

# SUMMARY OF 5 YEARS MAINTENANCE COST

DISTRICT:-

Pune

BLOCK:-

K Nagar

NAME OF ROAD:-

Durga Asthan to Yadav Tola Purab

LENGTH OF ROAD (KM):-

3.615 km

## ESTIMATE FOR 5 YEARS MAINTENANCE WORKS

Multiplying factor for 15-45 CVPD 1.25

For more than 45 CVPD 1.5

Total Length Of Road =	3.615 m
Length Of the Flexible Pavement =	2.000 m
Length Of the Rigid Pavement =	0.15 m
Width Of the Road (Br) =	3.75 m
Width Of the Shoulder (Bs) =	1.125 m
Width Of the Shoulder (PCC) =	0.375 m
No. Of Hume Pipe Culvert =	9 No
No. Of Slab Culvert =	0 No
Length of Drain =	0 m

Multiplying Factor for Commercial Vehicle 1 to 45 per days = 1.25 (ref. - Annexure 14.4 operation Manual from Rural Road)

Sl. No.	Item	Unit	Rate	Quantity	Amount	Rate	Quantity	Amount	Amount
1	15.1 Restoration of Raincuts/Berms with soil, moorum etc (Qty=L*Bs*0.2% taken) X 1.25	Cum	6.0%	155.50	380.58				59,181.00
2	15.2 Making up of Berms/shoulder, stripping excess soil from the shoulder surfaces to achieve level etc. (Qty=L*Br*% taken) X 1.25	Sqm	10.0%	863.91	58.37				50,426.00
3	15.5 Repair of Pot holes filled with 75 mm WBM X 1.25	Cum	0.0%	0.00	334.48				0.00
4	15.14(ii) Patch repair over bituminous surface with 20 mm Mix Seal Surfacing (Qty=L*Br*% taken) X 1.25	Sqm	0.5%	65.63	242.04				15,884.00
5	15.6 Maintenance of Earthen Drains	M	-	0.00					0.00
6	15.7 (i) Maintenance of C/D Works (Hume Pipe Culvert)	No.	-	9.00	1117.00				10,053.00
7	15.7 (ii) Maintenance of C/D Works (Slab Culvert)	No.	-	0.00	2309.04				0.00
8	15.9 Maintenance of Road signs	Km	10.0%	0.36	1074.51				388.00
9	15.11 Maintenance of 200 m and km stones	Km	12.0%	0.43	573.96				249.00
10	15.12 (i) Cutting of branches of trees and shrubs	No.	-	6.00	106.52				639.00
	(ii) Cutting of shrubs from roadway	No.	-	28.00	6.54				183.00
	(iii) Trimming of grass and weeds	Sqm	18.0%	12.60	2.18				27.00
11	15.13 White washing of parapet walls of CD work and tree trunks	Sqm	-	189.00	16.33				3,086.00
Estimate For First Year Maintenance Work									Rs. 1,40,116.00
1	15.1 Restoration of Raincuts/Berms with soil, moorum etc (Qty=L*Bs*0.3% taken) X 1.25	Cum	7.2%	186.60	380.58				71,018.00
2	15.2 Making up of Berms/shoulder, stripping excess soil from the shoulder surfaces to achieve level etc. (Qty=L*Br*% taken) X 1.25	Sqm	12.0%	1036.69	58.37				60,511.00
3	15.3 (i) Repair of Pot holes filled with 75 mm WBM X 1.25	Cum	0.0%	0.00	334.48				0.00
4	15.3 (iii) Patch repair over bituminous surface with 20 mm Mix Seal Surfacing (Qty=L*Br*% taken) X 1.25	Sqm	1.0%	131.25	242.04				31,768.00
5	15.6 Maintenance of Earthen Drains	M	-	0.00	2.62				0.00
6	15.7 (i) Maintenance of C/D Works (Hume Pipe Culvert)	No.	-	9.00	1117.00				10,053.00
7	15.7 (ii) Maintenance of C/D Works (Slab Culvert)	No.	-	0.00	2309.04				0.00
8	15.9 Maintenance of Road signs	Km	12.0%	0.43	1074.51				466.00
9	15.11 Maintenance of 200 m and km stones	Km	15.0%	0.54	573.96				311.00
10	15.12 (i) Cutting of branches of trees and shrubs	No.	-	8.00	106.52				852.00
	(ii) Cutting of shrubs from roadway	No.	-	37.00	6.54				242.00
	(iii) Trimming of grass and weeds	Sqm	22.5%	15.75	2.18				31.00
11	15.13 White washing of parapet walls of CD work and tree trunks	Sqm	-	189.00	16.33				3,086.00
Estimate For Second Year Maintenance Work									Rs. 1,78,341.00

