

Tharhato Tharha Mahadati tola
Below-0.314.

11 SBD 2023-24

Schedule XLV-Form No. 134

Gurba

Engad kr Sinha DIVISION

Mmasy-(AUSSESH)-NDR BRRB₂-96 Sheygha
SUB-DIVISION

Measurement Book

1492

Certified that this MB
Contains 01 to 100 pages
by Machine Printed this
MB is issued to Vinod
Kumar Parbhakar AE
RWD Work Sub division
Gurug

24/2/2024
Executive Engineer
Rural Works Department
Work Division Sherghati
Abb
24/02/2024

Reissue to Manoj K Gupta
JE Gurug

U. J. K.
24/2/2024

Sch. XLV - Form No. 134

_____ DIVISION

_____ SUB-DIVISION

Measurement Book

No. 1492

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)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	(Hawal mihasy Awasah)				
N/W.	Const ⁿ of road from				
	Jharha to Jharha Mahadalit				
	taka.				
Agency	Angad kumar sinha.				
Agreement No.	SBD 11/2023-24				
date of Agreement	31-01-2024				
date of comp	30-1-2025				
below	- 0.31%				
date of comp					
(1/1)	Setting out pillar				
	providing & fixing rebar				
	at 10m ✓				
(2/2)	bench mark pillar - do-do				
	1 Nos				
	0.920 km L & 4 Nos ✓				
(3/3)	clearing & grubbing road land				
	do-do				
	$2 \times 10 \times 30 \times 0.75 = 450 \text{ m}^2$				
	$2 \times 10 \times 30 \times 0.75 = 450 \text{ m}^2$				
	$2 \times 10 \times 30 \times 0.75 = 450 \text{ m}^2$				
	$2 \times 1 \times 20 \times 0.75 = 30 \text{ m}^2$				
	Total = 1380 m ²				
(4/4)	Sew 0.14 Hect.				
(4/4)	Const ⁿ of Barbed wire				
	$1.7 \times 30 \times 7.10 + 6.10 \times 0.30 = 107.1 \text{ m}^2$				

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
100 415	Level of Embankment with Material obtained from borrow pit - do do				
	Level up to 1000 m - As per graph				
CH:	Area	Mean	Change	Volume	
		CS and			
0.00 m	1.22	-	0	0	m ³
50	1.28	1.25	50		62.50 m ³
100	1.24	1.26	50		63.00 m ³
150	1.32	1.28	50		64.00 m ³
200	1.36	1.34	50		67.00 m ³
250	1.24	1.30	50		65.00 m ³
300	1.30	1.27	50		63.50 m ³
350	1.32	1.31	50		65.50 m ³
400	1.26	1.29	50		64.50 m ³
450	1.22	1.24	50		62.00 m ³
500	1.24	1.23	50		61.50 m ³
550	1.30	1.27	50		63.50 m ³
600	1.36	1.33	50		66.50 m ³
650	1.32	1.34	50		67.00 m ³
700	1.26	1.29	50		64.50 m ³
750	1.24	1.25	50		62.50 m ³
800	1.28	1.26	50		63.00 m ³
850	1.26	1.27	50		63.50 m ³
900	1.24	1.25	50		62.50 m ³
920	1.30	1.27	20		25.40 m ³
Total 176.90 m ³					
Level up to 1000 m					823.83 m ³
Level up to 1000 m					553.07 m ³
(5/8)	Cont ⁿ of Subgrade and external shoulder				
	2x15x30m x 6.898x0.30				930.85 m ³
	2x15x30 x 6.898x0.30				124.62 m ³
	2x15x12 x 6.898x0.30				1054.17 m ³
					Total 1015.60 m ³
		Limit = 1015.60 m ³			

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
for H/culvert 600/19110 7110x -					
810 in excavation for structure					
as per drawing etc etc					
H/W	2x	3.90	1.150	1.50	13.455m ³
below pipe	1x	5.250	1.130	0.365	2.202m ³
				T=	15.662m ³
				Qty 3 Nos x	15.662m ³ = 46.986m ³
30 31					
providing M.5 grade (1:2.5:5)					
as levelling course etc etc					
H/W	2x	3.90	1.150	0.150	1.3455m ³
above pipe	1x	5.311	1.130	0.250	1.500m ³
cees for pipe		0.250	0.7857	0.8302	0.162m ³
					2.0075m ³
				Qty 3 Nos x	2.0075m ³ = 6.162m ³
32 32					
providing concrete for plain reinforced					
concrete in open found etc etc					
H/W	2x	3.60	0.70	2.75	14.011m ³
parapet	2x	3.60	0.40	0.60	1.728m ³
base pipe	2x	0.7857	0.8302	0.5306	10.574
					15.165m ³
				Qty 3 Nos x	15.165m ³ = 45.495m ³
33 33					
providing and laying					
reinforced cement concrete pipe					
Mp3 for culvert etc etc					
	3x	2.50			7.50m
	Qty 3 Nos x				7.50m = 22.50m

