

Name of work: - Construction of Mungy road from Barauli check to Barauli
Buzadh Tola in Sursand Block.
Mungy (G.E.N)

Schedule XLV-Form No. 134

Length of road - 1.90 km (85-1.70 km, CC. 0.200 km)

Agreement No / Date: - MM45Y/53/SBD/2021-22 Date 12.11.2021.

Subdivided into 1 lot
DIVISION

SUB-DIVISION

1 lot
5 HSM, 2 JALIS
|

MEASUREMENT BOOK

No 2439

Agency: - Suvarna Kaman - Muzaffarpur -

1st on A/c Bill

MMGSY (GEN).

Construction of MMGSY road from

Name of Work- Banaul chowk To Banauli Dusad

Situation of Work- Tola - In progress.

Agency by which work is executed- Suwarna sum

Date of Measurement- 28.12.2021

No. and date of agreement MMGSY/53/38D/2021-
Date 12.11.2021

(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.	
Date of start:-			12.11.2021		
Date of completion:-			11.11.2022		
1) 1.16) Providing and fixing of (A) working benchmark					
	1.90 km				⇒ 1.90 km
2) (B) Reference pillar.					
	1.90				⇒ 1.90 km
3) 2.2) clearing and grubbing road land including uprooting wild vegetation grass, bushes shrubs etc.					
	2	1900	3.50		13300 m ² .
	133000/10000				⇒ 1.33 Ha
4) 2.15) Dismantling of cement concrete pavements by mechanical means.					
	1	50.00	3.00	0.10	15.00 m ³ .
5) 3.5) Box cutting:- Excavation for roadway in soil using manual means.					
Both side of BEB (BT)	2	1100	0.525	0.10	115.50
Both side of BES (C.C)	2	200	0.375	0.10	15.00
Total all					130.50 m ³ .

28/12/2021
JE.

Continuation

10.2.22

Belt XIV Form No. 134

Date of measurement 1- 05/01/2022.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6) 3.4) Construction of Embankment with material obtained from borrow pits with all lifts, loads and transparency to side.					
	3	30.00	6.00	0.30	162.00
	4	30.00	6.00	0.30	216.00
	3	30.00	6.00	0.30	162.00
	5	30.00	6.00	0.30	270.00
	4	30.00	6.00	0.30	216.00
	2	30.00	6.00	0.30	108.00
	1	30.00	6.00	0.30	54.00
	3	30.00	6.00	0.30	162.00
	3	30.00	6.00	0.30	162.00
	1	30.00	6.00	0.30	54.00
	1	30.00	6.00	0.30	54.00
	1	30.00	6.00	0.30	54.00
	4	30.00	6.00	0.30	216.00
	1	30.00	6.00	0.30	54.00
	1	20.00	6.00	0.30	36.00
	3	30.00	6.00	0.30	162.00
	4	30.00	6.00	0.30	216.00
	3	30.00	6.00	0.30	162.00
	3	30.00	6.00	0.30	162.00
	1	10.00	6.00	0.30	18.00
Total all					2700.00 m ²

Bhambhani
 05/01/2022
 JE

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(A) Lead for 1000m ²					189.00 m ³
(B) lead for 100m ²					2811.00m ³
(7) Construction of Subgrade and earthen shoulder with approved material obtained from borrow pits. all lift and leads - transporting at site.					
(A) Flexible road -					
	3	30.00	6.00	0.40	216.00
	4	30.00	6.00	0.40	288.00
	3	30.00	6.00	0.35	189.00
	3	30.00	6.00	0.30	162.00
	1	10.00	6.00	0.30	18.00.
Total qty	12 12 5 5				873.00m ³
Date of measurement - 16.01.2022.					
(8) Construction of granular Sub Base (GSB) Gr I by providing well graded material, spreading in uniform layer with compaction					
(A) Flexible road -					
(a) Earthen portion.	3	30.00	4.05	0.20	72.90
	4	30.00	4.05	0.20	97.20
	3	30.00	4.05	0.20	72.90
	3	30.00	4.05	0.20	72.90
	1	10.00	4.05	0.20	8.10.
Total qty (a) -					324.00m ³

