

~~MAHARAJA NEM~~

MA. B. NO. 3378

Schedule X LV-Form No. 134

प्राप्तियोग्य सुधर्मावृद्ध गतिं ज्ञेयं तद्वत् ।

पञ्चगव्यम् ।

सर्वदा श्री धर्मधामिनि

DIVISION

श्री धर्मधामिनि श्री धर्मधामिनि

SUB-DIVISION

पञ्चगव्यम्

MEASUREMENT BOOK

MA. B. NO. 3378

1st m RA/c bill

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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 - Changwa Pmury road to Phuteer khurd					
Cor Tola					
Agency - Dheeraj Kumar Mishra					
Agreement no - 32 SBD / 2020-21					
Date of start of work - 27/08/2020					
Date of completion - 26/05/2021					
Measurement					

1. Setting out pillars					
- - - do - - -					ant = 0.550 km
2. clearing and grubbing					515.21
road land - - do - -					312.10
$2 \times 22 \times 25 \times 2.0 = 2200m^2$					
$= \frac{2200 \times 1}{10000} = 0.22 \text{ Hect}$					
3. Box cutting					
Excavation for roadway					
in soil - - - do - -					34.125m ³
$2 \times 13 \times 25 \times 0.525 \times 0.10 = 34.125$					34.125
$2 \times 9 \times 25 \times 0.375 \times 0.10 = 16.875$					16.875
Total					16.875m ³
Total					51.00m

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4. const. of embankment with approved material					
— do —					
RPS ³ [2x 25x 0.8 x 0.8 =					32 m ³
— — —			limit to		30.60 m ³
5 const. of embankment with material obtained from borrow pits					
— do —					
RPS ³ [9x 30x 0.9 x 0.9 =					318.90 m ³
— — —			limit to		212.99 m ³
6 const. of subgrade and earthen shoulder					
— do —					
RPS ³ [2x 13x 25x 0.75x 0.1 =					48.75 m ³
2x 13x 25x 0.80x 0.075 =					39.0 m ³
2x 9x 25x 0.625x 0.075 =					21.09 m ³
2x 9x 25x 0.625x 0.16 =					66.09 m ³
— — —					45 m ³
— — —			Total		153.84 m ³
7 const. of granular subbase					
— do —					
RPS ³ [13x 25x 4.050x 0.10 =					131.63 m ³
2x 13x 25x 0.525x 0.10 =					34.13 m ³
2x 20x 3x 0.10 =					12.0 m ³
2x 9x 25x 0.375x 0.1 =					16.88 m ³
Continuation 5x 5x 3x 0.1 =					7.5 m ³
— — —			Total		202.14 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑧ W.B.M. - III					
Providing, laying, spreading and compacting stone aggregates - do - -					
13 X 25 X 3.75 X 0.075 =					91.40 m ³
9 X 25 X 3.75 X 0.075 =					63.28 m ³
Total					154.68 m ³
⑨ Prime coat					
Providing and applying primer coat with bitumen emulsion					
(SS-1) - - do					
13 X 25 X 3.75 X 0.075 =					1218.75 m ²
⑩ Tack coat					
Providing & applying tack coat with bitumen emulsion					
(RS-1) - - do					
13 X 25 X 3.75 =					1218.75 m ²
⑪ Providing, laying and rolling of close graded premix surface of 20mm thickness					
do					
4 X 25 X 3.50 =					350 m ²
4 X 25 X 3.65 =					365 m ²
5 X 25 X 3.70 =					462.50 m ²
Continuation					
Total					1177.50 m ²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(12) cont. of un-reinforced plain cement concrete					
— do —				0.160	3
4 x 25 x 3.75 x 0.160					60 m ³
4 x 25 x 3.80 x 0.160					60.80 m ³
1 x 25 x 3.70 x 0.160					14.80 m ³
Total					135.60 m ³
(13) Reinforced cement concrete m-15 grade					
boundary pillars					
— do —				ent =	10 No.
(14) Kilometer Stone					
(i) Km Stone —				ent =	2 No.
(ii) 200 m stone —				ent =	2 No.
(15) Providing & fixing of retro-reflective					
cautionary, mandatory					
— do —					
(i) 600mm equilateral triangle				ent =	1 No.
(ii) 600mm circular board				ent =	1 No.
(iii) 600mm x 450mm rectangular board				ent =	1 No.

