

MMGSY

MMGSY middle school

Schedule X, V-Form No. 134

School to 1038

(Bela wari)

DIVISION

समय 8:30-11:30

SUB-DIVISION

समय 8:30-11:30

समय 8:30-11:30

MEASUREMENT BOOK

777

देवेन्द्र प्रसाद सिंह

Ist 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 : Middle					
School to Logg					
(Belawans)					
Name of Agency : Dourdh					
Prasad Singh New					
Ares Byepass Chaulk					
Disit Aurangabad.					
Agreement No: 10580					2021-2022
Date of Commencement					2/03/2021
Date of Completion					1/03/2022
Date of Measurement					20/12/2021
Work done detail					
(1) Providing & fixing					
of working					
Benchmark Pillars					
Qty 2 Nos					
Reference Pillars					
Qty 4 Nos					
(2) clearing and grub-					
-ing Road Land etc					
do-do-also Comp.					
					$2 \times 12 \times 30 \times 3.50 = 2520 m^2$
					$2 \times 9 \times 30 \times 3.50 = 1890 m^2$
					$2 \times 11 \times 30 \times 3.50 = 2310 m^2$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	2	7	30	3.50	$= 1470 \text{ m}^2$
	2	1	20	3.50	$= 140 \text{ m}^2$
					8330 m^2
					$= 0.83 \text{ Hec.}$

(3/3) Construction of
embankment with
approved material
etc do-ds-ay comp.
E/w calculation as
per graph.

CH	cls Area	Mean cls	Length	Quantity
(m)	m^2	Area m^2	m	m^3
0	0.727	-	-	-
50	1.598	1.163	50	58.125
100	0.665	1.132	50	56.575
150	1.004	0.935	50	41.725
200	1.467	1.206	50	60.275
250	0.540	0.974	50	43.675
300	0.818	0.679	50	33.950
350	0.565	0.692	50	34.575
400	1.273	0.929	50	46.450
450	1.104	1.199	50	59.925
500	0.880	0.992	50	49.600
550	1.225	1.053	50	52.625
600	1.081	1.153	50	57.650
650	0.700	0.891	50	44.525
700	1.745	1.223	50	61.125

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
CH (m)	C/S Area m^2	Mean c/s $\text{Area } m^2$	length m	Quantity m^3	
750	1.352	1.548	50	77.425	
800	0.495	0.924	50	46.175	
850	0.575	0.535	50	26.450	
900	1.520	1.048	50	52.375	
950	0.770	1.145	50	57.250	
1000	1.065	0.918	50	45.875	
1050	0.908	0.982	50	49.325	
1100	0.485	0.694	50	34.825	
1190	0.625	0.555	90	49.950	
		Total E/W =			1011.65 m^3
	Lead up to 100 m				

$$1011.65 \text{ m}^3 \times 50.48\% = 506.63 \text{ m}^3$$

$$\binom{4}{4}$$

lead up to low m

$$1011.05 \text{ m}^3 \times 49.92\% = 505.01 \text{ m}^3$$

 ~~$\left(\frac{5}{5}\right)$~~

Construction of Sub-
grade and earthen
shoulders etc de-
all Comp. job.

$$15 \times 20 \times (6.92 + 7.42) \times 0.30 = 991.45 \text{ m}^3$$

$$14 \times 30 \times \left(\frac{6.80 + 7.72}{2} \right) \times 0.30 = 916.02 \text{ m}^3$$

$$1 \times 20 \times \left(\frac{6.82 + 7.72}{2} \right) \times 0.30 = 43.62 \text{ m}^3$$

