

ପ୍ରାଥମିକ ମାପକରଣ ଓ ପ୍ରାଥମିକ
ମାପକରଣ (55)

Schedule XLV-Form No. 134

Executive Engineer
R.W.D. Works Division

Barbhangra-1

DIVISION

Balesh

SUB-DIVISION

Measurement Book

M.P. No. 3538 ଓଡ଼ିଶା
୧୪.୩.୧୧.୫୧

Name of Work: Construction of Road with
Maintenance work from Bawra -
Mushari PMSEY to Rayma Tola.
1 Length: 2.000 KM.

Name of Work:
Situation of Work: at Block - Mushari
Agency by which work is executed: SAM Enterprises
Date of Measurement: 20.08.2020
No. and date of agreement: 20.08.2020
(These four lines should be repeated in the continuation of the measurement relating to each work)

Particulars	Details of actual measurement	Contents of area
	No. L B D	
Estimated Cost: Rs. 233,12,137.00		
Agreement Value: Rs. 22,04,32,81,00		
Rate: - 0.11 % Below from B.O.Q. Rate.		
Date of Start: - 07.08.2020.		
Date of Completion: - 06.08.2021.		

- | | | |
|---|---|---------|
| ① | Boarding and fixing
Bench mark Pillars | 3 Nos. |
| ② | Boarding and fixing
reference mark pillars | 11 Nos. |
| ③ | Clearing and Grubbing
Road Land | do-do |

$$88 \times 30.00 \times 3.50 = 9240.00 \text{ m}^2$$

$$1 \times 20 \times 3.50 = 70.00$$

$$9310.00 \text{ m}^2$$

Say 0.931 Hect.

Hume Pipe CULVERT.
RCC CULVERT.

- | | | |
|---|--|--------|
| ④ | Earthwork in excavation in
found trenches | do-do. |
| | 600 mm ϕ H.P. | |

$$3 \times 2 \times 4.30 \times 1.40 \times 1.47 = 53.10 \text{ m}^3$$

$$3 \times 1 \times 5.78 \times 1.07 \times 0.25 = 4.64$$

1000 mm ϕ H.P.

$$3 \times 2 \times 6.45 \times 1.40 \times 1.50 = 81.27$$

$$3 \times 1 \times 5.78 \times 1.53 \times 0.25 = 6.63$$

$$c.o.Q = 145.64 \text{ m}^3$$

Continuation

2ND ON A/C BILL.

ABSTRACT OF COST

①

Providing and fixing
benchmark pillars and

V.P. $\frac{15}{1}$ 3 Nos.

@ Rs. 3940 = 84/each Rs. 11,823:00

②

Providing and fixing
reference mark pillars.

V.P. $\frac{15}{2}$ 11 Nos.

@ Rs. 1816 = 60 each Rs. 19,983:00

③

Clearing and Grubbing rd. Land

V.P. $\frac{15}{3}$ 0.93 / Hect.

@ Rs. 51133 = 76/Hect Rs. 47,606:00

c. o. Rs. 79,412:00

Continuation

Est. Form No. 1					
Particulars	Details of actual measurement			Contents of area	
	No.	L	B		
(1) Excavation for foundation					
(2) Excavation for foundation					
(3) Excavation for foundation					
(4) Excavation for foundation					
(5) Earthwork in foundation trench					
V.P.	15				
	(4)				
@ Rs. 269.32/m ³					Rs. 6877.00
(6) Providing PCC M-15 in open fund					
V.P.	15				
	(5)				
@ Rs. 5529.61/m ³					Rs. 1,54,110.00
(7) Head Wall Brick masonry in c.m. (1:4)					
V.P.	15				
	(6)				
@ Rs. 5775.57/m ³					Rs. 7,06,410.00
(8) Bedding for local sand					
V.P.	16				
	(7)				
@ Rs. 453.20/m ³					Rs. 7,736.00
(9) Providing, laying and fixing 600mm dia N.P.3 Kym pipe					
V.P.	16				
	(8)				
@ Rs. 2595.61/m					Rs. 58,401.00
(10) Providing, laying and fixing 1000mm dia N.P.3 Kym pipe					
V.P.	16				
	(9)				
@ Rs. 3604.31/m					Rs. 81,097.00
(11) plastering in c.m. (1:4)					
V.P.	16				
	(10)				
@ Rs. 171.36/m ²					Rs. 25,010.00
C.O. Rs. 11,19,053.00					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11.)	Providing RCC M-20 in				Rs. 11,15,088.00
	apartment slab				
	V.P. $\frac{16}{11}$		80.33 m ²		
			@ Rs. 6110.70/m ²		Rs. 4,93,688.00
(12.)	Providing RCC M-20				
	V.P. $\frac{16}{12}$		28.02 m ²		
			@ Rs. 6296.32/m ²		Rs. 1,76,423.00
(13.)	Providing deep holes				
	V.P. $\frac{17}{13}$		49 Nos.		
			@ Rs. 111.27 each		Rs. 5,452.00
(14.)	Reinforcement.				
	V.P. $\frac{17}{14}$		69.38 kg.		

