1st on A/c Bill

7.

Name of Work– construction Road from Pinasy to Arnathwa
Situation of Work–
Agency by which work is executed–
Date of Measurement–
No. and date of agreement 1238BD/Pinasy/2021-22

(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.	
Agency : Shri Vinod Prakash Patel (Contractor)					
Date of Start :- 19.7.2021					
Date of comp :- 18.7.2022					
Date of entry :- 12.1.22					
(1) construction of Reference Pillar Benchmark Pillar — do —					
	49 x 30 = 1470 m				
	1 x 5 = 5 m				
			1475 m	or.	1.475 Km
(2) construction of Reference Pillar (Boulder) — do —					
	1.475 Km				
(3) clearing grubbing road land in. cluding uprooting — do —					
	2 x 49 x 30 x 1.5 =				4410 m
	2 x 1 x 5 x 1.0 =				10 m
					4420 m²
				or.	0.442 Hac
(4) Providing & fixing metal in bormation sign Board — do —					
	1 No.				

Attested
10.01.22

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(5) construction of emb. in soil with soil obt. from borrow pit lead 100 m to 1000 m					
Chainage	c.s.a	m.c.a	length		cu.m
0 —	0.62	—	—		0.62 m³
50 —	2.80	1.7	× 50	=	85.50
100 —	3.52	3.16	× 50	=	158.00
150 —	3.76	3.38	× 50	=	169.50
200 —	2.60	2.93	× 50	=	146.50
250 —	2.10	2.35	× 50	=	117.50
300 —	1.40	1.75	× 50	=	87.50
1000 —	2.68	1.36	× 0	=	0.00
1030 —	4.02	3.35	× 30	=	100.50
1050 —	1.56	2.49	× 29	=	55.60
1100 —	2.16	1.86	× 50	=	93.00
1150 —	0.80	1.48	× 50	=	74.00
1200 —	2.92	1.86	× 50	=	93.00
1250 —	2.56	2.74	× 50	=	137
1300 —	3.66	3.11	× 50	=	155.50
1330 —	2.60	3.65	× 30	=	93.90
					1567.20 m³

(6) construction of emb. soil with soil obt. from borrow pit Lead 1000 m

qty :- 1567.2 × 0.3

= 470.16 m³

(7) construction of emb. soil with soil obt. from borrow pit lead 150 m

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Qty:-	1582.2 + 0.7 =				1097.04 m³
(8) F/w in Excavation for structure					
on bed ——— do ———					
Raft:-	1	16	2.5	0.83	= 12.45 m³
R/w:-	4	1.75	0.25	0.83	= 1.45
cut/wall:-	2	6.0	0.25	1.45	= 4.35
wall/curtain:-	1	6.0	2.5	0.6	= 9.0
					27.25 m³
(9) Pouring sand filling in trenches					
trenches ——— do ———					
Raft:-	1	16	2.5	0.1	= 1.5 m³
R/w:-	4	1.75	0.25	0.1	= 0.175
cut/wall:-	2	6.0	0.25	0.1	= 0.3
					1.975 m³
(10) Basing P.C.C M15 grade					
in trenches ——— M15 ———					
Raft:-	1	6.0	2.5	0.1	= 1.5 m³
R/w:-	4	1.75	0.25	0.1	= 0.175 "
					1.675 m³
(11) Date of orig:- 18.11.24					
Reinforcement details of Box culvert					
		S12	2m	2m.	

