

कार्यपालक अभियंता का कार्यालय
ग्रामीण कार्य विभाग, कार्य प्रमंडल, चकिया, (पूर्वी चम्पारण)।

पत्रांक: 1325अनु0 / चकिया, दिनांक: 01/08/2023

प्रेषक

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, चकिया।

सेवामे,

अपर मुख्य कार्यपालक पदाधिकारी-सह-सचिव,
बिहार ग्रामीण पथ विकास एजेंसी,
ग्रामीण कार्य विभाग, बिहार, पटना।

विषय- विभाग के नई निति रख-रखाव 2018 M.R (3054) योजना के अन्तर्गत निर्माणाधीन कार्य के लिए निधि उपलब्ध कराने के संबंध में।

महाशय,

उपर्युक्त विषय के संबंध में विभाग के नई निति रख-रखाव 2018 M.R (3054) योजना के अन्तर्गत निर्माणाधीन कार्य के लिए पथवार मांगी जाने वाली आवंटन की सूची पत्र के साथ भवदीय के अवलोकनार्थ एवं आवश्यक कार्रवाई हेतु समर्पित की जा रही है।

अतः संलग्न सूची के अनुसार आवंटन उपलब्ध कराने की कृपा की जाय।

- अनु0:- 1. आवंटन की सूची।
2. मापी पुस्त की छाया प्रति।

विश्वासभाजन,

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल-चकिया।

01/08/23

ज्ञापांक-1325 दिनांक-01-08-2023

प्रतिलिपि-नोडल पदाधिकारी (3054), ग्रामीण कार्य विभाग, बिहार, पटना को सूचनार्थ एवं आवश्यक कार्रवाई हेतु समर्पित।

- अनु0:- 1. आवंटन की सूची।
2. मापी पुस्त की छाया प्रति।

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल-चकिया।

01/08/23

**OFFICE OF THE EXECUTIVE ENGINEER,
RURAL WORKS DEPARTMENT, WORKS DIVISION, Chakia.**

Requisition Format for Scheme Head- MR(3054) under Bihar Rural Road Maintenance Policy-2018 (Initial Rectification and Surface Renewal)

Name of Works Division : Chakia

Sl No.	Package No.	Name of Road	Project ID as per MIS	Administrative Approval ((AA) Letter No. & Date	Administrative Approval (AA)		Agreement Amount (In Lakh)			Agreement No. & Date	Date of Completion as per Agreement	Actual Date of Completion	Value of IRI (in mm/km)	Thickness of Bitumen layer (in mm)	Value of Bitumen Content in Percentage	Previous Total Allocated Amount (In lakh)	up-to-date expenditure as per MIS (In Lakh)	Requisition against work done. (in Lakh)	Remarks
					Length (In Km)	Amount of (In Lakh)	Initial Rectification with Surface Renewal (in lakh)	5 Years Routine Maintenance (In Lakh)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
1	RM/EA/CHA/22/0008	N.H.28 - Baitiya via Kolrgawa	31708202133	Latter No.105 Date- 03.06.2022	3.938	203.95000	156.69956	42.18810	17 MBD/2022-23 Date- 28.07.2022	27.04.2023	15-03-23	2302	25	05.00	148.51000	148.51000	8.05279	Complete	
2	RM/EA/CHA/22/0008	Pipra Kothi to Semra Bazar Via Harpur	31708202040	Latter No.105 Date- 03.06.2022	2.600	159.00280	126.00346	28.69651	17 MBD/2022-23 Date- 28.07.2022	27.04.2023	02-02-23	2674.09	25	05.00	115.89454	115.89454	6.67933	Complete	
					6.538	362.95280	282.70302								264.40454	264.40454	14.73212		

1 Signed Hard Copy and Soft Copy (in excel) of recorded IRI is enclosed.

2 Up-to-date Physical Progress has been uploaded in MIS.



Executive Engineer,
 Rural Works Department,
 Works Division, Chakia.

01/08/23

Form GER 19-A
(See Government of India's decision (1) below Rule - 150)
Form of utilization certificate up to the month up to 08/2023
M.R. (3054) New maintenance Policy-2018.

