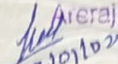


281/19-20

प्रमाणित किया जाता है कि इस मापी
पुनिका में मशीन से द्वारा कुल - 100 इंच
में है / यह मापी पुनिका श्री महेन्द्र
कुमार, सहायक अभियंता की निरीक्षण किया
जाता है /

 22/01/2020

Executive Engineer
R.W.D., W.D.

 Areraj
22/01/2020

Schedule XLV Form No.-134

उदरराज

DIVISION

संग्रामपुर

SUB-DIVISION

MEASUREMENT BOOK

Name of officer

श्री महेन्द्र कुमार

Date of first entry

Date of last entry

1st & Final 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

⇒ Madhubani math to dubeytola
(MR-N/13-20 Areraj/17)

Agreement No - 53 MBD/2019-20

Date of agreement 21-01-2020

Date of completion 20-10-2020

Agreement value - 2,49,28,282.00

Agency - Sanjeev Kumar Dwivedi

Date of measurement 06-02-20

① clearing & grubbing of road
all comp. job

$$2 \times 3016 \times 1.00 = 6032 \text{ m}^2$$

$$= 0.60 \text{ Ha}$$

Continuation

[illegible]

Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Below pipe					
	3	5.311	1.13	0.25	= 4.49 m ³
Less pipe					
(-) 3	0.250	0.7857	0.83 ²	5.849	= 2.37 m ³
					= 6.15 m ³
Total qty					

② Brick masonry in CM (1:4)
in head wall ---- all comp. job

culvert

Head wall

$$3 \times 2 \times 3.600 \times \frac{1.000 + 0.630}{2} \times 1.350 = 23.763 \text{ m}^3$$

③ Providing & laying R.C.C. pipe
(600 mm) NP3 for culverts
---- all comp. job

$$3 \times 3 \times 2.50 = 22.50 \text{ km}$$

checked
in
16.02.20
A/E

13-02-20
SB

Date of measurement 13-02-20

④ Brick masonry work in
cement mortar (1:4) in head wall
complete for culvert ----
---- all comp. job.

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Head wall					
	3x2x	3.60x	$\frac{0.630+0.400}{2}$	x0.830	= 3.230 m ³
Parapet					
	3x2x	3.60x	0.400x	1.200	= 10.368 m ³
Less for pipe					
	3x2x	0.7857x	0.83 ²	x0.53	= 1.721 m ³
<i>Checked by A.E.</i>					
Total qty = 17.877 m ³					

② Plastering with cement mortar (1:4) on bricks work in sub-structure
all comp. job

culvert.					
outer sides	3x2x	3.60x	3.380	=	73.00 m ²
Inner sides	3x2x	3.60x	0.600	=	12.96 m ²
Top	3x2x	3.60x	0.400	=	8.64 m ²
Ends	3x4x	0.700x	2.180	=	18.32 m ²
End parapet	3x4x	0.400x	1.200	=	5.76 m ²
Less for pipe	3x2x	0.7857x	0.83 ²	=	3.24 m ²
<i>Checked by A.E.</i>					
Total qty = 115.44 m ²					

③ Brick masonry in C.M. (1:4)
Parapet (dis masonry parapet)
all comp. job

<i>Checked by A.E.</i>	1x2x	6.00x	0.400x	0.600	=	2.88 m ³
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Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
④ plastering with c.m. (1:1) on Brick work in Sub-structure (dismantling) - all comp. job					
1x2x6.00x0.40x					
7.5					
Side face 1x4x6.00x0.60 =					14.40m ²
Top 1x2x6.00x0.40 =					4.80m ²
Front face 1x4x0.40x0.60 =					0.96m ³
Checked by A.T.V.					Total qty = 20.16m ²

⑤ plastering with cement mortar (1:4) of existing culvert all comp. job					
culvert					
Side face 3x4x6.00x0.60 =					43.20m ²
Top 3x2x6.00x0.40 =					14.40m ²
Front face 3x4x0.40x0.60 =					2.88m ²
Checked by A.T.V.					Total qty = 60.48m ²

⑥ construction of Sub grade earthen shoulders - all comp. job					
B.T. Portion					
2x32x30x $\frac{1.400+0.600}{2}$ x 0.315 =					604.80m ³
2x44x30x $\frac{1.200+0.200}{2}$ x 0.310 =					777.28m ³

Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2 X 16 X 30 X $\frac{1.200 + 0.700}{2}$ X 0.29					= 269.04 m ³
2 X 6 X $\frac{1.000 + 0.800}{2}$ X 0.290					= 3.132 m ³
P.C.C. Position					
2 X 5 X 30 X $\frac{0.700 + 0.250}{2}$ X 0.280					= 39.90 m ³
2 X 30 X 3 X $\frac{0.600 + 0.250}{2}$ X 0.290					= 22.185
2 X 10 X $\frac{0.650 + 0.200}{2}$ X 0.300					= 2.73 m ³
Total qty =					1719.06 m ³

