

355BD of 19-20

408

Arjunaki Ghat to Pipriya

Measurement Book

Schedule XLV-Form No. 134

Bagha - 2

DIVISION

Pipriya

SUB-DIVISION

1st On A/c Bill

1

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 from					
from Arjunahi ghat to					
Pipriya					
Agency: Vijay raj meher, west					
Champana					
Agreement No: 25 S.D of 19-20					
Agreement Amount: Rs 9544044 = ∞					
Date of start: 31.01.2020					
Date of completion: 30.01.2021					

Reward measure					
1. Construction of working dam:					0.930 km
2. Clearing and grubbing of road land					
					$2 \times 31 \times 30 \times 1.50 = 2790 \text{ m}^2$
					Say: 0.28 Hectar
3. Construction of embankment					
					$31 \times 30 \times \left(\frac{6+7}{2} - \frac{4+3.5}{2} \right) \times 0.80 = 2046 \text{ m}^2$
Construction of embankment					
level up to 100 m					613.8 m ²
Construction of embankment					
level up to 100 m					1432.20 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4 Excavation for road					
	2x17	30.00	0.525	0.100	53.55 m ³
	2x1	20.00	0.525	0.100	2.10 "
	2x13	30.00	0.375	0.100	29.25 "
	2x1	10.00	0.375	0.100	0.75 "
			Total		85.65 m ³
5 Construction of G.S.D					
	2x17	30.00	0.525	0.100	53.55 m ³
	2x1	20.00	0.525	0.100	2.10 m ³
	17x	30.00	4.050	0.100	206.55 m ³
	1x	20.00	4.050	0.100	8.10 "
	2x13	30.00	0.375	0.100	29.25 m ³
	2x1	10.00	0.375	0.100	0.75 m ³
	8x	10.00	1.50	0.100	12.00 m ³
	6x	5.50	1.00	0.15	4.95 "
	6x	6.68	1.30	0.10	5.37 "
less Culvert leg	3x2	20.00	4.050	0.100	(12.45)
			Total		320.9 m ³
Repairs to					
04/05/21					
Revised measure					
1 Provisional quantity					
WOM Gr-1					
	31x	30.00	3.75	0.075	261.56 m ³
	1x	9.22	3.75	0.075	2.62 "
less above	3x	2.00	3.75	0.075	(1.69)
			Total		262.49 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2 Const					
	13	30.00	3.75	0.160	234.00 m ²
	1	14.00	3.75	0.160	8.40 m ²
			Total		242.40 m ²
Alga					
	20/05/24				
	12				
Revised measure					
2 Const of					
earthen shoulder					
	2	12	30.00	1.45	0.175 = 206.12 m ²
	2	1	14.00	1.51	0.175 = 7.40
	2	17	30.00	1.50	0.100 = 153.00
	2	1	20.00	1.50	0.100 = 6.00
	2	17	30.00	1.40	0.075 = 107.10
	2	1	20.00	1.44	0.075 = 4.20
			Total		483.82 m ²
Box Culvert					
			(3 x 2m x 2m)		
Earth work in excavation					
Left	3	2.50	5.20	0.55	21.45 m ²
Right	3	2.00	6.50	0.50	58.50
Side	3	8.50	1.50	0.60	22.95
	3	8.50	2.20	0.60	33.66
Side	3	9.25			27.75
Leaky					
			Total		164.31 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(i) sand fully in foundation					
Left	3X	2.50X	5.20X	0.15	5.85 m ²
Right	3X	2X	6.50X	0.50X 0.10	1.95 "
			Total =		7.80 "
(ii) Prov. PCC m/s in foundation					
Left	3X	2.50X	5.40X	0.15	6.08 m ²
Right	3X	2X	6.50X	0.50X 0.30	5.85 "
			Total		11.93 m ²
(iv) supply fitting and plumbing					
Hydr. bar in main					
10mm	3X	2X	2X	12X 1.36	= 195.84 m
Main bar in R/W 10 mm					
Sewer up to sub level					
	3X	4X	2X	11X 3.55	= 937.20 m
Distribution bar in cut off					
10mm & 50mm	3X	2X	2X	6X 6.50	= 468 m
Distribution bar in R/W above bed level 10mm & 50mm					
@ 10mm & 50mm	3X	4X	2X	13X 2.25	= 702 m
Main bar in R/W (upper floor) 10mm & 50mm					
@ 10mm & 50mm	3X	2X	40X	2.10	= 600 m
Distribution bar in R/W					
	3X	2X	11X	6.00	= 396 m