PIU - RWD , W.D- CHAKIA

SL. NO	Name of Scheme	Sanction No. / Date with Amount (in RS. Lachs)	Amount Received (in RS. Lacks)	particulars
1	M.R. (3054) New maintenance Policy-2018	9738.54490	9738.54490	Certified that out of Rs.9738.5449 Lacs Receive upto the year.2023-24 executive engineer RWD, (W) DIV, chakia a sum of RS.9670.19920 Lacs has been utilized for the perpose of M.R. (3054) New maintenance Policy-2018 'CFMS' Schemes given in the margin for which it was sanctioned and that the balance of Rs.67.62570 lacks remaining unutilized at this end of the (up to 08/2023)

2. Certificate that I have satisfied myself that the conditions on which the grand's-in-aid was sanctioned have been duly fulfilled/ate being fulfilled and that have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned kinds of cheks exercised:-

- Works have been supervised by Executive Engineer/ Superintending Engineer.
- Periodical inspection has been conducted by Executive Engineer/ Superintending Engineer.
- Construction materials have been tested.
- Measurements have been recorded in the MBs and test check conducted by the Assistant.

3. Physical Progress achieved :-

- Construction of M.R. (3054) New maintenance Policy-2018 (Details In Progress report)
- Construction of Road Works. (.....Do.....)

EXECUTIVE ENGINEER,
RURAL WORKS DEPARTMENT
WORKS DIVISION- CHAKIA.

01/08/23

3rd & final Bill

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
HLW - Pipra Kothi to					
Santa Bazar via					
Haripur					
Agency - pushkarthakur					
Agreement No - 113/2022-23					
Date of work order - 28-7-22					
Date of completion - 27-4-23					

ABSTRACT OF COST

1) clearing & grubbing					
vide ITMB P-47					
Qty 0.52 Hec					
@ 5972.613/Hec					
= RS 31058.0					
2) con'n of sub-grade					
Reinforcement					
vide ITMB P-47					
Qty 1172.1 m ³					
@ 254.04/m ³ RS 299285.0					
3) providing & laying					
W.S.B					
vide ITMB P-47					
Qty 85.21 m ³					
@ 2709.43/m ³ RS 230871.0					

Continuation



Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4 mBM g-rd					
vide TMA P-48					
Qty 109.50 m ³					
@ 5987.10/m ³ RS 579360.0					
5 wBM g-rd					
vide TMA P-48					
Qty 166.82 m ³					
@ 5070.99 = RS 845942.10					
6 plim road					
vide TMA P-48					
Qty 2294.27 m ²					
@ 58.13/m ² RS 13521.0					
7 tack coat					
vide TMA P-48					
Qty 11465.84 m ²					
@ 20.13/m ² RS 230808.0					
8 mss					
vide TMA P-48					
Qty 2220.27 m ²					
@ 255.51 = RS 568323.0					
9 STBC					
vide TMA P-48					
Qty 231.0 m ³					
@ 13840.73 m ³ RS 3197203.0					

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$\frac{10}{10}$ Provisioning & laying					
km stone					
width 1.13 P-49					
qty 3 m					
@ 2936.23 RS					8809.0
$\frac{11}{11}$ 200 m stone					
width 1.13 P-49					
qty 11 m					
@ 818.47 RS					9003.00
$\frac{12}{12}$ 600 mm equivalent					
drainage					
width 1.13 P-49					
qty 10 m					
@ 4140.73 RS					41407.0
$\frac{13}{13}$ 600 mm circular					
width 1.13 P-49					
qty 11 m					
@ 5505.32 RS					82021.00
$\frac{14}{14}$ 600 mm + 450 mm					
perforation					
width 1.13 P-50					
qty 2 m					
@ 5375.97 RS					10752.0

