

MMGSY, Lo41 to Meghnadik (S.C)

Ag. No:- 4858D/2020-21 (Ag. Vol. 71.5838464)

Schedule XIV-Form No. 134

(0.0%)
(belau)

(30.06.20 to 29.06.21)

Shengkhah

DIVISION

Aras

SUB-DIVISION

Agency:- M/s Ma Shanti Construction

MEASUREMENT BOOK

MBno- 1182

Certified this MB is Contain 01
to 100 Pages Print by Machine only.
This MB issued to A.E. RWD(W) Sub
div. Amas


Executive Engineer
RWD, Works Division
Sherghati
10/6/20

Sch. XLV - Form No. 134

Sherghati DIVISION
AMAS SUB-DIVISION

Measurement Book

Dt of Work Start:- 30.06.2020

Dt of Work Comp:- 29.06.2021

No. 1182

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 measurement relating to each work)

(These four lines should be filled up with details of the measurement relating to each work)					
Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>1st R/Measurement</u>					
Name of the work: Const of Road to C/D block from 1041 to Meghmalh under Armas block					
Agreement No: 48/SBD/2020-21					
Agency: Smit/Kar Chaurua. Maa Santsi Construction, Gurua					
dt of Comm: - 30-06-2020					
dt of Comp: - 29-06-2021					
dt of entry: - 24-01-2020, 16-2-2021, 10-3-2021					
x x					
<u>Measurement as below:</u>					
it-16 (1) Cost of Benchmark & Reference pillars as per specification:-:-					
(i) Cost. of Reference & Working B.M					
1x 0.941 KM — = 0.941 KM					
Total = 0.941 KM					
(ii) Cost of Reference pillars/Burjes:-:-					
1x 0.941 KM — = 0.941 KM					
Total = 0.941 KM					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Item No (2)</u> <u>Cleaning & grubbing Road and including approach...</u>					
<u>0 to 170.0m</u>					
	5x1	30.0	7.0 (Av.)	-	= 1050.0 Sq.
	1x1	20.0	7.0 (Av.)	-	= 140.0 "
<u>170.0 to 940.0</u>					
	10x2	30.0	7.0 (Av.)	-	= 4200.0 "
	4x1	30.0	7.0 (Av.)	-	= 840.0 "
	1x1	10.0	7.0 (Av.)	-	= 70.0 "
<u>940 to 990</u>	1x1	30.0	7.0 + 6.0	-	= 195.0 "
	1x1	17.0	6.0 + 5.40	-	= 96.90 "
					<u>Total: 6591.90 Sqm</u>

Sq 0.659 Hc.

C/D Work

<u>Item No (1)</u> <u>E/w in excavat. of fudahn..</u>					
	3x2	6.30	1.40	1.50	= 29.38 Cum
	3x1	5.90	1.50	0.30	= 7.96 "
					<u>Total: 87.34 Cum</u>

Sub
24.1.2020
J.E

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
it-16 (11) Construction of embankment					
Approved Material obtained from					
Source pit - - -					
(As per graph)					
Change	C/S	ARC/S	-	Depth	Qty
0	0	-		-	-
50	0	0		50	0.0
100	0	0		50	0.0
150	0	0		50	0.0
200	3.38	1.69		50	84.50 cum
250	3.42	3.40		50	170.0 ..
300	3.16	3.29		50	164.50 ..
350	3.22	3.19		50	159.50 ..
400	3.30	3.26		50	163.0 ..
450	3.24	3.27		50	163.50 ..
500	3.38	3.31		50	165.50 ..
550	3.42	3.40		50	170.0 ..
600.0	3.35	3.385		50	169.25 ..
650.0	3.38	3.365		50	168.25 ..
700.0	3.42	3.40		50	170.0 ..
750.0	3.68	3.55		50	177.50 ..
800.0	3.72	3.70		50	185.0 ..
850.0	3.84	3.78		50	189.0 ..
900.0	3.96	3.90		50	195.0 ..
947.0	3.50	3.73		47	175.31 ..
			C.O Total =		2669.81 cum

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				BF =	2669.81 Cu
				704 =	2669.81 Cu
(a) for 1000.0 m Ld					
				30% of 2669.81 Cu =	800.94 Cu
				704 =	800.94 Cu
(b) for 1000.0 m Ld					
				70% of 2669.81 Cu =	1868.86 Cu
				704 =	1868.86 Cu
J.E. 15-2-2021 J.E.					

Item (5) Laying Cement Concrete pipe NP ₃					
on first class bedding . . .					
		2x3	2.50		= 15.0 Rm.
		2x4	2.50		= 20.0 Rm.
				704 =	35.0 Rm.

