

MM5Y(SC) Manjgama to/a under MM5Y(SC)

Schedule XLV-Form No. 134

સામીલ કોર્મ વિભાગ

કોર્મ સમસ્ય નોંધક

DIVISION

સામીલ કોર્મ વિભાગ

SUB-DIVISION

કોર્મ સ્તર ૫૦ ધોડી/મી

Measurement Book

શ્રી સમસ્ય નોંધક

MBNo-501

1st and final 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:-					Construction
of road and CD works					
with 5 year maintenance					
from PMGSY Se Manjgama					
tola Under NMGSY (SC) scheme.					
Agency:-					Abhay Kumar
Date of Start:-					3.02.2021
Date of completion:-					2.11.2022

Agreement no:-	112 SBD/2020-21
Date of measurement:-	16.10.22
① Clearing and grubbing road land (By manual means)	
2x 550.0m x 1.00m	= 1100.0m ²
	≈ 0.11 Ha

② Construction of embankment with material obtained from	
1x 6.00m x $\left(\frac{6.50 + 6.00}{2} \right)$ m x 0.30m	= 13.05 m ²
1x 20.0m x 4.50m x 0.45m	= 40.50m ²
	C/P 53.55m ²

Continuation

B/F 53.55m²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1x 20.0m x 5.0m x 0.40m					40.0m ²
1x 7.0m x 6.10m x 0.20m					12.81m ²
1x 11.0m x 6.50m x 0.30m					21.45m ²
1x 9.0m x 6.90m x 0.30m					18.63m ²
1x 8.0m x 6.20m x 0.30m					14.88m ²
1x 7.00m x 5.00m x 0.30m					10.50m ²
1x 11.00m x 5.00m x 0.30m					16.50m ²
1x 10.0m x 5.20m x 0.30m					15.60m ²
1x 21.0m x 4.80m x 0.30m					30.24m ²
1x 6.00m x 6.10m x 0.40m					14.64m ³
1x 6.00m x 6.30m x 0.40m					15.12m ³
1x 16.0m x 5.40m x 0.35m					30.24m ²
1x 17.00m x 5.50m x 0.30m					28.05m ²
1x 5.00m x 5.50m x 0.30m					8.25m ²
1x 4.00m x 6.10m x 0.35m					8.54m ²
1x 8.0m x 5.50m x 0.30m					13.20m ²
					352.20m ²
1x 8.00m					limit Qty. = 322.00m ²
					Sahib Singh
					16/10/22
					A/E J.E

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Date of measurement: - 19.10.22					
① construction of Subgrade and earthen shoulders with approved					
1x 8.00m x (5.50 + 7.70) / 2 m x 0.40m =					21.12 m ²
1x 5.0m x 4.50m x 0.30m =					6.75 m ²
1x 15.0m x 4.00m x 0.20m =					18.00 m ²
1x 22.0m x 5.50m x 0.30m =					36.30 m ²
2x 30.0m x 3.0m x 0.30m =					54.00 m ²
1x 21.0m x 3.0m x 0.30m =					18.90 m ²
1x 30.0m x 5.00m x 0.30m =					45.00 m ²
					200.07 m ²
				Signature	Signature
				Ty 10/22	19.10.22
				A.E	J.E
Date of measurement: - 28.10.22					
① Construction of granular Sub base by providing well graded material					
1x 6.00m x (7.40 + 3.40) / 2 m x 0.10m =					3.24 m ²
1x 20.0m x 2.60m x 0.10m =					5.20 m ²
1x 20.0m x 3.05m x 0.10m =					6.10 m ²
1x 7.00m x 4.55m x 0.10m =					3.185 m ²
1x 11.00m x (7.70 + 6.90) / 2 m x 0.10m =					6.38 m ²
				C/o	24.105 m ²

