

Abail Kofaigya 1st to 19th

Schedule XLV - Form No 134

19.11.1954

1000 1000

PRIMA P.W.D.

E.E. R.W.D. Water Supply & Sewerage Division

Assistant Engineer R.W.D. - 2nd Division

Water Supply Div - Deo

RECOMMENDATION FOR

No 10/2564

Agency - Sri Satish Kumar

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.	
	1st on A/c bill				
NFL -	construction of road from Karkare Kathi road to Advi				
Agency -	Sh. Satish Kumar.				
CNCPL No -	10 (S023)				
Agreement No -	13 (SBD)/2020-21				
Date of work start -	08/06/2020				
Date of completion -	07/03/2021				
Date of entry -					
Measurement					

① cleaning and grubbing road land.					
2x	21x	30x	3.50	=	4410.00 m ³
2x	1x	20x	3.50	=	140.00 m ³
					4550.00 m ³
					20.46 Hec.
② Dismantling existing structure like culvert cement concrete.					
3x	5.31x	1.12x	0.10	=	1.78 m ³
③ Dismantling existing structure like culvert cement brick work					
3x	2x	3.60x	0.70x	3.05	= 46.12 m ³
3x	2x	3.60x	0.40x	0.60	= 5.18 m ³

Continuation

51.30 m³

④ Removing H. Pipe of 600 mm φ.
 $3 \times 3 \times 2.50 = 22.50 m^3$

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
⑤ E/O excavation for found ⁿ of structure.					
H.W.	3x2x	3.90x	1.15x	1.50	= 40.36 m ³
pipe	3x1x	5.35x	1.13x	0.365	= 6.62 m ³
					<u>46.98 m³</u>
⑥ Providing p.c.c. 15-15 in open foundation.					
H.W.	3x2x	3.90x	1.15x	0.15	= 4.04 m ³
pipe	3x1x	5.31x	1.13x	0.25	= 4.50 m ³
					<u>8.54 m³</u>
⑦ Providing p.c.c. 15-20 in substructure.					
H.W.	3x2x	3.60x	$\frac{1.60+0.40}{2}$	2.78	= 42.03 m ³
parapet	3x2x	3.60x	0.40x	0.60	= 5.18 m ³
ss pipe	3x2x	0.785x	$(0.83)^2$	0.53	= (-) 1.72 m ³
					<u>45.49 m³</u>
⑧ Providing and laying R.C.C. 4/3 H. pipe of 600 mm.					
	3x3x	2.50			= 22.50 m
⑨ Providing and laying R.C.C. pipe of 300 mm.					
	2x4x	2.50			= 20.00 m
⑩ Excavation for roadway in soil (Box cutting)					
	2x18x30x	0.525x	0.10		= 56.70 m ³
	2x1x10x	0.525x	0.10		= 1.05 m ³
	2x3x30x	0.375x	0.10		= 6.75 m ³
	2x1x10x	0.375x	0.10		= 0.75 m ³
					<u>65.25 m³</u>

Continuation

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

(11) Excavated material

from box cutting.

$$65.25 \times 60/100 = 39.15 \text{ m}^3$$

(12) Construction of embankment with material

C/W calculation.

C/W calculation.

Chainage.	Fill Area	Mean Area	Dist.	Fill Volume.
0	1.210	-	-	-
50	2.029	1.619	50	80.95
100	2.824	2.425	50	121.25
150	2.696	2.759	50	132.95
200	3.805	3.251	50	162.55
250	3.814	3.809	50	190.45
300	3.404	3.609	50	180.45
350	3.849	3.627	50	181.35
400	3.397	3.623	50	181.15
450	3.647	3.522	50	176.10
500	2.872	3.260	50	163.00
550	3.405	3.139	50	156.95
600	3.744	3.575	50	178.75
650	3.617	3.681	50	184.05
				<u>Total</u> 2094.95
				(i) For 1000 ft. Long 18% = 377.09
				(ii) For 100 ft. Long 7% = 1613.11

(13) Construction of

G.S.B.

