

ନିଆଁ ମିଳୁଅଛି ଶିଳ୍ପ - Parera Giorgama Partin to
Dhankhar tal

Schedule XLV-Form No. 134

Parera DIVISION

Giorgama SUB-DIVISION

M.B. No - 235

2020-21

Measurement Book

ନିଆଁ ମିଳୁଅଛି ଶିଳ୍ପ - ୨୨୨୨୨୨

Sch. XIV Form No. 184					
Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	2nd On A/c bill				
HPW - Construction of road from					
Parsa Gurgama path to Dhankhor					
TAK under HABARD-					
MAgency- Binsaleswar yadar.					
Coext. Pvt Ltd.					

Agreement no- 32 SBD/2020-21

Date of agreement - 19-12-2020.

Date of start - 19-12-2020.

Date of entry - 20-5-2021.

Details

① Earthwork in excavation

R.C. Culvert
5.0 x 2.0 - 110

$$2 \times 9.3 \times 2.7 \times 1.8 = 90.40 \text{ m}^3$$

$$4 \times 1.6 \times 2.488 \times 1.8 = 28.66 \text{ m}^3$$

$$1 \times 8.9 \times 4.73 \times 0.25 = 10.52 \text{ m}^3$$

$$2 \times 1.20 \times 1.0 \times 1.800 = 40.32 \text{ m}^3$$

$$2 \times 0.6 \times 1.0 \times 1.80 = 2.16 \text{ m}^3$$

$$2 \times 2.1 \times 1.0 \times 1.80 = 7.56 \text{ m}^3$$

$$1 \times 9.2 \times 0.8 \times 0.25 = 1.38 \text{ m}^3$$

$$1 \times 9.2 \times 2.1 \times 0.25 = 4.83 \text{ m}^3$$

$$185.83 \text{ m}^3 \text{ incl} - 18109 \text{ m}^3$$

(2) Sand filling in formwork

$$1 \times 8.90 \times 4.625 \times 0.1 = 4.12 \text{ m}^3$$

(3) P.C.C. mix in bedding course

$$2 \times 9.3 \times 2.7 \times 0.20 = 10.04 \text{ m}^3$$

$$4 \times 1.6 \times 2.488 \times 0.2 = 3.19 \text{ m}^3$$

$$1 \times 8.9 \times 4.734 \times 0.15 = 6.32 \text{ m}^3$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
catenary wall-	2	11.20	1.0	0.15	3.36 m ³
	2	0.60	1.4	0.15	0.18 m ³
	2	2.1	1.0	0.15	0.63 m ³
	1	11.0	1.5	0.15	2.48
	1	11.0	3.0	0.15	4.95
					31.14 m ³
(4) P.C.C. mis in open foundation					
below GL-	2	8.4	2.58	1.80	1.6 = 57.99 m ³
	4	1.6	2.288 + 1.588	1.6	= 19.85 m ³
	2	1.0	0.80 + 0.325	1.5	= 19.39 m ³
	2	0.913	0.8 + 0.325	1.5	= 16.1 m ³
	2	2.413	0.8 + 0.325	1.5	= 4.75 m ³
					102.88 m ³
(5) P.C.C. mis in Sub Structure					
above GL-	2	7.5	1.6 + 0.2	1.8	= 31.05 m ³
	4	1.9	1.383 + 0.4	2.28	= 15.45 m ³
					116.50 m ³
(6) R.C.C. M20 in Sub Structure					
Cap-	2	7.5	0.70	0.2	= 2.10 m ³
Dist-	2	7.5	0.7	0.4	= 1.94 m ³
Parapet-	2	11.0	0.4	0.6	= 5.28 m ³
					9.32 m ³
(7) R.C.C. M25 in Rect slab					
	1	7.5	5.76	0.43	= 18.58 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(8) HYSD bar					
(i) Cap- $2.10 \text{ m}^3 @ 70 \text{ kg/m}^3 =$					147.0 kg
(ii) Brk- $1.94 \text{ m}^3 @ 70 \text{ kg/m}^3 =$					135.8 kg
(iii) Deck slab- $18.58 \text{ m}^3 @ 80 \text{ kg/m}^3 =$					1486.40 kg
					1448
					1769.2 kg
					= 1.769 MT.
(9) Providing joint sealing					
					$2 \times 7.5 = 15.0 \text{ m}$
(10) GSB grad in c.c. Portion					
Ch-394-498 $2 \times 15.0 \times 3.75 \times 0.1 =$					11.25 m^3
					$2 \times 15.0 \times 3.95^{\text{AV}} \times 0.1 =$
					11.85 m^3
					$2 \times 15.0 \times 3.85 \times 0.1 =$
					11.55 m^3
					$1 \times 14.0 \times 3.75 \times 0.1 =$
					5.25 m^3
					39.90 m^3
(11) WBM 4r-3 in c.c. Portion					
Ch 394-498 $2 \times 15.0 \times 3.75 \times 0.075 =$					8.44 m^3
					$2 \times 15.0 \times 3.95 \times 0.075 =$
					8.89 m^3
					$2 \times 15.0 \times 3.85 \times 0.075 =$
					8.66 m^3
					$1 \times 14.0 \times 3.75 \times 0.075 =$
					3.94 m^3
					29.93 m^3
(12) c.c. Pavement mso					
Ch 394-498 $2 \times 15.0 \times 3.75 \times 0.16 =$					18.00 m^3
					$2 \times 15.0 \times 3.95 \times 0.16 =$
					18.96 m^3
					$2 \times 15.0 \times 3.85 \times 0.16 =$
					18.48 m^3
					$2 \times 15.0 \times 3.85 \times 0.16 =$
					18.48 m^3
					$1 \times 14.0 \times 3.75 \times 0.16 =$
					8.40 m^3
					63.84 m^3
					63.84 m^3

