

Name of Contractor- **Dhirendra Construction Pvt. Ltd (Reg. No.1170003),
At- 318, Shri Krishna Nagar, Motihari, East
Champaran-845401, Bihar.
Mob. No. 9631196116**

Name of Work - **Construction of Road & CD Works with Maintenance from NH-
28 Home Pipe Phaiktrees to Mali Tola Chakbara Via
Malang Sthan Tak Path Nirman, Road under MMGSY Gen.**

Construction Const- **Rs.9879131=00, (Rupees- Ninety eight lakhs seventy nine
thousand one hundred thirty one) only.**

Maintenance Const- **Rs.1271771=00, (Rupees-Twelve Lakhs seventy one
thousand seven hundred seventy one) only.**

Agreement Value- **Rs.11150902=00 (One crore eleven Lakhs fifty
thousand nine hundred two) only.**

Performance Security -(Required Amount) **Rs.270000=00 Rupees- (Two Lakhs
seventy thousand) only.**

Rate - **1.65 % (Below)**

Date of Work Order - **20-01-2020**

Item of Work - **1 TO 54**

Contract Date of Completion - **19-01-2021**

Dhirendra Construction Pvt. Ltd.

Director


कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कोटद्वार प्रमंडल, प्रकृति
06.03.2020

Tender Inviting Authority: CHIEF ENGINEER WORKS-I					
Name of Work: Construction of Road & CD Works of :- NH-28 Home Pipe Phaktree to Mall Toia Chakbera via malang Sthan , CNCPL No. : 30, Link No. : S048, Length -1.889 Km., Block -Chakia , District -East Champaran, UNDER MMQSY. Construction Cost of Road - 100.448 Lacs & 5 Years Maintenance Cost - 12.931 Lacs					
Contract No: Civil Works/					
Contract No: Civil Works:					
Bidder Name:				Excess (+)	%
SCHEDULE OF WORKS					
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)					
Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate Figure	AMOUNT Rs. P
1.00	Setting out(i) Construction of Reference & Working Benchmark = 2 Nos. & 8 Nos. Respectively SOR Item No.-1.16	1.869	Per Km.	3996.780	7469.98
2.00	(ii) Construction of Reference Pillars/Burjees = 75 Nos SOR Item No.-1.16	1.869	Per Km.	1833.850	3427.47
3.00	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.SOR Item No.-2.2	0.560	Hectare	49496.700	27718.15
4.00	Excavation for roadway in soil using manual means for carrying of out earth to embankment site with a lift up to 1.5 m and lead up to 50m as per Technical Specification Clause 302.3 SOR Item No.-3.5 (i)	209.110	cum	122.150	25542.79
5.00	Construction of embankment with approved materials deposited at site from roadway cutting and excavation from drain and foundation compacted to meet requirement of Tables 300.1 and 300.2 as per Technical Specification Clause 301.5.SOR Item No.-3.3	148.380	cum	36.170	5294.56
6.00	Construction of embankment with approved material obtained from borrow pits with a lift up to 1.5m transporting to site, spreading grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead up to 1000 m as per Technical Specification Clause 301.5.SOR Item No.-3.4	3087.490	cum	175.110	540650.37
7.00	Construction of embankment with approved material obtained from borrow pits with a lift up to 1.5m transporting to site, spreading grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead up to 100 m as per Technical Specification Clause 301.5.SOR Item No.-3.5 (ii)	771.870	cum	138.270	106726.46

Dhirendra Construction Pvt. Ltd.

Sanjay Kumar
Director

अधीक्षक अभियन्ता
ग्रामीण कार्य विभाग
काठ अंचल - मातहतरी

31.7.19

Signature of Tenderer with seal

1 of 7

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
				Figure	
8.00	Construction of granular sub-base by providing well graded material (Grading I) , spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with three wheel 80-100 kN static roller capacity to achieve the desired density, complete as per Technical Specification Clause 401SOR Item No.-4.1.401(A)	810.130	cum	2622.390	2124476.81
9.00	WBM Grading 3 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 405.80 -100 kN static roller in stages to proper grade and camber, applying and brooming, crushable screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.SOR Item No.-4.7 (3)(A)	419.550	cum	3201.140	1343038.29
10.00	Prime Coat 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 502SOR Item No -5.1 (i)	5222.960	sqm	40.850	213357.92
11.00	Tack Coat Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surfaces treated with primer & cleaned with Hydraulic broom as per Technical Specification Clause 503SOR Item No -5.2 (a) 503	5222.960	sqm	13.850	72338.00
12.00	Mix Seal Surfacing By Mechanical Means (Type-B) 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 509SOR Item No.-5.11	5222.960	sqm	193.630	1011321.74

Approved

Dhirendra Construction Pvt. Ltd.

