

Name of work:- To 1 to Misirbigha - 0533Km
MMSY (SC)

Schedule XLV-Form No. 134

Ag. NO - 28 SBD/2020-2021
Shengrahi

Name of Agency - Sonu Kumar DIVISION

Areas

SUB-DIVISION

1198

MEASUREMENT BOOK

Certified that this M.B. Contains
01 to 100 machine printed pages this
M.B. is issued in favour of Sri
Bhuteshwar Singh A.E R.W.D. Works
Sub-Division Amas


Executive Engineer
R.W.D (W) Division
Sherghati

12/7/2020

Sch. XLV-Form No. 134

Sherghati DIVISION
AMAS SUB-DIVISION

Measurement Book

No. 1198

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.	
1st on Record Measurement					
Name of the Work: Const. of Road from Tol to Mishirbigha under MMUP					
Agency: Sonu Kumar.					
Agreement No: - 28/SBD/2020-21					
dt of Comm: - 19-06-2020					
dt of Comp: - 18-02-2021					
dt of entry: - 25-7-2020					
x					
Measurement as below:					
Item No 4i) Construction of bench Mark & Reference pillars - - -					
1x 0.389 Km ² = 0.389 Km ²					
Total = 0.389 Km ²					
4ii) Construction of Reference pth/Burjes					
1x 0.384 Km ² = 0.384 Km ²					
Total = 0.384 Km ²					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item 16(2) clearing & grubbing Red land including uprooting weeds - - - -					
0 to 300.0m	10x1	30.0	7.0	-	= 2100.0
300 to 315.0	1x1	15.0x	4.40 + 3.30 + 4.60	3	= 61.50
315.0 to 365.0	1x1	30.0	4.60 + 6.0	2	= 159.0
	1x1	20.0	6.0 + 4.0	2	= 100.0
365.0 to 389.0	1x1	24.0	3.30 + 3.60	2	= 82.80
					Total: 2503.30

C.D. 25.7 m					
J.E					
Item 16(3) Construction of embankment with					
Approved Material - - -					
(As per g.m.b.)					
Change	C/S	A/C/S	-	Length	Qty
0	2.92	-		0	0
50.0	3.06	2.99	-	50.0	149.50 Cum
100.0	2.82	2.94		50.0	147.0 "
150.0	2.96	2.89		50.0	144.50 "
200.0	3.04	3.0		50.0	150.0 "
250.0	3.14	3.09		50.0	154.50 "
300.0	2.92	3.03		50.0	151.50 "

Continuation

C.O - 897.0 Cum

Particulars	Details of measurement				Contents
	C/S	A/C/S	B.	Depth	
<i>Chase</i>					<i>Qty</i>
					B.F. = 897.0 Cum
350.0	0	1.46		50.0	73.0 "
400.0	0	0		50.0	0.0 "
					Tot. = 970.0 Cum

50. Qty for 1000.0m (cont)

① ~~200~~ Qty = $920.0 \text{ Cum} \times 0.30 = 291.0 \text{ Cum}$

Total = 291.0 Cum

② for 100.0m (cont)

Qty = $970.0 \text{ Cum} \times 0.20 = 679.0 \text{ Cum}$

Tot. = 679.0 Cum

Column

item No (1) Earthwork in excavation of
Foundation of Structures - - -

F/Hall - 2x1 6.30 1.40 1.50 = 26.46 Cum

Pipe pit. 1x1 5.90 1.50 0.30 = 2.65 "

Tot. = 29.11 Cum

item No (2) provide concrete for plan/Ref.

