

L041 to Meghnaadih II (SC)

Ag.No. 48 SBD/2020-2021

Shedule XLV Form No. 134.

Ag value (71.5834) 0.00% below

Sheryghati

DIVISION

Amias

SUB-DIVISION

M/S Maa Shanti Const.

Measurement Book

1292

Certified that this M.B contains
01 to 100 machine printed pages
this M.B issued in favour of
Sri Arhok Kumar A.E R.W.D Works
Sub Div Amas


Executive Engineer
R.W.D (W) Division
Sherghati
05/03/2021

Sch. XLV-Form No. 134

Sherghati DIVISION
Amas SUB-DIVISION

Measurement Book

No. 1292

Date of work start :- 30/06/2020

Date of work completion - 29/06/2021

Name of officer _____

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 measurements relating to each work.)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>2nd on Record Measurement</u>					
Name of the work: Const of 12m & C/D Works					
from Lath to Meghnadik under					
Amo block.					
Agreement No: 48/SKD/2020-21					
Agency: Sanitary Mad Sami Construction					
Csurua.					

dt of Comm: 30-06-2020

dt of Comp: 29-06-2021

dt of entry: 20-6-21, 25-6-21, 28-6-21

Measurement as below

item (7) Construction of Channel sub

base by primary well - -

cepbale Measurement

0 to 38.0	1x1	(30.0+8.0)	$\times \frac{7.0+4.4}{2} \times 0.20 = 20.78$	43.52
38.0 to 48.0	1x1	$\times 10.0$	$\frac{4.40+4.05}{2} \times 0.20 = 8.45$	
Ramp	1x1	$\times 2.50$	$\frac{3.90+2.90}{2} \times 0.20 = 1.70$	
48.0 to 120.0	2x1	30.0	$\times 4.05 \times 0.20 = 48.60$	
	1x1	12.0	$\times 4.05 \times 0.20 = 9.72$	

Continuation

C.O - ~~97.25~~ cum

111.79

2
Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					111.79 B.F = 99.25 Cum
120.0 to 140.0	1x1	20.0	$\frac{4.05+4.40+4.05}{3}$		
					$\times 0.20 = 16.66$
140.0 to 190.0	1x1	$(30.0+20.0)$	$\times 4.05$	$\times 0.20$	$= 40.55$
190.0 to 210.0	1x1	30.0	$\frac{4.05+4.20+4.05}{3}$		
					$\times 0.20 = 24.60$
210.0 to 340.0	4x1	30.0	4.05	0.20	$= 97.20$
	1x1	10.0	4.05	0.20	$= 8.20$
340.0 to 360.0	1x1	20.0	$\frac{4.05+4.60+4.05}{3}$		
					$\times 0.20 = 16.93$
360.0 to 385.0	1x1	25.0	$\frac{4.05+4.90+4.05}{3}$		
					$\times 0.20 = 21.66$
385.0 to 435.0	1x1	$(30.0+20.0)$	$\times 4.05$	$\times 0.20$	$= 40.50$
435.0 to 450.0	1x1	15.0	$\frac{4.05+4.20+4.05}{3}$		
					$\times 0.20 = 12.30$
450.0 to 465.0	1x1	15.0	4.05	0.20	$= 12.15$
465.0 to 480.0	1x1	15.0	$\frac{4.05+4.20+4.05}{3}$		
					$\times 0.20 = 12.30$
480.0 to 515.0	1x1	25.0	4.05	0.20	$= 20.25$
515.0 to 530.0	1x1	15.0	$\frac{4.05+4.60+4.05}{3}$		
					$\times 0.20 = 12.60$
530.0 to 580.0	1x1	$(30.0+20.0)$	$\times 4.05$	$\times 0.20$	$= 40.50$
580.0 to 605.0	1x1	25.0	$\frac{4.05+4.80+4.05}{3}$		
					$\times 0.20 = 22.36$
605.0 to 670.0	4x1	15.0	$\times 4.05$	$\times 0.20$	$= 48.60$
	1x1	10.0	4.05	0.20	$= 8.10$

Continuation

Total C.O. = ~~557.71~~ Cum
567.25

Form XLV-Form No. 124

Particulars	Details of measurement				Contents of area
	No.	L.	B.	D.	
					567.25
					B.F. = 554.71 Cum
670.0 to 685.0	1x1	10.0	$\frac{4.05+5.40}{2}$	0.20	= 9.45"
	1x1	5.0	$\frac{5.40+6.10}{2}$	0.20	= 5.75"
685.0 to 700.0	1x1	15.0	$\frac{6.10+4.05}{2}$	0.20	= 15.22"
					7.83
<u>Line</u>	1x1	7.0	$\frac{6.10+4.05}{2}$	0.20	= 7.10"
	2x1	27.0	4.05	0.20	= 43.74"
700.0 to 900.0	6x1	30.0	4.05	0.20	= 145.80"
	1x1	20.0	4.05	0.20	= 16.20"
900 to 910.0	1x1	10.0	$\frac{4.05+3.40}{2}$	0.20	= 7.45"
					Total = 817.96 Cum

item No(20) providing daying spreading.
 & Compacting stone Metl (m).....