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B/F	24.105m ²
1x 9.00m x $\left(\frac{8.50+5.00}{2}\right)$ m x 0.10m					6.075m ²
1x 8.00m x 4.45m x 0.10m					3.56m ²
1x 7.00m x 4.00m x 0.10m					2.80m ²
1x 11.00m x 3.10m x 0.10m					3.41m ²
1x 10.00m x $\left(\frac{3.65+3.50}{2}\right)$ m x 0.10m					3.575m ²
1x 21.00m x 3.20m x 0.10m					6.72m ²
1x 6.00m x 3.80m x 0.10m					2.28m ²
1x 6.00m x 4.10m x 0.10m					2.46m ²
1x 16.00m x 3.40m x 0.10m					5.44m ²
1x 17.00m x 5.00m x 0.10m					8.50m ²
1x 5.00m x 4.90m x 0.10m					2.45m ²
1x 4.00m x $\left(\frac{4.80+3.75}{2}\right)$ m x 0.10m					1.71m ²
1x 8.00m x $\left(\frac{3.70+3.90}{2}\right)$ m x 0.10m					3.04m ²
1x 8.00m x $\left(\frac{4.80+7.60}{2}\right)$ m x 0.10m					4.96m ²
1x 5.00m x 3.30m x 0.10m					1.65m ²
1x 15.00m x 3.00m x 0.10m					4.50m ²
1x 8.00m x $\left(\frac{4.80+7.80}{2}\right)$ m x 0.10m					3.84m ²
1x 6.00m x 4.40m x 0.10m					2.64m ²
1x 8.00m x 3.85m x 0.10m					3.08m ²
1x 19.00m x 2.75m x 0.10m					5.225m ²
1x 25.00m x 2.70m x 0.10m					6.75m ²
1x 15.00m x $\left(\frac{2.90+2.70}{2}\right)$ m x 0.10m					4.20m ²
1x 22.00m x 2.80m x 0.10m					6.16m ²
				C/O	119.13m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B/P	119.13m ²
1x 11.0m x $\frac{(6.90 + 3.75)}{2}$ m x 0.10m					= 5.86m ²
1x 3.6.00m x 3.75m x 0.10m					= 13.50m ²
1x 26.00m x $\frac{(3.00 + 3.70)}{2}$ m x 0.10m					= 87.10m ²
1x 9.00m x 8.00m x 0.10m					= 7.20m ²
1x 27.00m x 1.60m x 0.10m					= 4.32m ²
1x 16.00m x 1.50m x 0.10m					= 2.40m ²
1x 10.00m x 0.60m x 0.10m					= 0.60m ²
1x 20.0m x 1.00m x 0.10m					= 2.00m ²
1x 14.00m x 1.00m x 0.10m					= 1.40m ²
1x 20.0m x 0.10m x 1.00m					= 2.00m ²
1x 20.0m x 1.00m x 0.10m					= 2.00m ²
1x 18.00m x $\frac{(3.10 + 2.90)}{2}$ m x 0.10m					= 5.40m ²
1x 9.00m x 2.10m x 0.10m					= 1.89m ²
1x 9.00m x $\frac{(3.20 + 3.05)}{2}$ m x 0.10m					= 2.81m ²
1x 10.00m x $\frac{(2.40 + 1.80)}{2}$ m x 0.10m					= 2.10m ²
1x 10.0m x $\frac{(4.00 + 3.60)}{2}$ m x 0.10m					= 3.80m ²
1x 12.0m x 3.70m x 0.10m					= 4.44m ²
1x 17.0m x $\frac{(3.40 + 2.70)}{2}$ m x 0.10m					= 5.185m ²
1x 12.0m x 2.90m x 0.10m					= 3.48m ²
1x 21.00m x $\frac{(4.90 + 3.15)}{2}$ m x 0.10m					= 8.45m ²
1x 9.00m x 2.00m x 0.10m					= 1.80m ²
					198.215m ²
				Sagis	Sagimb
				28/10/22	28.10.22
				A.E	

