

11.11.2021
515

સેલ નંબર ૨ નો ૩૦ થી રજૂનામર

Measurement Book

Schedule XLV-Form No. 134

અમદાવાદ શામલ-૦૧ રાજ્ય અમલ નં - **DIVISION**
૦૧૪૧૦-૧૦૧૮

અમદાવાદ શામલ-૦૧, અમલ નં - **SUB-DIVISION**
૦૧૪૧૦-૧૦૧૮

૨૧.૧૧.૨૦૨૧ → ૩૦.૧૧.૨૦૨૧ થી

596

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 measurements relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of Work - Construction and					
Live Vests Maintenance of Road					
From Railway Ground No-30 To					
Raghubathpur					
Agency - Kumaar Surendra Singh					
Start Commencement - 12-06-2020					
Date of Completion - 11-03-2021					
Agreement No. - 28 SBD/MMHdy/2020-21					

Details of Measurement					
1/ Setting out pillars					
(a) Bench mark pillars					= 1 No
(b) Reference pillars					= 1 No
2/ Clearing and grubbing road bed					
	10 X 2	30.00	X 3.50		= 2100.00 m ²
	3 X 2	25.00	X 4.00		= 600.00 m ²
					2700.00 m ²
					= 0.27 Ha
3/ Providing and fixing M.H.S.P. Light					
and Civilian Information Signboard					= 2 Nos
4/ Dismantling of existing structure					
(a) P.C.C. 1 X 3.50 X 1.50 X 0.15					= 0.81 m ³
(b) Brickwork 2 X 0.20 X 0.925 X 2					= 30.69 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1/ Heavy pipe 600 to 900 mm dia					
	1X	5.00			5.00 m
5/ providing and laying 300 mm dia RCC duct pipe					
	8X	2.50			20.00 m
CD Work 600 mm dia HPC					
6/ Earthwork excavation for foundation					
Head wall	$2 \times 3.90 \times 1.5 \times 0.150 = 1.3455 \text{ m}^3$				
Below pipe	$1 \times 5.311 \times 1.13 \times 0.250 = 1.50 \text{ m}^3$				
Below pipe	$1 \times 5.35 \times 1.13 \times 0.365 = 2.207 \text{ m}^3$				
					15.660 m ³
7/ providing 110 PCC as leveling course					

Head wall	$2 \times 3.90 \times 1.5 \times 0.150 = 1.3455 \text{ m}^3$				
Below pipe	$1 \times 5.311 \times 1.13 \times 0.25 = 1.500$				
					2.850 m ³
8/ plain Cement concrete in Substructure					
Head wall	$2 \times 3.600 \times \overset{(1.00+0.40)}{0.70} \times 2.780 = 14.011 \text{ m}^3$				
Parapet	$2 \times 3.600 \times 0.400 \times 0.600 = 1.728 \text{ m}^3$				
Less for pipe	$2 \times 0.7857 \times (0.830)^2 \times 0.53 = 1.0574 \text{ m}^3$				
					15.170 m ³
9/ providing and laying RCC NP3					
600 mm dia Heavy pipe					
	3X	2.50			7.50 m
CD Work 1000 mm dia HPC					
10/ Earthwork in excavation					

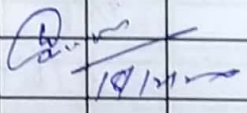
Continuation.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>for foundation</u>					
Head wall	2	6.45	1.40	1.50	$= 27.09 \text{ m}^3$
Below pipe	1	4.85	1.53	0.35	$= 2.708 \text{ m}^3$
					29.800 m^3
11/ Providing Mergade RCC as leveling					
<u>Concrete in open foundation</u>					
Head wall	2	6.45	1.40	0.150	$= 2.709 \text{ m}^3$
Below pipe	1	4.23	1.53	0.250	$= 1.986 \text{ m}^3$
					4.60 m^3
12/ Plain Cement Concrete in Substructure					
Head wall	2	6.45	$\frac{1.25+0.40}{2}$	1.30	$= 32.269 \text{ m}^3$
Intercept	2	6.15	0.40	0.60	$= 2.952 \text{ m}^3$
Under Pipe	2	2.25	$\frac{1.25+0.40}{2}$	0.60	$= 1.978 \text{ m}^3$
					33.740 m^3
13/ Providing and laying RCC MP					
<u>1000mm dia Head pipe</u>					
	3	2.50			$= 7.50 \text{ m}$
14/ Cost of Subgrade with					
<u>approved material</u>					
	10	30.00	7.86	0.30	$= 654.84 \text{ m}^3$
	4	15.00	7.50	0.30	$= 135.00 \text{ m}^3$
	1	15.00	8.30	0.30	$= 37.35 \text{ m}^3$
					827.19 m^3
(a) Lead upto 1000m					
	30%	of	827.19 m ³		$= 248.157 \text{ m}^3$
(b) Lead upto 100m					
	70%	of	827.19 m ³		$= 579.033 \text{ m}^3$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
15/ Gravel <u>Gravel</u>					
	1	15.00	$\frac{7.00+5.30}{2}$	0.20	21.45 m ³
	10	30.00	4.05	0.20	243.00 m ³
	2	30.00	4.05	0.20	48.60 m ³
					313.05 m ³
16/ <u>providing, laying, spreading and</u>					
<u>Compacting W.B.M. Grt. TT</u>					
	1	15.00	$\frac{8.70+5.00}{2}$	0.075	7.706 m ³
17/	10	30.00	3.75	0.075	84.375 m ³
	2	30.00	3.75	0.075	16.875 m ³
					108.956 m ³

