

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

पत्रांक: 1409/अनु0/ चकिया, दिनांक: 18/08/2023

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।

ज्ञापांक-1409 दिनांक-18-08-2023

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।

**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 (IAA) Latter 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 Allotted 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/22/0004	Kollabelwa - Piprahama	31708202095	Latter No.1585 Date- 30.03.2022	6.795	321.18000	252.98048	71.94156	20MBD/2022-23 Date- 18.11.2022	17.08.2023	02.02.2023	2324	25	05.00	240.18500	239.40900	11.81190	Completed
2	RM/EA/CHA/22/0004	Rampur Gopal via House of manoj Kuishwaha	31708413007	Latter No.1549 Date- 29.03.2022	3.635	184.46000	168.31199	28.58822	20MBD/2022-23 Date- 18.11.2022	17.08.2023	02.02.2023	2667	25	05.00	159.71500	158.02652	6.65035	Completed
3	RM/EA/CHA/22/0004	Sitalpur PWD Road to Sitalpur Gramin Road Tak	317841894229	Latter No.1549 Date- 29.03.2022	3.337	179.79000	162.08584	30.93957	20MBD/2022-23 Date- 18.11.2022	17.08.2023	07.02.2023	2476	25	05.00	144.27500	144.27500	7.99436	Completed
	RM/EA/CHA/22/0004				13.767	685.43000	573.37831	131.46935							544.17500	541.71052	26.45661	

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.

[Signature]
EXECUTIVE ENGINEER,
RURAL WORKS DEPARTMENT
WORKS DIVISION-CHAKIA
15/12/2023

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. Lacks)	Amount Received (in RS. Lacks)	particulars
1	M.R. (3054) New maintenance Policy-2018	9756.63439	9756.63439	Certified that out of Rs.9756.63439 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.85.71519 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.

18/08/23

3rd & final Bill

49

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work - Construction -					
Chen of road & C.D. works					
from Kaila Bafwa to					
Pipra Kham under MR-3054					
Agency - Dhiraudra Con -					
Structure Pvt. Ltd.					
Ag. No. - 20 MBP/2022-23					
Date of work order - 18.11.2022					
Contract date of completion					
17.08.2023					
Actual date of completion					
02.02.2023					
Final measurement					N27
All Qty as per 2nd Bill					
11/8/23 72 12/08/23 AE					
Abstract of Cost					
① Clearing & grubbing					
road land					
Qty. Wide T.M. B P.38					
1.359 Hd @ Rs. 59726.13 / Hk Rs. 81168=					
② Construction of Sub grade					
& earthen shoulders					
Qty. Wide T.M. B P.39					
2796.48 m ³ @ Rs. 251.04 / m ³ Rs. 7,10,418=					

