

Name of cook:- At Vishnook to Mahadev
Asthana Tola (MMSY, Anushah
NDG)

Schedule XLV-Form No. 134

12/SBD/23-24

Anand's Kumar

DIVISION

Dr. Anand Kumar

SUB-DIVISION

Measurement Book

1350

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1st on A/C				
Name of work	At Virchow K to Mahadev Anthon hole				
	(MMSY, Aukhah, NAB)				
Agency:-	Anandi Kumar				
Agg no:-	12-SB0/23-24				
Date of start:-	15-12-2023				
Date of completion	14-12-2024				
Agg. volume	Contd. E-	7159034 cu			
	main E-	340470 cu			

Rate of agreement - 0.11 % below

Record measurement

- ① Setting out work with constant reference pillars & working Bench Mark

0.600 Km

- ② Excavation for road work

in soil with hydraulic excavator

1	25.00	2.00	0.100	5.000
1	25.00	3.00	0.050	3.750
1	25.00	2.00	0.050	2.500
1	25.00	2.50	0.075	4.690
1	25.00	2.60	0.100	6.500

22.440

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					81.73
					22.44m
	1	20.0	2.30	0.150	6.90.
					29.34
	ie	29.34	m ³		m

③ Removal of unsuitable soil

Qty = 20% of item ②
= 5.87 m³

④ Contn of embankment with deposited soil
= 80% of item ②
= 23.47 m³

⑤ Contn of embankment - all comp.					
change	Aray	Mean Aray	Dist.	Volume	
(m)	(m)	(m)	(m)	(m ³)	
0	1.153	-	-	-	
50	2.393	1.773	50	88.650	
100	1.778	2.086	50	104.225	
150	1.709	1.744	50	87.175	
200	1.787	1.748	50	87.400	
250	1.048	1.418	50	70.875	
300	1.030	1.039	50	51.950	
350	2.176	1.603	50	80.150	
400	2.230	2.203	50	110.150	
450	2.260	2.245	50	112.250	
500	2.347	2.304	50	115.175	
550	2.145	2.246	50	112.300	

Continuation

1020-350

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
④ 100 m lead					
= 80% of 1020.35					
= 816.28 m ³					
⑤ 1000 m lead					
20% of 1020.35					
= 204.07 m ³					
⑥ 600 ϕ HP					
E/W in excavation for					
found of a track.					
At wall	2	3.90	1.477	1.550	17.86 m ³
Below pipe	1	4.66	1.130	0.365	1.94 "
					19.80

ie 19.80 m³⑦ ALV Pce m-15 (1:2.5:5)
in Lunda

At wall	2	3.90	1.477	0.20	2.30 m ³
Below Pipe	1	5.63	1.13	0.25	1.60 "
					3.90 m ³

ie 3.90 m³⑧ H/A laying R/c pipe MP3
LAP 600 mm ϕ

3 x 2.50 = 7.50 m

ie 7.50 m

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑨ P/W for M-15 in Sub-structure.					
14 wall.	2	3.60	0.864	2.78	17.28
Parapet	2	3.60	0.400	0.600	1.73
Large pipe	2 x 11 x (0.83) ²				(-10.80)
					18.21 m ³
					ie 18.21 m ³
⑩ E/W in excavating for structure.					
for pipe duct 300 mm dia					
	2	16.00	0.60	1.00	12.00 m ³
					ie 7.20 m ³
⑪ Laying Type B Bedding for duct pipe					
	2	10.00	0.60	0.25	3.00 m ³
					ie 3.00 m ³
⑫ P/W & laying NP 300 mm dia 14 pipe					
	2 x 10.00				
	2	20.00 m			
22/12/23	22/12/23	AE/SLC	22/12/23	AE	
⑬ Work of subgrade & earth shoulder					
Subgrade	10	30.00	6.10	0.300	549.00 m ³
	5	30.00	6.10	0.300	274.50
	5	30.00	6.10	0.300	274.50
					1098.00 m ³
					ie 1098.00 m ³

