

11/11/2019

House of Sahas & L-032

Schedule XLV-Form No. 134

DIVISION

01374720

SUB-DIVISION

01483124-01374720

MEASUREMENT BOOK

794

21/04/2019 → Shorwan & sunny Put 1:40

Sch. XLV - Form No. 134

~~Executive Engineer~~ DIVISION

R.W.D - Dard
Muzer

~~Assistant Engineer~~ SUB-DIVISION

R.W.D (Goh)

Measurement Book

No. 724

Name of Officer _____

Date of first entry _____

Date of last entry _____

1st on A/c Bill

1

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.	
Name of Work : House					
of Shar to Lops					
Name of Agency : Sharwan					
& Sunny Construction					
Private Utl. Disib. -					
Aurangabad.					
Agreement No : 72580/2020-2021					
Date of Commencement - 10/02/2021					
Date of Completion - 9/02/2022					
Date of Measurement :					
Work done details					
(1) Providing & Fixing					
of working bench-					
mark Pillars.					
Qty 2 Nos.					
Reference Pillar.					
Qty 4 Nos.					
(2) clearing and grubbing					
Road land etc. etc.					
all Comp. sub.					
$2 \times 15 \times 30 \times 8.50 = 3150 \text{ m}^2$					
$2 \times 10 \times 30 \times 3.50 = 2100 \text{ m}^2$					
$2 \times 12 \times 30 \times 3.50 = 2520 \text{ m}^2$					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	2	3	30	3.50	= 630 m ²
	2	1	10	3.50	= 70 m ²
					8470 m ²
					= 0.84 Hec.

(3)

Construction of emb.
- embankment with app.
- raised material etc
- do-do-all comp. job.
E/w calculation as
per graph.

CH	cls Area	Mean cls	Length	Quantity
(m)	m ²	Area m ²	m.	m ³
0	0.138	-	-	-
50	0.689	0.414	50	20.675
100	0.732	0.711	50	35.525
150	0.396	0.559	50	27.950
200	0.432	0.409	50	20.450
250	0.493	0.463	50	23.125
300	0.805	0.649	50	32.450
350	0.636	0.721	50	36.025
400	0.769	0.703	50	35.125
450	0.499	0.634	50	31.700
500	0.355	0.427	50	21.350
550	1.250	0.803	50	40.125
600	0.126	0.688	50	34.400

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
CH (m)	c/s Area m ²	Mean c/s length m			Quantity m ³
650	0.362	0.244		50	12.200
700	0.275	0.379		50	16.425
750	0.193	0.244		50	12.200
800	0.746	0.447		50	22.325
850	0.115	0.408		50	20.375
900	0.177	0.146		50	7.300
950	0.680	0.429		50	21.425
1000	0.266	0.473		50	23.650
1050	0.450	0.358		50	17.900
1100	0.175	0.313		50	15.625
1150	0.356	0.263		50	13.125
1200	0.195	0.268		50	13.375
1210	0.260	0.223		10	2.225
					E/W = 557.05 m ³
					Lead up to 100m
					$557.05 \text{ m}^3 \times 63.53\% = 353.89 \text{ m}^3$
($\frac{4}{4}$)					Lead up to 1000m
					$557.05 \text{ m}^3 \times 36.47\% = 203.16 \text{ m}^3$
($\frac{5}{5}$)					Construction of Subgrade and earthen shoulders etc do do all comp.
					$19 \times 30 \times 6.82 + 7.72 \times 0.70 = 1243.17$
					2
					$17 \times 30 \times 6.82 + 7.72 \times 0.70 = 1112.91$

2

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		$1 \times 20 \times 6.82 + 7.72 \times 0.300$			$= 43.62$
			2		2399.10 m^3
		Lead up to 1000 m			
		$2399.10 \text{ m}^3 \times 30\%$			$= 719.73 \text{ m}^3$
(6/6)		Lead up to 100 m			
		$2399.10 \text{ m}^3 \times 70\%$			$= 1679.37 \text{ m}^3$
(7/22)		Earthwork in excav.			
		- also etc do-do-all			
		Comp. job.			
	H.W	$2 \times 2 \times 3.90 \times 1.15 \times 1.50$			$= 26.91 \text{ m}^3$
Below pipe		$2 \times 1 \times 5.35 \times 1.13 \times 0.365$			$= 4.41 \text{ m}^3$
					31.32 m^3
(8/23)		Providing concrete			
		for plain reinforced			
		etc do-do-all Comp.			
	H.W	$2 \times 2 \times 3.90 \times 1.15 \times 0.150$			$= 2.69 \text{ m}^3$
Below pipe		$2 \times 1 \times 5.31 \times 1.13 \times 0.250$			$= 3.00 \text{ m}^3$
					5.69 m^3
(9/27)		Providing and laying			
		R.c.c pipe NP3 for culvert			
		etc do-do-all Comp.			
		$2 \times 3 \times 2.50$			$= 15 \text{ Rm.}$
(10/27)		Plain reinforced concrete			
		- in sub			
		Structure etc do-do-all			
		Comp. job.			