Continuation



Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(3) Construction of granules					
Sub Base -- Tr. II					
Qty. Vol. T. m. B. P. 39					
183.76 m ³ @ Rs. 2478.93/m ³					Rs. 4,55,528/-
(4) Providing layer, spreading					
& Compacting W.B. m. Tr. II					
Qty. Vol. T. m. B. P. 39					
178.22 m ³ @ Rs. 4812.20/m ³					Rs. 8,57,630/-
(5) Providing layer, spreading					
& Compacting W.B. m. Tr. III					
Qty. Vol. T. m. B. P. 39					
347.05 m ³ @ Rs. 4645.95/m ³					Rs. 16,13,071/-
(6) Providing & Applying Primer					
Coat with emulsion (SS-1)					
Qty. Vol. T. m. B. P. 39					
4629.33 m ² @ Rs. 59.11/m ²					Rs. 2,73,521/-
(7) Providing layer & rolling					
of close graded P.C. mix					
Qty. Vol. T. m. B. P. 39					
4629.33 m ² @ Rs. 247.36/m ²					Rs. 11,44,616/-
(8) Providing & Applying Hack					
Coat with emulsion (RS-1)					
Qty. Vol. T. m. B. P. 39					
26894.82 m ² @ Rs. 20.12/m ²					Rs. 5,41,124/-
(9) Providing 3 layer Semi-slender					
- Bituminous concrete					
Qty. Vol. T. m. B. P. 39					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
556.69 m ³ @ Rs. 1340.52/m ³ Rs. 746,049=					
(10) Construction of concrete					
Cad P.C.C. Pavement					
Qty. Vido T.M.B.P. 40					
369.66 m ³ @ Rs. 810.66/m ³ Rs. 30,20,366=					
(11) Construction of Panel					
Concrete Pavement					
Qty. Vido T.M.B.P. 40					
115.52 m ³ @ Rs. 8809.44/m ³ Rs. 10,17,667=					
(12) Providing & fixing m/s					
enforcing 82 maintenance					
Board					
Qty. Vido T.M.B.P. 40					
3 nos. @ Rs. 12693.61 each Rs. 38081=					
(13) Earth work in excavation					
for structure					
Qty. Vido T.M.B.P. 40					
28.60 m ³ @ Rs. 336.86/m ³ Rs. 9632=					
(14) Providing P.C.C. m-10 in					
Open foundation					
Qty. Vido T.M.B.P. 40					
2.67 m ³ @ Rs. 7413.25/m ³ Rs. 19793=					
(15) Providing P.C.C. m-15 in					
Open foundation					
Qty. Vido T.M.B.P. 40					
24.51 m ³ @ Rs. 7031.51/m ³ Rs. 1,72,342=					
(16) Providing 3 layers P.C.C.					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Pipe HP 3, 100 mm. dia					
Qty. vide T. M. B. P. 41					
7.50 m. @ Rs 719.50/m.					Rs. 539632
(17) Providing & laying P.C.C.					
M-20 in open foundations					
Qty. vide T. M. B. P. 41					
2.61 m ³ @ Rs 7678.39/m ³					Rs. 20,0412
(18) Backfilling behind					
abutment etc					
Qty. vide T. M. B. P. 41					
33.39 m ³ @ Rs 851.92/m ³					Rs. 284462
(19) Earth work in excavation					
for structure					
Qty. vide T. M. B. P. 41					
156.06 m ³ @ Rs 336.86/m ³					Rs. 525702
(20) Brick/gla Soling in					
foundations					
Qty. vide T. M. B. P. 41					
97.54 m ² @ Rs 318.32/m ²					Rs. 310492
(21) Providing P.C.C. M10 in					
open foundations					
Qty. vide T. M. B. P. 41					
21.46 m ³ @ Rs 7413.25/m ³					Rs. 1,58,0832
(22) Brick masonry work					
in C.M. in foundations					
Qty. vide T. M. B. P. 41					
99.08 m ³ @ Rs 6329.85/m ³					Rs. 6,27,1622

Continuation



Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(23) Brick masonry work in C.M. in Sub Structure					
Qty. vide T.M.B P. 42					
35.46 m ³ @ Rs. 6601.64/m ³					Rs. 234,084.2
(24) Providing & laying R.C.C. in Sub Structure					
Qty. vide T.M.B P. 42					
9.72 m ³ @ Rs. 7954.26/m ³					Rs. 77,315.2
(25) Providing & laying R.C.C. M25 in clear slab					
Qty. vide T.M.B P. 42					
6.62 m ³ @ Rs. 8968.89/m ³					Rs. 59,334.2
(26) Supply of fitting & PL of HYSD Bar reinforcement					
Qty. vide T.M.B P. 42					
1.30 m.T. @ Rs. 97973.58/m.T.					Rs. 1,14,366.2
(27) Back filling behind abutment etc.					
Qty. vide T.M.B P. 42					
35.52 m ³ @ Rs. 851.92/m ³					Rs. 30,260.2
(28) Brick masonry work in C.M. (1:3) in parapet					
Qty. vide T.M.B P. 42					
29.04 m ³ @ Rs. 6545.31/m ³					Rs. 1,83,530.2
(29) Plastering with C.M. (1:4)					
Qty. vide T.M.B P. 42					
358.12 m ² @ Rs. 207.46/m ²					Rs. 74,296.2