Cement concrete - - -

2x1 6.30 1.40 0.15 = 2.64 Cum

Tot. = 2.64 Cum

Civil
2E
09-8-2020

item No (3) Supply of st. chys (cont) concrete N/B

300mm dia continuation

3x3x2.5

22.50 Cum

Tot. = 22.50 Cum

Let to 20.00 Cum

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Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
Item 16(3) Priming Concrete for Plain/Reinforced Cement Concrete in open foundation...					
Foundation - 2x1	6.0	$\frac{1.05+0.80}{2}$	$\times 1.25$		$= 16.60 \text{ cu}$
Bed plate 1x1	5.90	1.50	0.25		$= 2.21 \text{ "}$
					Total = 18.81 cu
Item 16(4) Plain Priming & by 7 IS: 4000					
Cement Concrete 4:1:6 on foot (this bedding of granular) - - [B] 1000mm dia pipe - -					
Box 2.50m					$= 7.50 \text{ Run}$
					Total = 7.50 Run

Item 16(18) Construction of granular Sub base by Priming. . . .					
0 to 300.0					
	1x1	18.0	3.75	0.10	$= 6.75 \text{ Cum}$
both side	9x2	30.0	0.38	0.10	$= 20.52 \text{ "}$
- do -	1x2	12.0	0.38	0.10	$= 0.91 \text{ "}$
300.0 to 315.0	1x1	15.0	$\frac{3.45+2.40+3.75}{3}$		$\times 0.10 = 4.80 \text{ "}$
315.0 to 330.0	1x1	15.0	$\frac{3.75+3.90}{2}$		$\times 0.10 = 5.73 \text{ "}$
330.0 to 365.0	1x1	30.0	3.90		$\times 0.10 = 11.70 \text{ "}$
	1x1	5.0	$\frac{3.90+3.30}{2}$		$\times 0.10 = 1.80 \text{ "}$
365.0 to 389.0	1x1	24.0	$\frac{2.50+2.90}{2}$		$\times 0.10 = 6.48 \text{ "}$

Continuation Total = 58.69 cum

upto 25.8.2020
S.E.

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item No (20) provide 4 long spreader & Comp. by steel mesh or III					
0 to 300.0	1x1	18.0	3.75	0.075	= 5.06 cm
both side in box	9x2	30.0	0.375	0.075	= 15.18 "
	1x2	12.0	0.375	0.075	= 0.675 "
300 to 315.0	1x1	15.0	$\frac{3.45 + 2.40 + 3.75}{3}$	$\times 0.075$	= 3.60 "
315.0 to 330.0	1x1	15.0	$\frac{3.75 + 3.90}{2}$	$\times 0.075$	= 4.30 "
330.0 to 365.0	1x1	30.0	3.90	0.075	= 8.22 "
	1x1	5.0	$\frac{3.90 + 3.30}{2}$	$\times 0.075$	= 1.35 "
365.0 to 389.0	1x1	24.0	$\frac{2.50 + 2.40}{2}$	$\times 0.075$	= 4.41 "
Total =					43.34 cm
<u>IN DRAIN WORK</u>					
Item (21) provide supplying fitting & placing HYSD bar Reinforcement with 8 mm dia. Ring					
@ 150 mm C/C	1x6/2	1.55	$\times 0.39$	kg/m	= 369.95 kg
	1x1/6	1.60	$\times 0.39$	kg/m	= 45.86 "
	1x2/8	1.65	$\times 0.39$	kg/m	= 178.89 "

Continuation

C.O-T 594.701 kg

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
10mm J dalt	4x10	30.0	0.62	ly/m	744.0..
- do -	1x10	5.0	0.62	ly/m	31.0..
	1x10	22.50	0.62	ly/m	139.50..
drain cover	4x4	30.0	0.62	ly/m	297.60..
	1x4	5.0	0.62	ly/m	12.40..
	1x4	22.50	0.62	ly/m	55.80..
Main hr	1x728	0.85	0.62	ly/m	293.38
	1x278	0.65	0.62	kg/m	11203..
					Totl = 2280.41 kg
					Sy 2.28 M.T

item No (1)	providing & fixing typical				
	M.M.H.S.Y Informative sign board				
	Logo board & Citizens Information board				
	1x2	No's			2 No's
					Totl = 2 No's
item No (2)	Construction of unconfined cement				
	Concrete				
0 to 300.0	10x1	30.0	3.75	0.16	= 180.0 cum
300 to 315.0	1x1	15.0	3.45+2.40+3.75		
			3	x 0.16	= 7.68..
315.0 to 330.0	1x1	15.0	3.75+3.90	x 0.16	= 9.18..
330.0 to 365.0	1x1	30.0	3.90	0.16	= 18.72
	1x1	5.0	3.90+3.30	x 0.16	= 2.88..

