

1st on A/c B311

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 measurement relating to each work.)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work:- Const. of Road & C.I.					
Work from Purnahis vijaiji					
Path to vijai khas ward NO-6					
(Ansan tola) under MHGSY (S.C)					
Block - Ghorasahan length - 1.865 km					
Agency - Smt. Surita Devi					
Champapur Koria					
Ghorasahan, E. Champaran					
Authority - E.C. RWD (W) Div. Bhoga					
Agreement No - K/SB/D/2020-21					
Const. Cost :- Rs. 1,33,48,992/-					
Date of work order - 20-08-2020					
Date of Completion - 19-08-2021					
1. Div & fixing of Typical					
MHGSY informitory sign					
with logo board — 2 NO					
2. Const. of Reference &					
working benchmark — 1.870 km					
3. Const. of Reference pillars					
marker — 1.870 km					

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
3. Clearing and grubbing road land					
2x 10 no x 30 m x 1.50					= 900 m ²
2x 10 no x 30 m x 1.50					= 900 m ²
2x 10 no x 30 m x 1.50					= 900 m ²
2x 10 no x 30 m x 1.50					= 900 m ²
2x 10 no x 30 m x 1.50					= 900 m ²
2x 10 no x 30 m x 1.50					= 900 m ²
2x 2 no x 30 m x 1.50					= 180 m ²
2x 1 no x 5 m x 1.50					= 15 m ²
				T-	5595 m ²
				or,	0.559 Hect.

4. Construct subgrade with earthen shoulder with app. material from borrow pits					
10 no x 30 m x $\frac{9.50+6.50}{2} \times 0.30$					720 m ³
10 no x 30 m x $\frac{9.00+6.50}{2} \times 0.30$					720 m ³
10 no x 30 m x $\frac{9.50+6.50}{2} \times 0.30$					720 m ³
10 no x 30 m x $\frac{9.00+6.50}{2} \times 0.30$					720 m ³
10 no x 30 m x $\frac{9.50+6.50}{2} \times 0.30$					720 m ³
10 no x 30 m x $\frac{9.00+6.50}{2} \times 0.30$					504 m ³
				T-	4104 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	

S. Const. 9. embankment

with approval obtained

from ~~honor~~ ²⁰¹⁵

Earth work Quantity sheet

Sl. No	Ch	Area	Mean Area	Dist.	Volume
1	0	0.503	-	-	-
2	50	0.495	0.499	50	24.950
3	100	1.071	0.783	50	39.150
4	150	0.950	1.011	50	50.525
5	200	1.705	1.328	50	66.375
6	250	0.988	1.347	50	67.325
7	300	0.811	0.900	50	44.975

8	350	0.708	0.760	50	37.975
9	400	0.645	0.677	50	33.825
10	450	1.311	0.978	50	48.900
11	500	0.955	1.133	50	56.650
12	550	0.821	0.888	50	44.400
13	600	1.055	0.938	50	46.900
14	650	2.046	1.557	50	77.525
15	700	1.152	1.599	50	79.950
16	750	0.926	1.039	50	51.950
17	800	0.463	0.695	50	34.725
18	850	1.536	1.000	50	49.975
19	900	0.990	1.263	50	63.150
20	950	1.234	1.112	50	55.600
21	1000	1.239	1.237	50	61.825

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
22	1050	0.431	0.835	50	41.750
23	1100	0.646	0.539	50	26.925
24	1150	0.648	0.647	50	32.350
25	1200	0.280	0.464	50	23.200
26	1250	0.992	0.636	50	31.860
27	1300	0.857	0.925	50	46.225
28	1350	0.476	0.667	50	33.325
29	1400	0.804	0.640	50	32.000
30	1450	1.812	1.308	50	65.400
31	1500	0.324	1.068	50	53.400
32	1550	0.625	0.475	50	23.725
33	1600	0.553	0.589	50	29.450
34	1650	0.544	0.549	50	27.425
35	1700	0.988	0.766	50	38.300
36	1750	0.922	0.955	50	47.750
37	1800	0.950	0.936	50	46.800
38	1850	0.634	0.792	50	39.600
39	1865	0.720	0.677	15	10.155
				T	1686.230 m ³
(i) For lead up to 1000 m					
					$1686.230 \times 30\% = 505.869 \text{ m}^3$
(ii) For lead up to 100 m					
					$1686.230 \times 70\% = 1180.361 \text{ m}^3$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6. E/W					
RCC Box Culvert $1 \times 2 \text{ m} \times 2 \text{ m}$					
6. E/W in excavation					
for structures on per -					
Ref.	1	2.50	6.00	0.82	12.45
Detached cutt of well	2	9.10	0.30	1.80	9.82
				T	22.27 m^3
7. Sand filling in foundation trench					
Ref.	1	2.50	6.00	0.10	1.50
Detached cutt of well	2	9.10	0.30	0.10	0.85
				T	2.05 m^3
8. PCC concrete M15 for PCC in open foundation					
Below ref	1	2.50	6.00	0.10	1.50 m^3
				T	1.50 m^3
9. Const 9. G.S.B by 10/12 well grade Material Crs 2					
	5 no	30 m	4.05	0.20	121.50 m^3
	5 no	30 m	4.05	0.20	121.50 m^3
	10 no	30 m	4.05	0.20	243.00 m^3
				T	486.00 m^3

