

1st on RAC 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 measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work- Harpur Kothi					
Makhampur Panchayat se Ahir					
Trla tak.					
Name of Agency- Sandeep Kumar					
Agreement no- 28 SBD					
12018-19					
Date of start of work- 11/10/2018					
Date of completion- 10/10/2019					

MEASUREMENT

① setting out pillars					
Providing & fixing of Bench-					
mark pillars - do - -					
ent =					1 NO.
② Providing & fixing of					
reference mark pillar					
- - do - -					
ent =					4 NO.
③ clearing and grubbing					
road land - do - -					
100 44 x 20 x 3.5 = 3080					
= 3080					0.308
10000					
=					0.308 Hect

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4) Excavation for road-work in soil - - -					
- - - do - - -					
as per tech. specification					
(A) Be side of BES for provision of flexible road					
RFM $2 \times 27 \times 25 \times 0.525 \times 0.1 = 70.875m^3$					
(B) Be side of BES for provision of rigid road					
RFM $2 \times 8 \times 25 \times 0.375 \times 0.1 = 15.0m^3$					
RFM $2 \times 1 \times 5 \times 0.375 \times 0.1 = 0.375m^3$					
				Total	86.250m ³
(5) Construction of embankment with material obtained from borrow pits - - -					
- - - do - - -					
as per tech. specification					
(A) For 1000 m lead					
RFM $2 \times 12 \times 25 \times 1.1 \times 0.4 = 264m^3$					
				Limit to	242.46m ³
(B) For 100 m lead					
RFM $2 \times 20 \times 25 \times 1.2 \times 0.5 = 600m^3$					
				Limit to	565.74m ³
(6) Const. of subgrade and earthen shoulders - - -					
- - - do - - -					
as per tech. specification					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
For flexible road					
Adjacent of GSB					
$2 \times 27 \times 25 \times 1.2 \times 0.2$					$324.0m^3$
For rigid road					
Adjacent of WBM					
$2 \times 8 \times 25 \times 0.450 \times 0.075$					$13.50m^3$
$2 \times 5 \times 0.675 \times 0.12$					
$2 \times 5 \times 0.450 \times 0.075$					$0.337m^3$
Adjacent to GSB					
$2 \times 8 \times 25 \times 0.675 \times 0.12$					$27.0m^3$
$2 \times 5 \times 0.675 \times 0.12$					$0.675m^3$
				Total	$365.512m^3$
⑦ const. of granular subbase					
--- do ---					
as per tech. specification					
For flexible road					
For brick road					
$26 \times 25 \times 3.0 \times 0.10$					$195.0m^3$
GSB in widening					
$2 \times 26 \times 25 \times 30.525 \times 0.20$					$136.5m^3$
GSB for levelling course					
2×25					
$10 \times 5 \times 3.0 \times 0.1$					$15.0m^3$
For rigid road					
GSB in widening					
$2 \times 8 \times 25 \times 0.375 \times 0.10$					$15.0m^3$
$2 \times 5 \times 0.375 \times 0.10$					$0.375m^3$
for levelling course					
$10 \times 3.0 \times 0.10$					$3.0m^3$
				Total	$364.875m^3$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑧ 14BM ge-III					
Providing, laying, spreading and compacting stone aggregates - do - -					
as per technical specification					
For rigid road					
8X25X	3.75	0.075			56.25m ³
5X3.75X	0.075				1.406m ³
				Total	57.656m ³
⑨ construction of un-reinforced plain cement concrete					
as per technical specification					
8X25X	3.75	0.160			120.0m ³
5X3.75X	0.160				3.0
				Total	123.0m ³
⑩ Providing and fixing logo of typical masonry informatory sign board with logo					
do - - -					
(i) information sign board with logo	ent 2				1 No.
(ii) citizen information board					1 No.
				Total	2 No.

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) H.P. culvert 600mm dia					
(i) Excavation					
(a) Head wall					
$2 \times 4.15 \times 1.40 \times 1.47 =$					$17.08 m^3$
(b) U/S Apron					
$1 \times 3.85 \times 1.16 \times 0.60 =$					$2.68 m^3$
(c) D/S Apron					
$1 \times 3.85 \times 2.0 \times 0.60 =$					$4.62 m^3$
$1 \times 3.85 \times 0.60 \times 0.30 =$					$0.69 m^3$
(d) Bedding					
$1 \times 5.78 \times 1.07 \times 0.25 =$					$1.55 m^3$
				Total	$26.62 m^3$
(ii) Bedding in PCC					
m-15 - do -					
$1 \times 5.78 \times 1.07 \times 0.55 =$					$3.40 m^3$
Deduction for pipe					
$1 \times 5.78 \times 0.22 =$					1.270
				Total	$2.13 m^3$
(iii) PCC m-15 in open foundation - do -					
$2 \times 3.85 \times 1.40 \times 0.15 =$					$1.62 m^3$
(iv) Head wall in brick masonry 1:4					
(a) Head wall					
$2 \times 3.85 \times 0.825 \times 2.005 =$					$12.74 m^3$
(b) Parapet					
$2 \times 3.85 \times 0.60 \times 0.40 =$					$1.85 m^3$
$2 \times 0.465 \times 0.61 =$					$0.57 m^3$
				Total	$14.02 m^3$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(iii) PCC m-15 in open foundation					
	2x	3.85	1.40	0.15	1.62m ³
(iv) Head wall in brick masonry 1:4					
(a) Headwall	2x	3.85	0.25	2.005	12.74m ³
(b) Parapet	2x	3.85	0.60	0.40	1.85m ³
len (T x T x T) x width x 2H.	2x	0.465	0.61		0.57
			Total		14.02m ³
(v) Providing and laying pipe NP-3 600 mm dia					
RPS [	3x	2.50			7.50m
(vi) plastering with cement mortar 1:4					
(a) Parapet side	4x	3.85	1.0		15.40m ²
(b) Parapet faces	4x	0.4	0.50		0.80m ²
(c) parapet Top	2x	3.85	0.40		3.08m ²
(d) Head wall sides	2x	3.85	0.60		4.62m ²
			Total		23.90m ²