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
15 15 boundary pillar					
with T.M.B P-50					
Qty 39 Nos					
@ 612.82 = RS 24095.0					
16 16 planting of tree					
with T.M.B P-50					
Qty 100 Nos					
@ 1079.33 = RS 107933.0					
17 17 Not applicable					
thermo plastic					
with T.M.B P-50					
Qty 520 m ²					
@ 513.74 = RS 428345.0					
18 18 Not applicable					
with T.M.B P-50					
Qty 8 m ²					
@ 823.74 = RS 6590.0					
19 19 Boundary information					
Sign board					
with T.M.B P-51					
Qty 3 Nos					
@ 12705.95 = RS 38115.0					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
20 20 Floor in excavation					
Width TMB P-51					
Qty 341.28 m ²					
@ 326.86 RS 114964.0					
21 21 Brick Soling					
Width TMB P-51					
Qty 66.60 m ²					
@ 318.21 RS 21200.00					
22 22 Per misin down					
Width TMB P-51					
Qty 67.14 m ²					
@ 7507.05 RS 504023.0					
23 23 Brick masonry down					
Width TMB P-51					
Qty 164.25 m ²					
@ 6199.74 RS 1022270					
24 24 Brick masonry up					
Width TMB P-52					
Qty 124.50 m ²					
@ 6494.53 RS 808569.0					
25 25 Per rise in subgrade					
Width TMB P-54					
Qty 11.46					
@ 8051.36 m ² RS 92303.0					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
26 26 PCC masonry					
Super str					
Width TM B P-52					
Qty 15.32 m ³					
@ 3077.84 = RS 22985.10					
27 27 Hydral bed					
Width TM B P-52					
Qty 11.65 m ³					
@ 8816.57 / m ³ = RS 102637.10					
28 28 Back filling					
Width TM B P-51					
Qty 11.73 m ³					
@ 6142.75 = RS 7567.0					
29 29 Plastering					
Width TM B P-53					
Qty 19.72 m ²					
@ 196.75 / m ² = RS 3230.0					
30 30 painting					
Qty 11					
Width TM B P-53					
Qty 40.32 m ²					
@ 114.73 = RS 4626.0					
31 31 Back filling					
Width TM B P-53					
Qty 109.86 m ³					
@ 664.26 / m ³ = RS 72976.0					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
32 32 weep holes					
with TMB P-53					
Qty 66 m					
@ 141.69 = 239352.0					
33 33 cement p. lining					
with TMB P-53					
Qty 18.8 m					
@ 27.90 = 1363.0					
34 34 Bending cover					
with TMB P-53					
Qty 4.95 m					
@ 8054.36 = 39869.0					
RS 10262312.0					
Add 10.1 S.F					RS 52595.00
Add 1.1 L.F					12541 102623.0
Add 18.1 S.F					1847216.0
					RS 12264746.0
Less 0.06.1.					RS 7359.00
					RS 12257387.0
Less p.m. pay					RS 11589454.0
					RS 667333.00
Report					
28/12/23					
J.E					
08/12/23					
08/12					

अधीक्षण अभियंता का कार्यालय
ग्रामीण कार्य विभाग, कार्य अंचल मोतिहारी, पूर्वी चम्पारण।

पत्रांक: 809 (अनु) दिनांक: 20/07/2023

प्रेषक

अधीक्षण अभियन्ता
ग्रामीण कार्य विभाग
कार्य अंचल, मोतिहारी।

सेवा मे,

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमंडल, चकिया।

विषय— ग्रामीण कार्य विभाग, कार्य प्रमंडल, चकिया के अधीन शीर्ष MR (3054) नई अनुरक्षण नीति-2018 के अन्तर्गत जी0एस0टी0 दर 12 प्रतिशत से 18 प्रतिशत होने के कारण अद्यतन पुनरीक्षित परिमाण विपत्र अनुमोदनोपरान्त वापस करने के संबंध में।

प्रसंग— आपका पत्रांक-417, दिनांक-16.03.2023

महाशय,

उपरोक्त विषयक प्रासंगिक पत्र द्वारा प्राप्त ग्रामीण कार्य विभाग, कार्य प्रमंडल, चकिया के अधीन शीर्ष MR (3054) नई अनुरक्षण नीति-2018 के अन्तर्गत जी0एस0टी0 दर 12 प्रतिशत से 18 प्रतिशत होने के कारण अद्यतन पुनरीक्षित परिमाण विपत्र अनुमोदनोपरान्त वापस किया जाता है।

क्र.सं.	पथ का नाम/पैकेज संख्या	पुनरीक्षित परिमाण विपत्र की राशि (रु० में)
1.	MR-N/22-23 Chakia-/03 / RM/EA/CHA/22/0008	35358762.00

अनु—यथोक्त।

विश्वासभाजन,



अधीक्षण अभियन्ता
ग्रामीण कार्य विभाग,
कार्य अंचल, मोतिहारी।

Revised Abstract of BOQ for Package No.- MR-N/22-23 CHAKIA/03
Rural Works Department, Works Division, Chakia.