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Foundation (Raft)					
Bottom :-	1	× 44	× 2.4	× 0.9 =	86.4 Cft
Bottom Sirkha :-	1	× 14	× 6.0	× 0.6 =	50.4 "
Main Top :-	1	× 44	× 2.4	× 0.6 =	57.6
Bottom Pandal :-	1	× 14	× 6.0	× 0.6 =	50.40
Hump :-	1	× 20	× 11	× 0.6 =	26.4
					271.2 Cft (i)
out of wall					
Ring :-	2	× 19	× 12.4	× 0.4 =	188.48 Cft
S. beam :-	2	× 26	× 6.0	× 0.4 =	57.6 Cft
				2	246.08 Cft (ii)
Inside wall					
Vertical Bars :-	2	× 36	× 3.1	× 0.9 =	200.88 Cft
	2	× 36	× 2.6	× 0.6 =	112.32 Cft
Horizontal Bars :-	4	× 15	× 6.1	× 0.6 =	216.01 Cft
					529.2 Cft (iii)
R/Bar :-					
Vertical :-	1	× 4	× 10 mm	× 2.55 × 0.6 =	61.2 Cft
	1	× 47 mm	× 10 mm	× 3.0 × 0.6 =	72.0 Cft
Horizontal :-	1	× 4 mm	× 7 mm	× 1.75 × 0.6 =	29.4 Cft
	1	× 4 mm	× 10 mm	× 1.75 × 0.6 =	42 Cft
					204.6 Cft (iv)

18.11.21

Date of Mtg :- 26.11.2021

Sch. XLV-Form No. 134

Particulars	No.	L.	B.	D.	Contents of area
(12) REINFORCEMENT DETAILED OF DECK SLAB SIZE 2M X 2M					
Bottom main:-	1 x	80 x	2.4 x	0.9 =	172.8 kg
Bottom binder	1 x	14 x	6.0 x	0.6 =	50.4 kg
M-Top :-	1 x	40 x	2.4 x	0.6 =	57.6 kg
B-Top :-	1 x	14 x	6.0 x	0.6 =	50.4 kg
					331.2 kg (V)
Parapet wall					
Bottom:-	2 x	2 x	2.5 x	0.6 =	6 kg
Top :-	2 x	2 x	2.5 x	0.4 =	4 kg
Ring :-	2 x	14 x	1.5 x	0.4 =	16.8 kg
					26.8 kg (VI)

(13) Supplying, fitting and placing HYSD bar reinforcement — do —

qty. Add item nr-11 page

nr- 4 to 5 =

(i) + (ii) + (iii) + (iv) + (v) + (vi)

= 271.2 kg + 246.48 + 529.2 + 214.6 + 331.2 + 26.8

= 1611.68 kg say 1611 kg

or, 1.611 Ton.

[signature] 26-11-2021 [signature] 26/11/21 AE

Date of Ch: - 18.12.2021

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
(14) Excavation for foundation in soil by manual means — Qty —					
	2	12	3.0	0.525 × 0.1	= 37.80 m³
	2	1	1.5	0.525 × 0.1	= 1.57 "
	2	35	3.4	0.375 × 0.1	= 78.75 "
				Total	118.12 m³
(15) Back filling Behind Abutment wing wall — Qty —					
	2	5	2.0	0.5	= 14.30 m³
(16) Construction of R.C.C grade 35 materials — Qty —					
Box Culvert:	2	12	3.0	0.525 × 0.1	= 37.80 m³
	2	1	1.5	0.525 × 0.1	= 1.57 "
	2	35	3.0	0.375 × 0.1	= 78.75 "
Bubble caps:					
	2	17	0.9	0.1	= 3.06 "
	34	1.5	1.0	0.1	= 5.1 "
	67	0.3	0.45	0.1	= 0.22 "
	2	20	1.15	0.1	= 4.6 "
	4	15.0	1.1	0.1	= 6.6 "
	37	1.6	1.2	0.1	= 7.1 "
	19	2.1	1.1	0.1	= 4.38 "
	17	1.9	1.3	0.1	= 4.2 "
Overlying:	12	30	4.05	0.1	= 145.8 "
	1	15	4.05	0.1	= 6.07 "