Continuation

J.E

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Date of measurement:-	7	11.22			
① Providing, laying, spreading and Compacting Stone aggregates — mamp					
$1 \times 6.00 \text{ m} \times \left(\frac{7.40 + 3.40}{2} \right) \text{ m} \times 0.075 \text{ m} = 2.43 \text{ m}^3$					
$1 \times 26.00 \text{ m} \times 2.60 \text{ m} \times 0.075 \text{ m} = 3.90 \text{ m}^3$					
$1 \times 20.00 \text{ m} \times 3.05 \text{ m} \times 0.075 \text{ m} = 4.575 \text{ m}^3$					
$1 \times 7.00 \text{ m} \times 4.55 \text{ m} \times 0.075 \text{ m} = 2.39 \text{ m}^3$					
$1 \times 11.00 \text{ m} \times \left(\frac{4.70 + 6.90}{2} \right) \text{ m} \times 0.075 \text{ m} = 4.785 \text{ m}^3$					
$1 \times 9.00 \text{ m} \times \left(\frac{8.50 + 5.00}{2} \right) \text{ m} \times 0.075 \text{ m} = 4.55 \text{ m}^3$					
$1 \times 8.00 \text{ m} \times 4.45 \text{ m} \times 0.075 \text{ m} = 2.67 \text{ m}^3$					
$1 \times 7.00 \text{ m} \times 4.00 \text{ m} \times 0.075 \text{ m} = 2.10 \text{ m}^3$					
$1 \times 11.00 \text{ m} \times 3.10 \text{ m} \times 0.075 \text{ m} = 2.56 \text{ m}^3$					
$1 \times 10.0 \text{ m} \times \left(\frac{3.65 + 3.50}{2} \right) \text{ m} \times 0.075 \text{ m} = 2.68 \text{ m}^3$					
$1 \times 21.0 \text{ m} \times 3.20 \text{ m} \times 0.075 \text{ m} = 5.04 \text{ m}^3$					
$1 \times 6.00 \text{ m} \times 3.80 \text{ m} \times 0.075 \text{ m} = 1.71 \text{ m}^3$					
$1 \times 6.00 \text{ m} \times 4.10 \text{ m} \times 0.075 \text{ m} = 1.845 \text{ m}^3$					
$1 \times 16.00 \text{ m} \times 3.40 \text{ m} \times 0.075 \text{ m} = 4.08 \text{ m}^3$					
$1 \times 17.00 \text{ m} \times 5.00 \text{ m} \times 0.075 \text{ m} = 6.375 \text{ m}^3$					
$1 \times 5.00 \text{ m} \times 4.90 \text{ m} \times 0.075 \text{ m} = 1.84 \text{ m}^3$					
$1 \times 4.00 \text{ m} \times \left(\frac{4.80 + 3.75}{2} \right) \text{ m} \times 0.075 \text{ m} = 1.28 \text{ m}^3$					
$1 \times 8.00 \text{ m} \times \left(\frac{3.70 + 3.90}{2} \right) \text{ m} \times 0.075 \text{ m} = 2.28 \text{ m}^3$					
$1 \times 8.00 \text{ m} \times \left(\frac{4.80 + 7.60}{2} \right) \text{ m} \times 0.075 \text{ m} = 3.72 \text{ m}^3$					
$1 \times 5.00 \text{ m} \times 3.20 \text{ m} \times 0.075 \text{ m} = 1.24 \text{ m}^3$					
				C/O	62.05 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B/F	62.05m ²
1x15.0m x 3.00m x 0.075m					= 3.375m ²
1x8.0m x 4.80m x 0.075m					= 2.88m ²
1x6.00m x 4.40m x 0.075m					= 1.98m ²
1x19.00m x 2.75m x 0.075m					= 3.92m ²
1x25.0m x 2.70m x 0.075m					= 5.06m ²
1x15.00m x $\frac{(2.90+2.70)}{2}$ x 0.075m					= 3.15m ²
1x22.00m x 2.80m x 0.075m					= 4.62m ²
1x17.0m x $\frac{(6.90+3.75)}{2}$ x 0.075m					= 6.79m ²
1x30.0m x 3.75m x 0.075m					= 8.44m ²
1x26.00m x $\frac{(3.0+3.75)}{2}$ x 0.075m					= 6.53m ²
1x9.00m x 8.00m x 0.075m					= 5.40m ²
1x18.0m x $\frac{(3.10+2.90)}{2}$ x 0.075m					= 4.05m ²
1x9.00m x 2.10m x 0.075m					= 1.42m ²
1x9.00m x $\frac{(3.20+3.05)}{2}$ x 0.075m					= 2.11m ²
1x10.0m x $\frac{(2.40+1.80)}{2}$ x 0.075m					= 1.95m ²
1x10.0m x $\frac{(4.0+3.60)}{2}$ x 0.075m					= 2.85m ²
1x12.0m x 3.70m x 0.075m					= 3.23m ²
1x17.00m x $\frac{(3.40+2.70)}{2}$ x 0.075m					= 3.89m ²
1x12.00m x 2.90m x 0.075m					= 2.61m ²
1x4.00m x 5.20m x 0.075m					= 1.56m ²
1x30.0m x $\frac{(2.80+3.00)}{2}$ x 0.075m					= 6.525m ²
1x21.00m x $\frac{(4.90+3.15)}{2}$ x 0.075m					= 6.34m ²
1x27.00m x 1.60m x 0.075m					= 3.24m ²
1x16.0m x 1.50m x 0.075m					= 1.80m ²

Continuation
1x10.0m x 1.0m x 0.075m = 0.75m²

156.245m²

Saber
7/11/22
A/E

Sagib
7-11-22

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(7) P/L of hot applied thermoplastic compound					
2.5mm thick					
2x 550.0m x 0.40m					110.0m ²
(8) Providing and erecting direction and place identification					
(9) Providing and fixing of typical mm Gyr in formatory					
(10) Construction of Sub-grade and Parthen shoulder & mth					
2x 30.0m x 0.60m x 0.335m					12.06m ³
2x 21.0m x 0.60m x 0.335m					4.22m ³
1x 16.0m x 0.50m x 0.335m					2.68m ³
1x 8.0m x 0.50m x 0.335m					1.34m ³
1x 14.0m x 0.60m x 0.335m					2.81m ³
					23.11m ³
(11) P/F of working benchmark pillars					
(12) Reference pillars					