Continuation

Totl (C.O) = 218.46 cum

ABSTRACT OF COST

$$C.O - 15975 = 0$$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					$bf = R/15975 =$
Item No (1) Construction of embankment with Approved... up to 100.0 m/len					
Qty vide the M.B pyc No (2) & (3)					
291.0 cum @ Rs 175.22/cum					$R/50989 =$
Item No (2) Construction of embankment with Approved... up to 100.0 m/len					
Qty vide the M.B pyc No (2) & (3)					
697.0 Cum @ Rs 139.79/cum					$R/94917 =$
679.0					
Item No (8) Construction of granular sub base by providing well graded... Qty vide the M.B pyc No (4)					
58.69 cum @ Rs 1822.76/cum					$R/106978 =$
Item No (9) Provide dipping spreading & compaction stone aggregates with... Qty vide the M.B pyc No (5)					
43.34 cum @ Rs 2766.62/cum					$R/119905 =$
Item No (20) Const. of unreinforced doweled jointed at expansion... Qty vide the M.B pyc No (6) & (7)					
227.87 cum @ Rs 5535.05/cum					$R/1261272 =$

Continuation

C.O.Rs 16,50,036.20

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Drain Work					B.F. = 16,50,036 = ∞
item No (1) provide Carrel for plan					
(iv) R.C.C grade 420					
Qty vide the M.B p/n No (8)					
46.02 Cum @ Rs 5142.60/Cum					Rs 2,52,064 = ∞
item (2) Supplying fitting & placing					
HYSD bar Reinforcement - - -					
Qty vide the M.B p/n No (9) 46					
2.28 M.T @ Rs 49,967.84/M.T					Rs 1,13,927 = ∞
item (5) Laying Cement Carrel p/n					
for about - - - 30 m dia					
Qty vide the M.B p/n No (3)					
20.0 RM @ Rs 755.33/RM					Rs 15,107 = ∞
ROAD FURNITURE					
item (1) provide & fixing typical					
M.H. 457 Informative sign board - - -					
Qty vide the M.B p/n No (6)					
2 Nos @ Rs 9497.93/each					Rs 18,996 = ∞
item (1) Earthwork in excavation					
of foundation - - -					
Qty vide the M.B p/n No (3)					
29.11 Cum @ Rs 294.73/Cum					Rs 8,580 = ∞

Continuation

C.O.Rs 20,58,710 = ∞

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item No (2) ^{B.F. No 20587/0 = ∞} Boundary Concrete for plain.. in open ^{P.C.C. 15} Qty vide this M.B. No (3)					
2.64 Cum @ Rs 4432.90/Cum - Rs 11703 = ∞					
Item No (3) Boundary Concrete for plain. Reinforced Concrete in open..... P.C.C. Grade M20 Qty vide this M.B. No (4)					
18.81 Cum @ Rs 4675.04/Cum - Rs 87937 = ∞					
Item No (4) partly plain/Reinforced Cement Concrete in open Sub St..... P.C.C. M20 Qty vide this M.B. No (7)					
12.98 Cum @ Rs 5101.82/Cum - Rs 63670 = ∞					
Item No (5) Boundary & Laying ISI Mark Cement Concrete pipe Np3 on - .. (ii) 1000mm dia - .. Qty vide this M.B. No (4)					
7.50 Rm @ Rs 3745.73/Rm - Rs 28093 = ∞					

Continuation

C.O. No 2250/13 = ∞

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					B.F. Rs 2250113 = ∞
Item (B) filling in sand and trench					
By Mr. ...					
Qty in the ...					Rs 7
6.74 Cum @ Rs 478.11/Cum					Rs 3222 = ∞
					Total = Rs 22,53,335 = ∞
Add 1 Y. L. ...					
					(+) 292984 = ∞
					Rs 25,46,269 = ∞

Clud
05-11-2020

J.E