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(13) 4513-92 J W BT Park					
Ch-0-394 Remasur -	26	15.0	4.05	0.20	$= 315.90 m^3$
	1	4	4.05	0.20	$= 3.24 m^3$
498-917	27	15.0	4.05	0.2	$= 328.05 m^3$
	1	14.0	4.05	0.2	$= 11.34 m^3$
					<u>$658.53 m^3$</u>
(14) 4513-92 J W BT Park					
	26	15.0	3.75	0.075	$= 109.69 m^3$
	1	4.0	3.75	0.075	$= 1.12 m^3$
	27	15.0	3.75	0.075	$= 113.91 m^3$
	1	14.0	3.75	0.075	$= 3.94 m^3$
					<u>$228.66 m^3$</u>
(14) Prime cut -					
Ch-0-394	26	15.0	3.75		$= 1462.50 m^2$
	1	4.0	3.75		$= 15.00 m^2$
498-917	27	15.0	3.75		$= 1518.75 m^2$
	1	14.0	3.75		$= 52.50 m^2$
					<u>$3048.75 m^2$</u>
					Limit - 3030.00 m ²
(15) Tree cut -					
					Qty Same as Item 14 - 3030.00 m ²
(16) Mix Seal Surfacing -					
					Qty Same as Item 14 - 3030.00 m ²
(17) Subgrade and earth Shoulder -					
	2	26	15.0	1.675	$AV \times 0.275 = 359.29 m^3$
	2	1	4.0	1.675	$AV \times 0.275 = 3.68 m^3$
	2	27	15.0	1.675	$AV \times 0.275 = 373.11 m^3$
	2	1	14.0	1.675	$AV \times 0.275 = 12.90 m^3$
					<u>$748.98 m^3$</u>

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(18) (i) Km post -					2.0 No
(ii) 200 m post -					4.0 No.
(19) Traffic sign -					
(i) 600 mm Triangula -					6.0 No.
(ii) 600 x 450 mm rectangle					4.0 No.
(20) Road marking in BT Pavement					
Ch. 0-394	2x	394.0m	0.1		$= 78.80 \text{ m}^2$
498-917	2x	419.0m	0.1		$= 83.80 \text{ m}^2$
					162.60 m^2
					160.00 m
(21) Road marking in c.c. Pavement					
Ch. 394-498	2x	104.0	0.1		$= 20.80 \text{ m}^2$
(22) Logo board -					3.0 No.

15.6.2021
J.E.

Particulars	Details of actual measurement				Contents of area	
	No.	L.	B.	D.		
		Abstract of work				
(1) Setting out pillars						
7.0 No. of P-3 per no-1						
Rs 2538.98/each			B	17,773=00		
(2) Clearing and grubbing material						
0.317 Ha. of P-3 per no-2						
Rs 49496.70/Ha			B	15,690=00		
(3) Construction of embankment						
(1) Lead 1000 m						
226.25 m ² of P-3 per B						
Rs 175.11/m ²			B	39,619=00		
(1) Lead 100 m						
905.00 m ² of P-3 per B						
Rs 139.90/m ²			B	1,26,610=00		
(4) GSB 48-5 in BT Park						
658.53 m ² of P-10 per 19						
Limit - 654.48 m ²						
Rs 3473.44/m ²			B	22,73,297=00		
(5) WBM 48-5 in BT Park						
228.66 m ² of P-10 per 10						
Limit - 227.15 m ²						
Rs 4294.91/m ²			B	9,76,018=00		
(6) Prime coat						
3030.0 m ² of P-10 per 14						
Rs 41.65/m ²			B	1,26,200=00		
(2) Tack coat						
3030.00 m ² of P-10 per 15						
Rs 14.12/m ²			B	42,784=00		
Continuation				36,17,991=00		