⑦ OSB with well graded

material for grading - II

--- all comp. job

6 X 1.100 X 0.500 X 0.150	= 0.49 m ³
22 X 1.200 X 1.000 X 0.175	= 4.62 m ³
24 X 1.500 X 1.100 X 0.175	= 6.93 m ³
30 X 1.500 X 0.900 X 0.150	= 4.05 m ³
21 X 1.400 X 1.000 X 0.175	= 5.15 m ³
27 X 1.350 X 0.700 X 0.150	= 3.83 m ³
21 X 1.500 X 0.800 X 0.175	= 4.41 m ³
28 X 1.300 X 1.000 X 0.150	= 5.46 m ³
16 X 1.200 X 0.800 X 0.175	= 2.89 m ³
15 X 1.500 X 0.900 X 0.150	= 3.04 m ³
22 X 1.600 X 0.700 X 0.175	= 4.31 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	21X	1.500X	0.450X	0.150	= 1.89 m ³
	20X	1.700X	0.950X	0.175	= 5.36 m ³
	21X	1.800X	0.500X	0.150	= 2.84 m ³
	22X	1.300X	1.000X	0.175	= 5.01 m ³
	21X	1.500X	0.700X	0.150	= 3.31 m ³
	20X	1.400X	0.800X	0.175	= 3.92 m ³
	17X	0.900X	1.100X	0.150	= 2.52 m ³
	16X	1.200X	0.800X	0.175	= 2.69 m ³
	15X	1.500X	0.900X	0.150	= 3.04 m ³
	16X	1.400X	1.000X	0.175	= 3.92 m ³
	17X	1.700X	0.600X	0.150	= 2.60 m ³
	15X	1.600X	0.300X	0.175	= 1.26 m ³
	16X	1.300X	1.000X	0.150	= 4.56 m ³
	13X	2.100X	0.800X	0.150	= 3.28 m ³
	16X	1.200X	0.700X	0.150	= 2.02 m ³
	17X	1.100X	0.400X	0.175	= 1.31 m ³
	15X	1.300X	0.600X	0.150	= 1.78 m ³
	17X	2.000X	0.500X	0.175	= 2.98 m ³
	16X	1.900X	1.000X	0.150	= 4.56 m ³
	15X	1.600X	0.300X	0.175	= 1.26 m ³
	17X	1.700X	0.600X	0.150	= 2.60 m ³
	16X	1.400X	1.000X	0.175	= 3.92 m ³
	15X	1.500X	0.900X	0.150	= 3.04 m ³
	16X	1.200X	0.800X	0.175	= 2.69 m ³
	17X	0.900X	1.100X	0.150	= 2.52 m ³
	23X	1.300X	1.000X	0.150	= 4.49 m ³
	16X	1.500X	0.800X	0.175	= 3.36 m ³

Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	22	1.350	0.700	0.150	= 3.12 m ³
	20	1.200	0.800	0.175	= 3.36 m ³
	21	1.500	0.900	0.150	= 4.25 m ³
	17	2.200	0.800	0.175	= 5.24 m ³
	13	1.500	0.600	0.175	= 2.05 m ³
	11	1.800	0.500	0.150	= 1.49 m ³
	10	1.700	0.800	0.150	= 2.04 m ³
	11	2.000	0.800	0.175	= 3.08 m ³
	10	2.100	0.800	0.150	= 2.52 m ³
	11	1.400	0.400	0.175	= 1.08 m ³
	10	2.100	0.900	0.175	= 3.31 m ³
	11	2.000	0.500	0.150	= 1.65 m ³
	7	1.900	0.700	0.175	= 2.69 m ³
	10	1.800	1.000	0.150	= 2.70 m ³
	11	1.700	0.700	0.175	= 2.29 m ³
	22	1.800	0.900	0.175	= 6.24 m ³
	26	1.700	1.000	0.150	= 6.63 m ³
	27	1.600	0.700	0.175	= 5.29 m ³
	26	1.500	0.400	0.150	= 2.34 m ³
	25	1.700	0.900	0.175	= 6.69 m ³
	26	1.800	0.500	0.150	= 3.51 m ³
	27	1.300	1.000	0.175	= 6.14 m ³
	26	1.500	0.700	0.150	= 4.10 m ³
	25	1.400	0.800	0.175	= 4.90 m ³
	9	1.300	0.900	0.150	= 3.69 m ³
	7	1.200	0.700	0.150	= 0.88 m ³
				Total qty	= 218.91 m ³