Sl. No.	Name of Road	Block	Length (K.M)	Cost of BOQ on 12 % (In Rs.)		Total Cost of on 12 % (In Rs)	Cost of BOQ on 18 % (In Rs.)		Total Cost of on 18 % (In Rs)
				Cost.	Maint.		Cost.	Maint.	
1	2	3	4	5	6	7	8	9	10
1	Pipra Kothi to Semra Bazar Via Harpur <i>APA-159.02</i>	Chakia	2.600	11968633	2725239	14693872	12600346	2869651	15469997
2	NH-28 to Bairiya Via Koirgawan <i>APA 203.95</i>	Chakia	3.938	14887442	4006469	18893912	15669956	4218810	19888765
Total			6.538	26856075	6731709	33587784	28270302	7088460	35358762

(Signature)
 Executive Engineer
 Rural Works Department
 Works Division, Chakia.
16/03/23

*Revised B.O.D. figure to increase in G.S.T. from 12% to 18% is approved for Rs 35358762.00
 (appears three crore fifty three - Lakh Fifty eight - thousand seven hundred - sixty two) only. For further action follow the instructions as per letter no 761 dt 23.03.2023 of BRRDA.*

(Signature)
 Superintending Engineer
 Rural Works Department
 Works Circle, Motihari

COMPARATIVE STATEMENT OF REVISED BOQ

PACKAGE NO.-MR-N/22-23 Chakia-03

Length of the Road :- 2.600 K.M

Name of Road:-Pipra Kothi to Semra Bazar Via Harpur

Block :- Chakia, District :- East Champaran

Block :- Chakia, District :- East Champaran													
Sl. No.	Item Description	As Per Sanctioned Estimate / BOQ on 12 % GST				As Per Sanctioned Estimate / BOQ on 18 % GST				Difference		% (+/-) Amount	Remarks
		Units	Quantity	Estimated Rate	Total Amount Without Taxes	Quantity	Estimated Rate	Total Amount Without Taxes	Quantity	Amount			
1	2	3	4	5	6	7	8	9	10	11	12	13	
	Pipra Kothi to Semra Bazar Via Harpur												
	Clearing and grubbing road land including uprooting wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300 mm, removal of stumps of such trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, upto a lead of 1000 m including removal and disposal of top organic soil not exceeding 150 mm in thickness as per Technical Specification Clause 201.	Ha	0.520	59726.130	31057.5876	0.520	59726.130	31057.5876	0.00	0.00	0.00%		
1	Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table 300.2 with lead upto 1000m as per Technical Specification clause	Cum	1248.000	254.040	317041.92	1248.000	254.040	317041.92	0.00	0.00	0.00%		
2	Construction of granular sub-base by providing well graded material, spreading in uniform layers with tractor mounted grader arrangement on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.	Cum	85.210	2709.430	230870.5303	85.210	2709.430	230870.5303	0.00	0.00	0.00%		
3	(By mix in place method) For Grading II Material Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.	Cum	109.580	5287.100	579360.418	109.580	5287.100	579360.418	0.00	0.00	0.00%		
4	WBM Grading 2 (By Mechanical Means) Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.	cum	166.820	5070.990	845942.5518	166.820	5070.990	845942.5518	0.00	0.00	0.00%		
5	WBM Grading 3 (By Mechanical Means)												

Supernitending Engineer
Rural Works Department
Works Circle, Kothari



6	Providing and applying primer coat with Bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70- 1.0 kg/sqm using mechanical means as per Technical Specification Clause 502.	2224.267	59.130	131520.9077	✓	2224.267	131520.9077	✓	59.130	2224.267	131520.9077	0.00	0.00	0.00%
7	Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surface treated with Primer and cleaned with hydrioc broom as per technical specification clause 503.	12071.767	20.130	243004.6697	✓	12071.767	243004.6697	✓	20.130	12071.767	243004.6697	0.00	0.00	0.00%
8	Providing, laying and rolling of close-graded premix surfacing material of 20 mm thickness composed of 11.2 mm to 0.9 mm (Type-A) or 13.2 mm to 0.9 mm (Type B) aggregates using penetration grade bitumen to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 8-10 kN static roller and finishing to required level and grades as per Technical Specification Clause 509	2224.267	255.510	568322.4612	✓	2224.267	568322.4612	✓	255.510	2224.267	568322.4612	0.00	0.00	0.00%
9	Providing and laying semi dense bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 4.5 to 5 per cent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 508 complete in all respects.	246.190	13840.730	3407449.319	✓	246.190	3407449.319	✓	13840.730	246.190	3407449.319	0.00	0.00	0.00%
10	Reinforced cement concrete M15 grade kilometre local stone of standard design as per IRC-8 fixing in position including painting and printing , etc as per drawing and technical specification clause 1703 ii) Km stone	3.000	2936.230	8808.69	✓	3.000	8808.69	✓	2936.230	3.000	8808.69	0.00	0.00	0.00%
11	Reinforced cement concrete M15 grade kilometre local stone of standard design as per IRC-8 fixing in position including painting and printing , etc as per drawing and technical specification clause 1703. iii) 200 m stone	11.000	818.470	9003.17	✓	11.000	9003.17	✓	818.470	11.000	9003.17	0.00	0.00	0.00%
12	Providing and fixing of retro-reflectiorised cautionary, mandatory and Informatory sign as per IRC-67 made of encapsulated lens type reflective sheeling vide Clause 1701.2.3 fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per drawings and Technical Specification Clause 801 ii) 600 mm equilateral & triangle,	10.000	4240.730	42407.3	✓	10.000	42407.3	✓	4240.730	10.000	42407.3	0.00	0.00	0.00%

