

Name of work:- Construction of MMGSY Road from NH104
to Sunderpur Tola in Sursand Block (Sitamarhi)

Schedule XLV-Form No. 134

Head - mmGSY (SY)

ग्रामीण कार्य विभाग कार्य प्रमंडल, पुपरी **DIVISION**

ग्रामीण कार्य विभाग कार्य अवर प्रमंडल, सुल्के **SUB-DIVISION**

MEASUREMENT BOOK

No-2380

Name of Agency:- Dilip Kumar, Dumra, Sitamarhi

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
N/WORK:-	Construction of MM GSY Road				
	from	NH	104	To	Sunder
	TOLA in SURAND Block				
Name of Agent:-	Dilip Kumar - Sitemash				
	Anghata - Dumra,				
Agreement NO/Date:-	MM GSY/64/SBD/				
	2020-21- Date 08/3/2021.				
Date of start :-	08/	03/	2021		
Date of completion:-	07/	03/	2022		
Actual Date of completion:-	05/03/2022.				
Date of Measurement:-	15.11.2021.				
(A) construction of road work:-					

1) Construction of Embankment
with material obtained from
borrow pits.

(A) Flexible Road:-

4	30.00	6.00	0.40	288.00
4	30.00	6.00	0.50	360.00
4	30.00	6.00	0.50	360.00
1	30.00	6.00	0.40	72.00
1	30.00	6.00	0.45	81.00
4	30.00	6.00	0.40	288.00
3	30.00	6.00	0.45	243.00
2	30.00	6.00	0.40	144.00
1	10.00	6.60	0.65	42.90
Total qty.:				1878.90 m ³ .
(A) Lead 1000 mt. - qty				441.54 m ³ .

(B) For Lead 1000 mt. - qty 1437.36 m³.

(2a) - Box cutting - Continuation

Excavation for road ways in soil using
manual means - for carrying of cut earth -

MM 4SY (SC)
Abstract of cost.

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>(A) Abstract cost of road construction work</u>					
<u>(A) Construction of Road work</u>					
<u>(1) Providing and fixing Working</u>					
Berch mark. pillar-					
align vide TMB-P-06.					
align 1.23 Km @ 4253.33/Km $\Rightarrow$ 5239.00					
<u>(2) Reference pillar-</u>					
align vide TMB-P-06.					
align 1.23 Km @ 1973.15/Km $\Rightarrow$ 2427.00/-					
<u>(3) Clearing and Grubbing</u>					
road land seg marked					
measr					
align vide TMB-P-06.					
align 0.86 Ha @ 49496.70/Ha $\Rightarrow$ 42567.00/-					
<u>(4) Excavation for road ways</u>					
on soil using manual mens-					
Box cutting - bulk side of B.S. side.					
align vide. TMB-P-06.					
align 11.25 m ³ .					
align 73.50 m ³ P-12.					
align 84.75 m ² @ 74.10/m ³ $\Rightarrow$ 6280.00/-					
<u>(5) Construction of Embankment</u>					
with material obtained					
from barro pits. lead 1000mt.					
align 66.15 m ³ P-06.					
align 441.54 m ³ P-11.					
Total align 507.69 m ³ @ 175.11/m ³ $\Rightarrow$ 88902.00/-					
Total Amount (Rs)					1,45,415.00/-
Continuation					
C/O					

Continuation

C/O

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Lead 100 m+					
alg 203.85 m ³ P-02					
alg 1437.36 m ³ P-11					
T. alg 1641.21 m ³ @ 138.27 m ³ ⇒					226,930.00
(6) Constructing Sub grade and					
earthen shoulder material					
obtained from borrow pits.					
(A) P Flexible road					
alg vide TMB-P-12					
alg 512.26 m ³ @ 176.75/m ³ ⇒					90,560.00
(B) C.C. road-					
alg vide TMB-P-07.					
alg 221.94 m ³ @ 176.75/m ³ ⇒					39,228.00
(07) Constructing G.S.B. G.I.					
by providing well graded.					
material spreading in					
uniform layer.					
(A) Flexible road-					
alg vide TMB-P-13					
alg 385.47 m ³ @ 2779.81/m ³ ⇒					10,71,533.00
(B) Rigid road					
alg vide TMB-P-07					
alg 161.33 m ³ @ 2779.81/m ³ ⇒					448,467.00
Total Amount (Rs)					
					20,22,133.00