0 to 38.0	1x1	$(30.0+8.0)$	$\frac{7.0+4.40}{2}$		= 210.90 sqm
38.0 to 48.0	1x1	10.0	$\frac{4.40+3.75}{2}$		= 39.25"
Ramp	1x1	2.0	$\frac{3.90+2.90}{2}$		= 6.80"
48 to 120.0	2x1	30.0	3.75	-	= 225.0"
	1x1	12.0	3.75	-	= 45.0"
120.0 to 140.0	1x1	20.0	$\frac{3.75+4.20+3.75}{3}$		= 78.0"
140.0 to 190.0	1x1	$(30.0+20.0)$	3.75		= 187.50"
190.0 to 210.0	1x1	30.0	$\frac{3.75+4.0+3.75}{3}$		= 115.0"

Continuation

Total = 907.45
sqm

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					B.F = 907.45 sqm
210.0 to 340.0	4x1	30.0	3.75	-	= 450.0 "
	1x1	10.0	3.75	-	= 37.50 "
340.0 to 360.0	1x1	20.0	3.75 + 4.90 + 3.75		= 79.33 "
360.0 to 385.0					
	1x1	25.0	3.75 + 4.70 + 3.75		= 101.66 "
385.0 to 435.0	1x1	(30.0 + 20.0)	x 3.75	-	= 187.50 "
435.0 to 450.0	1x1	15.0	3.75 + 4.0 + 3.75		= 57.49 "
450.0 to 465.0	1x1	15.0	3.75	-	= 56.25 "
465.0 to 480.0	1x1	15.0	3.75 + 4.0 + 3.75		= 57.49 "
480.0 to 515.0	1x1	25.0	3.75	-	= 93.75 "
515.0 to 530.0	1x1	15.0	3.75 + 4.40 + 3.75		= 59.49 "
530.0 to 580.0	1x1	(30.0 + 20.0)	x 3.75		= 187.50 "
580.0 to 605.0	1x1	25.0	3.75 + 4.50 + 3.75		= 100.0 "
605.0 to 670.0	4x1	15.0	3.75	-	= 225.0 "
	1x1	10.0	3.75	-	= 37.50 "
670.0 to 685.0	1x1	10.0	3.75 + 5.20		= 44.75 "
	1x1	5.0	5.20 + 6.0		= 28.0 "
685.0 to 700.0	1x1	15.0	6.0 + 3.75		= 73.12 "
Link	1x1	7.0	6.0 + 3.75		= 34.12 "
	2x1	27.0	3.75	-	= 101.25 "
700.0 to 900.0	6x1	30.0	3.75	-	= 675.0 "
	1x1	20.0	3.75	-	= 75.0 "
900.0 to 910.0	1x1	Continuation	3.75 + 3.40		= 35.75 "
					Total = 3704.90
					= 368.65 sqm

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F =	3603.85 sqm
				Total =	3603.85
				(*)	3603.85 sqm
SO Adj = <i>af cr III</i>					$3603.85 \times 0.075 = 270.29$ Cum.
				TOT - f =	270.29 Cum
				Led to	269.95 Cum

Chd / 20-6-24 J.E

Item No (9) Providing & Applying Formwork.
Cost with Bottom Formwork (55-1)
Area vide above item
Cm III vide page No (3) & (5) = 3603.65 sqm
of * Murr = 3603.65 sqm
Total = 3603.65 sqm
Add to 3599.33 sqm

Item No (10) Providing & Applying Tack
Cost with Bottom Formwork (11-1) ---
Area vide this M.B
above item page No (5) = 3599.33 sqm
Total = 3599.33 sqm

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item No(11): Providing laying & Rolling of close graded premix surface ---					
Material of 20 mm ---					
Area vide this M.O					
Page No (5) of Tender					
Area					= 3599.33
					Total = 3599.33
					Sq.m

25/6/24
J.B.