Continuation

Safiq Saquib
 23/11/22 23.11.22
 A.E J.E

ABSTRACT OF COST 1st and final Bill

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① Providing and fixing of working benchmark pillars —					
Qty. vide TMBP ①					
Item no: — ① = 0.55 Km					
@ Rs 3837.50/Km					Rs 2110 = ∞
② Reference pillars					
Qty. vide TMBP ②					
Item no: — ② = 0.55 Km					
@ Rs 1887.13/Km					Rs 1037 = ∞
③ Clearing and grubbing road land (By manual means) —					
Qty. vide TMBP ③					
Item no: — ③ = 0.11 Ha					
@ Rs 51133 = 76/Ha					Rs 5624 = ∞
④/⑤ Construction of embankment with material obtained —					
Qty. vide TMBP ④					
Item no: — ④ = 302.00 m ³					
@ Rs 175 = 22/m ³					Rs 52916 = ∞
⑤/⑥ Construction of sub-grade and earthen					

Continuation

C/o Rs 61687 = ∞

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Shoulders with					
Qty. wide Tmsl (3)					
Item no 1-(6) =			200.07m ²		
Qty. wide Tmsl (9)			2241m ²		894m ²
Item no 1-(10) =			23.11m ²		
			223.18m ²		
@ Rs 175 = 22/m ²					Rs 39105.00
(6)/(7) Construction of granular sub-base by providing well					
Qty. wide Tmsl (5)					
Item no 1-(6) =			198.215m ²		
limit Qty. =			193.91m ²		
@ Rs 2835 = 20/m ²					Rs 549773.00
(7)/(8) P/L, Spreading and Compacting Stone aggregates					
Qty. wide Tmsl (7)					
Item no 1-(9) =			156.245m ²		
limit Qty. =			156.23m ²		
@ Rs 3706.69/m ²					Rs 579096.00
(8)/(9) Construction of unreinforced plain cement concrete pavement					

Continuation

C/O Rs 12,29,661.00

B/F Rs 1229661=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty. vide Tmp (8)					
Item no :- (1) = 322.30m					
@ Rs 6840 = 82/m					
(9)/(10) Km Stone					Rs 2280045=00
Qty. vide Tmp (8)					
Item no :- (2) = 2 nos.					
@ Rs 2275 = 67/no.					
(10)/(11) 200m Stone					Rs 4551=00
Qty. vide Tmp (8)					
Item no :- (3) = 2 nos.					
@ Rs 602.42/no.					
concrete m/s grade					
boundary pillars					
Qty. vide Tmp (8)					
Item no :- (4) = 16 nos.					
@ Rs 500 = 26/no.					
(12)/(13) P/F of retro					Rs 8005=00
reflective, Cautionary,					
mandatory					
Qty. vide Tmp (8)					
Item no :- (5) = 4 nos.					
@ Rs 4730 = 55/no.					
(13)/(14) 900mm Equilateral					Rs 18922=00
and triangle					

Continuation

C/o Rs 3542388=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty. vide TmsP (8)					
Item no:- (6) 4 nos.					
@ Rs 4855 = 20/no.					Rs 19420 = 00
(14)/(15) 600mm x 450mm rectangular					
Qty. vide TmsP (8)					
Item no:- (6) (4) = 4 nos.					
@ Rs 4684 = 52/no.					Rs 18738 = 00
(15)/(16) P/L of hot applied thermoplastic Compound 2.5mm thick					
Qty. vide TmsP (9)					
Item no:- (7) = 110.0m ²					
@ Rs 735 = 47/m ²					Rs 80898 = 00
(16)/(18) Providing and erecting direction and place identification					
Qty. vide TmsP (9)					
Item no:- (8) = 1.05qm					
@ Rs 12024 = 21/m ²					Rs 12024 = 00
(17)/(19) P/F of typical mm G.S. in formatory					
Sign board					
					40 Rs 36,73,468 = 00

Material Statement

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Earth = 525.18 m ²					
@ Rs 23.78/m ²					Rs 12488=∞
53mm - 9.5mm = 96.96m ²					
@ Rs 56.42/m ²					Rs 5072=∞
9.5mm - 2.36mm = 38.78m ²					
@ Rs 41=33/m ²					Rs 15951=∞
Stone Screening = 58.17m ²					
@ Rs 185=94/m ²					Rs 10816=∞
53mm - 22.4mm = 189.56m ²					
@ Rs 458=22/m ²					Rs 86860=∞
Stone Screening = 37.44m ²					
@ Rs 123=501					Rs 12333=∞
Stone Chips = 300.0m ²					
@ Rs 528=14/m ²					Rs 158442=∞
Coarse Sand = 150.0m ²					
@ Rs 150=80/m ²					Rs 22620=∞
					Rs 370202=∞
Sachin				Jagub	
23/11/22				23.11.22	
A.E				T.E	

Continuation