 =				
③. P/V C.B. Gravel - II					
Qty wide T.M.B. 2:-	25.88m ³				
@ Rs 2651 = 71/m ³	Rs 68626 =				
④. P/V WBM Gravel - II					
Qty wide T.M.B. 3:-	27.93m ³				
@ Rs 5576 = 20/m ³	Rs 155760 =				
⑤. P/V WBM Gravel - III					
Qty wide T.M.B. 3:-	24.50m ³				
@ Rs 5307 = 61/m ³	Rs 130036 =				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
⑥. P/v W.B.M. - Contingency - III					
Qty of concrete T.M.B.P. - 4 -					47.85 m ²
@ 5307 = 21/m ³					10053969 =
⑦. P/v Plaster work -					
Area of wall T.M.B.P. - 4 -					638. m ²
@ 60 = 48/m ²					30816 =
⑧. P/v Plaster work -					
Area of wall T.M.B.P. - 4 -					964.67 m ²
@ 20 = 76/m ²					200262 =
⑨. P/v M.S. on roof patch.					
Area of wall T.M.B.P. - 5 -					964.67 m ²
@ 288 = 58/m ²					278384 =
⑩. P/v Cement concrete floor -					
Qty of concrete T.M.B.P. - 5 -					252.80 m ³
@ 8139 = 44/m ³					1919280 =
⑪. P/v Plaster work -					
Area of wall T.M.B.P. - 6 -					4355.00 m ²
@ 20 = 76/m ²					90420 =
⑫. P/v S.D. B.C.					
Qty of concrete T.M.B.P. - 6 -					108.89 m ³
@ 14889 = 47/m ³					1621314 =
⑬. P/v Brick Siding on edge -					
of C.C. pavement -					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Area under T.M.B. 19500 m ²					
at 548 = 41/m ²					106940 =
(14) P/V KM Stone Post.					
Area under T.M.B. 19500 m ² - 3 Nos.					
at 2465 = 55/Mes.					8906 =
(15) P/V 200 m Stone Post.					
Area under T.M.B. 19500 m ² - 6 Nos.					
at 829 = 84/Mes.					49792
(16) P/F direction sign band.					
Identification band					
Area under T.M.B. 19500 m ² - 7					
at 15090 = 72/m ²					28974 =
(17) P/F traffic sign band.					
600 mm equivalent height.					
Area under T.M.B. 19500 m ² - 6 Nos.					
at 4635 = 78/Mes.					27815 =
(18) P/F 600 mm circulation.					
Area under T.M.B. 19500 m ² - 4 Nos.					
at 6071 = 38/Mes.					24285 =
(19) P/F 600 x 450 mm					
Area under T.M.B. 19500 m ² - 4 Nos.					
at 5924 = 33/Mes.					236972
(20) P/F Round Sign					
Area under T.M.B. 19500 m ² - 20 Nos.					
at 294 = 11/Mes.					58822

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
21. P/F Boundary pillars.					
Nos wide T.M. B. 7-4 Nos.					
@ 793 = 44 / Nos					By 3174 =
22. P/v Road marking on.					
B-T surface.					
Area wide T.M. B. 7-224.60 m					
@ 88 = 39 / m ²					By 199063 =
23. P/v Road marking on.					
C-C surface.					
Area wide T.M. B. 8-78 m					
@ 1004 = 15 / m					By 78347 =
24. P/F information sign					
mark.					
Nos wide T.M. B. 8-4 Nos.					
@ 11441 = 55 / Nos					By 45766 =
25. Construction of subgrade.					
E/shoulder. with.					
approved material.					
Qty wide T.M. B. 10-937.15 m ³					
@ 264 = 44 / m ³					By 952613 =
26. Planting of trees and					
these marks for survey.					
Nos wide T.M. B. 10-48 Nos.					
@ 1254 = 41 / Nos					By 60211 =

Continuation

Continuation