Sl. No.	SOR No.	Description of Work	Unit	Estimate Taken	Rate (Rs.)	Amount (Rs.)
1	15.1	Restoration of Raincuts/Berms with soil/moorum etc (Qty = $L \times B \times 0.3$ % taken) X 1.25	Cum	11.4%	217.70	380.58
2	15.2	Making up of Berms/shoulder, stripping excess soil from the shoulder surfaces to achieve level etc. (Qty = $L \times B \times 0.3$ % taken) X 1.25	Sqm	14.0%	1209.47	58.37
3	15.3 (i)	Repair of Pot holes filled with 75 mm WBM X 1.25	Cum	1.5%	196.88	334.48
4	15.3 (iii)	Patch repair over bituminous surface with 20 mm Mix Seal Surfacing (Qty = $L \times B \times 0.3$ % taken) X 1.25	Sqm	1.5%	196.88	242.04
5	15.6	Maintenance of Earthen Drains	M	-	0.00	2.62
6	15.7 (i)	Maintenance of C/D Works (Hume Pipe Culvert)	No.	-	9.00	1117.00
7	15.7 (ii)	Maintenance of C/D Works (Slab Culvert)	No.	-	0.00	2309.04
8	15.9	Maintenance of Road signs	Km	15.0%	0.54	1074.51
9	15.11	Maintenance of 200 m and km stones	Km	18.0%	0.65	573.96
10	15.12	(i) Cutting of branches of trees and shrubs	No.	-	6.00	106.52
		(ii) Cutting of shrubs from roadway	No.	-	28.00	6.54
		(iii) Trimming of grass and weeds	Sqm	22.5%	15.75	2.18
11	15.13	White washing of para; et walls of CD work and tree trunks	Sqm	-	189.00	16.33
12	8.13	Road Marking with Hot Applied Thermoplastic Compound with Reflectors Glass Beads on Bituminous Surface	Sqm	100%	560.00	850.93
13	8.13 & 8.16	Road Marking with Hot Applied Thermoplastic Compound with Reflectors Glass Beads on Concrete Surface	Sqm	100%	163.00	952.90
Estimate For Third Year Maintenance Work						Rs. 9,13,749.00
1	15.1	Restoration of Raincuts/Berms with soil/moorum etc (Qty = $L \times B \times 0.3$ % taken) X 1.25	Cum	9.6%	248.81	380.58
2	15.2	Making up of Berms/shoulder, stripping excess soil from the shoulder surfaces to achieve level etc. (Qty = $L \times B \times 0.3$ % taken) X 1.25	Sqm	16.0%	1382.25	58.37
3	15.3 (i)	Repair of Pot holes filled with 75 mm WBM X 1.25	Cum	2.0%	262.50	334.48
4	15.3 (iii)	Patch repair over bituminous surface with 20 mm Mix Seal Surfacing (Qty = $L \times B \times 0.3$ % taken) X 1.25	Sqm	2.0%	262.50	242.04
5	15.6	Maintenance of Earthen Drains	M	-	0.00	2.62
6	15.7 (i)	Maintenance of C/D Works (Hume Pipe Culvert)	No.	-	9.00	1117.00
7	15.7 (ii)	Maintenance of C/D Works (Slab Culvert)	No.	-	0.00	2309.04
8	15.9	Maintenance of Road signs	Km	15.0%	0.54	1074.51
9	15.11	Maintenance of 200 m and km stones	Km	18.0%	0.65	573.96
10	15.12	(i) Cutting of branches of trees and shrubs	No.	-	6.00	106.52
		(ii) Cutting of shrubs from roadway	No.	-	28.00	6.54
		(iii) Trimming of grass and weeds	Sqm	22.5%	15.75	2.18
11	15.13	White washing of parapet walls of CD work and tree trunks	Sqm	-	189.00	16.33
Estimate For Forth Year Maintenance Work						Rs. 3,41,660.00