Unit is

Continuation

[illegible]

①	Setting out pillars			
	Providing & fixing of			
	Bench mark pillars			
	— do —			
	amt = 140. Page - ①			
	item - ① @ Rs 3926.87 =			
				Rs 3926 =
②	Providing & fixing of			
	reference pillars			
	— do —			
	amt = 4140. P - ①			
	item - ② @ Rs 1815.52			
				= Rs 7262 =

Continuation

C/O Total B 11188 =

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(2) clearing & grubbing road land - do -					
ent = 0.308 Hect.					
P- (1) item - (3)					
@ Rs 48772.70/hect =					
					Rs 150212
(4) Excavation for road work in soil - do -					
ent = 86.250 m ³					
Paye - (2) item - (4)					
@ Rs 77.65/m ³ =					Rs 6697.45
					Rs 66972
(5) const. of embankment with material obtained from borrow pits - do -					
ent =					
(A) For 1000 m lead					
ent = 242.46 m ³					
P- (2) item - (5) (A)					
@ Rs 155.64/m ³ =					Rs 377352
(B) For 100m lead					
ent = 565.74 m ³					
P- (2) item 5B					
@ Rs 134.82/m ³ =					Rs 762762

Continuation

C/O T & A Rs 1469172

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(6) const. of subgrade & earthen shoulder					
do - - - - -					
amt = 365.512 m ³					
Page - (3) item - (6)					
@ Rs 157.38/m ³				2 Rs	57524=
(7) construction of granular subbase - - - do - - -					
amt = 364.875 m ³					
Page - (3) item - (7)					
@ Rs 29410.68/m ³				2 Rs	1072980
(8) WBM gr - IT					
do - - - - -					
amt = 57.656 m ³					
Page - (4) item - (8)					
@ Rs 3983.83/m ³				2 Rs	229691=
(9) const. of unreinforced plain cement concrete					
do - - - - -					
amt = 123.0 m ³					
Page - (4)					
item - (9) @ Rs 7775.03/m ³					
				2 Rs	956328.69
				2 Rs	956329=
(10) providing and fixing of typical chimney infomory sign board - - - do - - -					

Continuation

C/O TOTAL Rs 2463441

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
ent = 2 No. Page - (4)					
item - (10) @ Rs 9754.70					
					= Rs 19509 =
(11) H.P culvert					
(i) Excavation - do -					
ent = 26.62/m ³					
Page - (5) item (11)(i)					
@ Rs 254.55/m ³ = Rs 6776 =					
(ii) Bedding in PCC m-5					
- - - do -					
ent = 2.13 m ³ P - (5)					
item (11)(ii) @ Rs 386.68/m ³					
					= Rs 823 =
(iii) PCC m-15 in open foundation - do -					
ent = 1.62 P - (5)					
item (11)(iii) @ Rs 5955.33/m ³					
					= Rs 9648 =
(iv) @ Rs 600 2.0/m ² = Rs 9723 =					
(iv) Head wall in brick masonry - do -					
ent = 14.02 m ² P - (5)					
item - (11)(iv) @ Rs 5647.82					
					= Rs 79182 =

Continuation

C/Total Rs 2579454 =

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(v) Providing & laying pipe NP-3 600mm dia					
do					
ant = 7.50 m P- (6)					
item - (11) (v)					
@ Rs 1586.141/m = Rs					118962
(vi) Plastering with cement mortar - do					
ant = 14.02 m ² P- (7)					
item (11) - (vi) @ Rs 160.07					
					= Rs 2244
					Total Rs 2593594

(12) 1/8 m 98.117					
do					
ant = 84.375 m ³					
Page - (7) item - (12)					
@ Rs 3983.83/m ³ = Rs					336135
					Total Rs 2929729

Working 05/10/19 JE	RPGM 20.7.2024 AE	C&P (8)			
					20/7/24
					ER

Continuation