C/D Ld					
Item (2) Primed Concrete for plain/reinforced . . .					
		Levelly (area 3x2)	6.30	1.40	0.15 = 7.93 Cu
				704 =	7.93 Cu

Item (3) Primed Concrete for plain/reinforced					
Concrete in open for Ld					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Dr. F/1/1/1/1 - 2x2	6.0	1.25+0.80	2	1.35	= 49.81 cm
Self-spike - 2x1	5.90	1.50	0.25		= 6.63 "
				Total =	56.44 cm
if No (13) Construction of subgrade beneath					
Shoulders with approved H.A. comp.					
0 to 170.0	5x1	30.0	6.50	0.30	= 292.50 cm
	1x1	20.0	6.50+7.0+7.50		
			3	0.30	= 42.0 "
170.0 to 900.0	10x2	30.0	8.0	0.30	= 1440.0 "
	4x1	30.0	8.0	0.30	= 288.0 "
	1x1	10.0	8.0 (1/4)	0.30	= 24.0 "
900 to 997.0	1x1	30.0	8.0+6.80	2	0.30 = 66.60 "
	1x1	17.0	6.80	0.30	= 34.68 "
				Total =	2187.78 cm
C/D 10-3-2021					
J.E					
C/D 10/1/1/1					
if No (5) Dr. F/1/1/1/1 first class beddy in					
Well Compacted Sand for Culvert.					
(32) 1000 mmd	3x1	3x	2.50		= 22.50 cm
				Total =	22.50 cm

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item 16(A) Plain/Reinforced Cement Concrete					
in Substructure - - -					
R/Wall - 2x1 6.0					
3x2 6.0			0.67	0.90	$\frac{0.67 \times 0.90}{2} \times 180 = 34.66 \text{ cu}$
3x2 6.0			0.40	0.60	$= 8.64 \text{ ..}$
ded for pipe - 3x2 x $\frac{3.14}{4} \times (1.2)^2 \times 0.60 = 1.406 \text{ ..}$					
					$\text{Total} = 39.24 \text{ cu}$
Item 16(B) Laying first class bedding in					
well graded sand - - -					
Item 16(7) Pilling in foundation trench					
4 per down - - -					
free wall 3x2 x 6.0			0.405	1.0	$= 14.58 \text{ cu}$
Round pipe 3x1 6.30			1.50	0.90	$= 25.51 \text{ ..}$
ded for pipe 3x1 6.30			1.0	0.90	$= 1.1701 \text{ ..}$
					$\text{Total} = 23.08 \text{ cu}$
Item 16(18) Construction of Granular Subbase					
by providing well graded Material...					
3x10 30.0			4.05	0.20	$= 729.0 \text{ cu}$
					$\text{Total} = 729.0 \text{ cu}$
15.3.2021					
J.E					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Madani Statant:</u>					
(i) Earth: —					4858.0 Cum.
(ii) STONE Met P: —					654.0 Cum.
(iii) STONE Local Sand: —					280.0 Cum.
(iv) STONE CH/PS: —					94.0 Cum.
(v) Fine Sand: —					47.0 Cum.

C. 15/3/2021

J.E

Allotment Received from BRRDA

vide letter No 80 dt 5.6.21

to 175985920

ABSTRACT OF COST

Item No (1) Construction of Bench Mark

Qty vide the M.B. page (1)

(i) Cost of Reference W.P. BM
 $0.941 \text{ km} @ \text{Rs } 4746.92/\text{km} = \text{Rs } 4466 \approx$
 $0.941 \text{ km} @ \text{Rs } 4763.02/\text{km} = \text{Rs } 4482 \approx$

(ii) Cost of Reference pillars...

 $0.941 \text{ km} @ \text{Rs } 3124.24/\text{km} = \text{Rs } 2940 \approx$

Item (2) Churn & grubbing of land

Land in cluddy - - -

Qty vide the M.B. page (2)

 $0.659 \text{ MC} @ \text{Rs } 5116.75/\text{MC} = \text{Rs } 33716 \approx$

C. 0.841138 = 0

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item No (1) Provisional fixing of top of 1st masonry					
Logoband					2 No's
1st masonry	1x	2 No's			2 No's
band				10 ft	

Material statement:

(i)	Stone detail -	350.0 Cum
(ii)	Stone screening -	64.0 Cum
(iii)	Local sand -	14.0 Cum

Chd
14-6-21

J.E

ABSTRACT OF COST

Item No (1) Construction of Bench Mark

Qty vide this H.B page No (7)

(i) Cost of Reference fixing B.M.

$$0.941 \text{ K.H. @ } Rs 4746.92 / \text{K.H.} = Rs 4466 = 00$$

(ii) Cost of Reference pillars

$$0.941 \text{ K.H. @ } Rs 3124.24 / \text{K.H.} = Rs 2940 = 00$$

Item No (2) Clearing & grubbing of land

Land including

Qty vide this H.B page No (7)

