

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

Name of Work - **Construction of Road & CD Works with Maintenance from**
PMGSY Path Prathamik Vidhalay Parsauni Khem to
Basdev Das Tola Parsauni Khem Tak Path Nirman,
Road under MMGSY Gen.

Construction Const- **Rs.7071565=00, (Rupees- Seventy lakhs seventy one**
thousand five hundred sixty five) only.

Maintenance Const- **Rs.891352=00, (Rupees-Eight Lakhs ninety one thousand**
three hundred fifty two) only.

Agreement Value- **Rs.7962917=00 (Seventy nine Lakhs sixty two**
thousand nine hundred seventeen) only.

Performance Security –(Required Amount) **Rs.199000=00 Rupees- (One Lakhs**
ninety nine thousand) only.

Rate - **1.95 % (Below)**

Date of Work Order - **15.02-2020**

Item of Work - **1 TO 54**

Contract Date of Completion - **14.02.2021**

Dhirendra Construction Pvt. Ltd.

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Director

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कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमंडल, मुल्लाय

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66.03.2020

Tender Inviting Authority: CHIEF ENGINEER WORKS-I

Name of Work: Construction of Road & CD Works of :- PMGSY Path Prathamik Vidyalay Parsauni Khem to Basdev Das Tola parsauni Khem Tak, CNCPL No. : 42, Link No. : S041, Length -1.271 Km., Block -Chakia, District -East Champaran, UNDER MMGSY. Construction Cost of Road - 72.122 Lacs & 5 Years Maintenance Cost - 9.091 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. & 6 Nos. Respectively SOR Item No.-1.18	1.271	Per Km.	3968.140	5040.96
2.00	(ii) Construction of Reference Pillars/Burjees = 51 Nos SOR Item No.-1.18	1.271	Per Km.	1817.920	2310.58
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	0.380	Hectare	49496.700	18808.75
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)	519.070	cum	122.150	63404.40
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	363.350	cum	36.170	13142.37
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	1566.910	cum	175.110	274381.61
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)	391.730	cum	138.270	54164.51

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Dhirendra Construction Pvt. Ltd.

Director



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 1) , 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(AII)	621.850	cum	2530.910	1573846.38
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)	361.040	cum	3089.940	1115591.94
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)	3639.790	sqm	40.810	148539.83
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 (ii) 503	3639.790	sqm	13.840	50374.69
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	3639.790	sqm	181.420	696728.60

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Dhirendra Construction Pvt. Ltd.

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Director



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 batcher 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.-8 4	187.800	cum	6816.760	1280596.53
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 18	310.000	sqm	420.950	130494.50
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)	89.790	CUM.	260.590	23398.38
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	278.180	13566.84
17.00	Providing concrete for plain/reinforced concrete in opne 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.	5598.890	60076.09
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.	5473.450	271154.71
19.00	Brick masonry work in cement mortar in substructure complete excluding pointing and plastering, as per drawing and technical specifications clauses 602,603,604,1202&1204SOR Item No -12 1 (II)	17.730	CUM.	5704.970	101149.12
20.00	Plain/reinforced 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.	6125.450	29769.69

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Director



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 1205.511, RCC Grade M-25SOR Item No.-13.1	3.310	CUM.	7067.170	23392.33
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	56977.530	37035.39
23.00	Brick masonry work in cement mortar 1:3 in parapet excluding pointing and plastering as per drawing and technical specifications clauses 800,900 and 1208.4SOR Item No.-13.9	1.010	CUM.	5684.290	5720.93
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	168.120	7393.62
25.00	Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification clause 1204.3.6SOR 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.	110.940	3550.08
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 (B)SOR Item No.-9.2	2.100	Cum	397.320	834.37
29.00	Kilometre Stone Reinforced cement concrete M15 grade kilometre stone/focal stone of standard design as per IRC-6 bedding 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	2201.740	4403.48
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.-2.51 (B)	0.340	cum	463.250	157.51
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 Reinforced Cement Concrete SOR Item No.-2.51 (C)	0.760	cum	1136.410	863.67

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Director



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Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
				Figure	
32.00	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)	24.750	cum	332.960	8240.76
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)	30.000	m	843.260	25297.80
34.00	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 SOR Item No.-10.1(III) 200m Stone (Pre-cast)	5.000	No.	608.900	3044.50
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 1704At outer side of H-Curve & @ 1.50m c/c both side at high embankment SOR Item No.-10.11	19.000	No.	500.840	9515.96
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, 800mm 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.-10.16	2.000	No.	11015.620	22031.24
37.00	Maintenance Board	1.000	No.	11015.620	11015.62
38.00	MMGSY Logo Board	1.000	No.	11015.620	11015.62

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Director

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
				Figure	
39.00	Providing and fixing of retro-reflectors 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)(vi) 600 mm equilateral triangle	8.000	No.	3542.560	28340.48
40.00	Providing and fixing of retro-reflectors 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)(vii) Speed Limit (600 MM Circular)	2.000	No.	4688.700	9377.40
41.00	Providing and fixing of retro-reflectors 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) Heclometer Post	2.000	No.	5511.350	11022.70
42.00	Providing and fixing of retro-reflectors 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	2.000	No.	4642.780	9285.56
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	192.200	sqm	735.400	141343.68
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.	62.000	sqm	820.580	50875.96

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Director