Continuation

Particulars	Details of actual measurement				Contents of area	
	No.	L.	B.	D.		
Main bar in Abutment						
Inner side of SVX 10mm ϕ bar						
	3X	2X	30X	2.10	= 4.50 m	
Main bar in Abutment						
Outer side of SVX 10mm ϕ bar						
	3X	2X	40X	3.80	= 9.12 m	
Distribution bar in Abutment						
10mm ϕ bar @ 200mm c/c						
	3X	4X	11X	6.0	= 7.92 m	
Angle bar connecting to						
Rtth of Abutment 10mm ϕ bar						
	3X	2X	40X	1.40	= 3.36 m	
Header bar connecting to						
Rtth of abutment 8mm						
ϕ bar in sole						
	3X	2X	40X	1.15	= 2.76 m	
Overlap bar 10mm ϕ bar						
	3X	34X	0.40		40.80 m	
Chair bar 10mm ϕ bar						
	3X	2X	4X	1.25	= 3.0 m	
(V) Providing RCC M25 in box						
culvert						
Rtth	3X	6.00X	2.50X	0.25	11.25 m ³	
Chw of M25	3X	2X	6.50X	0.30X	0.85	9.945 m ³
				Total	21.195 m ³	
Prepared by						
25/05/24						
JE						

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Record Measurements</u>					
(i) Supplying, fitting and flange HySD bar in slab					
Main bar (lower side) 12mm					
ϕ bar @ 150mm c/c					
$3 \times 1 \times 40 \times 2.50$					= 300m
Main south slab (upward side)					
10mm ϕ bar @ 150mm c/c					
$3 \times 40 \times 2.50$					= 300m
Distribution bar in slab 10mm ϕ					
bar @ 150mm c/c					
$3 \times 2 \times 11 \times 6.00$					= 396m
Angle bar connecting to slab					
and abutment 8mm ϕ bar @ 150mm c/c					
$3 \times 2 \times 40 \times 1.40$					= 336m
Front bar connecting to slab					
and abutment 8mm ϕ bar @ 150mm c/c					
$3 \times 2 \times 40 \times 1.15$					= 276m
(ii) Provide Ree Mass in abutment					
Abutment $3 \times 2 \times 6.00 \times 0.25 \times 2.00$					= 18.00 m ³
R/L $3 \times 4 \times 2.00 \times \frac{10.10 + 2.5}{2} \times 2.25$					= 14.85
Mound $3 \times 4 \times \frac{1}{2} \times 6.00 \times 0.15 \times 0.15$					= 0.81
Total					<u>33.66 m³</u>
(iii) Provide weep holes					
$3 \times 2 \times 5 \times 2$					= 60 m
(iv) Supplying, fitting and flange HySD bar in parapet					
10mm ϕ bar @ 200mm c/c					
$3 \times 2 \times 2 \times 12 \times 1.00$					= 144m

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Grass for 500 m square					
10 m x 3 m x 2 m x 4 m					
					$3 \times 2 \times 2 \times 4 \times 2.5 = 120 \text{ m}$
(v) Boundary Poles					
Desk size		$3 \times 6.00 \times 2.00 \times 0.45$			11.25 m^3
Palap		$3 \times 2 \times 2.00 \times 0.45 \times 0.60$			2.25
				Total	13.50 m^3
(vi) Back filling with labor					43.20 m^3
		$3 \times 2 \times 6.00 \times 2.00 \times 0.60$			57.60 m^3
Total length of 8 m x 3 m					888 m
Wt @ 0.20 kg/m					355.2 kg
Total length of 80 m x 3 m					6819.84 kg
					7207.84 kg
Wt @ 0.60 kg/m					25487.84 kg
Total length of 12 m x 3 m					300 m
Wt @ 0.85 kg/m					267 kg
Total wt of 1450 m					4830.04 kg
				Say	4.83 MT
(viii) Paddy & fixing masonry					
Grass size					2 m^2
Map to file					
27/05/14					
or					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Recon measure</u>					
1 Provision of applying Prime coat					
	17	36.44	3.75		= 1912.50 m ²
	1	25.30	3.75		= 94.88 "
				Total	= 2007.38 m ²
<u>Report by</u>					
15/11/21					
<u>Recon measure</u>					
1 Provision of applying					
Green coat (RS-1)					
	17	30.44	3.75		= 1912.50 m ²
	1	25.30	3.75		= 94.88 "
				Total	= 2007.38 m ²
<u>2 Provision Laying and</u>					
Rolling Bitum Surface					
	17	30.44	3.75		= 1912.50 m ²
	1	25.30	3.75		= 94.88 "
				Total	= 2007.38 m ²
<u>Report by</u>					
15/11/21					
J.E.					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 Earth = 2528.82 m ³ (23771/2)					
2 S. material = 586.57 m ³ (56.44/2)					
3 Crushed sand = 115.27 m ³ (18.4/2)					
4 Screening material = 63.00 m ³ (3455/2)					
5 Stone chip = 288.55 m ³ (5508/2)					
6 Sand = 152.50 m ³ (15080/2)					
7 Gravel material = 51.84 m ³ (408.8/2)					
8 SS-1 = 1.706 m ³ (41935.84/2)					
9 RS-1 = 0.55 m ³ (40148.8/2)					
10 S-90 = 3.509 m ³ (38429.32/2)					
11 Stone chip = 54.19 m ³ (470.04/2)					
<u>Net work</u>					
16/11/14					
" present of cost "					
1 Cost of working around TMS					
100 m @ Rs. 1293.11/m Rs. 129311					
2 Cleaning and grading side TMS					
100 m @ Rs. 494.88/m Rs. 49488					
3 Cost of embankment - 100 m					
100 m wide TMS 100 m					
613.80 m ³ @ Rs. 174.83/m ³ Rs. 107118					
4 Cost of separate earth					
100 m wide TMS 100 m					
483.82 m ³ @ Rs. 176.47/m ³ Rs. 85380					
5 Cost of embankment - 100 m					
100 m wide TMS 100 m					
1432.20 m ³ @ Rs. 58.59/m ³ Rs. 83913					

