

M/S. KUMAR. Contrs.

Agency :- M/s Kumar Construction
Ag No - 2 (SBD)/2020-21

Dhandh - Sikandra PWD Road to pyare pur Ravinder Tola
via Manali Tola Tilakpur and Sita Rau pur - kurma Tola
to Chanddara more via Manali Tola.

Head - NABARD

Measurement Book

- 2681

Schedule XLV-Form No. 134

R. W. D. (W) Jagmuri

DIVISION

S Jagmuri

SUB-DIVISION

M.B. No 2681

2nd on A/C Bin

21

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of Work - Construction of Dhandh					
Sikandra AWD Road se Manghi tola Tilakpur hole					
Nure pynepur Rabidas tola and Manghi tola hole					
Juye Sitaranpur Karmi tola se chandwary					
more tola Path Nirman.					
Agreement no - 02 (SBS) / 2020-21					
Agency - M/s Kumar Construction, AT - Samung					
Path new area, New area, P.O. Dist - Nawada					
Date of commencement of work - 22-06-2020					
Date of completion of work - 21-10-2021					
Agg construction cost ₹ 5,54,76,967/-					
Agg Maintenance cost ₹ 38,47,332/00					

Date of Record measurement -

Description of item

① Construction of embankment with material

obtained from borrow pits - do - do - all

complete job 23 Per EIS

St. No Part (S)	Ch	Area m ²	Mean Area m ²	Distance	Volume (m ³)
01	2100	1.040	1.03	100	103.00 m ³
02	2200	1.300	1.17	100	117.00 m ³
03	2300	1.100	1.20	100	120.00 m ³
04	2400	1.05	1.075	100	107.50 m ³
05	2500	1.15	1.10	100	110.00 m ³
06	2600	1.10	1.125	100	112.50 m ³
07	2700	1.05	1.075	100	107.50 m ³
08	2800	1.00	1.025	100	102.50 m ³

Qty 880.00 m³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① For 100m lead - $\frac{180000}{100000}$					
② For 100m lead = 60000m ²					
③ Construction of subgrade and earthen shoulder with approved material from borrow pit - do - all complete job					
Rate	10 X	30 X	7.98 X	0.300 =	718.20m ²
	10 X	30 X	$\frac{8.00+7.98}{2} \times 0.300 =$		715.50m ²
	5 X	30 X	7.98 X 0.300 =		$\frac{357.95m^2}{2} = 178.97m^2$
	5 X	30 X	7.90 X 0.300 =		355.50m ²
	5 X	30 X	7.98 X 0.300 =		359.10m ²
	1 X	30 X	7.50 X 0.300 =		67.50m ²
	1 X	20 X	7.60 X 0.300 =		45.60m ²
				Qty	2619.15m ²

③ construction of granular sub base by providing well graded material, spreader in uniform layer - do - all complete job

as per E/I	Rate				
P.C.C. portion					
	5 X	30 X	3.75 X	0.100 =	56.25m ²
	1 X	15 X	$\frac{6.20+3.95}{2} \times 0.100 =$		7.61m ²
	5 X	30 X	3.75 X 0.100 =		56.25m ²
	5 X	30 X	3.75 X 0.100 =		56.25m ²
	1 X	15 X	$\frac{4.10+3.10+4.20}{2} \times 0.100 =$		7.20m ²
			(a) -	Qty	183.56m ²
B.T. portion					
	5 X	30 X	4.05 X	0.200 =	121.50m ²
	1 X	15 X	$\frac{4.30+6.20+4.20}{2} \times 0.200 =$		14.70m ²

Qty 136.20m²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				817	126.24 m ²
	5 X	30 X	4.05 X	0.200	121.50 m ²
	1 X 15 X	$\frac{7.00 + 4.30}{2}$	X	0.200	16.95 m ²
	5 X	30 X	4.05 X	0.200	121.50 m ²
	5 X	30 X	4.05 X	0.200	121.50 m ²
	5 X	30 X	4.05 X	0.200	121.50 m ²
	1 X 15 X	$\frac{4.60 + 6.30 + 4.30}{3}$	X	0.200	15.20 m ²
	5 X	30 X	4.05 X	0.200	121.50 m ²
	1 X 10 X	$\frac{6.10 + 4.35}{2}$	X	0.200	10.45 m ²
	3 X	30 X	4.05 X	0.200	72.90 m ²
	1 X 15 X	$\frac{4.60 + 6.30 + 4.40}{3}$	X	0.200	15.20 m ²
	3 X	30 X	4.05 X	0.200	72.90 m ²
	1 X 10 X	$\frac{4.50 + 6.00 + 4.40}{3}$	X	0.200	9.23 m ²

$$1 \times 15 \times 4.05 \times 0.200 = 12.15 \text{ m}^2$$

$$\text{Sub to } 25104/24 \text{ (a+b) = } 1152.04 \text{ m}^2 \quad (6) - \text{Qty. } 969.48 \text{ m}^2$$