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(28) painting two coat including primer coat after filling the surface with synthetic sand-paint etc.					
Outside	2x	3.60	3.380	=	24.336m ²
Inner side	2x	3.60	0.600	=	4.320m ²
Top	2x	3.60	0.40	=	2.880m ²
End	4x	0.70	2.780	=	7.784m ²
End parapet	4x	0.40	0.60	=	0.960m ²
cupola	2x	0.7852	0.830	=	(-)-1.083m ²
				T =	39.197m ²
Qty 3 Nos x 39.197m ² =					117.591m ²
(29) providing 15mm cement					
paving including cutting					
carriage of concrete etc					
Top	2x	3.60	0.40	=	2.880m ²
End parapet	4x	0.40	0.60	=	0.960m ²
inner side	2x	3.60	0.60	=	4.320m ²
				P =	8.160m ²
Qty 3 Nos x 8.160m ² =					24.48m ²
(30) Consign. of C.C. B. work material etc.					
for B.T. surface	15x	30x	4.05x	0.200	= 364.5m ³
	2x	30m	4.05x	0.200	= 48.6m ³
	1x	10m	4.05x	0.200	= 8.1m ³
for CCP	10x	30m	3.75x	0.100	= 112.5m ³
	2x	30x	3.75x	0.100	= 22.5m ³
	1x	30x	3.75x	0.100	= 11.25m ³
	1x	20x	3.75x	0.100	= 7.5m ³
				T =	574.95m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Excavation				$2 \times 18 \times 0.135 + 13 \times 0.200$	574.754 m^3
				3	3.24 m^3
					$\text{Total} = 578.19 \text{ m}^3$
(12) WBM for material providing laying spreading and compacting WBM for material					
	15	30	3.25	0.025	126.5625 m^3
	2	30	3.25	0.025	16.825 m^3
	1	10	3.25	0.025	2.8125 m^3
	10	30	3.25	0.025	84.375 m^3
	3	30	3.25	0.025	25.3125 m^3
	1	20	3.25	0.025	5.625 m^3
Excavation	2	30	1.0	1.0	2.10
					$\text{Total} = 236.6625 \text{ m}^3$
(13) Constn. of Earthen shoulder - do					
Earthen shoulder in flexible Road clouds					
Rid of 14/3 + WBM and do					
	17	30	1.325	1.150	300
	2	17	30	1.325	1.150×300
					$\text{Total} = 386.325$
for PCC	2	30	0.825	0.100	5.25 m^3
WBM for do	2	30	0.825	0.100	5.25 m^3
	2	10	30	0.825	$0.100 = 5.25 \text{ m}^3$
	2	25	1.825	0.100	4.375 m^3
	2	25	1.825	0.100	4.375 m^3
	2	30	0.825	0.100	5.25 m^3
					$\text{Total} = 76.75 \text{ m}^3$

25.7.2024
25.

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					Abstract of cost.
(1)					Setting out pillars primary & fixing of working bench marks do.
					Qty vide TMB P. 1 item 1
0.102	@	4277.93	/Ech		4278.00
(2)					primary & fixing of working bench marks for 4 nos bench marks
					Qty vide TMB P. 1
					item no. 2
0.4 nos	@	1967.6	/Ech		3878.2
(3)					clearing & grubbing
					road level clear
					Qty vide TMB P. 1
					item no. 3
0.138	fact - @	7559.29			10432.2
(4)					Earth work in Embankment 100 m lead do
					Qty vide TMB P. 2
573.89	m ³ item no 4				
	m ³ @	185.83			106646.20
(5)					Cost of Embankment do.
					Levee up to 100 m do
					Qty vide TMB P. 2
					item no 4
553.07	m ³ @	258.63	/m ³		143040.20
T F 2722742					

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	P.	
(6) Cost of subgrade				5.173	2222242
Easton Shutter alone					
Qty vide TMD p. 2					
item no - 5					
1015.6 m ³ @ 226.04/m ³ Rs.					2295652
(7) Cost of C.S.B. by					
providing lane graded					
Qty vide TMD p. 4.5					
item no 11					
578.19 m ³ @ 1902.06/m ³ Rs.					1099752
(8) Cost of concrete					
providing 4.5% binder					
and compaction stone					
Aggregate - class					
Qty vide TMD p. 5					
item no 12					
263.66 m ³ @ 3272.22/m ³ =					8627542
(9) Cement concrete pavement					
Cost of unreinforced					
Cement concrete for					
160mm thickness					
Qty vide TMD p. 6					
item no 15					
250.48 m ³ @ 6721.51/m ³ Rs.					16836042
				T = 38,75,67520	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B/L	38256252
(10) 29	providing & fixing log of road of railway project & road works Qty vide TMS p-6 item no. 14				
	82 Nos @ 11163.84 Ea/L				223282
(11) 30	Exc in Excavation in found ⁿ for pcc Qty vide TMS p-3 item no. 5				
	46.986 m ³ @ 398.60/m ³				187292
(12) 31	providing 115 grade pcc road & concrete Qty vide TMS p-3 item no 6				
	6.162 m ³ @ 5621.33/m ³ Is				346392
(13) 32	providing concrete for skin/reinforced concrete in open found ⁿ at road Qty vide TMS p-3 item no 7				
	45.495 m ³ @ 6022.77/m ³				274002
(14) 33	providing & laying HP pipe & p3 bus m/c Qty vide TMS p-3 item no 8				
	2750 m @ 3217.22/m Is				723992
					42777770

Continuation