Continuation

Total 305.25 m³

18.12.21

18/12/21
AE

Date of Reg:- 30.12.2021

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(17) Brick laying by stepping and					
embankment W.B.M. [illegible] 3 - do					
	12 x	30 x	3.75 x	0.075 =	101.25 m³
	1 x	15 x	3.75 x	0.075 =	4.21 "
	35 x	30 x	3.75 x	0.075 =	295.31
					400.77 m³
(18) Providing R.C.C. M25 concrete in					
Box cell culvert - do					
Raft:-	1 x	6.0 x	2.5 x	0.25 =	3.75 m³
Cut-off wall:-	2 x	6.0 x	0.25 x	1.4 =	4.20 "
Abut:-	2 x	6.0 x	0.25 x	2.0 =	6.0 m³
Deck:-	1 x	6.0 x	2.5 x	0.25 =	3.75 "
R/W:-	4 x	1.75 x	0.25 x	2.25 =	3.93
Haunch:-	2 x	0.15 x	0.15 x	6.0 =	0.27
					21.90 m³

[signature] 30.12.2021 [signature] 30/12/21 AE

ABSTRACT OF COST

6

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) construction of [illegible]					
[illegible]					
as per [illegible]					
[illegible]					
A.T.m.B = 1.475 K.m					
@ Rs 10349.69/K.m — Rs					15252.m
(2) construction of [illegible]					
as per [illegible]					
[illegible]					
A.T.m.B = 1.435 K.m					
@ Rs 1059.429/K.m — Rs					1524.m
(3) [illegible]					
[illegible]					
[illegible]					
A.T.m.B = 0.442 Hec					
@ Rs 5133.76/Hec — Rs					2268.m
(4/23) [illegible]					
[illegible]					
[illegible]					
A.T.m.B = 1 No					
@ Rs 11454.47 each — Rs					11454.m
(5/4) construction of [illegible]					
[illegible]					
[illegible]					
A.T.m.B = 470.1 m @ Rs 174.94/m — Rs					82249.m

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6/6 const of embankment with soil obt from borrow pit lead 100 m					
of vide item no - 7 p-3					
of T.m.B = 1197.04 m³					
@ Rs 139.54/m³ → Rs					153410.00
7/31 E/w in excavation for foundation trench — do —					
of vide item no - 8					
p-3 of T.m.B - 27.25 m³					
@ Rs 269.32/m³ → Rs					7338.00
8/35 Providing sand filling in foundation trenches — do —					
of vide item no - 9					
p-3 of T.m.B = 1.975 m³					
@ Rs 400.50/m³ → Rs					791.00
9/36 Providing P.C.C M15 grade in open foundation — do —					
of vide item no - 10					
p-3 of T.m.B = 1.675 m³					
@ Rs 5921.01/m³ → Rs					9916.00
10/43 Supplying fitting and placing HYSD bar reinforcement — do —					
of vide item no - 13					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
page no-5 of T.m.B = 1.611 mT					
@ Rs 45925.90 / mT — Rs					73990.00
11/7 Excavation for roadway in soil by manual means — do —					
as vide item no - 14					
p-6 of T.m.B = 118.12 m³					
@ Rs 74.16/m³ — Rs					8760.00
12/19 Backfilling behind abutment wing wall — do —					
as vide item no - 15					
p- 6 of T.m.B = 14.30 m³					
@ Rs 2769.14 /m³ — Rs					39598.00
13/9 Construction of G.S.B grade I materials — do —					
as vide item no - 16					
p- 6 of T.m.B = 305.25 m³					
@ Rs 2935.45/m³ — Rs					896046.00
14/16 Providing laying spreading and compacting W.B.M. grade 3 — do —					
as vide item no - 17					
p-7 of T.m.B = 403.77 m³					
@ Rs 3607.29 /m³ — Rs					1456693.00

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(15) (a) Providing R.C.C. M25 grade concrete in Box Cul — d/—					
@ Rs 7418.36/m³ — (+)					16246-00
				Rs	29,45,138.00
(16) Add GST 12% — (+)					3,53,416.00
(17) Add Cess 1% — (+)					29451.00
(18) Approx fee :— (+)					80,000.00
				Rs	34,08,005.00
Less 0.1% on 34 Lakh @ 3408 =00					
				Rs	33,73,925.00
					34,04,597=00

30.12.21

Attested
10.01.22