Providing and fixing of retro-reflectors cautionary, mandatory and informative sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per drawings and Technical Specification Clause 801 13 ii) 600 mm circular	Nos	4.000	5505.320	22021.28	4.000	5505.320	22021.28	0.00	0.00	0.00%
Providing and fixing of retro-reflectors cautionary, mandatory and informative sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per drawings and Technical Specification Clause 801 14 iii) 600 mm x 450 mm rectangular,	Nos	2.000	5375.870	10751.74	2.000	5375.870	10751.74	0.00	0.00	0.00%
Reinforced cement concrete M15 grade boundary pillars/local stone of standard design as per IRC:25, fixed in position including finishing and lettering but excluding painting as per drawings and Technical Specification Clause 1704 15	Nos	39.000	617.820	24094.98	39.000	617.820	24094.98	0.00	0.00	0.00%
Planting of trees by the road side (Avenue trees) in 0.60 m dia holes, 1 m deep dug in the ground, mixing the soil with decayed farm yard/sludge manure, planting the saplings, backfilling the trench, watering, fixing the tree guard and maintaining the plants for one 16	Each	130.000	1079.330	140312.9	130.000	1079.330	140312.9	0.00	0.00	0.00%
Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes. 17 At Edge for BT Portion	Sqm	520.000	823.740	428344.8	520.000	823.740	428344.8	0.00	0.00	0.00%
Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes. Pedestrian Crossing (2 m in length and providing at 50 cm apart) 18	sqm	8.000	823.740	6589.92	8.000	823.740	6589.92	0.00	0.00	0.00%

[Handwritten signature]

19	Providing and fixing of typical MMGSY Informatory sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25mm x 5m size on back on edges. The lower plate will be welded with MS angle iron frame of 25mm x 25mm x 5mm. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 nos. 75mm x 75 mm of 12 SWG sheet tubes posts duly embedded in cement concrete M-15 grade blocks of 450mm x 450mm x 600mm, 600mm below ground level. The top most diamond plate will be welded to middle plate by 47mm x 47mm of 12 SWG steel plate tube. All M.S. will be stove enameled on both sides. Lettering and printing arrows, border etc. will be painted with ready mixed synthetic enamel paint of superior quality in required shade and colour. All sections of framed posts and steel tube will be painted with primer and two coats of epoxy paint as per drawing Clause 1701 and Annexure 1700.1	Cum	3.000	12705.950	38117.85	3.000	12705.950	38117.85	0.00	0.00	0.00%
20	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material.	Sqm	341.280	336.860	114963.5808	341.280	336.860	114963.5808	0.00	0.00	0.00%
21	Laying brick soling layer on prepared sub-grade With bricks on lines, graded and cross-section shown on the drawing filling joints with sand and earth as per Technical Specification Clause 412	Sqm	66.600	318.320	21200.112	66.600	318.320	21200.112	0.00	0.00	0.00%
22	Providing concrete for plain/reinforced concrete (M-10) in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203	Cum	67.140	7507.050	504023.337	67.140	7507.050	504023.337	0.00	0.00	0.00%
23	Brick masonry work in cement mortar in foundation complete excluding pointing and plastering as per drawing and technical specifications clauses 600, 1202&1203	Cum	164.280	6222.740	1022271.727	164.280	6222.740	1022271.727	0.00	0.00	0.00%
24	Brick masonry work in cement mortar in substructure complete excluding pointing and plastering, as per drawing and technical specifications clauses 602, 603, 604, 1202&1204	Cum	124.500	6494.530	808568.985	124.500	6494.530	808568.985	0.00	0.00	0.00%
25	Plain/reinforced cement concrete in substructure complete as per drawings and technical specification clauses 802, 804, 805, 806, 807, 1202&1204 IV, RCC Grade M-20	Cum	11.460	8054.360	92302.9656	11.460	8054.360	92302.9656	0.00	0.00	0.00%
26	Providing & Laying reinforced cement concrete in superstructure as per drawing and technical specifications clauses 800, 1205.4 and 1205.5	Cum	25.320	9077.840	229850.9088	25.320	9077.840	229850.9088	0.00	0.00	0.00%
27	Supplying, fitting, and placing HYSD bar reinforcement in superstructure complete as per drawing and technical specifications Clauses 1002, 1010 and 1202 (8.10 + 4.84)	Cum	4.650	88106.970	409697.4105	4.650	88106.970	409697.4105	0.00	0.00	0.00%
28	Brick masonry work in cement mortar 1:3 in parapet excluding pointing and plastering as per drawing and technical specifications Clauses 600, 900 and 1208.4 Brick Masonry in c.m. (1:3) in parapet	cum	11.730	6442.170	75566.6541	11.730	6442.170	75566.6541	0.00	0.00	0.00%
29	Plastering with cement mortar (1:4), 15 mm thick on brickwork in substructure as per technical specification Clauses 613.4 & 1204 Plastering with cement mortar (1:4)	sqm	219.720	196.750	43229.91	219.720	196.750	43229.91	0.00	0.00	0.00%