④ providing, laying, spreading and compacting

Stone aggregate of specific size to WBM

Crush - do - all complete job

Part (b)

$$1 \times 15 \times \frac{7.30 + 4.05}{2} \times 0.075 = 6.44 \text{ m}^2$$

$$5 \times 30 \times 3.75 \times 0.075 = 42.19 \text{ m}^2$$

$$5 \times 30 \times 3.75 \times 0.075 = 42.19 \text{ m}^2$$

$$1 \times 15 \times \frac{4.20 + 6.00 + 4.30}{2} \times 0.075 = 5.44 \text{ m}^2$$

$$10 \times 30 \times 2.75 \times 0.075 = 84.38 \text{ m}^2$$

$$1 \times 10 \times \frac{4.10 + 5.40 + 3.95}{2} \times 0.075 = 3.36 \text{ m}^2$$

$$2 \times 30 \times 3.75 \times 0.075 = 16.88 \text{ m}^2$$

$$(9) - \text{Qty. } 200.88 \text{ m}^2$$

$$5 \times 30 \times \frac{3.75}{3.75} \times 0.075 = 42.19 \text{ m}^2$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D. m/f	
					42.19 m ²
		5 x 30 x	2.75 x 0.075		42.19 m ²
		1 x 15 x	$\frac{4.10 + 5.80}{2} \times 0.075$		5.71 m ²
		2 x 30 x	2.75 x 0.075		16.88 m ²
		1 x 10 x	$\frac{3.75 + 4.0}{2} \times 0.075$		2.81 m ²
		1 x 15 x	$\frac{7.20 + 4.10}{2} \times 0.075$		6.36 m ²
				(b) ←	115.64 m ²
<u>Part E</u>		10 x 30 x	2.75 x 0.075		84.38 m ²
		10 x 30 x	2.75 x 0.075		84.38 m ²
		1 x 15 x	$\frac{6.20 + 4.05}{2} \times 0.075$		5.77 m ²
		5 x 30 x	2.75 x 0.075		42.19 m ²
		3 x 30 x	2.75 x 0.075		25.31 m ²
		1 x 15 x	$\frac{4.20 + 6.00 + 4.10}{3} \times 0.075$		5.36 m ²
		5 x 30 x	2.75 x 0.075		42.19 m ²

		3 x 30 x	2.75 x 0.075		25.31 m ²
		1 x 15 x	$\frac{4.20 + 6.50 + 4.15}{3} \times 0.075$		5.53 m ²
<u>Part F</u>		5 x 30 x	2.75 x 0.075		42.19 m ²
		1 x 15 x	$\frac{6.20 + 3.95}{2} \times 0.075$		5.71 m ²
		5 x 30 x	2.75 x 0.075		42.19 m ²
		5 x 30 x	2.75 x 0.075		42.19 m ²
		1 x 15 x	$\frac{4.10 + 6.10 + 4.20}{3} \times 0.075$		5.40 m ²
<u>Part G</u>		5 x 30 x	2.75 x 0.075		42.19 m ²
		1 x 15 x	$\frac{4.20 + 5.90 + 3.90}{3} \times 0.075$		5.18 m ²
		5 x 30 x	2.75 x 0.075		42.19 m ²
		1 x 15 x	$\frac{6.70 + 4.10}{2} \times 0.075$		6.02 m ²
		10 x 30 x	2.75 x 0.075		84.38 m ²
		1 x 15 x	$\frac{4.30 + 5.95 + 4.05}{3} \times 0.075$		5.26 m ²
		10 x 30 x	2.75 x 0.075		84.38 m ²

84.727.80 m²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1	10	$\frac{5.85 + 4.65}{2}$	0.075	2.69 m ²
	3	30	3.75	0.075	25.31 m ²
	1	15	$\frac{4.30 + 6.00 + 4.10}{3}$	0.075	5.40 m ²
	3	30	3.75	0.075	25.31 m ²
	1	10	$\frac{4.20 + 5.70 + 4.10}{3}$	0.075	3.50 m ²
	1	15	3.75	0.075	4.22 m ²
	① - Qty				795.23 m ²
Total Qty of WBH 400 mm					
	a + b + c = 200.88 m ²				115.64 m ²
					+ 795.23 m ²
					= 1111.75 m ²

@446
 20/05/2024
 S-G

Qty
20/05/2024
S-6

⑤ construction of un-reinforced, plain cement concrete pavement thickness as per design - do - do - all complete job as per E/I