Profile correction.

$$6 \times 1.85 \times 1.60 \times 0.15 = 2.66 \text{ m}^3$$

$$4 \times 1.90 \times 1.75 \times 0.15 = 2.00 \text{ m}^3$$

Continuation

$$\% = 4.66 \text{ m}^3$$

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Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
				B.F. 94	4.66 m ³
	9	1.70	1.85	0.15	= 4.25 m ³
	5	2.15	1.55	0.15	= 2.50 m ³
	7	2.10	1.80	0.15	= 3.97 m ³
	3	1.88	1.65	0.15	= 1.70 m ³
	8	1.98	1.76	0.15	= 4.18 m ³
	5	2.45	2.05	0.15	= 3.77 m ³
	4	1.50	1.72	0.15	= 1.55 m ³
	2	1.84	1.55	0.15	= 0.86 m ³
	5	1.53	1.84	0.15	= 2.11 m ³
Box	2	18	30	0.525	0.10 = 56.70 m ³
	2	1	10	0.525	0.10 = 1.05 m ³
	2	3	30	0.375	0.10 = 6.75 m ³
	2	1	10	0.375	0.10 = 0.75 m ³
on 15.11.19	1	18	30	4.05	0.10 = 218.70 m ³
	1	1	10	4.05	0.10 = 4.05 m ³
					<u>317.25 m³</u>

(14) Providing and laying

WBM grading II

18	30	3.75	0.075	= 151.88 m ³
1	10	3.75	0.075	= 2.81 m ³
3	30	3.75	0.075	= 25.31 m ³
1	10	3.75	0.075	= 2.81 m ³
				<u>182.81 m³</u>

(15) Providing and laying

log-signe board — 2 Nos.

D. N. M. H.

30/9/20

J. E. deo

30/9/20

A. E.

Continuation

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

ABSTRACT OF COST

① cleaning and grubbing
road land.

0.46 Hec. vide T&B P-1

@ Rs. 51133 = 76/Hec. 23522 = ✓

② Dismantling of exist^g

Structure like culvert
Cement concrete

1.78 m³ vide T&B P-1

@ Rs. 484 = 74/m³ 8632 = ✓

③ Dismantling of exist^g

Structure like culvert
brick work

51.30 m³ vide T&B P-1

@ Rs. 23/277/m³ 11890 = ✓

④ Removing H. pipe of

600 mm φ

22.50 m vide T&B P-1

@ Rs. 174 = 78/m 3933 = ✓

⑤ Excavation

found^g of structure.

46.98 m³ vide T&B P-2

@ Rs. 269232/m³ 12653 = ✓

⑥ Providing P.C.C. 7-15

in open foundation.

8.54 m³ vide T&B P-2

@ Rs. 512627/m³ 43782 = ✓

⑦ Providing P.C.C. 11-20

in substructure.

45.49 m³ vide T&B P-2

@ Rs. 5903 = 74/m³ 268561 = ✓

Rs. 365204 = ✓

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
				B.F.S.	36520720
⑧ Providing and laying					
R.C.C. NP ₃ 4-pipe of 600 mm.					
22.50 m wide T.H.B.P. - 2					
				CR. 1103 = 23/5	2482320
⑨ Providing and laying					
R.C.C. pipe of 300 mm.					
20.00 m wide T.H.B.P. - 2					
				CR. 932 = 92/5	1865820
⑩ Excavation for roadway					
W. Sub (Box cutting)					
65.25 m ³ wide T.H.B.P. - 2					
				CR. 74 = 16/5	483920
⑪ Excavated materials					
from box cutting					
39.15 m ³ wide T.H.B.P. - 3					
				CR. 26 = 11/5	102220
⑫ Construction of embankment with material					
wide T.H.B.P. - 3					
(i) For 1000 m length					
377.09 m ³				CR. 174 = 94/5	6596820
(ii) For 100 m length					
1613.11 m ³				CR. 131203/5	21136620
⑬ Construction of					
G.S.B.					
317.25 m ³ wide T.H.B.P. - 4					
				CR. 2771201/5	87910320
					5 157098320

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
			B.F.S.		1570983 = v
(14) Providing and laying kerb grading III					
182.81 m ³ wide T & S P - y					
					Ce. 3799 = 90/5 ³ = 694660 = v
(15) Providing and fixing Large sign board.					
2 Nos. wide T & S P - y					
					Ce. 9331 = 20/x = 18662 = v
					{ 2284305 = v
					Less 10% (As per rule) Ce. 228431 = v
					= 2055874 = v
Add 12% GST ~					279117 = v
1% L.C.E.S ~					22843 = v
					S. 2581265 = v
					Ce. 10% (As per rule) Ce. 258127 = v
					{ 2323138 = v
M. Muthu					
30/9/20					
J. E. Rao					
A.E.					
C.P.					
V. K. Singh					
30/9/2020					

Continuation