$$0.659 \text{ H.C. @ } Rs 5116.75 / \text{H.C.} = Rs 33716 = 00$$

$$1.0 / Rs 41138 = 00$$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					B.F. = Rs 41138 = 0
Item 16(11) Construction of embankment					
with approved soil... lead upto 100m					
Qty vide the M.B. page 15(8)					
810.94 Cum @ Rs 175.22/Cum - Rs 1,40,341					= 0
Item 16(12) Construction of embankment					
with approved soil... lead upto 100m					
Qty vide the M.B. page 16(8)					
1868.86 Cum @ Rs 139.79/Cum - Rs 2,61,245					= 0
Item 16(13) Construction of subgrade					
& earthen shoulders					
Qty vide the M.B. page 16(8)					
2187.78 Cum @ Rs 183.51/Cum - Rs 4,01,480 = 0					
Item 16(14) Construction of Granular					
Sub base by providing well graded.					
729.0 Cum Qty vide the M.B. page 14(8)					
33.21 Cum do (12)					
762.21 Cum @ Rs 1801.03/Cum - Rs 13,72,763					= 0
Item 16(20) Providing layer spread of					
Compaction stone metal gravel					
Qty vide the M.B. page 12(12)					
264.64 Cum @ Rs 2673.98/Cum - Rs 7,07,510 = 0					

C.O. Rs 29,24,477 = 0

Continuation

2924461

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					B.F. Rs 2924477 = 0
Item No (33) Laying Cement Concrete					
NP ₃ in first class --- 30mm dia					
Qty vide this M.B. pr. No (8)					
35.0 Rm @ Rs 746.39/Rm					Rs 26124 = 0
CFD Work					
Item No (27) E/H in excavation first.					
Qty vide this M.B. pr. No (9)					
87.34 Cum @ Rs 294.73/Cum					Rs 25742 = 0
Item No (28) Providing Concrete for plain					
Reinforced Concrete in found ..					
Qty vide this M.B. pr. No (9)					
56.44 Cum @ Rs 4594.66/Cum					Rs 259323 = 0
7.93 Cum @ Rs 4351.91/Cum					Rs 34511 = 0
Item No (29) Providing Concrete for plain					
Reinforced in foundation ..					
Qty vide this M.B. pr. No (9)					
56.44 Cum @ Rs 4594.66/Cum					Rs 259323 = 0
Item No (30) Plain/Reinforced cement					
Concrete in substructure complete					
Qty vide this M.B. pr. No (9)					
39.12 Cum @ Rs 5021.44/Cum					Rs 196439 = 0

Continuation C.O.B. 3466616 = 0
3466600

3466.600

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					B.F. = Rs 3466.600
Item 16(31) providing laying R.C.C.					
Pipe 1/2" for Culverts ... 1000 nos.					
Qty vide the M.B. page 16(9)					
22.30 Rm @ Rs 3693.23 / Rm = Rs 83098.00					
Item 16(34) filling in foundation					
Taken up as per drawing and					
Technical ...					
Qty vide the M.B. page 16(10)					
22.92 cum @ Rs 478.11 / cum = Rs 10958.00					

Item 16(20) providing fixing of 4" steel					
0.9144 m ...					
Qty vide the M.B. page 16(13)					
2 Nos @ Rs 9457.30 / each = Rs 18915.00					
					35795.71
					Total: Rs 35795.71
					465344
Add 1 x L.C.E.U. L12 x 6.5 T (H) 465346					
					465346
					4044933
					4044933
Less: 1211.00					2285074
ded previous page					1759859
					4. Total: Rs 1759859
					2285074
					2285056

Chd
18.6.21

Accd
27.10.21

2285056

J.E

Chd

Continuation

29/10/21

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>2nd m APC Measurement</u>					
<u>Name of the Work: Const. of Road</u>					
<u>& C/D Work from LO 41 to</u>					
<u>Meghnadih under Amas</u>					
<u>block</u>					
<u>Agreement No: 48/SRD/2020-21</u>					
<u>Agency: Maa Santi Construction</u>					
<u>Gurua</u>					
<u>dt of Comm: 30-06-2020</u>					
<u>dt of Comp: 29-06-2021</u>					
<u>dt of enty: 16-06-2020 18-6-21</u>					

<u>Measurement is below:</u>					
<u>Item 16(1) Construction of Granular Sub</u>					
<u>base by providing Well graded. . .</u>					
1x1	30.0	4.05	0.20	=	24.30 Cum
1x1	11.0	4.05	0.20	=	8.91 Cum
<u>Total=</u>					<u>33.21 Cum</u>

<u>Item 16(2) Providing Laying spreading</u>					
<u>& Compacting Stone Metaphorite. . .</u>					
3x10	30.0	3.75	0.075	=	253.12 Cum
1x1	30.0	3.75	0.075	=	8.43 ..
1x1	11.0	3.75	0.075	=	3.09 ..
<u>Total=</u>					<u>264.64 Cum</u>

Chd
16-6-21
J.E

Continuation

Accepted
27-10-21

13

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
item 16 (20)	Provide & fix up of typical 19/19/65y				
Logoband	Infinitely 8/8/65y				
Stitcher	1x	2 No's			2 No's
band				10 ft	2 No's

Material Statement:

(i) Stone Metal - 350.0 Cum

(ii) Stone screening - 64.0 Cum

(iii) Local Sand - 14.0 Cum

Chd
16-6-21

J.E