Total Rs. 360836
Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6/7 Excavation for supply vide TMD					
1/20 2 = 85.65 m ² @ Rs.					
74 = 10/m ²				Rs.	6346 =
7/9 Const of G.S.B vide TMD 1/20					
2 = 320.19 m ² @ Rs. 4288 = 55/m ² Rs.					1373,260 =
8/10 Paving layer below G.S.B vide TMD					
1/20 2 = 262.45 m ² @ Rs.					
5289 = 02/m ²				Rs.	1388215 =
9/11 Paving & applying prime coat vide					
TMD 1/20 8 = 2007.38 m ² @ Rs.					
42 = 29/m ²				Rs.	84892 =
10/12 Paving & applying sand coat					
vide TMD 1/20 8 = 2007.38 m ²					
@ Rs. 14 = 31/m ²				Rs.	28726 =
11/13 Paving layer of porous surface					
vide TMD 1/20 8 = 2007.38 m ² @					
Rs. 238 = 05/m ²				Rs.	477937 =
12/14 Const of PCC vide TMD 1/20					
3 = 242.40 m ² @ Rs. 9131 = 64/m ² Rs.					2213510 =
13/15 Paving & fixing M.M.S.S. 500 vide					
TMD 1/20 7 = 2402 @ Rs. 11901 = 06					
1 Eas				Rs.	23802 =
14/31 Earth work vide TMD 1/20					
3 = 164.31 m ² @ Rs. 260 = 55/m ² Rs.					42818 =
15/32 Sand filling vide TMD 1/20					
4 = 7.80 m ² rounded to 7.32 m ² @					
Rs. 297 = 24/m ²				Rs.	2909 =

Total Rs 6003251 =

Continuation

C/R

ME Rs 6002251.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
16 34 Prov. Rice 25 vide TMD/404					
= 11.88 m ² rest of area = 11.24 m ² @ Rs					
7787 = 24/m ²				Rs.	88308.00
17 39 Prov. Rice 25 vide TMD/405A					
6 + 7 = 21.195 m ² + 33.66 m ² +					
13.50 m ² Total = 68.355 m ² rest of area					
Rs 68.12 m ² @ Rs 9576.57/m ² Rs					652448.00
18 40 Oxen fully behind adobe					
vide TMD/407 = 42.20 m ² @ Rs					
4150 = 11/m ²				Rs	179285.00
19 41 Prov. rice 25 vide TMD/408					
6 = 60 m ² @ Rs 83 = 39/m ² @ Rs					5003.00
20 42 Supply, Prov. and Prov. 25000					
vide TMD/409 = 7 =					
4.83 m ² @ Rs 54011 = 84/MT Rs					260877.00
Total Rs					7189272.00
Add 12 x 9.57 Rs					862712.00
Add 1 x 1-cis Rs					71893.00
Total Rs					8123877.00
less paid 0.21% as					
for 9 years				Rs	17060.00
Total Rs					8106817.00
Accepted by					
16/11/21					
JE					