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Rec box culvert 1.2M x 2M					
10. Supplying fitting and					
placing HYSD bar rein-					
forcement in substructure.					
Raft :-					
Main bar					
12 mm ϕ	4 nos	2 X 2.50 m			
Spacing	center to center	150 mm			
@ 0.89 kg / M					= 182.45 kg.
Distribution bar					
10 mm ϕ	13 nos	2 X 6.00 m			
Spacing	center to center	200 mm			
@ 0.62 kg / M					= 96.72 kg.
Water head cut-off wall					
Main bar					
10 MM ϕ	6 nos	2 X 3.00 m			
Spacing	center to center	50 mm			
@ 0.62 kg / M					= 226.92 kg.
Distribution bar					
8 mm ϕ	16 nos	2 X 9.00 m			
Spacing	Center to Center	200 mm			
@ 0.39 kg / M					= 112.32 kg.
Abutment A1 + A2					
Main bar					
12 mm ϕ	4 nos	2 X 2 X 2.50 m			
Spacing	center to center	150 mm			
@ 0.89 kg / M					= 364.90 kg.
Distribution bar					
10 mm ϕ	11 nos	2 X 2 X 6.00 m			
Spacing	center to center	200 mm			
@ 0.62 kg / M					= 163.68 kg.
Chinch					
8 mm ϕ	32 nos	2 X 1.50 m			
Spacing	center to center	200 mm			
@ 0.39 kg / M					= 37.44 kg.
Column bar					
10 mm ϕ	22 Nos	2 X 3.20 m			
Spacing	center to center				
@ 0.62 kg / M					= 32.73 kg.
					T 1217.16 kg.
					or, 1.217 MT

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
11. P/V RCC grade M25					
Concrete in base cell					
Rett	1 no	2.50	6.00	0.25	3.75 m ³
Detect Lat. H.	2 no	9.10	0.30	1.50	8.19 m ³
Hand	2 no	0.075	0.15	6.00	0.135 m ³
Abutment	2 no	2.00	6.00	0.25	6.00 m ³
				T	18.075 m ³
12. Const 7 G.S.B by blv					
Well graded ms 10 mm					
G.O. E					

10 no	30m	4.05	0.200	243.00 m ³
10 no	30m	4.05	0.200	243.00 m ³
10 no	30m	4.05	0.200	243.00 m ³
7 no	30m	4.05	0.200	170.10 m ³
			T	899.10 m ³

RCC Box culverts 1x2m x 2m					

13. Supplying fitting and blc.					
ing HYSD bar Reinforcem.					
ent in substructure					
Coarse bar					
10 mm ϕ	22 No	2	1.20 m		
Spacing	center to center	300 mm			
Hand	@ 0.62 kg/m				32.736 kg
8 mm ϕ	32 No	2	1.50 m		

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Abutment wall					
2 x 5m x 2					20 M ²
					T. 20 M ²
17. Piv & fixing of physical					
MMCSY citizen board					1 M ²
featuring	21/21/2021				AE
	21/09/2021				AE

	ABSTRACT OF COST				
1/23	Piv & fixing of physical				
	MMCSY informing sign				
	with logo board				
	vide TM3 P 1				
2 No	(C) h. 11543-13 / each				23086.20
2/1	Const. of Reference & working				
	benchmark				
	vide TM3 P 1				
1.870 km	@ R. 10737.95 / km				20000.00
3/2	Const. of Reference (pillar)				
	Burjee				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		vide THB P 1			
8 1/2 870 km @	11295	60	100	10	2112900
4/2	Cleaning and Grubbing Land				
	Land				
		vide THB P 2			
0.559 Hect @	51133	76	Hect	6	2858420
5/5	Const. of Sy. to grade to const				
	then shoulder with gbb.				
	material from borrow pits				
		vide THB P 2			
4104 m ³ @	204	16	m ³	6	8378730
6 ^v /4	Const. of embankment with				
	gbb. obtained from up				
	to 1000 m level				
		vide THB P 4			
505.867 m ³ @	202	52	m ³	6	10244920
6 ^v /6	Const. of embankment with				
	gbb. obtained from up				
	to 100 m level				
		vide THB P 4			
1180.361 m ³ @	167	41	m ³	6	19760420
7/31	E/W in excavation				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
for structure					
vide TMB P.5					
22.27 m ³ @ R. 269032/m ³					599820
8/32 Sand filling in foundn					
vide TMB P.5					
2.05 m ³ @ R. 40059/m ³					82120
9/34 Plv PCC grade M15 in levelling course					
vide TMB P.5					
1.50 m ³ @ R. 600259/m ³					930420
10/9 Constn of C.C.B by b/v					
Well graded Material					
Gr. I					
486.6 m ³					
vide TMB P.5					
899.10 m ³					
vide TMB P.7					
1385.10 m ³ @ R. 302850/m ³					41947750
11/43 Supplying & laying of 400 mm dia. 1500 mm long HYSD bars in foundation in substructure					
10217 MT					
vide TMB P.6					
0396 MT					
vide TMB P.8					
1613 MT @ R. 46138000/MT					744220

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
12/39	PIV RCE M25 grade in				
	concrete in box cell -				
18.075 m ³	vide THB P 7				
4.635 m ³	vide THB P 8				
22.710 m ³	(1) L. 7740.21/m ³ - 4				175780.20
13/40	Back filling behind gully				
	ament wall				
	vide THB P 8				
14.40 m ³	(1) L. 2900.45/m ³ - 4				417662.20
14/41	PIV weep holes in RCE				
	abutment cell				

	vide THB P 9				
20.10	(1) L. 83211/cul				1662.20
15/24	PIV & fixing of Tybical				
	MMS by citizen band -				
	vide THB P 9				
1.10	(1) L. 11543.13/cul				11543.20
					5746870.20
					5705667
Add GST 12%.	H-1				684680.20
Add Labour Ch 1%.	H-1				57469.20
					57057.20
Add Saigniorage fee	H-1				75916.20
					6569879.20
					6523320.20
					7176.20
Less 0.11% below					7927.20
					6562652.20
					6516144.20

Continuation

21/2/2021
IE21/02/2021
AE