

MMBS

CV

House of Rasendra Giri
to 1028
Schedule XIV-Form No. 134

Division 618740-13

Sub-Division 373

MEASUREMENT BOOK 776

79
4948 → Devendra Prasad Singh.

प्रमाणित किया जाता है कि इस
 मासिक पुस्तक में कुल 100 एक सौ पच्चीस पृष्ठ उपलब्ध
 हैं, जिसे सहायक अभिलेख प्रामाणिक रूप
 से निर्गत किया जाता है।

INDEX

PAGE

किसी कार्य उपर्युक्त प्रमाणित - शीट के नाम
 से निर्गत किया जाता है।

15/09

कार्यपालक अभियन्ता

समीक्षा कार्य विभाग

श्री प्रमोद दासदास (औरंगाबाद)

12/9/2021

INDEX

PAGE

1. ...
 2. ...
 3. ...
 4. ...
 5. ...
 6. ...
 7. ...
 8. ...
 9. ...
 10. ...

1st on A/c Bill

1

namely

SC

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					
Rajendra Givitolga					
Name of Agency - Sri Devendra					
Prasad Singh At.					
New Area Bypass					
Chowk Aurangabad.					
Agreement No - 9 SBD / 2021-2022					
Date of Commencement - 17/03/2021					
Date of Completion - 16/03/2022					
Date of Measurement -					

