

DEHRI MORE TO DHIBRA.

Head: ^{Ministry} (Gen) Schedule XLV Form No. 134.

FIRO DIVISION

SAHAR SUB-DIVISION

Name of Contractor: N/S Progressive Construction.

Measurement Book

No.: 551

Agreement No.: 08/3BD/MMSY/2020-21.

Agreement. amount: ₹ 59,19,073=00

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.	
	Heads. M. 17.6.57 (G. 11)				
Name of work -	Construction of Road from Dehar 2				
	Road to Dehar 2				
Agency -	M/s Progressive Construction				
Agreement No -	08.SBD/M. 17.6.57/2020-21				
Date of Start of work -					
Date of Completion of work -					
	Detailed W/S				

① Setup out of pillars front of work				
Bench mark - as per fig 216				
i) Bench Mark pillars				1 No
ii) Reference pillar -				3 Nos
② clearing of grasses and grubbing				
of Road Land - all complete				
job as per fig 216				
$2 \times 9 \times 100.1 \times 0.50 / 10000$				= 0.63 Hec
③ construction of sub grade and				
B/S should be work approved				
- calculations - all complete job.				
$2 \times 100.1 \times 7.25 \times 0.30$				= 435.15 m ³
$2 \times 100.1 \times 7.276 \times 0.30$				= 436.56 "
$2 \times 100.1 \times 7.30 \times 0.30$				= 438.12 "
$2 \times 100.1 \times 7.276 \times 0.30$				= 436.56 "
				= 1745.76 m ³
				1746.12

Continuation

force position	$100.11 \times 3.75 \times 0.110 = 37.50 \text{ m}^3$
for exlors width up	$27.10 \times \frac{0+0.80}{2} \times 0.110 = 0.80 \text{ m}^3$
	$\frac{37.50 + 0.80}{2} = 698.90 \text{ m}^3$

⑤ Div layout spreader and control
Stone metal Grill with screen
washable - all completed job -

[illegible]

Continuation of

Particulars	Details of measurement				Contents of area
	No.	L.	B.	P.	
Pre-cast concrete	3 x 30m	0.145	0.075	2.15 m ²	
	2 x 20m	0.145	0.075	1.20 m ²	
Perimeter	100m	3.75	0.075	28.125 m ²	
Pre-cast concrete	2 x 10m	0.145	0.075	4.60 m ²	
				2.075 m ²	

⑥ Construction of embankment with materials

obtained from prospect					
compacted to subgrade of 1:1					
Sl. No.	Ch.	C/S	Mean	Distance	Rate of
		Top	C/S		Excavation
		M2	M2	M	m ²
1-	0	4.385			
2-	50	4.598	4.488	50m	224.40 m ²
3-	100	4.300	4.445	50m	222.25 m ²

4.	150	4.560	4.430	50m	221.50 m ²
5.	200	4.391	4.476	50m	223.80 m ²
6.	250	4.481	4.436	50m	221.80 m ²
7.	300	4.668	4.575	50m	228.75 m ²
8.	350	4.503	4.586	50m	229.30 m ²
9.	400	4.413	4.458	50m	222.90 m ²
10.	450	4.560	4.487	50m	224.35 m ²
11.	500	4.330	4.445	50m	222.25 m ²
12.	550	4.503	4.417	50m	220.85 m ²
13.	600	4.519	4.511	50m	225.55 m ²
14.	650	4.439	4.479	50m	223.95 m ²
15.	700	4.345	4.392	50m	219.60 m ²
16.	750	4.676	4.511	50m	225.55 m ²
17.	800	2.541	3.609	50m	180.45 m ²
18.	850	2.539	2.396	50m	119.50 m ²

Continuation of ⑥ = 3656.75 m²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	Qty. D.P.	
19.	900	2.129	2.184	50.00	109.20
					3765.95 m ³
					3012.76 m ³
Deduct for concrete					
(i) Subgrade		1745.76 m ³			
(ii) G.S.B.		678.90			
(iii) W.B.M. G.S.B.		258.075			
					2702.095 m ³
					198.186
(iv) For 1000 m Lead					198.416 m ³
(v) For 1000 m Lead					111.479
					146.609 m ³
H.P. culvert (600mm dia)					
(7) E/W in excavation in foundation and trench as per drawing					