Particulars	Details of actual measurement				Contents of area
	Length	L.	B.	D.	
(B) - flexible					
(b) in box	2	11.00	0.525	0.10	115.50
(c) on BES surface.	4	30.00	4.05	0.10	48.60
	2	30.00	4.05	0.10	24.30
	1	30.00	$\frac{4.30 + 4.05}{2}$	0.10	12.53
	3	30.00	4.05	0.10	36.45
	3	30.00	4.05	0.10	36.45
	1	30.00	$\frac{4.25 + 4.20}{2}$	0.10	12.68
	1	30.00	4.05	0.10	12.15
	1	30.00	4.20	0.10	12.60
	4	30.00	4.05	0.10	48.60
	1	30.00	$\frac{4.30 + 4.05}{2}$	0.10	12.53
	2	30.00	4.05	0.10	24.30
	3	30.00	4.05	0.10	36.45
	5	30.00	4.05	0.10	60.75
	3	30.00	4.05	0.10	36.45
	1	20.00	$\frac{4.50 + 4.05}{2}$	0.10	8.55
	2	30.00	4.05	0.10	24.30
profile correction BES	2	3.25	1.25	0.10	0.81
	2	1.75	1.20	0.10	0.42
	4	6.55	1.25	0.10	3.28
	4	7.35	1.10	0.10	3.23
	6	5.65	0.95	0.10	3.22
	4	8.25	1.15	0.10	3.80
	6	8.85	1.25	0.10	6.64
	4	6.25	1.30	0.10	3.25
	4	5.75	1.35	0.10	3.11
	2	4.55	0.95	0.10	0.86

591.81 m³.

Totality

Continuation

$$\text{Totality (A) + (B)} = 324.00 + 591.81 = 915.81 \text{ m}^3$$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
For Rigid Portion -					
Bolt side Box BES.	2	200	0.375	0.10	15.00 m ³
Profile correction in B.E.S.	2	3.50	0.85	0.10	0.60
	2	1.50	0.90	0.10	0.27
	2	1.80	1.05	0.10	0.39
	2	4.40	1.20	0.10	1.06
	2	5.65	1.25	0.10	1.41 1.42
	2	4.85	1.15	0.10	1.12
	2	4.05	0.90	0.10	1.46
Totally					21.30 m ³
Swend 16/01/22 JE 10-1-22 HAR					
Date of measurement - 12.02.2022.					
⑨ 4.7. Providing layer spreading and compacting stone aggregate - WBM- 68 III					
⑩ Flexible road -					
	3	30.00	3.75	0.075	25.31
	4	30.00	3.75	0.075	33.75
	3	30.00	3.75	0.075	25.31
	5	30.00	3.75	0.075	33.75 42.19
	4	30.00	3.75	0.075	33.75
	2	30.00	3.75	0.075	16.88
	1	30.00	$\frac{4.00 + 3.75}{2}$	0.075	8.72
	3	30.00	3.75	0.075	25.31
	1	30.00	$\frac{3.95 + 3.75}{2}$	0.075	8.66
	3	30.00	3.75	0.075	25.31
	1	30.00	3.75	0.075	8.44

Seth K. V. P. 198

Particulars	Details of work	Rate	Q.	Q.	Amount of work
	1	30.00	3.90	0.075	8.78
	4	30.00	3.75	0.075	33.75
	1	30.00	4.889 3.75	0.075	8.72
	3	30.00	3.75	0.075	25.31
	1	20.00	3.754 3.85	0.075	5.70
	4	30.00	3.75	0.075	33.75
	3	30.00	3.75	0.075	25.31
	3	30.00	3.75	0.075	25.31
	1	10.00	3.75	0.075	2.81
Total qty					423.07 m ³

(B) For Right road -

	1	30.00	4.55 + 3.85	0.075	9.45
	1	30.00	3.75	0.075	8.44
	1	30.00	3.75	0.075	8.44
	1	20.00	3.754 3.90/2	0.075	5.74
	3	30.00	3.75	0.075	25.31
Total qty					57.38 m ³