$$1941.09 \text{ m}^3$$

lead	up	to	low	m
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Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		1941.09 m ³	x 30%	=	582.32 m ³
		lead up to 100 m			
($\frac{5}{6}$)		1941.09 m ³	x 70%	=	1358.76 m ³
($\frac{7}{7}$)	Construction of gran-				
	-ular Sub-base etc				
	do-do-all Comp.				
		5 x 30 x 4.05 x 0.200	=		121.50 m ³
		7 x 30 x 4.05 x 0.200	=		170.10 m ³
		9 x 30 x 4.05 x 0.200	=		218.70 m ³
		4 x 30 x 4.05 x 0.200	=		97.20 m ³
		3 x 30 x 4.05 x 0.200	=		72.90 m ³
		1 x 30 x 4.05 x 0.200	=		24.30 m ³
		1 x 20 x 4.05 x 0.200	=		16.20 m ³
					720.90 m ³
	extra widening on curve				
		0 + 3	x 18 x 0.200	=	14.40 m ³
		2			735.30 m ³
($\frac{8}{8}$)	WBM Grading 3:-				
	Providing laying				
	Spreading and Comp.				
	-acting stone etc do do				
	all Comp. job.				
		5 x 30 x 3.75 x 0.075	=		42.18 m ³
		7 x 30 x 3.75 x 0.075	=		59.06 m ³
		9 x 30 x 3.75 x 0.075	=		75.93 m ³
		4 x 30 x 3.75 x 0.075	=		33.75 m ³
		3 x 30 x 3.75 x 0.075	=		25.31 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1	30	3.75	0.075	$= 8.43 \text{ m}^3$
	1	20	3.75	0.075	$= 5.62 \text{ m}^3$
					250.28 m^3
	Extra widening on curve				
	0+8	16	0.075		$= 4.80 \text{ m}^3$
	2				255.08 m^3
(9)	Construction of gravel.				
	or Sub-base etc do do				
	all Comp. sub.				
	(PCC Position)				
	4	30	3.75	0.100	$= 45 \text{ m}^3$
	5	30	3.75	0.100	$= 56.25 \text{ m}^3$
	1	30	3.75	0.100	$= 11.25 \text{ m}^3$
					112.50 m^3
	Extra widening on curve				
	0+8	5	0.100		$= 2.00 \text{ m}^3$
	2				114.50 m^3
(10)	Dismantling of existing				
(23)	Structure like culverts				
	etc do do all Comp.				
	Cement concrete				
	4	3.50	1.14	0.15	$= 2.39 \text{ m}^3$
	1	3.50	1.54	0.15	$= 0.80 \text{ m}^3$
					3.19 m^3
(11)	Dismantling of existing				
(24)	Structure like culverts				
	etc do do all Comp.				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	4 x 2	4.20	0.825	2.50	$= 67.30 m^3$
	1 x 2	6.20	0.825	3	$= 30.69 m^3$
					<u>$97.99 m^3$</u>
($\frac{12}{30}$)	Removing all type of hume pipe etc do-do. all comp.				
(1)	4 x 750	$= 30 Rm.$			
	Above 60 mm to 90 mm				
(1)	1 x 5	$= 5 Rm.$			
($\frac{13}{17}$)	Providing and laying of a reinforced cement concrete pipe etc do-do. all comp. etc.				
	4 x 3	7.50	$= 30 Rm.$		
	Hume Pipe culvert				
	1 x 100 mm dia	$= 6.40$			
($\frac{14}{22}$)	Earthwork in excavation etc do-do. all comp. etc.				
H.W	6 x 2	6.45	1.40	1.50	$= 162.54 m^3$
Below pipe	6 x 1	4.85	1.53	0.365	$= 16.25 m^3$
					<u>$178.79 m^3$</u>
($\frac{15}{23}$)	Providing concrete for plain reinforced concrete etc do-do. all comp. etc.				
H.W	6 x 2	6.45	1.40	0.150	$= 16.25 m^3$
Below pipe	6 x 1	4.93	1.53	0.250	$= 11.31 m^3$
					<u>$27.56 m^3$</u>

Continuation

Continuation

Abstract of Cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) Providing & Fixing of working					
Benchmark Pillars					
2 Nos (Vide TMBP-1)					
@ Rs 3490 = 97					Rs 6981 = 94
Reference Pillars					
4 Nos (Vide TMBP-1)					
@ Rs 1583 = 29					Rs 6353 = 16
(2) Clearing and grubbing					
Reed land etc do do					
all Comp. job.					
0.83 Hec (Vide TMBP-2)					
@ Rs 52,966 = 72					Rs 43962 = 37
(3) Construction of embankment etc do do all					
Comp. job					
Lead up to 100m					
506.63 m ³ (Vide TMBP-3)					
@ Rs 142 = 26					Rs 72073 = 18
(4) Lead up to 100m					
505.01 m ³ (Vide TMBP-3)					
@ Rs 187 = 92					Rs 94901 = 47
(5) Construction of Subgrade and earthen shoulder					
etc do do all Comp.					
Lead up to 100m					
582.37 m ³ (Vide TMBP-4)					
@ Rs 189 = 56					Rs 110384 = 54
					Rs 3,34,656 = 69

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
($\frac{6}{6}$)	Lead up to 100m				
1358.76 m ³	(Vide TMBR-4)				
	@ Rs 154 = 29				Rs 209643 = 08
($\frac{7}{7}$)	Construction of green-				
	uler Sub-base etc do-				
	do - all Comp.				
735.30 m ³	(Vide TMBR-4)				
114.50 m ³	(Vide TMBR-5)				
849.80 m ³	@ Rs 190 = 38				Rs 16,14,942 = 92
($\frac{8}{8}$)	WBM Grading 3 :				
	Providing laying, sp.				
	seeding and Compd.				
	of etc etc do do.				
	all Comp. job.				
255.08 m ³	(Vide TMBR-5)				
	@ Rs 2506 = 48				Rs 639352 = 91
($\frac{9}{28}$)	Dismantling of existing				
	Structure etc do do -				
	Comp. job.				
	Concrete concrete				
3.19 m ³	(Vide TMBR-5)				
	@ Rs 496 = 96				Rs 1585 = 30
($\frac{10}{29}$)	Dismantling of existing				
	Structure like culverts				
	etc do do - all Comp.				
99.99 m ³	(Vide TMBR-6)				
	@ Rs 235 = 20				Rs 23517 = 64

Rs 2823698 = 54

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
($\frac{11}{30}$) Removing all type of lime pipe etc do do all comp.					
a) 30 Rm (vide TMBR-6)					
@ Rs 181 = 13				Rs	5433 = 90
(ii) Above 600mm to 900mm 5 Rm (vide TMBR-6)					
@ Rs 244 = 92				Rs	1224 = 60
($\frac{12}{27}$) Providing and laying of a reinforced concrete etc do do - all comp. etc.					
30 Rm (vide TMBR-6)					

@ Rs 951 = 97				Rs	28559 = 10
($\frac{13}{22}$) Earthwork in excavat - ion etc do do - all comp.					
178.79 m ³ (vide TMBR-6)					
@ Rs 249 = 09				Rs	49398 = 50
($\frac{14}{25}$) Providing concrete for plain reinforced etc do do - all comp.					
24.56 m ³ (vide TMBR-6)					
@ Rs 4183 = 13				Rs	115287 = 06
($\frac{15}{26}$) Providing and laying Rcc pipe & Rcc for culvert etc do do - all comp. etc.					

Rs 3024101 = 70

Continuation

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