36,17,991=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(8) Mix Seal Surfaces					
3030.00 m ² size 10 ft 16					
CB 214.80/m ²					R 6,49,935=00
(9) GSB 40-5 in c-c path					
39.90 m ² size 9 ft 10					
Cut - 39.77 m ²					
CB 3473.44/m ²					R 1,38,139=00
(10) WBM 40-5 in c-c path					
29.93 m ² size 9 ft 11					
Cut - 29.83					
CB 4294.91/m ²					R 1,28,117=00
(11) C.C. Pavement m ²					
63.84 m ² size 9 ft 1-					
Cut - 63.63 m ²					
CB 8001.82/m ²					R 5,09,156=00
(12) (i) Kerb Post					
2.0 No size 11 ft 18					
CB 2520.80/each					R 5,042=00
(ii) 200 mm Post					
40 No size 11 ft 18					
CB 655.75/each					R 2,623=00
(13) Traffic Sign					
(i) 600 mm Triangular					
60 No size 11 ft 19					
CB 3345.33/each					R 20,072=00
(ii) 600 x 450 mm rectangular					
40 No size 11 ft 19					
CB 4356.91/each					R 17,428=00
Continuation					R 50,88,503=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(14) Road marking in BT Puck					
160.00 m ² near P-11 from 20.					
CB 735.40/m			B	1,17,664=00	
(15) Road marking in C.C. Puck					
20.80 m ² near P-11 from 21					
CB 820.58/m ²			B	17,068=00	
(16) Logo band -					
200 NO near P-4 from 6					
300 NO near P-11 from 22					
500 NO					
CB 10873.94/each			B	54,370=00	
(17) Earth work in excavation					
205.782 m ³ near P-4 from 7					
CB 260.59/m ³			B	53,645=00	
(18) Sand filling					
1.17 m ³ near P-4 from 8					
CB 449.06/m ³			B	525=00	
(19) P.C.C MIS in foundation					
28.60 m ³ near P-4 from 9					
CB 6417.84/m ³			B	1,83,550=00	
(20) P.C.C MIS in foundation					
122.941 m ³ near P-4 from 10					
CB 6417.84/m ³			B	8,21,105=00	
(21) P.C.C MIS in Sub-Structure					
39.159 m ³ near P-4 from 11					
CB 6945.12/m ³			B	2,71,964=00	
			B	66,08,374=00	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(22) R.C.C. M20 in Cap, Distwalele					
18.14 m ³ depth 4 ft run 12					
CB 7312.06/m ³			B	1,32,641=00	
(23) R.C.C. M20 in Deck slab					
15.898 m ³ depth 4 ft run 13					
CB 8359.60/m ³			B	49,305=00	
(24) HYSD bar					
1.035 MT depth 4 ft run 14					
CB 54436.95/MT			B	56,342=00	
(25) Earth work in excavation					
181.09 m ³ depth 7 ft run 1					
CB 260.59/m ³			B	47,190=00	
(26) Sand filling					
4.12 m ³ depth 2 ft run 2					
CB 449.06/m ³			B	1,850=00	
(27) R.C.C. M15 in level layer					
31.14 m ³ depth 8 ft run 3					
CB 6417.84/m ³			B	1,99,852=00	
(28) R.C.C. M15 in open foundation					
102.88 m ³ depth 8 ft run 4					
CB 64.17.84/m ³			B	1,99,852=00	
(29) R.C.C. M15 in substructure					
46.50 m ³ depth 8 ft run 5					
CB 6945.12/m ³			B	3,22,948=00	
(30) R.C.C. M20 in substructure					
9.32 m ³ depth 8 ft run 6					
CB 7312.06/m ³			B	68,148=00	
			B	81,46,917=00	

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(31) P.C.C. Mass in Deck Slab					
18.58 m ³ net P-8 per m ³					
CB 83 59.60/m ³			B 1,55,321=00		
(32) HYSD bars					
1.769 m ³ net P-9 per m ³					
CB 544 36.95/m ³			B 96,299=00		
(33) Joint Sealing					
15.0 m net P-9 per m ³					
CB 35.19/m			B 528=00		
(34) Subgrade and earth shoulder					
748.98 m ³ net P-10 per 17					
CB 126.78/m ³			B 1,32,382=00		
			B 85,31,447=00		

1.7. 1. e B 88,314 = 00

B 96,40,535.00

~~Prüfungsausschuss (P) 37/39,875/20~~~~R. 59,00,660 = 00~~

less 16.79% below $-3/16, 18, 646 = 00$

$$R_{80,21,889} = 00$$

Previously paid $\rightarrow B$ 37,39,875 = 00

$$R_5 \ 42,82,014 = 00.$$

02/5.6-2021

15-06-2024