Continuation
Total qty = 217.43 m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
onward. Post-----					
Qty vide T.M.B. & Page - 21					
				= 16 Nos	
@ Rs 536.40/each					Rs 8582.00
(18/61) Printing letter & figures of any shade-----					
Qty vide T.M.B. & Page - 21					
				= 616 lit per letter	
@ Rs 0.50/lit per letter					Rs 308.00
(19/62) planting of tree by road side-----					
Qty vide T.M.B. & Page - 22					
				= 138 Nos.	
@ Rs 799.08/each					Rs 110273.00
(20/64) Road marking with hot applied thermoplastic-----					
Qty vide T.M.B. & Page - 21					
				= 603.20m ²	
@ Rs 735.40/m ²					Rs 443593.00
(21/65) providing & fixing of Typical MMSY infomatory					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Sign Board - - - -					
Qty vide T.M.B. & page-2					
					= 0.5 Nos
@ Rs 9471.19/each					Rs 47356.00
22/66 E/w excavation for foundation of structure					
- - - - - wall comp job					
Qty vide T.M.B. & page-02					
					= 46.98 m ³
@ Rs 285.17/m ³					Rs 13397.00
23/61 providing M15 P.C.C. for levelling - - - -					
Qty vide T.M.B. & page-03					
					Qty = 6.15 m ³
@ Rs 5980.15/m ³					Rs 36778.00
24/68 brick masonry work in CM (1:4) - - - -					
Qty vide T.M.B. & page-03					
					= 23.763 m ³
Qty vide T.M.B. & page-04					
					= 17.877 m ³
					total Qty = 41.64 m ³
					(limit) = 41.61 m ³
@ Rs 6243.29/m ³					Rs 259783.00

Particulars	Details of actual measurement				Conten of are
	No.	L.	B.	D.	
$\frac{25}{69}$ Providing & laying R.C. pipe. NP-3 (600 mm dia) ----- all comp. job. sty vide T.M.B. & page-03 = 22.50 Km @ Rs 1016.47/Km — Rs 22871.					
$\frac{26}{70}$ plastering with cement mortar on B/w Sub- Structure ----- sty vide T.M.B. & page-04 sty = 115.44 m ² @ Rs 187.03/m ² — Rs 21591.00					
$\frac{27}{71}$ painting on parapet wall black & white strips ----- sty vide T.M.B. & page-24 sty = 37.44 m ² @ Rs 95.63/m ² — Rs 3580.00					
$\frac{28}{72}$ Providing & laying R.C.C. pipe. duct (300 mm dia) ----- sty vide T.M.B. & page-02 = 37.50 Km @ Rs 927.12/Km — Rs 34762.00					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$\frac{29}{70}$ Brick masonry work in C.M. (1:3) in parapet excluding pointing --- sty vide T.M.B. & page - 04 = 2.88 m ³ @ Rs 5719.69/m ³ --- Rs 16473.00					
$\frac{30}{74}$ plastering with C.M. on Brick work in Sub-structure --- (New) sty vide T.M.B. & page - 05 sty = 20.16 m ² @ Rs 187.03/m ² --- Rs 3771.00					
$\frac{31}{75}$ plastering with C.M. on Brick work in Sub -structure --- (old) --- sty vide T.M.B. & page - 05 = 60.48 m ² @ Rs 187.03/m ² --- Rs 11312.00					
$\frac{32}{76}$ painting two coats including primer coat after filling the surface --- all comp. job.					

Continuation

Rs 75 40 322.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
8/4 vide T.M.B. & Page-24					
					$= 80.64 \text{ m}^2$
@ Rs 95.63/m ²				Rs	7712.00
				Total Rs	75,480.34
Add 1% Lab. cess				Rs	75480.34
Add 12% GST				Rs	9,05,764.00
				Total Rs	8529278.00

Less 0.07% as per agreement

Rg (-) 5970.00

Net	Rq	8523308.00
-----	----	------------

~~28'~~

~~28' + 10' = 38'~~

~~28~~

~~2864.00~~

~~A/L~~

~~28-04-20~~

J.E.

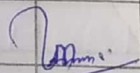
Alt. 8519265/

work has been completed as per specification & agreement
Nothing is due with contractor

28-04-20
Contractor

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Material Statement.</u>					
Earth work	—			1719.06 m ³	
Aggregates & metal	—			1133.80 m ³	
Local Sand	—			111.32 m ³	
Stone screening	—			93.82 m ³	
emulsion (SS-1)	—			2.67 tone	
emulsion (RS-1)	—			4.03 tone	
Bituminous	—			39.10 tone	
cement	—			163 bag	
Sone Sand	—			19 m ³	
Bricks	—			22245 Nos.	


 28.04.20
 A.L.
 J.E.