Material Schedule

Grb-313.05 m ³	S/Chips-262.97 m ³	C/Sand-112.70 m ³
W.B.M. Grt. TT 108.956 m ³		
	S/Metal-131.84 m ³	S/Gravel-26.15 m ³
Leveling Course 7.45 m ³		
	S/Chips 5.96 m ³	C/Sand-3.58 m ³
PCC in Substructure 48.91 m ³		
	S/Chips-44.02 m ³	C/Sand-22.01 m ³
Earth- 827.19 m ³		
Shukra 18.11.2020 J.E.	 18/11/2020 J.E.	
Abstract of cost		
✓ Settling out pillar		

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1a) Bench Mark pillar					
city wide item 1(a) P(1)					
				= 1 No	
@ Rs 3841.42				= Rs	3841.00
b) Reference pillar					
city wide item 1(b) P(1)					
				= 1 No	
@ Rs 1738.02				=	1738.00
2) Clearing and grubbing, graded land					
city wide item no(2) P(1)					
				= 0.27 Ha	
@ Rs 51,133.76				= Rs	13,806.00
3) Providing and fixing HMCSS Logo and Citizen information board					
city wide item no(3) P(1)					
				= 2 Nos	
@ Rs 9199.72				= Rs	18,399.00
4) Distressing of structure					
a) PCC: city wide item 4(a) P(1)					
				= 0.81m ³	
@ Rs 484.74				= Rs	392.00
b) concrete city wide item 4(b) P(1)					
				= 32.69m ³	
@ Rs 231.77				= Rs	7113.00
c) 600 to 900mm dia H.P					
city wide item 4(c) P(1) = 5.00m					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
@ 236.34				= B	1182.00
5/ providing and laying 300mm dia RCC duct pipe					
Qty vide item no (5) P(2)					
				= 20.002	
@ B 886.78				= B	17735.00
6/ E/L in excavation for foundation					
Qty vide item no (6) P(2)					
				= 15.66 m ³	
Qty vide item no (10) P(3)				= 29.80 m ³	
				45.46 m ³	
@ 269.32				= B	12243.00
7/ providing Missand leveling work					
Qty vide item no (7) P(2)					
				= 2.85 m ²	
Qty vide item no (11) P(3)				= 4.60 m ²	
				7.45 m ²	
@ B 4604.97				= B	24307.00
8/ providing PCC in substructure					
Qty vide item no (8) P(2)				= 15.17 m ³	
Qty vide item no (12) P(3)				= 33.74 m ³	
				48.91 m ³	
@ B 5376.52				= B	262966.00
9/ providing NP 600mm dia Hume pipe					
Qty vide item no (9) P(2)					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				= 7.50 m	
@ Rs 991.25				= Rs	7440.00
10/ Providing RCC MP 1000mm dia					
Heave pipe					
Qty. vide item no 13/ P(3)				= 7.50 m	
@ Rs 3692.34				= Rs	27692.00
11/ Construction of Subgrade					
a/ Lead up to 100m					
Qty. vide item 14(a) P(3)					
				= 248.57 m ³	
@ Rs 176.58				= Rs	43892.00
(b) For Lead up to 100m					
Qty. vide item no 14(b) P(3)				= 579.03	
@ Rs 14.17				= Rs	81742.00
12/ Const. of Curb with well graded					
Material					
Qty. vide item no 15/ P(4)					
				= 313.05 m ³	
@ Rs 2328.37				= Rs	728896.00
13/ Providing, laying and compacting					
WBH Grt T/T					
Qty. vide item no 16/ P(4)					
				= 108.956 m ³	
@ Rs 3452.59				= Rs	376180.00
					Rs 16,39,564.00
Less 10% ds for Agreement				= Rs	163956.00
					Rs 14,75,608.00

Shukla
18.11.2020
J.E.

(Signature)
18/11/20
Ar