30	Painting two coats including primer coat after filling the surface with synthetic enamel paint in all shades on new plastered / concrete surface as per drawing and technical specification clause 1701	sqm	40.320	114.730	4625.9136	40.320	114.730	4625.9136	0.00	0.00	0.00%
	Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification clause 1204.3.8	Cum	109.860	664.260	72975.6036	109.860	664.260	72975.6036	0.00	0.00	0.00%
31	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia AC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specification clauses 32, 616, 709, 1204.3.7	No									
	Neat Cement punnium on Parapet Top	sqm	48.840	27.900	1362.636	48.840	27.900	1362.636	0.00	0.00	0.00%
	Plain/reinforced cement concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204	Cum	4.950	8054.360	39869.082	4.950	8054.360	39869.082	0.00	0.00	0.00%
34	R.C.C grade M 20 Wearing Coat (PCC 1:2:4)										
	Total Construction Amount Excluding All Taxes				10534883.36			10534883.36	0.00	0.00	0.00%
	GST @ 12% / 18% on Total Construction Cost				1264186.003			1264186.003	0.00	632093.00	50.00%
	Labour Cess @ 1% on Total Construction Cost				105348.834			105348.834	0.00	0.00	0.00%
	Add Seigniorage Fee :				71400.000			71400.000	0.00	0.00	0.00%
	Total Construction Amount Including All Taxes				11975818.2			12607911.2	0.00	632093.00	5.28%
	Less 0.06% Below as Per Agreement (-)				7185.490919			7564.74672	0.00	0.00	0.00%
A	Total Construction Cost				11968632.71			12600346.45	0.00	0.00	0.00%
	1st year Maintenance Cost	Year	1.000	114709.00	114709.00	1.000	114709.00	114709.00	0.00	0.00	0.00%
	2nd year Maintenance Cost	Year	1.000	285973.00	285973.00	1.000	285973.00	285973.00	0.00	0.00	0.00%
	3rd year Maintenance Cost	Year	1.000	759067.00	759067.00	1.000	759067.00	759067.00	0.00	0.00	0.00%
	4th year Maintenance Cost	Year	1.000	380375.00	380375.00	1.000	380375.00	380375.00	0.00	0.00	0.00%
	5th year Maintenance Cost	Year	1.000	868173.00	868173.00	1.000	868173.00	868173.00	0.00	0.00	0.00%
	Total Maintenance Amount Excluding All Taxes				2408297.00			2408297.00	0.00	0.00	0.00%
	GST @ 12% / 18% on Total Maintenance Cost				288995.64			433493.46	0.00	144497.82	50.00%
	Labour Cess @ 1% on Total Maintenance Cost				24082.97			24082.97	0.00	0.00	0.00%
	Add Seigniorage Fee :				5500.00			5500.00	0.00	0.00	0.00%
	Total Maintenance Amount Including All Taxes				2726875.61			2871373.43	0.00	144497.82	5.30%
	Less 0.06% Below as Per Agreement (-)				1636.125366			1722824058	0.00	0.00	0.00%
B	Total Maintenance Cost				2725239.48			2869650.61	0.00	0.00	0.00%
	COST OF PROJECT IN Rs. (A+B) =				14693872.19			15469997.06	0.00	776124.87	5.28%

Works Circle, Mohan

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, चकिया