			@ Rs. 48986.32/t.		Rs. 3,399.00
(15.)	Providing RCC M-20 in				
	apartment slab				
	V.P. $\frac{17}{15}$		3.68 m ³		
			@ Rs. 6296.32/m ³		Rs. 23,170.00
(16.)	Back filling with local soil.				
	V.P. $\frac{17}{16}$		54.00 m ³		
			@ Rs. 453.20/m ³		Rs. 24,473.00
(17.)	Providing filter media				
	V.P. $\frac{17}{17}$		21.60 m ³		
			@ Rs. 453.20/m ³		Rs. 9,789.00
(18.)	Reinforcement in deck slab.				
	V.P. $\frac{17}{18}$		7829 kg.		
			@ Rs. 5003.61/t.		Rs. 35,025.00

C.O. Rs. 18,90,467.00.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					Rs. 18,30,467.00
(19) Providing RCC M25 in slab slab - 1.00 m					
V.P. $\frac{17}{19}$			6.78 m ²		
@ Rs. 7189 = 38/m ²					Rs. 46,587.00
(20) Providing RCC in coping					
V.P. $\frac{17}{20}$			7.42 m.		
@ Rs. 408 = 63/m					Rs. 3,032.00
(21) Providing and filling joint Sealing - 1.00 m					
V.P. $\frac{18}{21}$			15.00 m.		
@ Rs. 38 = 08/m					Rs. 571.00
(22) Construction of embankment with material obtained from borrow pits with					
(a) Lead up to 1000 M.					
V.P. $\frac{18}{22(a)}$			1845.45 m ³		
@ Rs. 175 = 22/m ³					Rs. 3,23,360.00
(b) Lead up to 100 M.					
V.P. $\frac{18}{22(b)}$			4306.05 m ³		
@ Rs. 139 = 85/m ³					Rs. 6,02,201.00
(23) Excavation work in soil with hydraulic excavator.					
V.P. $\frac{18}{23}$			64.50 m ³		
@ Rs. 74 = 16/m ³					Rs. 4,783.00

C.O. Rs. 28,71,001.00

Continuation

24	Providing & laying		
	sub-base D.H. of all		
	graded material of		
	grading material d.d.		
V.P.	$\frac{18}{24}$	1329.437m ³	
V.P.	$\frac{23}{1}$	261.020m ³	
		1590.457m ³	
	@ Rs. 298 = 12/m ³	Rs. 46,33,192:00	

25	Providing & laying		
	grade-3 D.H. screening		
V.P.	$\frac{18}{25}$	504.353m ³	
V.P.	$\frac{25}{1}$	254.123m ³	
		758.476m ³	
	@ Rs. 3680 = 88/m ³	Rs. 27,91,859:00	

26	Providing C.C. Pavement		
	M-20 in road & d.d.		
V.P.	$\frac{19}{26}$	546.47m ³	
	@ Rs. 6990 = 42/m ³	Rs. 38,20,055:00	
		Rs. 1,41,16,107:00	
Add. GST	12%	Rs. 16,93,933:00	
" Labour less. 1%		Rs. 1,41,161:00	
" Signiorage Fee		Rs. 28,274:00	
	from page No. 30.	Rs. 1,59,79,475:00	
Less 0.11% as per agreement		Rs. 17,577:00	
		Rs. 1,59,61,898:00	
Less against Bid Vt.		Rs. 1,41,98,779:00	
		Rs. 17,63,119:00	

16.02.2021
 Continuation
 18/04/21
 AC
 17/4/21