Item No(15)	R.C.C M ₁₅ grade K.M Stone				
	order up K.M Stone				
	1x 2 No's				2 No's
					Total = 2 No's
Item No(16)	200 mm Stone				
	1x 4 No's				4 No's
					4 No's
Item No(17)	R.C.C M ₁₅ grade boundary pillars				
	Local sand ---				
	1x 18 No's				18 No's
					Total = 18 No's

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item No (18) painting Two coats including primer coat After filling the Surface - - -					
	3x2	6.0	0.40	-	= 14.40 sq
	3x2x2	6.0	0.60	-	= 43.20 "
	3x2x2	0.60	0.40	-	= 2.80 "
				Total =	60.48 sq
Item No (20) Providing & fixing of typical plaque informally signed - -					
	1x 3 No's				= 3 No's
				Total =	3 No's
Item No (22) Providing & fixing of Retro Reflectors as Conting Mandatory - - -					
(22) 600mm Circular.					
	1x 4 No's				= 4 No's
				Total =	4 No's
(23) 600mm Equilateral Triangle					
	1x 8 No's				= 8 No's
				Total =	8 No's
(24) 600mm x 450 Rectangular					
	1x 4 No's				= 4 No's
				Total =	4 No's
(25) 900mm Equilateral Octagon					
	1x 2 No's				= 2 No's
				Continuation Total =	2 No's

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
item No (26) providing and Laying of hot Applying Thermoplastic Comp.					
ob 910.0m	3x10	30.0	0.10	-	= 90.05sqm
	1x1	7.0	0.10	-	= 0.70 "
				total =	90.70sqm
for Both side =	2x	50.70sq			= 181.40sq
				total =	181.40sq

item No (6) Construction of Subgrade & earth shoulder - -					
60.0 to 685.0					
Adjoint of G.S.B. & Cur III	2x2x10	30.0	1.20 (M)	0.295	= 634.80
	2x1x1	15.0	1.20 (M)	0.295	= 40.62 "
685.0 to 908.0					
	2x1x7	30.0	1.20 (M)	0.295	= 248.68 "
	2x1x1	13.0	1.20 (M)	0.295	= 8.20 "
Ch. 50.0 to 685.0m					
Adjoint of G.S.B. & Cur III	2x2x10	30.0	1.35 (M)	0.295	= 477.90
	1x2x1	15.0	1.35 (M)	0.295	= 11.94 "
685.0 to 908.0	1x2x1	20.0	1.35 (M)	0.295	= 15.93 "

Continuation (0-505.77 Cum)

Particulars	Details of actual measurement				Contents of area
	* No.	L.	B.	D.	
<u>upto date material statement</u>					
(i) STONE METAL:-					1060.0 Cum
(ii) STONE CHIPS:-					190.0 Cum
(iii) STONE SCREENING:-					65.0 Cum
(iv) ^{Fine} Coarse SAND:-					314.0 Cum
(v) COARSE SAND:-					47.0 Cum
(vi) Bitumen Emulsion RS-1					
					→ 990.0 Kg
(vii) Bitumen Emulsion SS-1					→ 3060.0 Kg

(ix) Bitumen ~~SS-1~~ → 6292.0 Kg.

~~SS-1~~ vide H.P.C.L. Invoice No

1367467121000/65 dt 28/09/21

Qty. Bitumen - 6.31 M.T

RS-1 → 1.0 M.T

SS-1 → 3.2 M.T

(x) Work plastic - 547.0 Kg.

vide Invoice No SKH/21-22/02 dt 08/09/21

of Santosh Kumar Mandal p.p.m.

Qty = 560.0 Kg.

(xi) Earthwork - 5814.0 Cum.

AM
J.E.

Recd
28.1.22
A.G.

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4th and final Bill					
Name of Work:- Const of Road from					
1041 to Meghachadih.					
under Amas Block, Garo.					
Head:- MGSY (SC)					
Agreement No:- 48/SED/2020-21					
Name of Contractor:- Mac Shanti					
Construction At Village					
Sri Ram Righa, P.O + P.S -					
Cura, Garo.					
Date of Work start:- 30.06.2020					
Date of comp:- 29.06.2021					

Date of entry:- 07.02.2022

Actual date of comp:- 28.06.2021

Work done is Nil, measurement is Nil.

By
7/2/22
S.E.

Abstract of cost.

1/1 Const. of reference and

working bench marks.

St. No. 1710 item.

No. of P.M. = 0.541 km.

or 4746 = 92/km = 446624

2/2 Const. of reference

Pillars/Bungies.