1	15	$\frac{7.30 + 4.15}{2}$	0.160	13.74 m ²
5	30	3.75	0.160	90.00 m ²
5	30	3.75	0.160	90.00 m ²
1	15	$\frac{4.20 + 6.00 + 4.30}{3}$	0.160	11.60 m ²
10	30	3.75	0.160	180.00 m ²
1	10	$\frac{4.10 + 5.40 + 3.95}{3}$	0.160	7.17 m ²
2	30	3.75	0.160	36.00 m ²

Qty
28/09/2024

Qty - 428.51 m²

⑥ providing and laying of a R.C.C pipe duct 300 mm dia - do - do - all complete job

$$25.00 \times 7.50 = 187.50 \text{ m}^2$$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑦ H.P. 7500 Mm dia. 5 x 10 excavation for foundation of str. do - do - all complete job					
H.W - $5 \times 2 \times 6.450 \times 1.40 \times 1.50 =$					135.45 m ³
below pipe - $5 \times 1 \times 4.830 \times 1.530 \times 0.765 =$					13.54 m ³
					Qty 148.99 m ³

⑧ Plv Mix Acc as levelling course
in foundation

$$H.W - 5 \times 2 \times 6.450 \times 1.40 \times 0.150 = 13.545 m^3$$

$$\text{Below pipe} - 5 \times 1 \times 4.931 \times 1.530 \times 0.250 = 9.430 m^3$$

$$\text{Qty } 22.975 m^3$$

$$\text{Less for pipe} - 5 \times 0.250 \times 0.787 \times (2.23)^2 \times 5.490 = 8.166 m^3$$

$$\text{Qty } 14.809 m^3$$

⑨ Brick Masonry work in CM (1:4) in head
wall - do - do - all complete job

$$H.W - 5 \times 2 \times 6.150 \times \frac{(1.250 + 0.400)}{2} \times 2.580 = 130.902 m^3$$

$$\text{Parapet} - 5 \times 2 \times 6.150 \times 0.400 \times 1.200 = 29.52 m^3$$

$$\text{Qty } 160.422 m^3$$

$$\text{Less for pipe} - 5 \times 2 \times 0.7857 \times (1.23)^2 \times 0.622 = 7.394 m^3$$

$$245.7 m^3$$

$$\text{Qty } 157.465 m^3$$

$$153.028 m^3$$

⑩ Plv and laying of R.C.C. NP₂ pipe
for culvert - do - do - all complete job

$$5 \times 2.50 \times 3 = 37.5 m^3$$

⑪ Plastering with CM (1:4) on brick
work in s/s

$$\text{outer side} - 5 \times 2 \times 6.150 \times 3.780 = 232.47 m^2$$

$$\text{inner side} - 5 \times 2 \times 6.150 \times 0.600 = 36.90 m^2$$

$$\text{Qty } 269.37 m^2$$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				Qty	269.37 m ²
Top -	5	2	6.150	0.400	24.60 m ²
End -	5	4	0.823	2.550	42.57 m ²
End parapet -	5	9	0.400	1.20	9.60 m ²
				Qty	346.14 m ²
Less for pipe	5	2	0.7857	(1.23)	11.887 m ²
				Qty	334.253 m ²

(12) Plv 1.5MM cement pyramix 1/c

curing - do - do - all complete job

Top -	5	2	6.150	0.400	24.60 m ²
End (Parapet)	5	4	0.400	1.200	9.60 m ²
Inner side -	5	2	6.150	0.600	36.90 m ²
				Qty	71.10 m ²

HP - 600 MM dia - 2NO

(13) E/W in excavation for foundation of

Str do - do - all complete job

H.W -	2	2	3.90	1.15	1.50	26.91 m ²
below pipe -	2	1	5.350	1.13	0.365	4.41 m ²
				Qty		31.32 m ²

(14) Providing pyramix as levelling

course in foundation

H.W -	2	2	3.90	1.15	0.150	2.69 m ²
below pipe -	2	1	5.311	1.130	0.250	3.00 m ²
				Qty		5.69 m ²

(15) Brick masonry work in CM (1:4) for

head wall - do - do - all complete

job

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
M.W -	2x2	3.60	0.70	2.18	31.774 M ²
Ramp -	2x2	3.60	0.40	1.20	6.912 M ²
				Qty	28.886 M ²
Less for pipe -	2x2	0.70	1.20	0.82	2.165 M ²
				Qty	27.721 M ²