Director

अधीक्षक अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल - माहाराष्ट्र

SL No.	Description of work	No.or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
				Figure	
13.00	Construction of un-reinforced, 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 balcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene 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 drawing and Technical Specification Clause 1501SOR Item No.-6.4	301.640	cun	6935.780	2092108.68
14.00	Laying brick soling layer on prepared sub-grade with brick on end edging according to lines, graded and cross-section shown on the drawing filling joints with sand and earth, spreading 25 mm thick layer of earth over brick soling, watering and rolling the same with three wheel road roller 80-100 kN as per Technical Specification Clause 412SOR Item No.-4.16	490.000	sqm	420.950	206265.50
15.00	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 SOR Item No.-11.1 (I)	92.730	CUM.	260.590	24164.51
16.00	Laying brick soling layer on prepared sub-grade with brick on lines, graded and cross-section shown on the drawing filling joints with sand and earth as per Technical Specification Clause 412Flooring Under Deck SlabSOR Item No.-TEC	48.770	Sqm	278.160	13566.84
17.00	Providing concrete for plainreinforced concrete in open foundations complete as per drawings and technical specifications clause 802,803,1202&1203 (I) PCCGrade M-15 Nominal mix 1:2.5:5 with 40 mm and down graded metalSOR Item No.-11.4(II) (I)	10.730	CUM.	5720.320	61379.03
18.00	Brick masonry work in cement mortar in foundation complete excluding pointing and plastering as per drawing and technical specifications clauses 600,1202&1203SOR Item No.-11.5(II)	49.540	CUM.	5495.650	272254.50
19.00	Brick masonry work in cement mortar in substructure complete excluding pointing and plastering, as per drawing and technical specifications clauses 802,603,604,1202&1204SOR Item No.-12.1 (II)	17.730	CUM.	5727.170	101542.72
20.00	Plainreinforced cement concrete in substructure complete as per drawings and technical specification clauses 802,804,805,806,807,1202&1204IV. RCC Grade M-20 Nominal Mix (1:2,4)SOR Item No.-12.5 (III) (I)	4.860	CUM.	6243.570	30343.75

Dhirendra Construction Pvt. Ltd.

Signature of Tenderer

Director

अध्यापक अभियंता

ग्रामीण कार्य विभाग

कार्य अचल - भातवहासे

3 of 7



SL No.	Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
				Figure	
21.00	Providing & Laying reinforced cement concrete in superstructure as per drawing and technical specifications clauses 800,1205.4 and 1205.5II. RCC Grade M-25SOR Item No.-13.1	3.310	CUM.	7188.430	23793.70
22.00	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)SOR Item No.-13.2	0.650	MT	57024.940	37068.21
23.00	Brick masonry work in cement mortar 1:3 in parapet excluding pointing and plastering as per drawing and technical specifications clauses 600,900 and 1208.4SOR Item No.-13.9	1.010	CUM.	5687.890	5744.77
24.00	Plastering with cement mortar (1:4), 15 mm thick on brickwork in substructure as per technical specification clauses 613.4 & 1204SOR Item No.-12.3	43.980	Sqm	170.340	7491.55
25.00	Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification clause 1204.3.8SOR Item No.-12.10	39.990	CUM.	638.490	25533.22
26.00	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 616,709,1204.3.7SOR Item No.-12.90	32.000	Nos.	111.100	3555.20
27.00	Drainage spouts complete as per drawing and technical specifications clause 1209SOR Item No.-13.10	2.000	Nos.	631.840	1263.68
28.00	Bedding for Type - B PCC(M20) Bedding Laying (First Class) bedding concrete as per clause 1105 (II)SOR Item No.-9.2	2.630	Cum	397.320	1044.95
29.00	Kilometre Stone Reinforced cement concrete M15 grade kilometre stone/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 Ordinary Kilometer Stone (Precast)SOR Item No.-10.10 II	2.000	Cum	2231.430	4462.86
30.00	Dismantling of Structures Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 m as per Technical Specification Clause 202. By Manual Means Plain Cement Concrete SOR Item No.-2.5 I (B)	0.600	cum	463.250	277.95
31.00	Dismantling of Structures Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 m as per Technical Specification Clause 202. By Manual Means Rubble stone masonry in cement SOR Item No.-2.5 III (B)	17.330	cum	332.960	5770.20

Signature of Tenderer with seal

Dhirendra Construction Pvt. Ltd.

