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Name of Work: Construction of Bridge & Approach Road Works under MGSY Scheme
CONSTRUCTION OF RCC BRIDGE IN BETWEEN SINGHIYA PURBI TO MACHHA HAAT DAKSHINI TOL. AT CH. 930 M

DIVISION : JAYNAGAR

BLOCK :

BISFI

LENGTH: 28.12 M

SCHEDULE OF WORKS

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs.
				Figure	Words	
1	Excavation for Structures 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. as per MORD specification clause 300. i) Upto 3m depth	538.790	Cum	350.00	Rupees Three Hundred Fifty Only	188577.00
2	Providing and laying of PCC M15 levelling course 100mm thick below the pile cap. as per MORTH specification clause 1100 & 1700. II. PCC Grade M-15 (Levelling Course for Pile Cap)	27.710	Cum	8490.00	Rupees Eight Thousand Four Hundred Ninety Only	235258.00
3	R.C.C. grade M 30 in Pile Foundation complete as per Dwg & Tech Specification. Pile Cap in RCC M-30	305.690	Cum	9752.00	Rupees Nine Thousand Seven Hundred Fifty Two Only	2981089.00
4	Bored cast-in-situ M35 grade R.C.C. Pile excluding Reinforcement complete as per Drawing and Technical Specifications and removal of excavated earth with all lifts and lead upto 1000 m. II. 1200 mm Dia	408.000	m	20048.00	Rupees Twenty Thousand Forty Eight Only	8179584.00
5	Supplying, fitting and placing TMT bar reinforcement in foundation complete as per drawings and MORD technical specifications Clauses 1000 and 1202	60.689	t	105191.00	Rupees One Five Thousand One Hundred Ninety One Only	6383937.00
6	R.C.C. grade M-30 Substructure complete as per Dwg & Tech Specification clause 1500, 1700 & 2100. RCC M-30 i) Upto 5m height (Using Concrete Mixer)	144.600	Cum	10127.00	Rupees Ten Thousand One Hundred Twenty Seven Only	1464364.00
7	R.C.C. grade M-35 Substructure complete as per Dwg & Tech Specification clause 1500, 1700 & 2100. RCC M-30 i) Upto 5m height (Using Concrete Mixer)	9.140	Cum	10330.00	Rupees Ten Thousand Three Hundred Thirty Only	94416.00
8	Supplying, fitting and placing TMT bar reinforcement (Fe 500) in substructure complete as per drawings and technical specification Clauses 1002, 1005, 1010 & 1202	20.663	t	105374.00	Rupees One Five Thousand Three Hundred Seventy Four Only	2177343.00
9	Supplying, fitting and fixing in position true to line and level POT-PTFE bearing consisting of a metal piston supported by a disc or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel/fabricated structural steel, metal and elastomer elements to be as per IRC: 83 part-I & II respectively and other parts conforming to BS: 5400, section 9.1 & 9.2 and clause 2006 of MoRTH Specifications clause 2000 & 2200 complete as per drawing and approved technical specifications.	12.000	T/c	48483.00	Rupees Forty Eight Thousand Four Hundred Eighty Three Only	581796.00
10	Supplying, fitting and fixing in position true to line and level elastomeric bearing conforming to IRC: 83 (Part-II) section IX and clause 2005 of MoRTH specifications complete including all accessories as per drawing and Technical Specifications	131475.000	T/c	0.62	Rupees And Sixty Two Paise Only	81515.00
11	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 614, 709, 1204.3.7	120.000	No.	132.00	Rupees One Hundred Thirty Two Only	15840.00
12	Backfilling behind abutment, wing wall and return wall complete as per drawings & MORD technical specification Clause 1204.3.8 D Sandy Material	143.030	Cum	886.77	Rupees Eight Hundred Eighty Six And Seventy Seven Paise Only	126835.00
13	Providing and laying filter media with granular crushed aggregates as per specification to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and providing over the entire surface behind abutment, wing wall, return wall to the full height, compacted to firm condition complete as per drawing and MORD technical specification Clause 1204.3.8	70.910	Cum	4565.00	Rupees Four Thousand Five Hundred Sixty Five Only	323704.00