(16) Plv and laying of R.C.C. MPJ Pipe for culvert - do - do - all complete job

2x3x2.50 M = 15 M²

(17) Paving with CM (1:4) on blw in sls

Outer side - 2x2x3.60x3.38 = 48.672 M²

Inner side - 2x2x3.60x0.60 = 8.64 M²

Top - 2x2x3.60x0.40 = 5.76 M²

End - 2x4x0.70x2.18 = 12.208 M²

End (Ramp) - 2x4x0.40x1.20 = 3.84 M²

Qty 79.120 M²

Less for pipe - 2x2x0.70x1.20 = 2.165 M²

Qty 75.955 M²

(18) Plv 1.5 MM cement punning 1/c

curing carriage of water - do - do

all complete job

Top - 2x2x3.60x0.40 = 5.76 M²

End (pavement) - 2x4x0.40x1.20 = 3.84 M²

Inner side - 2x2x3.60x0.60 = 8.64 M²

Qty 18.24 M²

R.C.C. culvert (2x2) M

(19) plain / Reinforced cement concrete (M-20)

in structure - do - do - all complete job

as per E/I

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Abutment cap -	2 x	7.50 m	0.700	0.300	2.10 m^2
Dirt wall -	2 x	7.50 m	0.400	0.240	1.44 m^2
Return wall coping -	4 x	2.20 m	0.400	0.150	0.528 m^2
				Qty	4.068 m^2

(20) Plv Bitumen painting over top surface of Abut cap & inner vertical — do — do
— all complete job

Abut Cap	2 x	7.500	0.700	$= 10.50 \text{ m}^2$
Dirt wall	2 x	7.50	0.240	$= 3.60 \text{ m}^2$
			Qty	14.10 m^2

(21) providing and laying R.C.C in Superstructure over Deck slab & — do — all complete job

$$1 \times 7.50 \times 2.560 \times 0.240 = 4.608 \text{ m}^2$$

(22) Supplying, lifting and placing H.V.S.D bar reinforcement in sls

— do — do — all complete job

Deck Slab
Main bar — 12 mm dia @ 100 mm c/c

$$75 \text{ No} \times 2.70 \text{ m} = 202.50 \text{ m}$$

$$= 180.23 \text{ kg}$$

Binder bottom 10 mm @ 250 mm c/c

$$11 \text{ No} \times 7.60 = 83.60 \text{ m} \times 0.62 \text{ kg/m} = 51.83 \text{ kg}$$

Extra top bar — 10 mm @ 100 mm c/c

$$75 \text{ No} \times 2.48 \text{ m} = 186 \text{ m} \times 0.62 \text{ kg/m} = 115.32 \text{ kg}$$

Binder top 10 mm @ 250 mm c/c

$$11 \text{ No} \times 7.60 = 83.60 \text{ m} \times 0.62 \text{ kg/m} = 51.82 \text{ kg}$$

Extra bottom bar — 10 mm @ 250 mm c/c

$$75 \text{ No} \times 1.06 = 78 \text{ m} \times 0.62 \text{ kg/m} = 48.36 \text{ kg}$$

For Abut cap & dirt wall (a) Qty 447.57 kg

$$\text{Main bar } 10 \text{ mm} - 12 \text{ No} \times 7.420 = 89.04 \text{ m} \times 0.62 \text{ kg/m} = 55.20 \text{ kg}$$

$$\text{Stirrups } @ 250 \text{ mm c/c } 8 \text{ mm c/c} = 8 \times 55.20 = 441.60 \text{ kg}$$

$$30 \text{ No} \times 2.10 \text{ m} = 63 \text{ m} \times 0.39 \text{ kg/m} = 24.57 \text{ kg}$$

$$\text{For 2 No Abut & dirt wall} = 2 \times 74.72 = 149.44 \text{ kg}$$

$$\text{Total (a) + (b)} = 447.57 \text{ kg} + 149.44 \text{ kg} = 597.01 \text{ kg}$$

