

Work: - Construction of Road from Simar Brahman Station
to Thakur Tola Kheriya, in Charaut Block under

Schedule XIV-Form No. 134 MMGSY (GEN)

अनुवर्तमान विभाग और ग्रहण, गुण **DIVISION**

अनुवर्तमान विभाग और ग्रहण, गुण **SUB-DIVISION**

MEASUREMENT BOOK

10-2330

Agency: - Praveen Kumar, Sejamarkhi.

Sch. XLV - Form No. 134

ગ્રામીણ કાર્ય વિભાગ કાર્ય પ્રમંડલ પુણી DIVISION

કાર્ય ભવન પ્રમંડલ ચોરૌત SUB-DIVISION

Measurement Book

No. 2330

Name of Officer શ્રી મિવેન્દ્ર કુમાર રાજ

સહાયક અભિગણ કાર્ય ભવન પ્રમંડલ ચોરૌત

Date of first entry _____

Date of last entry _____

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:- Construction of Road from Siman Brahmansthan to ThakurTola Khonja in cherant block under MMASy.					
Name of Agency:- Praveen kumar.					
Agreement No:- 25/SBD/ 2020-2021.					
Date 10.07.2020.					
Date of Start:- 10.07.2020					
Date of completion:- 09/07/2021.					
Bill No - 1st on A/c Bill.					
Date of Measurement:- 15/10/2020.					
1) Providing & fixing of working benchmark pillars.					
1	3.300				3.300Km ²
2) Reference pillars.					
1	3.300				3.300Km ²
3) clearing and grubbing road land including uprooting wild vegetation:-					
2	3300	3.50			23100 m ²
Ha = 23100/1000		=			2.31 Ha

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4) Excavation for road way in soil using manual means for carrying of cut earth to embankment side					
for p.c.c	2x10	30.00	0.375	0.10	22.50
portion-	2x10	30.00	0.375	0.10	22.50
	2x5	30.00	0.375	0.10	11.25.
Totally					56.25 m ³ .
(5) construction of Embankment with material obtained from borrow pits.					
	8	30.00	6.00	0.20	288.00
	4	30.00	6.00	0.20	144.00
	4	30.00	6.00	0.20	144.00 144.00
	5	30.00	6.00	0.20	180.00
	5	30.00	6.00	0.20	180.00
	1	20.00	6.00	0.20	24.00'
Totally					960.00 m ³ .
(a) for lead- 1000mt				=	220.80 m ³ .
(b) for lead 100mt				=	739.20 m ³ .
(6) Construction of Subgrade and earth shoulder with material obtained from borrow pits.					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(A) Flexible road.	5	30.00	6.00	0.30	270.00
	5	30.00	6.00	0.30	270.00
	4	30.00	6.00	0.30	216.00
	4	30.00	6.00	0.30	216.00
	3	30.00	6.00	0.30	162.00
	2	30.00	6.00	0.30	108.00
	2	30.00	6.00	0.30	108.00
	Totality				1350.00 m ³
(B) Flexible Rigid road -					
Bolt side G.S.B.	2x16	30.00	0.625	0.10	60.00
	2x1	20.00	0.625	0.10	60.00 2.50
Bolt side of W.B.M.	2x16	30.00	0.625	0.075	45.00
	2x1	20.00	0.625	0.075	1.88
Bolt side of P.C.C.	2x16	30.00	0.625	0.16	96.00
	2x1	20.00	0.625	0.16	2.00
Totality					207.38 m ³
Date of measurement. 05/11/2020					
(7) Construction of G.S.B. by providing well graded material spreading in uniform layers.					
	2x1	5.00	0.375	0.10	0.38
	2x1	12.00	0.375	0.10	0.90
	2x1	30.00	0.375	0.10	2.25
	4x2	30.00	0.375	0.10	9.00
	4x2	30.00	0.375	0.10	9.00
Totality					21.53 m ³