Work done details

(1) Providing & Fixing					
of Working					
Benchmark Pillars					
Qty 2 Nos.					
Reference Pillars					
Qty 7 Nos.					
(2) Clearing and Grubbing					
Road land etc do-do-					
all Comp. job.					
$2 \times 17 \times 30 \times 3.50 = 3990 m^2$					
$2 \times 23 \times 30 \times 3.50 = 4830 m^2$					
$2 \times 12 \times 30 \times 3.50 = 2520 m^2$					
$2 \times 3 \times 30 \times 3.50 = 630 m^2$					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	2 x 1 x 15	8.3.90			105 m ²
					12075 m ²
					= 1.20 Hec.
(3/3)	Construction of emb.				
	-ankement with app.				
	-road material etc				
	do-do-all Comp. job.				
	E/w Calculation as				
	per graph.				
CH in	Area	Mean	Length	Quantity	
(m)	m ²	Area m ²	m	m ³	
0	0.863	-	-	-	
50	0.961	0.912	50	45.600	
100	0.894	0.928	50	46.375	
150	0.850	0.622	50	31.100	
200	1.320	0.835	50	41.750	
250	1.467	1.394	50	69.675	
300	0.977	1.222	50	61.100	
350	1.279	1.128	50	56.400	
400	0.822	1.051	50	52.575	
450	0.887	0.855	50	42.725	
500	1.165	1.026	50	51.300	
550	1.361	1.263	50	63.150	
600	0.682	1.022	50	51.075	
650	0.903	0.793	50	39.625	
700	1.498	1.201	50	60.025	
750	0.540	1.019	50	50.950	
800	0.573	0.559	50	27.950	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Chim (m)	Area m^2	Perimeter m	Length m		Quantity m^3
850	0.606	0.592		50	29.600
900	1.035	0.821		50	41.025
950	0.750	0.643		50	32.125
1000	0.682	0.466		50	23.300
1050	1.172	0.927		50	46.350
1100	1.115	1.144		50	54.175
1150	0.460	0.788		50	39.375
1200	0.589	0.525		50	26.225
1250	0.904	0.747		50	37.325
1300	0.950	0.927		50	46.350
1350	1.061	1.006		50	50.275
1400	1.379	1.220		50	61.000
1450	0.450	0.915		50	45.725
1500	0.606	0.528		50	26.400
1550	1.108	0.857		50	42.850
1600	0.394	0.751		50	37.550
1650	0.857	0.626		50	31.275
1700	0.382	0.620		50	30.975
1725	0.312	0.647		25	16.175
				E/W =	1512.400 m^3
				lead up to 100m	
				1512.400 m^3 x 48.65%	735.78 m^3
(4/4)				lead up to 100m	
				1512.400 m^3 x 51.35%	776.62 m^3
(5/5)				Construction of Sub-grade and earthen	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Shoulders etc do-do					
all comp. job					
					$43 \times 30 \times \left(\frac{6.82 + 7.72}{2} \right) \times 0.30 = 2813.49 \text{ m}^3$
					$1 \times 10 \times \left(\frac{6.82 + 7.72}{2} \right) \times 0.30 = 21.81 \text{ m}^3$
					2835.30 m^3
lead up to 1000 m					
					$2835.30 \text{ m}^3 \times 30\% = 850.59 \text{ m}^3$
($\frac{6}{6}$) lead up to 1000 m					
					$2835.30 \text{ m}^3 \times 70\% = 1984.71 \text{ m}^3$
($\frac{7}{39}$) Dismantling of existing structure like culverts etc do-do all comp.					
Cement Concrete					
					$2 \times 3.50 \times 1.14 \times 0.15 = 1.19 \text{ m}^3$
					$1 \times 3.50 \times 1.54 \times 0.15 = 0.80 \text{ m}^3$
					$2 \times 3.50 \times 1.54 \times 0.15 = 1.61 \text{ m}^3$
					3.60 m^3
($\frac{8}{40}$) Dismantling of existing structure like culverts					
Cement mortar					
					$2 \times 2 \times 4.20 \times 0.825 \times 2.50 = 34.65 \text{ m}^3$
					$2 \times 5.64 \times 0.825 \times 2.50 = 23.26 \text{ m}^3$
					$2 \times 2 \times 6.20 \times 0.825 \times 3.00 = 61.38 \text{ m}^3$
					119.29 m^3
($\frac{9}{41}$) Remaining all type of hume pipe etc.					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
upto 600mm dia					
				$2 \times 7.50 = 15 \text{ Rm}$	
				$2 \times 5.00 = 10 \text{ Rm}$	
				25 Rm.	
(9) Above 600mm to 900mm					
				$2 \times 5.00 = 10 \text{ Rm}$	
($\frac{10}{7}$) Construction of granular sub-base etc					
do do. all Comp. job.					
				$5 \times 30 \times 4.05 \times 0.20 = 121.50 \text{ m}^3$	
				$3 \times 30 \times 4.05 \times 0.20 = 72.90 \text{ m}^3$	
				$7 \times 30 \times 4.05 \times 0.20 = 170.10 \text{ m}^3$	
				$4 \times 30 \times 4.05 \times 0.20 = 97.20 \text{ m}^3$	
				$5 \times 30 \times 4.05 \times 0.20 = 121.50 \text{ m}^3$	
				$2 \times 30 \times 4.05 \times 0.20 = 48.60 \text{ m}^3$	
				$6 \times 30 \times 4.05 \times 0.20 = 145.80 \text{ m}^3$	
				$5 \times 30 \times 4.05 \times 0.20 = 121.50 \text{ m}^3$	
				$4 \times 30 \times 4.05 \times 0.20 = 97.20 \text{ m}^3$	
				$2 \times 30 \times 4.05 \times 0.20 = 48.60 \text{ m}^3$	
				$1 \times 10 \times 4.05 \times 0.20 = 8.10 \text{ m}^3$	
					1053.00 m ³
extra widening on curve					
				$\frac{0+8}{2} \times 25 \times 0.20 = 20.00 \text{ m}^3$	
					1073.00 m ³
($\frac{11}{7}$) Construction of granular sub-base (P.C.C. Portion) etc do do.					
all Comp. job.					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	5	30	3.75	0.10	$= 56.25 m^3$
	2	30	3.75	0.10	$= 22.50 m^3$
	1	30	3.75	0.10	$= 11.25 m^3$
	2	30	3.75	0.10	$= 22.50 m^3$
					<u>$112.50 m^3$</u>
$(\frac{12}{3})$	WBM Graveling 3:-				
	Providing laying				
	Spreading and Comp.				
	acting stone etc do				
	do all comp. job.				
	5	30	3.75	0.075	$= 42.18 m^3$
	7	30	3.75	0.075	$= 59.06 m^3$
	4	30	3.75	0.075	$= 33.75 m^3$
	6	30	3.75	0.075	$= 40.62 m^3$
	5	30	3.75	0.075	$= 42.18 m^3$
	7	30	3.75	0.075	$= 59.06 m^3$
	3	30	3.75	0.075	$= 25.31 m^3$
	2	30	3.75	0.075	$= 16.87 m^3$
	4	30	3.75	0.075	$= 33.75 m^3$
	1	10	3.75	0.075	$= 2.81 m^3$
					<u>$365.59 m^3$</u>
	extra widening on curve				
	0+8	25	0.075		$= 7.50 m^3$
	2				<u>$373.09 m^3$</u>
$(\frac{13}{38})$	Providing and laying				
	of a reinforced cement				
	Concrete pipe etc do				
	do all comp. job.				