Qty limit 0.586 MT

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(23) plv and filling joint sealing compound — do — do — all complete job $2 \times 7.50M = 15.00M$					
(24) Brick Masonry work in CM (1:3) in Parapet — do — do — all complete $2 \times 8.00 \times 0.40 \times 0.60 = 3.84M^2$					
(25) plastering with CM (1:4) in brickwork in sls					
Abut side	2	2.00	1.00	1.80	$= 7.20M^2$
Abut girth side	2	7.50	1.80		$= 27.00M^2$
rlw (front)	4	0.75	2.00		$= 6.00M^2$
rlw (side)	4	2.00	1.80		$= 14.40M^2$
rlw (side) Above Abut	4	2.30	0.250		$= 2.668M^2$
Parapet wall (side)	4	8.00	0.60		$= 19.20M^2$
Parapet wall Top	2	8.00	0.40		$= 6.40M^2$
Parapet wall End	4	0.400	0.60		$= 0.96M^2$
				Qty	84.088M ²
(26) plv 1.5 mm cement grouting & curing carriage of water — do — do — all complete job					
Parapet wall (side)	4	8.00	0.60		$= 19.20M^2$
Parapet wall (Top)	2	8.00	0.400		$= 6.40M^2$
Parapet (End)	4	0.400	0.60		$= 0.96M^2$
				Qty	26.56M ²
(27) plv weep hole in b/w, R.C.C abutment wing wall, slw in etc — do — do — all complete job. 40 Nos					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
R.C. culvert (3x2.50m)					
(28) E/W in excavation for str. as per					
— do — do — all complete job					
Abutment	2 x	9.30	2.567	1.800	85.942 m ²
R/W	4 x	1.433	2.382	1.80	24.587 m ²
Floor under Deck slab	1 x	7.70	1.20	0.20	2.310 m ²
					112.84 m ²
10% Qty extra for slope					11.284 m ²
					124.124 m ²
(29) Sand filling in foundation					
bench — do — do — all complete job					
	1 x	7.70	2.625	0.100	2.021 m ²
(30) providing R.C.C M15 (1:2:5:3) concrete for Plain concrete in open foundation					
— do — do — all complete job					
Abutment	2 x	9.30	2.567	0.20	9.549 m ²
R/W	4 x	1.433	2.382	0.200	2.732 m ²
Floor under Deck slab	1 x	7.70	2.734	0.150	3.158 m ²
					Qty — 15.439 m ²
(31) Plv Brick Masonry work in CM (1:4) in foundation — do — do — all complete job as per F11					
Abutment	2 x	8.40	$\frac{2.367 + 1.667}{2}$	1.60	54.27 m ²
Retain wall	4 x	1.432	1.833	1.60	16.810 m ²
					Qty — 71.027 m ²
(32) Plv Brick work in CM (1:4) in sub struct and kerb complete — do — do — all complete job					
Abutment	2 x	7.50	1.084	2.20	37.396 m ²
R/W	4 x	1.817	0.842	2.650	16.217 m ²
					Qty 53.613 m ²

Sch. XLV-Form No. 154					
Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(33) Plain R.C.C (M-20) in substructure					
— do — do — all complete job					
Abut cap -	2 x	7.50	0.70	0.30	2.10 m ²
Dirt wall -	2 x	7.50	0.40	0.30	1.80 m ²
Return wall coping -	4 x	2.20	0.40	0.15	0.528 m ²
					Qty 4.428 m ²

(34) Plv Bitumen quantity over top surface					
of Abut cap — do — do — all complete job					
Abutment cap	2	7.50	0.70	0.30	10.50 m ²
Dirt wall	2	7.50	0.30		4.50 m ²
					Rqy 15.00 m ²

(35) Plv and laying reinforcement cement concrete					
in S/S Deck slab Hrs — do — do — all					
complete job					
	1	7.50	3.50	0.30	8.01 m ²

(36) Supplying fitting and placing HYSD bar reinforcement in super structure — do

— do — all complete job — Reinforcement detail					
Main bar	16mm @ 120mm c/c				
	60m x 3.80m = 228m x 1.58 kg/m				
Bottom binder	12mm @ 200mm c/c				
	18m x 7.62m = 137.16m x 0.89 kg/m				
Top binder	12mm @ 200mm c/c				
	18m x 7.62m = 137.16m x 0.89 kg/m				
Extra bottom bar	12mm				
	60m x 1.50m = 90m x 0.89 kg/m				
Extra top bar	60m x 3.60m = 180m x 0.89 kg/m				
Extra for chair bar					
For Abut cap & dirt wall					
Main bar	16mm — 12m x 7.42 = 89.04m x 0.89				
Strips @ 200mm c/c					
	38 x 2.20m = 83.60m x 0.39 = 32.60m				
2 No Abut cap	2 x 87.88 kg = 175.60 kg				

Total Rqy (a+b)
 = 864.88 kg + 175.60 kg
 = 1040.28 kg = 1.04 MT
 Limit Rqy = 1.017 MT