Continuation

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B/F. 21.53 m³.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	2x1	14.00	0.375	0.10	1.05
	2x4	30.00	0.375	0.10	9.00
	2x5	30.00	0.375	0.10	11.25
	2x3	30.00	0.375	0.10	6.75
	2x2	30.00	0.375	0.10	4.50
	2x1	20.00	0.375	0.10	1.50
	2x1	9.00	0.375	0.10	0.68
Profile leveling in	2x2	6.25	1.20	0.10	3.00
nick edge	2x2	5.25	0.85	0.10	1.79
siding.	2x3	4.85	0.75	0.10	2.18
	2x3	8.35	0.70	0.10	3.51
	2x2	6.95	0.95	0.10	2.64
	2x2	6.70	0.90	0.10	3.41 2.41
	3x2	6.55	0.80	0.10	3.14
	2x1	7.25	0.95	0.10	1.38
	2x2	5.20	0.75	0.10	1.56
	2x2	4.20	0.50	0.10	0.84
Totality	15.11.2020 15.11.2020				78.71 m ³
Date of measurement	15.11.2020				
(8) Providing laying spreading and compacting Stone aggregate WBM-Grill.					
Rigid Road.					
	1x5.00x	$\frac{10.60+4.50}{2}$	x	0.075	2.83
	1x12.00x	$\frac{4.50+4.2}{2}$	x	0.075	3.92
	1x30.00x	$\frac{4.00+3.75}{2}$	x	0.075	8.72
	4x	30.00	x 3.75 x	0.075	33.75
Totality					49.22 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	4	30.00	3.75	0.075	33.75
	1	14.00	3.75	0.075	3.94
	5	30.00	3.75	0.075	42.19
	4	30.00	3.75	0.075	33.75
	3	30.00	3.75	0.075	25.31
	2	30.00	3.75	0.075	16.88
	$1 \times 9.00 \times \left(\frac{5.60 + 4.60 + 3.75}{3} \right) \times 0.075$				3.14
	1	20.00	3.75	0.075	5.63
Total area					213.81 m ³ .
<i>15/11/2020</i> <i>JB</i> Date of Measurement:- 20.12.2020					
(9) Construction of unreinforced Plain- Comast concrete Pavement.					
	$1 \times 5.00 \times \left(\frac{10.60 + 4.50}{2} \right) \times 0.16$				6.04
	$1 \times 12.00 \times \left(\frac{4.50 + 4.20}{2} \right) \times 0.16$				8.35
	$1 \times 30.00 \times \left(\frac{4.60 + 3.75}{2} \right) \times 0.16$				18.60
	4	30.00	3.75	0.16	72.00
	4	30.00	3.75	0.16	72.00
	1	14.00	3.75	0.16	8.40
	3	30.00	3.75	0.16	54.00
	3	30.00	3.75	0.16	54.00
	$1 \times 90.00 \times \left(\frac{3.75 + 3.75}{2} \right) \times 0.16$				12.32
Total.					305.71 m ³ .
(10) Providing and fixing R.C.C. Hume pipe duct 300 mm dia -					
	26	2.50			50.00 mt.

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) Providing and fixing Logo mmgsy information and citizen sign board-					
(1) Information sign board-					2.00 No
(1) Citizen sign board-					2.00 No
Total-					4.00 Nos
Shankar 20/12/2020 SE					
Shankar 20/12/2020 AE					

Abstract of cost
 N/worki- Construction of Road from
 Siman Brahman Sthan to
 Thakur Tola Khotiya in
 Chorant block under mmgsy

1) Providing and fixing working bench mark pillars.				
Qty vide TMB-P-01.				
Qty 3.300 km @ 4264.37/km				14072.00/-
2) Reference pillar.				
Qty vide TMB-P-01.				
Qty 3.300 km @ 1975.78/km				6520.00/-
Total Amount (Rs)				20592.00/-

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(3) clearing and grubbing road land including uprooting wild vegetation, grass, and bushes.					
at vide TMB. P-01.					
at 2.31 Ha @ 49496.70/Ha					114337.00/-
(5) construction of embankment with material obtained from borrow pits.					
at vide TMB. P-02.					
(A) load for 100 mt.					
at 220.80 m ³ @ 175.11/m ³					38664.00/-
(B) load for 100 mt					
at 739.20 m ³ @ 138.27/m ³					102209.00
(4) Excavation for road land way in soil using manual means for carrying of cut earth.					
at vide TMB/P-02					
at 56.25 m ³ @ 74.10/m ³					4168.00/-
(6) construction of subgrade and earthen shoulder with material obtained from borrow pits.					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(A) Flexible road-					
alg vide TMB-P-03.					
alg $1350\text{ m}^3 @ 176.75/\text{m}^3 \Rightarrow$					2,38,613.00/-
(B) Rigid road-					
alg vide TMB-P-03.					
alg $207.38\text{ m}^3 @ 176.75/\text{m}^3$					36,654.00/-
(7) Construction of G.S.B by					
providing well graded-					
material spreading in					
uniform layers.					
alg vide TMB-P-04.					
alg $78.71\text{ m}^3 @ 2795.59/\text{m}^3 \Rightarrow$					2,20,041.00
(8) Providing laying spreading					
and compacting stone					
aggregate WBM 4r III					
alg vide TMB-P-05.					
alg $213.81\text{ m}^3 @ 3400.83/\text{m}^3 \Rightarrow$					7,27,131.00/-
(9) Construction of Unreinforced					
cement concrete pavement.					
alg vide TMB-P-05.					
alg $305.71\text{ m}^3 @ 7838.08/\text{m}^3 =$					23,96,179.00
(10) Providing and laying					
R.C.C. Hume pipe duct-					
300 mm dia -					
alg vide TMB-P-05 -					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
alg 50.00 mt @ 878.33/m					43,917.00/-
① Providing and fixing Logo of mmgsy information and citizen sign board - city vide TMB-P-06.					
alg 04 Nos @ 11064.91/each					44260.00/-
Total Amount for road work (Rs)					39,86,765.00
② Add @ 1% Labarces				⊕	39867.00
③ Add @ 12% GST				⊕	4,78,412.00
Total (Labarces + GST)				Rs -	45,05,044.00
Less @ 2.55 below as per contract (-)					114879.00
Net Payable Amount (Rs)					43,90,166.00/-
say. Payable Amount - Rs 43,90,166.00/-					
<i>Shankar</i> 20/12/2020 JE <i>Shankar</i> 20/12/20 A.E <i>Shankar</i> 16/12/21					
Material Statement:-					