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		$6 \times 4 \times 2.50 = 60 \text{ Rm.}$			
$\left(\frac{14}{22}\right)$	Earthwork in excavation etc do do all				
	Comp. job.				
H.W	$6 \times 2 \times 6.45 \times 1.40 \times 1.50 = 162.54 \text{ m}^3$				
Below pipe	$6 \times 4.85 \times 1.53 \times 0.365 = 16.25 \text{ m}^3$				
					178.79 m^3
$\left(\frac{15}{23}\right)$	Providing Concrete for plain reinforced etc				
	do do all Comp. job.				
H.W	$6 \times 2 \times 6.45 \times 1.40 \times 0.150 = 16.25 \text{ m}^3$				
Below pipe	$6 \times 4.93 \times 1.53 \times 0.250 = 11.31 \text{ m}^3$				
					27.56 m^3
$\left(\frac{16}{33}\right)$	Providing and laying Rcc pipe 1003 for culverts etc do do all Comp.				
	$6 \times 3 \times 2.50 = 45 \text{ Rm.}$				
$\left(\frac{17}{26}\right)$	Plain reinforced cement Concrete in Sub-structure etc do do all Comp. job.				
H.W	$6 \times 2 \times 6.15 \times 0.825 \times 3.180 = 193.61 \text{ m}^3$				
Pumpit	$6 \times 2 \times 6.15 \times 0.400 \times 0.600 = 17.71 \text{ m}^3$				
less for pipe	$6 \times 2 \times 0.7857 \times 1.230^2 \times 0.622 = 118.87 \text{ m}^3$				
					202.45 m^3
	Box Culvert				
	$2 \text{ M} \times 2 \text{ m}$				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(18) (22)	Earthwork in excava-				
	tion etc do-do all				
	Comp. sub.				
Box culvert					
	$1 \times 6.00 \times 3.50 \times 0.65 = 13.65 \text{ m}^3$				
Return wall					
	$4 \times 3.32 \times 3.42 \times 1.80 = 81.75 \text{ m}^3$				
Cut off wall	$2 \times 3.50 \times 1.30 \times 1.80 = 95.40 \text{ m}^3$				
(19) (23)	Providing Concrete				16.38 m^3
	for plain reinforced				111.78 m^3
	Concrete etc do-do				
	all Comp. sub				
Box culvert					
	$6 \times 2.50 \times 0.10 = 1.50 \text{ m}^3$				
Return wall					
	$4 \times 3.32 \times 2.42 \times 0.20 = 6.42 \text{ m}^3$				
					7.92 m^3
(20) (25)	Supplying fitting				
	and placing HYSD				
	bgr etc do-do all comp.				
	$2 \times 13 \times 3.40 \times 0.62 = 75.88 \text{ kg}$				
	$2 \times 2 \times 13 \times 2.50 \times 0.62 = 80.60 \text{ kg}$				
					156.48 kg
					$= 0.15 \text{ m}^3$
(21) (24)	Providing Concrete				
	for plain reinforced				
	etc do-do all comp.				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					$2 \times 2.50 \times 0.300 \times 1.50 = 2.25 \text{ m}^3$
($\frac{22}{29}$)	Supplying fitting and placing HYSD bar etc do do all Comp. job.				
					$2 \times 42 \times 2.74 \times 0.62 = 142.69 \text{ kg}$
					$2 \times 19 \times 6.24 \times 0.62 = 147.01 \text{ kg}$
					$2 \times 44 \times 2.80 \times 0.62 = 152.76 \text{ kg}$
					$2 \times 44 \times 2.70 \times 0.62 = 147.31 \text{ kg}$
					$2 \times 42 \times 1.42 \times 0.89 = 106.15 \text{ kg}$
					$2 \times 40 \times 1.15 \times 0.39 = 35.88 \text{ kg}$
					$2 \times 42 \times 1.42 \times 0.39 = 46.51 \text{ kg}$
					$48 \times 6.24 \times 0.62 = 185.70 \text{ kg}$
					426.07 kg
					$= 0.96 \text{ m}^3$
($\frac{23}{28}$)	Plain reinforced cement concrete in Substructure etc do do all Comp. job.				
					$1 \times 6 \times 2.50 \times 0.25 = 3.75 \text{ m}^3$
					$2 \times 6 \times 2 \times 0.25 = 6.00 \text{ m}^3$
					$4 \times 6 \times 0.01 = 0.24 \text{ m}^3$
					9.99 m^3
($\frac{24}{33}$)	Supplying fitting and placing HYSD bar in Superstructure etc do do all Comp. job.				
					$1 \times 46 \times 2.50 \times 0.89 = 102.35 \text{ kg}$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		$1 \times 20 \times 6.74 \times 0.62 =$			77.37 kg
		$1 \times 20 \times 6.74 \times 0.62 =$			77.37 kg
		$1 \times 46 \times 7.65 \times 0.62 =$			75.57 kg
		$2 \times 12 \times 1.06 \times 0.39 =$			9.92 kg
		$2 \times 4 \times 6.74 \times 0.62 =$			30.95 kg
					373.53 kg
					$= 0.37 \text{ m}^3$
$\left(\frac{25}{32}\right)$	Providing and laying				
	Current concrete in				
	Superstructure etc. do.				
	etc. do. all Comp. job.				
		$1 \times 2.50 \times 6 \times 0.25 =$			3.75 m ³
		$2 \times 2.50 \times 0.25 \times 0.50 =$			0.62 m ³
					4.37 m ³
$\left(\frac{26}{24}\right)$	Providing concrete				
	for plain reinforced				
	etc. do. do. all Comp.				
		$4 \times 2.92 \times 2.017 \times 0.20 =$			4.71 m ³
		$4 \times 2.92 \times 1.717 \times 0.20 =$			4.47 m ³
		$4 \times 2.92 \times 1.817 \times 0.20 =$			4.24 m ³
		$4 \times 2.92 \times 1.717 \times 0.20 =$			4.01 m ³
		$4 \times 2.92 \times 1.617 \times 0.20 =$			3.77 m ³
		$4 \times 2.92 \times 1.517 \times 0.20 =$			3.54 m ³
		$4 \times 2.92 \times 1.417 \times 0.20 =$			3.31 m ³
		$4 \times 2.92 \times 1.317 \times 0.20 =$			3.07 m ³
					31.12 m ³
$\left(\frac{27}{26}\right)$	Plain reinforced ce-				
	ment concrete in				