(10) providing and fixing MMSY

Logo, information and
Citizen sign board -

272

4.00 No

S. K. V. P. 198

R. K. V. P. 198

Continuation

Abstract of cost

Est on A/c Bill

7

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1) 1:16. Providing and fixing working bench marks.					
atly vide TMB P-01					
atly 1.90 km @ 4015.40 / km $\Rightarrow$					7629.00
② Reference pillar					
atly vide TMB P-01					
atly 1.90 km @ 1845.98 / km $\Rightarrow$					3507.00
3) 2-2.) Clearing and grubbing road land including uprooting wild vegetation. grass. bushes. etc					
atly vide TMB- P-01					
atly 1.33 HA @ 52970.33 HA $\Rightarrow$					70451.00
④ Dismantling of cement concrete pavement -					
atly vide TMB- P-01					
atly 15.00 m ³ @ 1128.00 / m ³ $\Rightarrow$					16920.00
⑤ Construction of embankment with material obtained from borrow pits. with lift and lead.					
atly vide TMB P- 03.					
⑥ Lead upto 1000 mt					
atly 189.00 m ³ @ 190.57 / m ³ $\Rightarrow$					36018.00
⑦ lead upto 100 mt.					
atly vide TMB P- 03.					
atly 2511.00 m ³ @ 152.15 / m ³ $\Rightarrow$					382049.00
Total Amount (Rs)					516574.00

qo.

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
05) Box cutting Excavation for road way in soil by using manual means.					
align vide TMB P-01.					
align $130.50 \text{ m}^3 @ 75.57 / \text{m}^3$				$\Rightarrow$	9862.00.
07) Construction of subgrade and earthen shoulders with material obtained from borrow pits.					
align vide TMB P-03.					
align $873.00 \text{ m}^3 @ 191.76 / \text{m}^3$				$\Rightarrow$	167466.00
08) Construction of G.S.B-Gr-I.					
align vide TMB P-04.					
(A) Flexible road-					
align $915.81 \text{ m}^3 @ 2652.65 / \text{m}^3$				$\Rightarrow$	24,29,323.00
(B) For Rigid road.					
align vide TMB P-05.					
align $21.30 \text{ m}^3 @ 2652.65 / \text{m}^3$				$\Rightarrow$	56501.00
09) Providing laying spreading and compacting W.B.B-60 III					
(A) flexible road.					
align vide TMB P-06.					
align $423.07 \text{ m}^3 @ 3228.39 / \text{m}^3$				$\Rightarrow$	13,65,835.00
(B) Rigid road.					
align vide TMB P-06.					
align $57.38 \text{ m}^3 @ 3228.65 / \text{m}^3$				$\Rightarrow$	1,85,245.00.
Total Amount (Rs).					47,30,746.00/-

c/o.

BIF 47,30,746.00/-

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑩ Providing and fixing m m gsp					
Logo of information and citizen					
sign board.					
alg vide TMB. 9-06.					
alg 04 No @ 9476.00 each					⇒ 37904.00
Total Amount (Rs)					47,68,650.00
a) add @ 1% Labour cess (Rs)					47,687.00
b) Add @ 12% GST. (Rs)					57,2238.00
Sub Total Amount (Rs)					53,88,575.00
Less @ 0.42% below as per contract. (Rs)				(-)	22632.00
Net Payable Amount (Rs)					5365943.00
Say Rs.					53,65,943.00/-

~~Standard~~
12/02/2022
JE

~~12/02/2022~~
12.2.22
AR

C of P
Signature
12.2.22

Material Statement:-

A) Earth work:- 3573.00 m³.B) Stone metal. (SB Gr I) = 749.69 m³.(C) Stone metal (BTS Gr II) = 369.95 m³.(d) Stone dust:- 187.42 + 110.50 = 297.92 m³.

~~Standard~~
12/02/2022
JE

~~12/02/2022~~
12.2.22
AR