H.W.	2 x 3.90 x 1.15 x 1.50	= 13.455 m ³
Below pipe	1 x 5.350 x 1.13 x 0.365	= 2.207
		= 15.660 m ³
		= 46.980 m ³
(8) P.W. and lay up m/s grade conc. in open foundation as per drawing		
	2 x 3.90 x 1.15 x 0.150	= 13.455 m ³
	1 x 5.311 x 1.130 x 0.250	= 1.500
		= 2.850 m ³
		= 8.55 m ³
(9) P.W. and lay up m/s grade conc. in sub structure as per drawing		
	2 x 3.60 x 0.70 x 2.780	= 14.011 m ³
	2 x 3.60 x 0.40 x 0.600	= 1.728
	2 x 0.7857 x (0.830) ² x 0.530	= 0.574
		= 15.170 m ³
		= 15.510 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(10) P/W and Laying Rec Hume pipe N/B for culvert as per det of E.D.					
	3x	2.50 m			= 7.50 m ²
	2x	N.B x 7.5 m			= 22.50 m ²
(11) P/W forming two chals with roof of gutter with synthetic enamel paint - all complete					
	2x	3.60 x 0.40			= 2.880 m ²
	4x	3.60 x 0.60			= 8.640 "
	4x	0.40 x 0.60			= 0.960 "
					= 12.480 m ²
	3 HD	x 12.480 m ²			= 37.44 m ²
(12) P/W and Laying of reinforced concrete conc. pipes dual 30 mm dia as per det of E.D.					
	4x	10.00 m			= 40 m ²
As per 10/11/2020 AE					
Sf rec'd 10/11/2020 A.E.					

ABSTRACT OF COST

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Date of compy - 12/10/2020					
① PW and fixing of working bench					
work/Reference pillars -					
Qty. v. r. m. B. 2/P - 1					
i) Bench mark pillars -					
1 No. c/m 3680.20/each					Rs 3680.20
ii) Reference pillars -					
4 No. c/m 1692.29/each					Rs 5077.20
② clearing and grubbing of Road					
Level - at Comp. job -					
Qty. v. r. m. B. 2/P - 1					
= 0.63 Hec c/m 49496.70/Hec					Rs 31183.00
③ construction of embankment - work					
material ordered from borrow					

pit - all comp. job.					
Qty. v. r. m. B. 2/P - 4					
i) Per 1000 m Road -					
= 198.186 m ³ c/m 174.83/m ³					Rs 34649.00
ii) Per 100 m Road -					
= 111.479 m ³ c/m 130.84/m ³					Rs 14588.00
④ construction of subgrade/Earthwork					
shoulder work approved material,					
Qty. v. r. m. B. 2/P - 1					
= 1746.12 m ³ c/m 176.42/m ³					Rs 308138.00
⑤ construction of G.S.B by providing					
well graded material -					
Qty. v. r. m. B. 2/P - 2					
= 698.90 m ³ c/m 2572.14/m ³					Rs 1797669.00
⑥ PW, laying spreading and compaction					
Continuation c/m Rs 2194984.00					

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Stone masonry in wall complete					2144484 =
Qty of stone in wall					
= 228.075 m ³ at 3606.17/m ³					930662 =
(7) E/W excavation in R.T.					
Qty of stone in wall					
= 46.980 m ³ at 260.59/m ³					12243 =
(8) Div and layup 115 grade concrete in open foundation					
Qty of stone in wall					
= 8.55 m ³ at 5169.12/m ³					44196 =
(9) Div and layup 115 grade concrete in sub structure					
Qty of stone in wall					
= 45.510 m ³ at 6016.93/m ³					273830 =
(10) Div and layup 115 grade concrete in pipe					
Qty of stone in wall					
= 22.55 m ³ at 1072.22/m ³					24125 =
(11) Putting two coats over a coat of primer with synthetic enamel paint					
Qty of stone in wall					
= 37.44 m ² at 95.63/m ²					3580 =
(12) Div and layup of 115 grade concrete duct of 300 mm dia					
Qty of stone in wall					
= 40 m ³ at 918.87/m ³					36755 =
					3520375 =
Add 12% C.T.					422445 =
Continuation					3942820 =

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