

ARIYAG TOLA SADHU SI MATH

PASU PUL

MUSAHRI ANGHANBADIKENDRA (MMGISY-NDB)

Schedule XLV-Form No.-134

E.E.R.W.D. WORKS DIVISION DIVISION Patna

FATUHA SUB-DIVISION

MEASUREMENT BOOK

~~7697~~

MB NO - 7707

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.	
	1st				
Name of work - Construction & five year maintenance of Road from Ariyag Tola Sadhu Ji Ke Math (MMSY: NDB-BRRP-693-Patna) under MMSY, NDB.					
Agency: - Lalnandan Construction, Prop:- krishnakant Singh, Village- Musma, P.O. Kajtra Sirt,					
P.S. - Grah, Distt. Aurangabad, Bihar.					
Agreement No- 05/SBI/24-25					
Rate Approved- 0.14% Below					
Date of commencement - 13/7/24					
Date of completion - 18/4/25					
Date of measurement - 11/10/2024					
Work done					
Item ① Setting out work comp. with construction of bench mark - - etc.					
1 m x 0.55 km = 0.55 km.					

Continuation



Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item (5) Construction of embankment with approved materials deposited at site from road way cutting					
do do do do					
Earthwork calculation sheet etc. (As per D.P.R.)					31.12 m ³
Item (6) Construction of embankment with approved material obtained from b.r.					
do do do do					
Earthwork calculation given below as per chart:					
S/N	CH	Area	mean Area	Distance	Volume
	(m)	(m ²)	(m ²)	(m)	(m ³)
1	0	1.905			
2	50	1.073	1.489	50	74.450 m ³
3	100	0.998	1.001	50	50.025 "
5	150	0.105	2.027	50	101.325 "
6	200	2.016	3.071	50	153.525 "
7	250	3.045	3.031	50	151.525 "
9	300	2.996	3.031	50	151.025 "
10	350	3.085	3.041	50	152.025 "

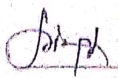
Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
S/no	CH	Area	Area	Dist	Vol/area
	(M)	(M ²)	(M ²)	(M)	(M ³)
11	400	2.793	2.939	50	146.950 m ³
12	450	3.001	2.897	50	144.850 "
13	500	2.923	2.962	50	148.100 "
14	550	2.721	2.882	50	141.100 "
			Total	Qty.	1414.900 m ³
			E/W Qty (LAY) = 1414.90 m ³		
			Lead 100m - 80% = 1131.920 m ³		
			Lead 1000m - 90% = 282.980 m ³		

Item (7)	Sand filling in Cor- dation trench etc.			
	1410	30.00	5.50	0.100 = 165.00 m ³
	1x8	30.00	5.50	0.100 = 132.00 "
	1x1	10.00	5.50	0.100 = 5.50 "
				302.50 m ³

Item (8)	Construction of Sub grade & then show - 1 of it - do - do - etc			
	2x10	30.00	0.875	0.335 = 175.88 m ³
	2x8	30.00	0.875	0.335 = 140.70 "
	2x1	10.00	0.875	0.335 = 5.86 "
				322.44 m ³

Continuation


 27.09.24
 J.E.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item (9) Construction of Bell- grade & on G.S.D. by Prov. well graded material grading - I -- do -- do -- do -- etc.					
$1 \times 30.00 \times 5.5 + 3.75 \times 0.100 =$					13.875 m ³
$7 \times 30.00 \times 3.75 + 0.100 =$					78.75 "
$1 \times 15.00 \times 3.75 + 4.25 \times 0.100 =$					6.00 "
$1 \times 15.00 \times 4.25 + 3.75 \times 0.100 =$					6.00 "
$5 \times 30.00 \times 3.75 + 0.100 =$					56.25 "
$1 \times 15.00 \times 3.75 + 4.25 \times 0.100 =$					6.00 "
$1 \times 15.00 \times 4.25 + 3.75 \times 0.100 =$					6.00 "
$1 \times 30.00 \times 3.75 \times 0.100 =$					11.25 "
$1 \times 15.00 \times 3.75 + 4.25 \times 0.100 =$					6.00 "
$1 \times 15.00 \times 4.25 + 3.75 \times 0.100 =$					6.00 "
$1 \times 30.00 \times 3.75 \times 0.100 =$					11.25 "
$1 \times 10.00 \times 3.75 + 5.00 \times 0.100 =$					4.375 "
For Bell mark					
$1 \times 11.00 \times 3.125 \times 0.100 =$					3.44 "
					215.19 m ³
					Limitto 215.07 m ³