B/F 20, 22, 133.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(8) Providing laying, spreading and compacting stone aggregate WBM - Gr II					
(A) Flexible road -					
aly vide TMB - P-13					
aly 200.81 m ³ @ 3381.76/m ³ ⇒					679091.00/-
(B) Rigid road					
aly vide TMB - P-07					
aly 152.04 m ³ @ 3381.76/m ³ ⇒					514,163.00/-
(9) Providing and applying -					
Primer coat of Bitumen emulsion (SS) -					
aly vide TMB - P-14					
aly 2677.25 m ² @ 41.29/m ² ⇒					1,10,544.00/-
(10) Providing and applying -					
face coat of Bitumen emulsion (RS) - P-15					
aly 2677.25 m ² @ 14.00/m ² ⇒					37,482.00/-
(11) Providing laying and					
rolling of close graded					
Premix carpet 20 mm thick					
aly vide TMB - P-15					
aly 2677.25 m ² @ 198.94/m ² ⇒					532,612.00
(12) Construction of plain					
concrete pavement					
aly vide TMB - P-07					
Total Amount (Rs)					3896025.00/-

Continuation

c/o

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
alg 324.34 m ³ @ 7818.25/m ³ ⇒					25,35,771.00
(13) Providing and fixing M15 grade concrete					
✓ K.M Stone -					
alg vide TMB-P-15					
alg 02 Nos @ 2443.81 each ⇒					4888.00/-
(ii) 200 km stone.					
alg vide TMB-P-15					
alg 05 Nos @ 647.85 each ⇒					3239.00
(14) Providing and fixing M15 grade concrete					
Boundary Pillars.					
alg vide TMB-P-15.					
alg 40.00 Nos @ 485.83 each ⇒					195 19433.00
(15) Providing and fixing retro reflective sign board.					
(i) 600mm circular speed limit					
alg vide TMB-P-16					
alg 8.00 Nos @ 4884.41 each =					39075.00
(ii) 900mm equilateral triangle					
alg vide TMB-P-16.					
alg 04 Nos @ 5531.02 each -					22124.00
(iii) 600x450mm rectangular.					
alg vide TMB-P-16					
alg 04 Nos @ 4758.95 each ⇒					19036.00
Total Amount (Rs)					65,39,591.00/-

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(16) Providing and laying of hot applied thermoplastic compound on flexible road.					
alg vide TMB-P-16.					
alg 140.00m ² @ 735.40/m ²					⇒ 102,956.00
(17) Providing and laying of hot applied thermoplastic compound on rigid road					
alg vide TMB-P-16.					
alg 106.00m ² @ 820.83/m ²					87,008.00
(17) planting of trees by the road side -					
alg vide TMB-P-16.					
alg 70.00 Nos @ 800.30 each					⇒ 56,021.00
(18) Providing and erecting direction sign board -					
alg vide TMB-P-17					
Qty 01 No @ 3247.03 each					⇒ 3247.00
(19) Providing and fixing Logo of MNGSY					
(i) information board	(10)			02	P-07.
(ii) citizen board				02	
(11) Maintenance				4 Nos	
				1 No.	P-17
Total alg -					⇒ 5 Nos

Continuation

Total Amount (Rs)

67,88,823.00/-

C/O

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty OS NM - 11060.25 each $\Rightarrow$					55301.00
(20) Providing and laying of RCC Hume Pipe 300mm dia -					
Qty vide TMB-P-17					
Qty 38.00 mt @ 877.02/mt $\Rightarrow$					33327.00
Total Amount (Rs) - (A)					68,77,451.00
(B) COST of Hume pipe 600mm Dia -					
(1) Earth work in excavation for foundation of structure Qty vide TMB-P-08					
Qty 15.66 m ³ @ 260.59/m ³ $\Rightarrow$					4081.00
(2) Providing M 15 grade of concrete in foundation Qty vide TMB-P-08					
Qty 2.85 m ³ @ 6289.36/m ³ $\Rightarrow$					17925.00
(3) Providing and laying for plain concrete in open foundation Qty vide TMB-P-08					
Qty 13.87 m ³ @ 6914.40/m ³ $\Rightarrow$					95903.00
(4) Providing and laying NP3 600 mm Dia. Qty 7.50 mt @ 1718.61/mt $\Rightarrow$					12890.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(5) Painting two coats including primer coats after filling the surface with synthetic enamel paint					
Qty vide memo P-17					
Qty 60.84 m ² @ 95.63/m ² =					5818.00/-
Total Amount (B) - (Rs)					1,36,617.00
Summary of Abstract cost of road + H.P. culvert					
(A) Cost of road constn. - P- (28)					68,77,451.00
(B) Cost of H.P. culvert P- (29) -					1,36,617.00
Total Amount (A + B) (Rs)					70,14,068.00
(a) Add @ 5% Labour chgs -				(+)	70,141.00
(b) Add @ 12% GST				(+)	8,41,688.00
Sub Total (Rs) -					79,25,897.00
Less @ 10.37% below as per Agreement -				(-)	8,21,916.00
G. Total Amount after deduction (Rs)					71,03,981.00/-
Less 1st on A/c Bill (Rs)				(-)	34,09,082.00/-
Net payable Amount (Rs) -					36,94,899.00/-
By order 05/03/2022 JE (Subsand) C. & P 12.8.22					