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(37) Brick Masonry work in CH (113) in parapet — do — do — all complete job					
	2 x	9.00 x	0.400 x	0.600 =	9.32 m ²
(38) Plastering with CH (124) on brick work in sls — do — do — all complete job					
Abutment Side	2 x	2.00 x	1.084 x	2.30 =	9.97 m ²
Abutment Side	2 x	7.50 x	2.30 =		34.50 m ²
R/W (Front)	4 x	0.842 x	2.650 =		8.92 m ²
R/W (Side face below Abt cap)	4 x	1.917 x	2.300 =		17.63 m ²
R/W (Side face Above Abt cap)	4 x	2.30 x	0.350 =		3.22 m ²
Parapet wall (Side)	4 x	9.00 x	0.600 =		21.60 m ²
Parapet wall (Top)	2 x	9.00 x	0.400 =		7.20 m ²
Parapet (Ends)	4 x	0.400 x	0.600 =		0.96 m ²
				Qty	104.44 m ²
(39) Plv 1.5 MM cement punning including curing — do — do — all complete job					
Parapet wall (Side)	4 x	9.00 x	0.600 =		21.60 m ²
Parapet wall (Top)	2 x	9.00 x	0.400 =		7.20 m ²
Parapet (Ends)	2 x	0.400 x	0.600 =		0.96 m ²
				Qty	29.76 m ²
(40) Plv weep hole in brick masonry plain / l.c.c. abutment — do — do — all complete job					
			32 NO.		
(41) Construction of earthen shoulder with approved material obtained from borrow pits — do — do — all complete job					
for 6-6/5	2 x	10 x	30 x	1.49 x	0.200 = 178.80 m ³
					178.80 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2 x 10 x 30 x		1.49	0.20		128.80 m ²
2 x 10 x 30 x		1.48	0.20		168.00 m ²
2 x 10 x 30 x		1.49	0.20		178.80 m ²
For width 1.21					
2 x 10 x 20 x		1.30	0.075		58.50 m ²
2 x 10 x 30 x		1.26	0.075		28.25 m ²
2 x 10 x 30 x		1.30	0.075		58.50 m ²
2 x 10 x 30 x		1.30	0.075		58.50 m ²
2 x 10 x 30 x		1.30	0.075		58.50 m ²
					Qty 938.40 m ²
Subt					
28/09/2021					
S.E					

ABSTRACT OF COST

(1) Providing and fixing of working bench mark pillar.

Qty vide Reg No (13) in MB ibm No

9 No

@ Rs 3430.00/mo

Rs 30,870.00

(2) Plv and fixing of Reference pillar

Qty vide Reg No (13) in MB ibm No

35 No

@ Rs 1552.91/mo

Rs 54,352.00

(3) Clearing and grubbing Road Land

Qty vide Reg No (3) in MB ibm No

1.24 Hq

@ Rs 47488.85/Hq

Rs 58,886.00

(4) Construction of embankment with approved

material - do - do - all complete job

For 1000 H Lead

Qty vide Reg No (4) in MB = 982.85 m²

Qty vide Reg No (2) in MB = 980.00 m²

for MB (2)

Qty 1262.85 m²

Rs 2,21,239.00

@ 175 = 19 m²

Continuation

Rs 3,65,347.00

Sch. XLV-Form No. 134					
Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	

Q/R 5-36 5,347 = 6

For 100 M lead

84. Yield of NO ₂ in ppm	3931.40
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Qty	vide list	At 100	600
in 100	100	100	

$$4.5 \times 10^{-4} \text{ m}^2$$

680798-00

@ RS = 150 = 24/m³

$\left(\frac{6}{9}\right)$ Construction of subgroup 8 out of

9) Comp				
shoulder	-do-	-do-	all complete	1ok

$$\text{St. vide } \rho_{\text{air}} = 1.2 = 9049.4 \text{ N/m}^3$$

Qty. vide Rec No (22) = 2619.15 M²
(in TMB 4th R)

Qty wide flange (24) = 938.40 m²

$$= 12606.96 \text{ m}^3$$

② $P_3 = 184 = 63/4^3$

R₂ 2327623-0

Construction of Co. SB. List

—do—do—all complete job

Qty vials Page No (4)th = 1522-32143
TMB, item No (1)

TMG, (from No. 1)		
Styrene Acrylate (23), in =	11.53.0	4 M ³
TMG, (from No. 1)		2.75.2