Director

अधीक्षक अभियन्ता
ग्रामीण कार्य विभाग
कार्य अखिल-महोदय

4 of 7

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
				Figure	
32.00	Removing all types of Hume pipes and stacking within a lead of 1000 m including Earthwork and Dismantling of Masonry Works as per Technical Specification Clause 202. Upto 600 mm dia Hume pipe SOR Item No.-2.13 A	5.000	cum	169.110	845.55
33.00	Providing and laying reinforced cement concrete pipe NP4 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets clause 1106. SOR Item No.-9.3(C)	37.500	m	857.950	32173.13
34.00	Kilometre Stone Reinforced cement concrete M15 grade kilometre stone/local stone of standard design as per IRC:8 fixed in position including painting and printing, etc as per drawing and Technical Specification Clause 1703 SOR Item No.-10.1(III) 200m Stone (Pre-cast)	8.000	No.	614.260	4914.08
35.00	Boundary Pillar 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 1704A1 outer side of H-Curve & @ 1.50m c/c both side at high embankment SOR Item No.-10.11	28.000	No.	503.320	14092.96
36.00	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 SOR Item No.-10.15	2.000	No.	11043.320	22086.64
37.00	Maintenance Board	1.000	No.	11043.320	11043.32
38.00	MMGSY Logo Board	1.000	No.	11043.320	11043.32
39.00	Providing and fixing of retro-reflectorised 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, 1.6 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 SOR Item No.-10.2 A (1)(a) 600 mm equilateral triangle	16.000	No.	3556.410	56902.56

Signature of Tenderer *Dr. R. K. Sharma* for *Dr. R. K. Sharma*

Dr. R. K. Sharma for *Dr. R. K. Sharma*

अधोक्षण अभियंता
ग्रामीण, जय विभाग
काथं 5- जयपुर

5 of 7

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
				Figure	
40.00	Providing and fixing of retro-reflectorised 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 SOR Item No.-10.2 A (1)(Viii) Speed Limit (600 MM Circular)	4.000	No.	4702.550	18810.20
41.00	Providing and fixing of retro-reflectorised 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 SOR Item No.-10.2 A (1) Hectometer Post	2.000	No	5525.200	11050.40
42.00	Providing and fixing of retro-reflectorised 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 SOR Item No.-10.2 A (1) (v) 600 mm x 450 mm rectangular	4.000	No.	4656.630	18626.52
43.00	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. SOR Item No.-8.13	275.800	sqm	735.400	202823.32
44.00	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.	98.000	sqm	820.580	80416.84
45.00	Rumble Strips (Provision of 15 nos rumble strips covered with MSS bituminous carpet, 15-20 mm high at center, 250 mm wide placed at 1 m center to center at approved locations to control speed, marked with white strips of road marking paint.)	28.125	sqm	193.630	5445.84
46.00	Add 1% Labour Cess	1.000	No	88893.000	88893.00
47.00	Add 12% GST	1.000	No	1066712.000	1066712.00
Total Construction Cost :					10044872.64

Dhirendra Construction Pvt. Ltd.

Director
Director

अधीक्षक अभियंता
ग्रामीण जन विभाग
कार्य अंचल - भातहारी

Signature

Signature of Tenderer with seal

8 of 7



Sl. No.	Description of work	No.or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
				Figure	
48.00	Maintainance for 1st year	1.000	Year	59109.00	59109.00
49.00	Maintainance for 2nd year	1.000	Year	78930.00	78930.00
50.00	Maintainance for 3rd year	1.000	Year	403019.00	403019.00
51.00	Maintainance for 4th year	1.000	Year	147923.00	147923.00
52.00	Maintainance for 5th year	1.000	Year	455362.00	455362.00
53.00	Add 1% Labour Cess	1.000	No	11443.00	11443.00
54.00	Add 12% GST	1.000	No	137321.00	137321.00
Five Year Maintenance Cost :					1293107.00
Total Estimated Cost In Figures					11337979.04
Say Amount					11,337,979.00
Quoted Rate In Words					

U.U. Approved for Construction Cost 'PART-A' Sl. No. 1 to 47 For Rs. 10044872.00
 ₹ One Crores ~~seventy-two~~ ^{forty} four
 thousand ~~Eight~~ ^{Eight} hundred ~~seventy-two~~ ^{only} And maintenance Cost 'PART-B'
 or ₹ 1293107.00 Twelve ~~hundred~~ ^{hundred} ninety three
 thousand ~~One~~ ^{hundred} seven

अध्यक्ष अभियंता
 ग्रामीण कार्य विभाग
 कार्य अचल - मातहारी
 31.7.19

Dhirendra Construction Pvt. Ltd.

Swirey
 Director

Signature of Tenderer with seal

7 of 7