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(30) Painting two coats					
Qty. vide T. M. B. P. 43					
241.92 m ² @ Rs. 114.73/m ²				Rs.	27755=
(31) Guide Post					
Qty. vide T. M. B. P. 43					
8 Nos. @ Rs. 616.75 each				Rs.	4934=
(32) Drainage Spout					
Qty. vide T. M. B. P. 43					
4 Nos. @ Rs. 540.01 each				Rs.	2160=
					4697=
(33) R.C.C. M 15 gr. km. Stone					
Qty. vide T. M. B. P. 43					
4 Nos. @ Rs. 2922.79 each				Rs.	11691=
(34) R.C.C. M 15 gr. 2 km. Stone					
Qty. vide T. M. B. P. 43					
30 Nos. @ Rs. 815.85 each				Rs.	24476=
(35) 600 mm. eq. isosceles triangle					
Qty. vide T. M. B. P. 43					
28 Nos. @ Rs. 4234.56 each				Rs.	118568=
(36) 600 mm circular					
Qty. vide T. M. B. P. 43					
12 Nos. @ Rs. 5499.15 each				Rs.	65990=
(37) 600 x 450 mm. rec. angles					
Qty. vide T. M. B. P. 43					
14 Nos. @ Rs. 5369.70 each				Rs.	75176=
(38) R.C.C. M 15 gr. bollards					
Pellars					
Qty. vide T. M. B. P. 43					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
72 Nos. @ Rs. 616.75 each				R ₂	44,406=
(39) Planting of trees by the road side					
Qty. Lido T. M. B. P. 44					
294 Nos. @ Rs. 1079.33 each				R ₂	3,17,323=
(40) Providing & laying hot applied thermoplastic Compound					
Qty. Lido T. M. B. P. 44					
1176.00 m ² @ Rs. 823.74/m ²				R ₂	9,68,718=
(41) Providing & laying hot applied thermoplastic Compound					
Qty. Lido T. M. B. P. 44					
183.00 m ² @ Rs. 916.81/m ²				R ₂	1,67,776=
Total				R ₂	2,09,90,333=
Add 1% labour cess H)				R ₂	2,09,903=
Add 18% GST				(+)	R ₂ 3,77,826=
Add S. Fee				(+)	R ₂ 2,33,800=
Total				R ₂	2,52,12,296=
Less 0.05% labour H)				R ₂	12,606=
				R ₂	2,51,99,690=
Less Previous Payment (-)				R ₂	39,40,900=
Payable amount				R ₂	12,58,790=
11/8/23					
12/08/23					
RE					

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

पत्रांक: 807 (अनु) दिनांक: 20/07/2023

प्रेषक

अधीक्षण अभियन्ता
ग्रामीण कार्य विभाग
कार्य अंचल, मोतिहारी ।

सेवा में,

कार्यपालक अभियन्ता,
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—1062, दिनांक—23.06.2023

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.	RM/EA/CHA/22/0004	25046537.00
2.	RM/EA/CHA/22/0005	70484766.00

अनु—यथोक्त ।

विश्वासभाजन,



अधीक्षण अभियन्ता
ग्रामीण कार्य विभाग,
कार्य अंचल, मोतिहारी ।

Revised Abstract of BOQ for Package No.- RM/EA/CHA/22/00004
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	Koilelbelwa to Piprakham	Kalyanpur	6.795	24034299	6832050	30866349	25298049	7194156	32492204
2	PMGSY Path to Rampur Gopal Via House of Manoj Kushwaha	Kalyanpur	3.635	15987501	2714922	18702423	16831199	2858822	19690021
3	Sitalpur PWD Road to Sitalpur Gramin Road Tak	Kalyanpur	3.337	14447907	2938196	17386104	15208584	3093957	18302541
	Total		13.767	54469707	12485168	66954875	57337831	13146935	70484766

321.18
 184.46
 179.79


 Executive Engineer
 Rural Works Department
 Works Division, Chakia.

Revised B.O.D. (Due to increase in G.S.T. from 12% to 18%)
 is approved for Rs. 7,04,84,766.00 (Rupees Seven crore four lakh eighty four thousand seven hundred and sixty six) only for
 footpath action followed the instructions as per letter
 No. 761 dt 23.3.2023 of B.R.D.A.


 Superintending Engineer
 Rural Works Department
 Works Circle, Motihari.