$$Q_{t_4} = 2675.36 \text{ m}^3$$

② $R_3: 1689 = 881 \times 3$

$$R_2 = 4521037 = 4521037 \cdot 10^6$$

8
11+16

stone agg. of spec. size to WRM 1000

Q. 4 vide page no (25) = 1111.75 m³

$$R_1 = 28,85792 = \infty$$

② $R_3 = 2595 = 72/m^3$

⑨ construction of unreinforced plain cement concrete pavement - du-do

3) Construction of
cement concrete pavement - du-do

-all complete ion

Qty vide page No ②⑤ in TMS
ibm no ⑤

Ref: 2747310-09

② RS-6411-31/MS

Rs-1,3527,907/-

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					BIF AC-1,31,24,707=00
(10/25) Plv and laying of R.C.C pipe duct 300mm dia.					
					Qty vide Page No (25) in TMB
					Item No (B) 187.50 Hr
@ Rs 848=41 Hr					B 159,000=00
(11/27) Plv & fixing of logo information & citizen board					
					Qty vide Page No (27) in TMB
					Item No (B) 2 No
@ B 8785=16/No					B 17,570=00
(12/28) E/W in excavation for foundation Qty vide Page No (28) in TMB					
					31.32 m ²
@ Rs 242=28/m ²					B 7826=00
(13/29) Plv Mr R.C.C as levelly course in foot					
					Qty vide Page No (29) in TMB, Item No (B)
					5.69 m ²
@ B 4000=56/m ²					B 22,767=00
(14/30) Brick Masonry work in CH (1:1) in headwork					
					Qty vide Page No (30) in TMB, Item (B)
					27.739 m ³
@ Rs 5345=02/m ³					B 148,266=00
(15/31) Plv & laying R.C.C pipe MP3 for culvert					
					Qty vide Page No (31) in TMB, Item No (B)
					15.04 Hr
@ 2598=51/Hr					B 38,978=00
(16/32) Plastering with CH (1:1) on both sides					
					Qty vide Page No (32) in TMB
					76.95 m ²
					B 10,256=00
@ B 133=27/m ²					B 1,39,32,570=00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				BIF RS-139	325.70 = cu
(17/33) Plv 15mm cement putty					
Qty vide P.O. No (17) in m ²					
@ Rs 43 = 65/m ²		18.24 m ²		Rs	796 = cu
(18/34) E/W in excavation for foundn of str					
Qty vide P.O. No (17) in m ²					
Qty vide P.O. No (20) in m ²					
Qty 178.788 m ²					
@ Rs 249 = 88/m ²				B	44,676 = cu
(19/35) Plv P.O.C H/S as levelling course					
Qty vide P.O. No (21) in m ²					
Qty vide P.O. No (26) in m ²					
Qty 12.99 m ²					
@ Rs 4000 = 56/m ²				B	71,094 = cu
(20/36) Plv Brick Masonry work in cm (1:4) in head wall					
Qty vide P.O. No (18) in m ²					
Qty vide P.O. No (26) in m ²					
Qty 183.633 m ²				B	98,152 = cu
@ Rs 5345 = 0.31 m ³					
(21/37) Plv and laying R.C.C. P.S. AB for culvert					
Qty vide P.O. No (19) in m ²					
Qty vide P.O. No (26) in m ²					
Qty 43.00 m ²				B	16,454 = cu
@ Rs 3656 = 0.11 m ³					
(22/38) Plastering with cm (1:2) on both sides					
Qty vide P.O. No (18) in m ²					
Qty vide P.O. No (26) in m ²					
Qty 401.109 m ²					
@ Rs 133 = 22/m ²				B	53,455 = cu
				B	1,52,486 = cu

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					Alf-1,52,48,660 = cu
(23/39) Plv 1.57M cement punning.					
Qty of concrete (18) in M.A.					14.330 M ³
Qty of concrete (23) in M.A.					71.10 M ³
					Qty 85.33 M ³
@ R 43 = 637 M ²					R 3724 = cu
(24/40) E/W in excavation of foundation of str.					
Qty of concrete (16) in M.A. (15)					
					89.219 M ³
@ R 249 = 88 M ²					R 22,294 = cu
(25/41) Sand filling in found trench					
Qty of concrete (16) in M.A.					
					1.250 M ³
@ R 443.97 / M ³					R 555 = cu
(26/42) Plv P.C.C. M15 as levelling course					
In foundations					
Qty of concrete (16) in M.A. (17)					
					13.061 M ³
@ R 4000 = 56 M ³					R 52,237 = cu
(27/43) Brick Masonry work in CH (114) in found.					
Qty of concrete (17) in M.A. (18)					
					56.141 M ³
@ R 5107 = 97 M ³					R 28,67,64 = cu
(28/44) Brick Masonry work in CH (144) in S/S.					
Qty of concrete (17) in M.A. (19)					
					39.889 M ³
@ R 5245 = 12 M ³					R 20,78,62 = cu
(29/45) Plv plain R.C.C. M20 in sub structure					
Qty of concrete (20) in M.A. (21)					
					4.668 M ³
@ R 4721 = 36 M ³					R 19,208 = cu
(30/46) Plv Bitumen painting over top surface					
Qty of concrete (21) in M.A.					
					14.10 M ²
@ R 14 = 49 M ²					R 204 = cu
					R 1,58,41,502 = cu

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					BIFA- 158,41,502=
(31/48) Plv & laying R.C.C in sl/s Deck slab					
Qty					
Qty vide Pw No (28) in TMB					
ibm No (2)					
		4.608 M ³			R 26,141=
@ R 5672=94/M ³					
(32/48) Supplying, fitting and placing M20					
con reinforcement					
Qty vide Pw No (28) in TMB					
		0.586 MT			R 32,320=
@ R 56857=50/MT					
(33/49) Plv & filling joint sealing compound					
Qty vide Pw No (28) in TMB					
		15.00 M			R 526=
@ R 35=03/MT					
(34/50) Brick masonry work in CM (1:4) in					
Recept					
Qty vide Pw No (28) in TMB, ibm No (2)					
		3.84 M ³			R 22,450=
@ R 5846=26/M ³					
(35/51) plastering with CM (1:4) on b/w in sl/s					
Qty vide Pw No (28) in TMB					
		84.088 M ²			R 11,206=
@ R 133=27/M ²					
(36/52) Plv work hole in brick masonry					
Plain R.C.C.; about					
Qty vide Pw No (28) in TMB					
		40 M ³			R 4332=
@ R 108=22/M ³					
(37/52) Plv 1.5mm cement putting					
Qty vide Pw No (28) in TMB					
		26.56 M ²			R 1157=
@ R 43=65/M ²					
					R 159,40636=