Continuation

Continuation

Abstract of Cost

12

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1/1) Providing & Fixing of working Benchmark Pillar					
2 Nos (Vide TMBP-1)					
@ Rs 3488 = 69					Rs 6944 = 38
Refractory Pillar					
7 Nos (Vide TMBP-1)					
@ Rs 1584 = 05					Rs 11107 = 35
(2/2) Clearing and grub- -bing Road Land etc do-do. all comp. job					
1-20 Hec (Vide TMBP-2)					
@ Rs 52970 = 33					Rs 63564 = 39

(3/3) Construction of emb- -ankment with app- -roved material etc do-do. all comp. Lead up to 100m					
735.78 m ³ (Vide TMBP-3)					
@ Rs 143 = 20					Rs 105363 = 69
(4/4) Lead up to 100m					
746.62 m ³ (Vide TMBP-3)					
@ Rs 190 = 36					Rs 147837 = 38
(5/5) Construction of Sub- -grade and earthon shoulder etc do-do. all Comp. job.					
					Rs 334852 = 17

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		Lead up to 100m			
		850.57 m ³ (Vide TMBP-4)			
		@ Rs 192=04			Rs 163347=30
($\frac{6}{6}$)		Lead up to 100m			
		1984.71 m ³ (Vide TMBP-4)			
		@ Rs 155=15			Rs 307927=75
($\frac{7}{39}$)		Dismantling of exist- -ing structure etc do do all Comp. Cement Concrete			
		3.60 m ³ (Vide TMBP-4)			
		@ Rs 497=51			Rs 1792=11
($\frac{8}{40}$)		Dismantling of exist- -ing structure etc do do all Comp. Cement mortar			
		119.29 m ³ (Vide TMBP-4)			
		@ Rs 235=98			Rs 28150=05
($\frac{9}{41}$)		Removing all type of hume pipe etc do do all Comp.			
		a) upto 600mm dia 25 Rm (Vide TMBP-5)			
		@ Rs 181=13			Rs 4528=25
		b) Above 600mm to 900mm 10 Rm (Vide TMBP-5)			
		@ Rs 244=92			Rs 2449=20
($\frac{10}{42}$)		Construction of granu-			
		Rs 843046=85			