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
H.W	2 x 2	3.60	0.7100	2.78	= 20.02 m ³
Pqmpot	2 x 2	3.60	0.40	0.60	= 3.45 m ³
loss for pipe	2 x 2	0.7854	0.832	0.536	= 1.14 m ³
					30.33 m ³
		Hume Pipe culvert.			
		1 x 1000 mm dia = 2 nos.			
(11/22)	Earthwork in excavation				
	etc do-do-all Comp.				
H.W	2 x 2	6.45	1.40	1.50	= 54.18 m ³
Below pipe	2 x 1	4.85	1.53	0.865	= 5.41 m ³
					59.59 m ³
(12/23)	Providing m ₁₅ Concrete				
	for plain reinforced				
	etc do-do-all Comp.				
H.W	2 x 2	6.45	1.40	0.150	= 5.41 m ³
Below pipe	2 x 1	4.93	1.53	0.250	= 3.77 m ³
					9.18 m ³
(13/26)	Providing and laying				
	Rcc pipe N.P ₃ for culvert				
	etc do-do-all Comp.				
	2 x 3 x 2.50 = 7.5 R.m.				
(14/24)	Plain reinforced ce-				
	-ment Concrete by				
	Substructure etc do-do-				
	all Comp. sub.				
H.W	2 x 2	6.15	0.825	3.18	= 64.53 m ³
Pqmpot	2 x 2	6.15	0.40	0.60	= 5.90 m ³

Continuation

Abstract of Cost

($\frac{1}{i}$) Providing & Fixing of working benchmarks

$$2 \text{ NUS} (\text{vide TmBf-1})$$
$$\text{OR, } 3490 = 97$$
$$Rs\ 6981.294$$

Refrence fill 1928

4 Nov (Wed TmBr-1)

Rs 1588 : 29

$2 \times 6353 = 16$

(2) clearing and grubbing

Rood	land	etc	do-do-
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di Comp.

0.84 Hae (~~W~~He-TMBP-2)

Q. 52, 966 = 72

ρ. 44492=04

$$Rs\ 57,827 = 14$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
($\frac{3}{2}$) Construction of curb					
and front. with approval					
materials etc do-do all					
Comp. etc.					
Lead up to 100 m					
353.89 m ³ (Vide TMBP-3)					
@ Rs 142 = 26					Rs 50344 = 3
($\frac{4}{4}$) Lead up to 100 m					
203.16 m ³ (Vide TMBP-3)					
@ Rs 187 = 92					Rs 38177 = 8
($\frac{5}{5}$) Construction of Subgrade					
and earth shoulder					
etc do-do all Comp.					
Lead up to 100 m					
719.73 m ³ (Vide TMBP-4)					
@ Rs 189 = 56					Rs 136432 = 01
($\frac{6}{6}$) Lead up to 100 m					
1679.37 m ³ (Vide TMBP-4)					
@ Rs 154 = 29					Rs 259109 = 99
($\frac{7}{22}$) Earthwork in excavation					
etc do-do all Comp.					
31.32 m ³ (Vide TMBP-4)					
59.59 m ³ (Vide TMBP-5)					
90.91 m ³ @ Rs 279 = 07					Rs 25372 = 07
($\frac{8}{23}$) Providing concrete					
					Rs 567263 = 42

Continuation

B.F Rs 567263 = 42

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
for plain reinforced etc do do - all Comp.					
5.69 m ³ (Vide TMBP-4)					
9.19 m ³ (Vide TMBP-5)					
14.97 m ³ @ Rs 4183 = 13					Rs 62203 = 1
($\frac{9}{24}$) Providing and laying Rcc pipe NPs for culverts etc do do - all Comp.					
15 Rm (Vide TMBP-4)					
@ Rs 2191 = 05					Rs 32715 = 7
($\frac{10}{24}$) Plain reinforced cement concrete in Substructure etc do do - all Comp. sub.					
30.33 m ³ (Vide TMBP-5)					
67.48 m ³ (Vide TMBP-6)					
97.81 m ³ @ Rs 4892 = 59					Rs 478544 = 7
($\frac{11}{26}$) Providing and laying Rcc pipe NPs for culverts etc do do - all Comp.					
15 Rm (Vide TMBP-5)					
@ Rs 4013 = 24					Rs 60198 = 60
					Rs 12,00925 = 00
					Add 12% G.S.T. Rs 1,44111 = 00
					1% L.C.S. Rs 12009 = 00
					S.F. Rs 12940 = 00
					Rs 13,70,015 = 00

Continuation