COMPARATIVE STATEMENT OF REVISED BOQ

Name of Road:- Koilabelwa to Piprakham

Block :- Kalyanpur, District :- East Champaran

PACKAGE NO.-RM/EA/CHA/22/0004

Length of the Road :- 6.795 K.M

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 Koilabelwa to Piprakham	3	4	5	6	7	8	9	10	11	12	13	
1	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	1.359	59726.130	81167.81067	1.359	59726.130	81167.81057	0.00	0.00	0.00%		
2	Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all lifts and leads, transproing to site, spreading, grading to required slope and compacted to meet requirement of Table 300.2 with lead up to 1000m as per Technical Specification clause	Cum	2853.900	254.040	725004.756	2853.900	254.040	725004.756	0.00	0.00	0.00%		
3	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. (By mix in place method) For Grading II Material	Cum	183.760	2478.930	455528.1768	183.760	2478.930	455528.1768	0.00	0.00	0.00%		
4	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. WBM Grading 2 (By Mechanical Means)	Cum	180.810	4812.200	870093.882	180.810	4812.200	870093.882	0.00	0.00	0.00%		

[Handwritten signature]

Superintending Engineer
Rural Works Department
Works Circle, Mithail

5	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	347.050	4647.950	1613071.048	347.050	4647.950	1613071.048	0.00	0.00	0.00%
6	WBM Grading 3 (By Mechanical Means) 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.	Sqm	4627.333	59.110	273521.6536	4627.333	59.110	273521.6536	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 hydrilloc broom as per technical specification clause 503.	Sqm	26897.833	20.120	541184.4	26897.833	20.120	541184.4	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	Sqm	4627.333	247.360	1144617.091	4627.333	247.360	1144617.091	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.	cum	556.760	13402.520	7461987.035	556.760	13402.520	7461987.035	0.00	0.00	0.00%

10	Construction of un-reinforced plain cement thickness as per design, over a prepared sub base with 43 grade cement or any other type as per clause 1501.2.2 M 30 grade coarse and fine aggregate maximum size of aggregate not exceeding 25mm, mixed in a concrete of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick plythene film, wedges, steel plates including levelling the formwork as per drawing) spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including provision of contraction and expansion, construction joints, applying debonding strips, primer, sealant, dowel bars, near approaches to bridge/culvert and construction joints, admixtures as approved, curing of concrete slab for 14 days curing compound (where specified) and water finishing to lines and grade as per drawing and Technical specification clause 1501.	Cum	369.660	8170.660	3020366.176	369.660	8170.660	3020366.176	0.00	0.00	0.00	0.00%
11	Analysis of Panel Concrete Pavement Construction of un-reinforced, dowel jointed at expansion and construction joint only, plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick plythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including provision of contraction and expansion, construction joints, applying debonding strips, primer, sealant, dowel bars, near approaches to bridge/culvert and construction joints, admixtures as approved, curing of concrete slabs for 14-days, using curing compound (where specified) and water finishing to lines and grade as per	Cum	115.524	8809.440	1017701.747	115.524	8809.440	1017701.747	0.00	0.00	0.00	0.00%
12	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. i) 5th km stone	No.	3.000	0.000	0	3.000	0.000	0	0.00	0.00	0.00	0.00%
13	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	No.	4.000	2922.790	11691.16	4.000	2922.790	11691.16	0.00	0.00	0.00	0.00%

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14	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	No.	30,000	815,850	24475.5	30,000	815,850	24475.5	0.00	0.00	0.00%	
15	Providing and fixing of retro-reflectised cautionary, mandatory and informatory 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 i) 600 mm equilateral & triangle,	Nos	28,000	4234,560	118567.68	28,000	4234,560	118567.68	0.00	0.00	0.00%	
16	Providing and fixing of retro-reflectised cautionary, mandatory and informatory 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 ii) 600 mm circular	Nos	12,000	5499,150	65989.8	12,000	5499,150	65989.8	0.00	0.00	0.00%	
17	Providing and fixing of retro-reflectised cautionary, mandatory and informatory 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 iii) 600 mm x 450 mm rectangular,	Nos	14,000	5369,700	75175.8	14,000	5369,700	75175.8	0.00	0.00	0.00%	
18	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 drawing and Technical Specification Clause 1704	Nos	72,000	616,750	44406	72,000	616,750	44406	0.00	0.00	0.00%	
19	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	Each	294,000	1079,330	317323.02	294,000	1079,330	317323.02	0.00	0.00	0.00%	
20	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. At Edge for BT Portion	Sqm	1176,000	823,740	968718.24	1176,000	823,740	968718.24	0.00	0.00	0.00%	