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		Sub-base etc do-do.			
		all Comp. job.			
		1073.00 m ³ (Vide TMBP-5)			
		112.50 m ³ (Vide TMBP-6)			
		1185.50 m ³ @ R2 1895 = 99			R2 2247696 = 14
	($\frac{11}{9}$)	WBm Grading 3:			
		Providing laying sp-			
		reading and Comp.			
		-acting stone etc			
		do-do all Comp.			
		373.09 m ³ (Vide TMBP-6)			
		@ R2 2502 = 83			R2 933780 = 84
	($\frac{12}{98}$)	Providing and laying			
		Rcc pipe etc do-do all			
		Comp. job.			
		60 Rm (Vide TMBP-7)			
		@ R2 951 = 98			R2 57118 = 80
	($\frac{13}{22}$)	Earthwork in exca-			
		-tion etc do-do all			
		Comp. job.			
		178.79 m ³ (Vide TMBP-7)			
		111.78 m ³ (Vide TMBP-8)			
		290.57 m ³			
		Limit 290.57 m ³ @ R2 2779 = 09			R2 81078 = 43
	($\frac{14}{23}$)	Providing Concrete			
		for plain reinforced			
		etc do-do all Comp.			
					R2 4162721 = 06

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
27.56 m ³ (vide TMBP-7)					
7.92 m ³ (vide TMBP-8)					
35.48 m ³ @ R ₃ 4175=29					R ₃ 148.139=28
($\frac{15}{37}$) Providing and laying					
Rcc pipe HP3 for					
culvert etc do. do.					
all comp.					
45 Rm (vide TMBP-8)					
@ R ₃ 4010=39					R ₃ 180467=55
($\frac{16}{26}$) Plain reinforced					
Cement concrete					
in Substructure etc					
do. do. all comp.					
202.45 m ³ (vide TMBP-7)					
16.21 m ³ (vide TMBP-11)					
218.66 m ³ @ R ₃ 4884=33					R ₃ 1068007=59
($\frac{17}{25}$) Supplying fitting and					
placing HYSO bar etc					
do. do. all comp. sub.					
0.15 m ³ (vide TMBP-8)					
@ R ₃ 51,392=63					R ₃ 7708=89
($\frac{18}{29}$) Providing Concrete					
for plain reinforced					
etc do. do. all comp.					
2.25 m ³ (vide TMBP-9)					
31.12 m ³ (vide TMBP-10)					
33.37 m ³ @ R ₃ 4690=10					R ₃ 156508=63
					R ₃ 5723553=20

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
($\frac{19}{29}$) Supplying fitting and placing HYSD bar etc do-do- all Comp.					
0.96 m ³ (vide TMBP-9)					
@ Rs 51538 = 61					Rs 49477 = 66
($\frac{20}{28}$) Plain reinforced cement concrete etc do-do- all Comp.					
9.99 m ³ (vide TMBP-9)					
@ Rs 5472 = 95					Rs 54674 = 77
($\frac{21}{33}$) Supplying fitting and placing HYSD bar etc do-do- all					
Comp. rub.					
0.37 m ³ (vide TMBP-10)					
@ Rs 52668 = 53					Rs 19497 = 35
($\frac{22}{32}$) Providing and laying reinforced cement concrete etc do-do- all Comp.					
4.37 m ³ (vide TMBP-10)					
@ Rs 6020 = 44					Rs 26309 = 32
($\frac{23}{31}$) Providing and laying filter media etc do-do- all Comp.					
19.81 m ³ (vide TMBP-11)					
@ Rs 2339 = 12					Rs 46397 = 96
					Rs 5919839 = 46

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
($\frac{24}{30}$) Back filling behind					
abutment with m wall					
etc do-do all comp.					
34.18 m ³ (note mBS-11)					
@ R ₈ 752 = 08					R ₈ 25706=09
					R ₈ 5945546=00
Add 12% G.S.T					R ₈ 7.13.465=w
1% L.Cou					R ₈ 59455=w
S f					R ₈ 65.690=w
					R ₈ 67.84.156=w
Below 21.96%					R ₈ 1489801=w
					R ₈ 52.94.355=w
<i>Sanjay</i> 05/01/2022					<i>Sanjay</i> 05/01/2022
<u>Material Statement</u>					
					E/W = 4347.70 m ³
					Stone chips = 1409.76 m ³
					Coarse Sand = 420.36 m ³
					Stone metal = 451.43 m ³
					Stone Screening = 89.54 m ³
					Reinforcement = 1.48 m.T
<i>Sanjay</i> 05/01/2022					<i>Sanjay</i> 05/01/2022

Continuation