Continuation

~~22/12/23~~
30/12/23
AE/SLC

~~22/12/23~~
30/12/23
AE

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(14) Construct G.S. 45-T					
Per postum	4	30m	3.75	0.100	45.00 m ³
	4	30m	3.75	0.100	45.00
	4	30m	3.75	0.100	45.00
	4	30m	3.75	0.100	45.00
	2	30m	3.75	0.100	22.50
					202.50
					m
					i.e. 202.50 m ³

(15) Construct earthen shoulder					
2x 10x 30m x 0.875 x 0.100					52.50 m ³
2x 8x 30m x 0.875 x 0.100					42.00
					94.50
					m

i.e. 94.50 m³

~~only~~

~~15/01/24~~
AC

(16) Placing masonry project
beam

02 Nos.

~~only~~

15/01/24
AC

~~15/01/24~~

AC

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>ABSTRACT OF COST</u>					
① Setting out work complete with centre of Banah Mark & reference pillars					
Qty mds P/1 item ①					
0.600 m @ 18677.00/km					112062
② Excavate for roadwork in soil					
Qty mds P/2 item ②					
= 29.34 m					
Limited as per agreement					
= 29.31 m @ 103.96/m					30472
③ Removal of unsuitable soil					
Qty mds P/2 item ③					
= 5.87 m					
Limited as per agreement					
= 5.86 m @ 103.96/m					609.4
④ Construct embankment with deposited soil					
Qty mds P/3 item ④					
= 23.47 m					
Limited as per agreement					
23.45 m @ 83.71/m					19632
⑤ Construct embankment do-upto 100m level					
Qty mds P/3 item ⑤					
816.28 m @ 217.07/m					177190

Continuation

1940152

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					31F M 1940152
⑥ Contn of embankment to - upto 1000 m land.					
Qty in TMS P/3 item ⑤ ⑥					
204.07 m ³ @ 267.79/m ³					54482
⑦ Contn of subgrade & soother Shoulder					
Qty in TMS P/4 item ⑬ = 1098.07 m ³					
" " " P/5 item ⑭ = 24.50					
				1300.50 m ³	
				1492.50 m ³	
@ 488.03/m ³					5223512
⑧ Contn of GRS Lr-I					
Qty in TMS P/5 item ⑮					
202.50 m ³ @ 2860.77/m ³					5793062
⑨ E/W in excavated for Jernik 20 of structure.					
Qty in TMS P/3 item ⑯ = 14.80					
" " " P/4 item ⑰ = 7.20					
				27.00 m ³	
@ 427.09/m ³					115312
⑩ Laying Type B' balling					
Qty in TMS P/4 item ⑱					
3.50 m ³ @ 601.14/m ³					18032

Continuation

13636542

Particulars	Details of actual measurement				Contents of area B/c
	No.	L.	B.	D.	
				11	13636542
(11) P/V for m-15 in Sub-structure					
Qty vide TMB p/3 item (7)					
3.90m ² Q 11 6683.39/m ² =					260652
(12) P/V & laying NP3					
28 p.p. duct 300 mm dia					
Qty vide TMB p/4 item (12)					
20.00m Q 11 682.50/m =					136502
(13) P/V & laying NP340					
24 600 mm dia					
Qty vide TMB p/3 item (8)					
7.50m Q 11 3744.85/m ² =					280862
(14) P/V & laying p.c.c					
26 m-15 in Sub-structure					
Qty vide TMB p/4 item (9)					
18.21m ² Q 11 6981.66/m ² =					1271362
(15) P/V & laying typical m.m.s					
11 p.p. rack 20.92p					
Qty vide TMB p/5 item (16)					
0.2 Nos Q 11 14083.68/p.p. =					281672
Labour cost 1 %					1586758
15 + 18 %					158682
					2856162

Continuation

18882422

CSO
44
15-0124