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21	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)	sqm	8.000	823.740	6589.92	8.000	823.740	6589.92	0.00	0.00	0.00%
22	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. At Edge for CC Portion	Sqm	183.000	916.810	167776.23	183.000	916.810	167776.23	0.00	0.00	0.00%
23	Providing and fixing of typical MMSGY 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	No.	3.000	12693.610	38080.83	3.000	12693.610	38080.83	0.00	0.00	0.00%
24	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.	Cum	28.000	336.860	9432.08	28.000	336.860	9432.08	0.00	0.00	0.00%
25	Providing concrete for plain/reinforced concrete (M-10) in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203	Cum	2.670	7413.250	19793.3775	2.670	7413.250	19793.3775	0.00	0.00	0.00%
26	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 PCC M15	Cum	24.510	7031.510	172342.3101	24.510	7031.510	172342.3101	0.00	0.00	0.00%
27	Providing and Laying Reinforced Cement Concrete Pipe NP3 1000 mm dia as per design in Single Row	M	7.500	7195.010	53962.575	7.500	7195.010	53962.575	0.00	0.00	0.00%

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28	Providing concrete for plain/reinforced concrete (M-20 Nominal mix 1:2:4) in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 Bed Portion	Cum	2.610	7678.380	20040.5718	2.610	7678.380	20040.5718	0.00	0.00	0.00%
29	Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification Clause 1204.3.8	Cum	33.390	851.920	28445.6088	33.390	851.920	28445.6088	0.00	0.00	0.00%
30	Earthwork excavation for foundation of structures as per drawing and technical specification clause 1104 including setting out, stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material. (A) Ordinary soil	Cum	156.060	336.860	52570.3716	156.060	336.860	52570.3716	0.00	0.00	0.00%
31	Brick Flat Soling 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	97.540	318.320	31048.9328	97.540	318.320	31048.9328	0.00	0.00	0.00%
32	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications clause 802, 803, 1202 & 1203 (I) PCC Grade M-15 Nominal mix 1:2.5:5 with 40 mm and down graded metal	Cum	21.460	7413.250	159088.345	21.460	7413.250	159088.345	0.00	0.00	0.00%
33	Brick masonry work in cement mortar in foundation complete excluding pointing and plastering as per drawing and technical specifications clauses 600, 1202 & 1203	Cum	99.080	6329.850	627161.538	99.080	6329.850	627161.538	0.00	0.00	0.00%
34	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	35.460	6601.640	234094.1544	35.460	6601.640	234094.1544	0.00	0.00	0.00%
35	Plain/reinforced cement concrete in substructure complete as per drawings and technical specification clauses 802, 804, 805, 806, 807, 1202 & 1204	Cum	9.720	7954.260	77315.4072	9.720	7954.260	77315.4072	0.00	0.00	0.00%
36	Providing & Laying reinforced cement concrete in superstructure as per drawing and technical specifications clauses 800, 1205.4 and 1205.5.11. RCC Grade M-25	Cum	6.620	8968.850	59373.787	6.620	8968.850	59373.787	0.00	0.00	0.00%
37	Supplying, fitting, and placing HYSD bar reinforcement in superstructure complete as per drawing and technical specifications Clauses 1002, 1010 and 1202	MT	1.300	87973.580	114365.654	1.300	87973.580	114365.654	0.00	0.00	0.00%
38	Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification clause 1204.3.8	Cum	79.980	851.920	68136.5616	79.980	851.920	68136.5616	0.00	0.00	0.00%
39	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 616, 709, 1204.3.7	Nos	64.000	142.420	9114.88	64.000	142.420	9114.88	0.00	0.00	0.00%
40	Drainage spouts complete as per drawing and technical specifications clause 1209	No	4.000	540.010	2160.04	4.000	540.010	2160.04	0.00	0.00	0.00%
41	Guide Post	No	8.000	616.750	4934	8.000	616.750	4934	0.00	0.00	0.00%