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B/F R 1.59, 40,636=	
(38/34) Blw in excavation of foundation					
Str - do - do - all complete job					
Qty vide page No (31) in TMB					
item No (32)					
@ R 249=88/m ³		124.34 m ³		R 31,016=	
(39/33) Sand filling in foundation trench					
Qty vide page No (31) in TMB, item No (33)					
@ R 443=92/m ³		2.021 m ³		R 899=	
(40/38) Plv p.c.c M15 concrete in open foundation.					
Qty vide page No (31) in TMB, item No (30)					
@ 4000=56/m ³		15.439 m ³		R 61,765=	
(41/37) Brick masonry work in ch (124) in foundation.					
Qty vide page No (31) in TMB					
@ R 5107=57/m ³		71.028 m ³		R 3,62,780=	
(42/36) Plv Brick masonry in ch (124) in sls					
Qty vide page No (31) in TMB, item No (32)					
5345=62		53.615 m ³		R 2,86,573=	
@ R 4721=76/m ³					
(43/39) Plv plain R.C (M20) in sls.					
Qty vide page No (33) in TMB, item No (35)					
@ 4721=76/m ³		4.428 m ³		R 2,09,08=	
(44/60) Plv Bitumen painting top over surface					
Qty vide page No (32) in TMB					
item No (34)					
@ 14445/m		15.00 m		R 214=	
(45/61) Plv R.C.C M20 in Deck slab					
Qty vide page No (33) in TMB					
@ 5672=99/m ³		8.01 m ³		R 45,440=	
				R 1,67,50,232=	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			161.63	167.50	222.00
(46/53) Supplying, fitting and placing 1430 bar reinforcement					
Qty vide spec No (3) in TMB item No (32)			1.017 m		
@ R 56859 = 80/m					R 57,826.00
(47/49) Plv Brick Masonry work in (13) in Parapet					
Qty vide spec No (3) in TMB item No (37)		4.32 m			
@ R 5846 = 26/m ²					R 25,256.00
(48/65) Plastering with (134) on b/w in sls					
Qty vide spec No (3) in TMB					
@ R 133 = 27/m ²		104.64 m ²			R 13,860.00
(49/66) Plv 1.5mm thick cement putting					
Qty vide spec No (3) in TMB					
@ R 43 = 65/m ²		29.74 m ²			R 12,99.00
(50/67) Plv weep hole in brick masonry, plain/ R.C.C - do - do - all complete job					
		32 m			
@ R 108 = 28/m					R 3,465.00
(51/83) E/W in excavation of foundation in str					
Qty vide spec No (13) in TMB item No (9)					
@ R 249 = 88/m ²		270.38 m ²			R 92,551.00
(52/83) Sand filling in foundation					
Qty vide spec No (13) in TMB, item (10)					
@ R 443 = 92/m ²		30.08 m ²			R 13,355.00
(53/84) Brick flat soling in foundation					
Qty vide spec No (13) in TMB item No (11)					
@ R 328 = 61/m ²		200.834 m ²			R 65,775.00
					R 1,702,619.00

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

BIF B 1,70,23,619 = m

(51/81) Plv p.c.c. Hrs in levelling course

Qty vide P.W. No. 145 in M.B.

48.268 m²

@ R 3000 = 51/m²

R 1,73,499 = m

(52/81) Brick Masonry work in CH (11) V in foundation

Qty vide P.W. No. (16) in M.B.

16 m No. 14

152.858 m²

@ 5107 = 52/m²

R 7,80,733 = m

(53/81) Plv Brick Masonry work in CH (11) V in substructure.

Qty vide P.W. No. (16) in M.B.

16 m No. 14

100.605 m²

@ 5345 = 02/m²

R 5,27,752 = m

R 18,53,563 = m

Add G.S.T @ 12% (+) R 2,22,422 = m

Add Less @ 1% (+) R 1,85,356 = m

R 2,09,45,231 = m

Less 10% as per Agreement (-) R 2,09,45,231 = m

R 1,88,50,708 = m

Deduct previous Payment (+) R 77,70,952 = m

P. No. 145

R 1,10,79,756 = m

Subd
28/09/2021
5-8

Cond

28/12/21