Approved as Corrected

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SCHEDULE OF WORKS

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs.
				Figure	Words	
14	Providing and laying reinforced cement concrete in superstructure complete as per drawing and technical specifications Clauses 800, 1205.4 and 1205.5 II. RCC M-35 (Height 5m to 10m)	98.320	Cum	11024.86	Rupees Eleven Thousand Twenty Four And Eighty Six Paise Only	1083964.00
15	Supplying, fitting and placing HYSD bar reinforcement (Fe 415) in superstructure complete as per drawings and technical specification Clauses 1002, 1010 & 1202	15.236	t	106812.00	Rupees One Six Thousand Eight Hundred Twelve Only	1627388.00
16	Providing and laying cement concrete wearing course M30 grade including reinforcement complete as per drawing and technical specifications Clauses 800 and 1206.3	20.180	Cum	18485.00	Rupees Eighteen Thousand Four Hundred Eighty Five Only	373027.00
17	Construction of R.C.C. railing of M 25 grade in cast-in-situ with 20 mm nominal size aggregate, true to line and grade, tolerance of vertical railing post not to exceed 1 in 500, centre-to-centre spacing between vertical posts not to exceed 2000 mm as per drawing and technical specifications Clauses 800, 900 and 1208.3	71.760	m	4341.00	Rupees Four Thousand Three Hundred Forty One Only	311510.00
18	Drainage Spouts complete as per drawing and technical specifications Clause 1209	16.000	No	807.00	Rupees Eight Hundred Seven Only	12912.00
19	P.C.C. M-15 ordinary grade (1:2.5:5) levelling course below approach slab complete as per drawing and technical specifications Clauses 800 & 1211.	8.870	Cum	8329.00	Rupees Eight Thousand Three Hundred Twenty Nine Only	73878.00
20	Reinforced Cement Concrete M-25 grade approach slab including reinforcement and formwork complete as per drawing and technical specifications Clauses 800 and 1211	20.530	Cum	13234.00	Rupees Thirteen Thousand Two Hundred Thirty Four Only	271694.00
21	Strip Seal Expansion Joint (Providing and laying of a strip seal expansion joint catering to maximum horizontal movement upto 70 mm, complete as per approved drawings and standard specifications to be installed by the manufacturer/supplier or their authorised representative ensuring compliance to the manufacturer's instructions for installation)	25.350	m	12306.35	Rupees Twelve Thousand Three Hundred Six And Thirty Five Paise Only	311966.00
22	Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & Technical Specification.	25.350	m	382.00	Rupees Three Hundred Eighty Two Only	9684.00

RSV
30/7/22

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R.W.D., Works Circle, Darbhanga

Abhinav
01/08/22

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Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs.
				Figure	Words	
23	Providing and fixing in position 20 mm thick premoulded joint filler in expansion joint for fixed ends of simply supported spans not exceeding 10 m to cater for a horizontal movement upto 20 mm, covered with sealant complete as per drawing and technical specifications.	25.350	m	19.00	Rupees Nineteen Only	482.00
24	Providing and laying boulder pitching on slopes laid over prepared filter media as per drawing and technical specifications Clause 1302	204.510	Cum	4653.00	Rupees Four Thousand Six Hundred Fifty Three Only	951585.00
25	Providing and laying filter material underneath pitching on slopes complete as per drawing and technical specifications Clause 1302	92.400	Cum	3972.00	Rupees Three Thousand Nine Hundred Seventy Two Only	367013.00
Total Cost						28229361.00
Add GST @ 12%						3387523.32
Add L.C. @ 1%						282293.61
Add Seigniorage Fee @ 10% on Material Cost only						156060.00
Total Construction Cost with 12 % GST, 1% L.C & 10% S.F.						32055237.93
26	1st Year Maintenance Cost	1.000	Year	14706.46	Rupees Fourteen Thousand Seven Hundred Six And Forty Six Paise Only	14706.46
27	2nd Year Maintenance Cost	1.000	Year	35567.74	Rupees Thirty Five Thousand Five Hundred Sixty Seven And Seventy Four Paise Only	35567.74
28	3rd Year Maintenance Cost	1.000	Year	35567.74	Rupees Thirty Five Thousand Five Hundred Sixty Seven And Seventy Four Paise Only	35567.74
29	4th Year Maintenance Cost	1.000	Year	35567.74	Rupees Thirty Five Thousand Five Hundred Sixty Seven And Seventy Four Paise Only	35567.74
30	5th Year Maintenance Cost	1.000	Year	35567.74	Rupees Thirty Five Thousand Five Hundred Sixty Seven And Seventy Four Paise Only	35567.74
Five Year Maintenance Cost						156977.42
Add GST @ 12%						18837.29
Add L.C. @ 1%						1569.77
Total Maintenance Cost with 12 % GST & 1% L.C. & 10% S.F.						177384.48
Total Construction & Maintenance Cost with 12 % GST, 1% L.C & 10% S.F.						32232622.41
Total estimated cost in Figures						32232622.41
Quoted Amount						32232622.00
Quoted rate in Words						Rupees Three Crores Twenty Two Lakh Thirty Two Thousand Six Hundred Twenty Two Only

25/6/22
30/7/22
R.R.

Approved as Correct



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R.W.D. Works Circle, Darbhanga

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