Continuation

Continuation

Continuation

Abstract of cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1. Setting out pillars					
— do —					
ent = 0.550 km P-①					
item - ① @ Rs 6064.31					
					Rs 3335 =
2. Clearing and grubbing road land - do					
ent = 0.22 hect P-1					
item - ② @ Rs 51133.76					
					2 Rs 11249 =
③ Box cutting					
— do —					
ent = 51 m ³ P-①					
item - ③ @ Rs 126.24/m ³					
					2 Rs 6438 =
④ const. of embankment with approved material					
— do —					
ent = 30.60 m ³ P-②					
item - ④ @ Rs 88.36					2 Rs 2703 =
⑤ const. of embankment with material					
— do —					
ent = 212.99 m ³ P-②					
item - ⑤ @ Rs 184.30					
					Rs 39254 =

Continuation

c/o Total Rs 62979 =

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑥ const. of subgrade and earthen shoulder do					
ent = 153.84 m ² P-②					
item - ⑥ @ Rs 210.88					
				Rs	32441=
⑦ const. of granular subbase - do					
ent = 202.14 m ² P-②					
item - ⑦ @ Rs 3515.15					
				Rs	710552=
⑧ WBM gr-II					
do					
ent = 154.68 m ² P-③					
item - ⑧ @ Rs 4263.74					
				Rs	659515=
⑨ Prime coat					
do					
ent = 1218.75 m ²					
P-③ item - ⑨					
@ Rs 45.57				Rs	55538=
⑩ Tack coat					
do					
ent = 1218.75 m ²					
P-③ item - ⑩					
@ Rs 15.67				Rs	19097=

C/Total B 1540122

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11) Providing, Laying, and rolling class graded premix					
do					
ant = 1177.50 m ²	P-3				
item - (11) @ Rs 248.76					
				Rs	292915
(12) const. of unreinforced plain cement concrete					
do					
ant = 135.60 m ³	P-4				
item - (12)					
@ Rs 7844.69				Rs	1063740
(13) Reinforced cement concrete m-15 boundary pillars					
do					
ant = 10 No.	P-4				
item - (13) @ Rs 512				Rs	5120
(14) Kilometer stone					
(i) km stone					
ant = 2 No.	P-4				
item - (14) @ Rs 2278.24				Rs	4556
(ii) 200 m stone					
ant = 2 No.	P-4				
item - (ii) @ Rs 634.54				Rs	1269

Continuation

C/TOTAL Rs 2907722

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(15) Providing & fixing of retro-reflectorised cautionary, mandatory					
do					
(i) 600 mm equilateral triangle board					
ent = 1 No. P-(4)					
item - 15(i)					
@ Rs 3582.12 = Rs 3582 =					
ii) 600 mm circular board - do					
ent = 1 No. P-(4)					
item - 15(ii) @ Rs 4740.23					
= Rs 47402					
(iii) 600 mm x 450 mm rectangular board					
do					
ent = 1 No. P-(4)					
item - 15(iii) @ Rs 4643.72					
= Rs 4644 =					
(16) Direction and place identification sign board - do					
ent = 2 No. P-(5)					
item - (16) @ Rs 10438.59					
= Rs 20877 =					

Continuation

c/total Rs 2941565

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(7) Road marking with hot applied Thermoplastic compound — — — — — ent = 110 m ² P- (5) item - (17) @ Rs 735.44 = Rs 80898=					
(8) Planting of trees — — — — — ent = 25 No. P- (5) item - (18) @ Rs 822.26 = Rs 20556.25 ✓					
(9) Providing & fixing of typical information sign board - - - ent = 3 No. P- (5) item - (19) @ Rs 9416.20 = Rs 28248.60 ✓					
Total Rs 307126.75					
add GST - 12% (A)				Rs 36855.21	
add labour cost (B)				Rs 30712.67	
add Seigniorage fee (C)				Rs 32517.00	
Total Rs 350304.83					
no 0.01% below as per agreement				Rs 350.21	
Total Rs 350269.83					
with 22 RPSM 20-1-2022					

05.02.22