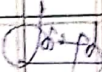
Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item (10) Prov. Laying, spreading & compacting stone aggregate of specific types to WPM Gr. M. old etc.					
	1	30.00	5.50	3.75	0.075 = 10.41 m ³
	7	30.00	3.75	0.075 = 59.06 "	
	1	15.00	3.75	4.25	0.075 = 4.50 "
	1	15.00	4.25	3.75	0.075 = 4.50 "
	5	30.00	3.75	0.075 = 42.19 "	
	1	15.00	3.75	4.25	0.075 = 4.50 "
	1	15.00	4.25	3.75	0.075 = 4.50 "
	1	30.00	3.75	0.075 = 8.44 "	
	1	15.00	3.75	4.25	0.075 = 4.50 "
	1	15.00	4.25	3.75	0.075 = 4.50 "
	1	30.00	3.75	0.075 = 8.44 "	
	1	10.00	3.75	5.00	0.075 = 3.28 "
For Bell mouth					
	1	11.00	3.125	0.075 = 2.58 "	
					161.40 m ³
checked					161.30 m ³
Item (11) Prov. Laying of hydraulic masonry in form of sign board with "logo" etc.					
					24 = 2.00 nos.

Continuation

2017 XFL-2017 MC 139



Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
material statement					
(I) Earth	—				1737.34m ³
(II) 9.5 to 9.5mm	—				129.04m ³
(III) 9.5mm to 2.36mm	—				51.617m ³
(IV) 2.36mm below (course sand)	—				77.425m ³
(V) 9.5 to 22.4mm	—				145.173m ³
(VI) Stone screening type B 1.2mm	—				38.712m ³
(VII) Fine sand	—				366.60m ³
 11.10.24 J.E					

Sizing Fee					10.70
(I) Earth	1737.34m ³	—	—	—	
10% of 1737.34 = 251m ³	—	12	6124=00		
(II) 6.5mm	215.07m ³	—	—	—	
10% of 215.07 = 21.5m ³	—	12	16293=00		
(III) 1.2mm	161.30m ³	—	—	—	
10% of 161.30 = 16.13m ³	—	12	23134=00		
(IV) 1.5mm	2.90m ³	—	—	—	
10% of 2.90 = 0.29m ³	—	12	475=00		
(V) 1.5mm	18.21m ³	—	—	—	
10% of 18.21 = 1.82m ³	—	12	2216=00		
(VI) Sand filling	305.50m ³	—	—	—	
10% of 305.50 = 30.55m ³	—	12	5307=00		
		12	53529=00		

Continuation
H.10.24
J.E.

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				136g	24076=00
(6) Construction of embankment with material obtained from borrow pits with a lead up to 100m					
-- do -- do -- do -- etc.					
1131.920 m ³ wide T.M.B.P. (4)					
at 217=221 m ³ -- 12					245876=00
(7) with a lead up to 100m.					
232.980 m ³ wide T.M.B.P. (4)					
at 267=281 m ³ -- 12					75805=00
(8) Sand filling in foundation trenches -- do -- etc.					
302.50 m ³ wide T.M.B.P. (4)					
at 578=671 m ³ -- 12					175048=00
(9) Construction of sub-grade & earthwork for -- do -- do -- etc.					
382.44 m ³ wide T.M.B.P. (4)					
at 271=421 m ³ -- 12					27517=00
(10) Construction of C.S.B. by Prov. well graded material & B -- do -- etc.					
215.07 m ³ wide T.M.B.P. (5)					
at 308=241 m ³ -- 12					646554=00
				125g	1254876=00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				BFLs	1254876=00
(11)	Prov. laying, spreading & compacting stone agg. - regular of specific sizes to W.P.M.G.T.M. - do - etc.				
	161.30 m ³ wide T.M.B.F. - (6)				
	els 4328-05/m ³ - Rs				698114=00
(12)	Prov. & fixing of hybrid P.M.G.S.Y. information sign board with "logo" - do - etc.				
	2.00 Nos. wide T.M.B.F. - (1)				
	els 14111=39/each - Rs				28223=00
(13)	E/W in excavation for				
	Foundation of structure				
	- do - do - do - etc.				
	19.79 m ³ wide T.M.B.F. - (7)				
	7.90 m ³ wide T.M.B.F. - (8)				
	26.99 m ³ els 405=83/m ³ - Rs				10953=00
(14)	Laying (First class) Bedding on well compacted sand - do - etc.				
	3.00 m ³ wide T.M.B.F. - (9)				
	els 57867/m ³ - Rs				1736=00
(15)	Prov. Laying R.C. pipe N/3 200mm dia - do - etc.				
	20.00 Km wide T.M.B.F. - (8)				
	els 684.79/Rm - Rs				13696=00
					4062007598=00

Continuation

Continuation