Continuation

2/0-154466240

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B/P	—	04466	= 40
Sty. side TMB stem					
no 1 (GII) Pm 11				0.941 km	
CR 3124324/km				0.29402	= 40
3/3 Clearing & grubbing of road land					
Sty. side TMB stem					
no 2 Pm 11				0.659 Hect	
CR 51161 = 75/Hect				0.33716	= 40
4/4 Const of embankment with local crop m					
Sty. side TMB stem					
no 4 Pm 11				800.94 m ³	
CR 175 = 22/m ³				0.140341	= 40
5/5 Const of embankment with local crop m					
Sty. side TMB stem					
no 5 Pm 11				1868.86 m ³	
CR 1868.86 m ³					
CR 139 = 79/m ³				0.261245	= 40
6/6 Const of sub-grade & earth on shoulder					
Sty. side TMB stem					
no 6 Pm 12				3143.99 m ³	
CR 183 = 51/m ³				0.576954	= 40
CR 10				0.1019662	= 40

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	B/F			10.19	62.00
7/7 Const of granular subbase					
Sty. wide TMB item					
107 P m 12 = 817.96 m ²					
CM 180 = 0.3/m ² = 0.14,73,1702					
8/8 Providing W.B.M. Curbside III.					
Sty. wide TMB item					
108 P m 12 = 249.95 m ²					
CM 2679 = 48/m ² = 0.791,7062					
9/9 Providing & applying primer					
Coat with emulsion SS.					
Sty. wide TMB item					
109 P m 12 = 3599.33 m ²					
CM 44 = 85/m ² = 0.61,4302					
10/10 Providing & applying tack coat					
Sty. wide TMB item					
110 P m 12 = 3599.33 m ²					
CM 15 = 25/m ² = 0.54,8902					
11/11 Providing & applying 20mm					
Flux M.S.S.					
Sty. wide TMB item					
111 P m 13 = 3599.33 m ²					
CRS 187 = 0.2/m ² = 0.673,1472					
12/12 Providing & fixing K.F. 8kne.					
Sty. wide TMB item					
114 P m 13 = 2005					
CM 230 = 852/m ² = 0.46042					
CM 41,08,6092					

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		BIF		41.08	60970
13/16 Providing & fixing 20mm stone (breast)					
		Qty. Vol. TMB item			
14/17 Providing & fixing boundary pillar					
		Qty. Vol. TMB item			
		m16 PM13 = 4 nos.			
		EM 616 = 23 each			152465.20
15/18 Painting two coats in red					
		Concrete surface			
		Qty. Vol. TMB item			
		m18 PM13 = 60.48 m ²			
		EM 97 = 18/m ²			105877.00
16/20 Providing & fixing MHCSY interlocking barrel					
		Qty. Vol. TMB item			
		m20 PM13 = 3 nos.			
		EM 5457 = 30 each			158372.00
17/22 Providing & fixing traffic signs					
18/22 600mm dia circular					
		Qty. Vol. TMB item			
		m22 PM14 = 4 nos.			
		EM 4801 = 60 each			119206.00

Continuation
2/10-13 41,73,69620

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B/F	—		24173.696 = m
19/23 60mm equilateral triangle					
Qty. vide TMB item					
no 23 P.M.U. = 8 nos.					
QMS 3575 = 93 each					1528.607 = m
20/24 600mm x 450mm rectangular					
Qty. vide TMB item					
no 24 P.M.U. = 4 nos.					
QMS 4667 = 11 each					1518.669 = m
21/25 900mm side octagon					
Qty. vide TMB item					
no 25 P.M.U. = 2 nos.					
QMS 8357 = 88 each					1516716 = m
22/26 Providing & applying 48 that applied thermoplastic compounds					
Qty. vide TMB item					
no 26 P.M.U. = 181.40 m ²					
QMS 736 = 60/m ²					15133510 = m
23/27 E/W in excavation in foundation for str					
Qty. vide TMB item					
no 27 P.M.U. = 87.34 m ³					
QMS 284 = 73/m ³					1525742 = m

Continuation 2/8 K 43,96,940 = m

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B/F			134396.9402 ⁰⁰
24/28 Providing P.C.C. M15 grade					
in open trench					
Qty. made TMB item					
no 29 P.M.S = 7.93 m ³					
C.D 4351 = 91/m ³ - 134511 ⁰⁰					
25/29 Providing P.C.C. M20 grade					
in open trench					
Qty. made TMB item					
no 29 P.M.S = 56.44 m ³					
C.D 4594 = 66/m ³ - 1359323 ⁰⁰					
26/30 Providing P.C.C. M20 grade					
in sub-str					
Qty. made TMB item					
no 30 P.M.S = 39.12 m ³					
C.D 5021 = 44/m ³ - 15196439 ⁰⁰					
27/32 Providing & Laying 100 mm					
dia 100 mm pipe					
Qty. made TMB item					
no 31 P.M.S = 22.50 m					
C.D 3693 = 23/m - 1830982 ⁰⁰					
28/33 Providing & Laying 75 mm					
dia 75 mm pipe					
Qty. made TMB item					
no 32 P.M.S = 40.00 m					
C.D 746239/m - 129856 ⁰⁰					
					C.D 1050,00,167 ⁰⁰

Continuation

29/34 Branching sand filling in
founder trenches

Continuation