बिहार BIHAR

मो. नं. 1000/1000

30 JUL 2019

अधिकृत पदाधिकारी

1000/1000

AD 005094

बीना देवी  
17.08.19

Beena Devi  
STAMP VENDER  
L.No-237/97  
Banmankhi, Purnea

Agreement No. - 195 SBD/2019-20

This agreement, made the ..... day ..... 2019 between Executive Engineer, Rural Work Division, Works Division, Purnea of the one part, and Kiran Kumari, Kajha, K. Nagar, Purnea (BID ID-329517) Whereas the Employer is desirous that the Contractor execute Construction and Maintenance of Road from Durga Asthan to Yadav Tola Purab Under MMGSY (ST) (Tender ID-2018\_ECBIH\_71751\_1) and the Employer has accepted the Bid by the Contractor for the execution and completion of such Works and the remedying of any defects therein at a cost of Rs. 2,81,35,834.00 (Rupees Two Crore Eighty One Lakh Thirty Five Thousand Eight Hundred Thirty Four) only.

**NOW THIS AGREEMENT WITNESSETH as follows:**

1. In this agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.

Page 1 of 2

किरण कुमारी

09.08.19  
Executive Engineer  
R.W.D. (Works) Division  
PURNEA  
3.8.19

2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the Contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying the defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract..
4. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:
  - i) Letter of Acceptance;
  - ii) Notice to proceed with the Works;
  - iii) Contractor's Bid;
  - iv) Contract Data;
  - v) Special conditions of contract and General Conditions of Contract;
  - vi) Specifications;
  - vii) Drawings;
  - viii) Bill of Quantities; and
  - ix) Any other document listed in the Contract Data as forming part of the contract.

In witness where of the parties thereto have caused this Agreement to be executed the day and year first before written.

5. Date of Commencement :- 09.08.19

6. Date of Completion :- 08.08.20

7. Contract Rate :- on per Rate or B.O.B rate

The common seal of \_\_\_\_\_

was hereunto affixed in the presence of :

Signed, Sealed and Delivered by the said \_\_\_\_\_

\_\_\_\_\_ in the presence of :

Binding Signature of Employer \_\_\_\_\_

Binding Signature of Contractor \_\_\_\_\_

किराण कुमार

Executive Engineer  
R.W.D. (Works) Division  
PUNE  
9.8.19



Inviting Authority: Engg-in Chief RWD Patna

of Work: Construction of Road & CD Works for Durga Asthan to Yadav Tola Purab of K.Nagar Block  
District Purnea Under MGSY

act No: Civil Works/

Excess ( + )

%

**SCHEDULE OF WORKS**

Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
			Figure	Words	
Providing & Fixing of Working benchmark/Reference Pillars 01 nos. per km & 04 Nos. of reference pillars required for 1 Km. as per drawings given and direction of E/I <b>Benchmark Pillars 01 nos. per km</b>	4.000	Per Km	5149.35	Rupees Five Thousand One Hundred & Forty Nine and Paise Thirty Five Only	20597.40
Providing & Fixing of Working benchmark/Reference Pillars 01 nos. per km & 04 Nos. of reference pillars required for 1 Km. as per drawings given and direction of E/I <b>Reference Pillars 04 nos. per km</b>	14.000	Per Km	2349.06	Rupees Two Thousand Three Hundred & Forty Nine and Paise Six Only	32886.84
Clearing and Grubbing Road Land 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.	2.530	Hect.	49739.47	Rupees Forty Nine Thousand Seven Hundred & Thirty Nine and Paise Forty Seven Only	125840.86
<b>Box Cutting</b> :- Excavation for roadway in soil using manual means for carrying of cut earth to embankment with a lift upto 1.5 m and lead upto 50 m as per Technical Specification Clause 302.3	123.750	Cum	82.01	Rupees Eighty Two and Paise One Only	10148.74
Construction of embankment with approved material deposited from road way cutting and excavation from main and foundation of other structures and excavated to an average lead of 100 m graded and compacted to meet requirement of tables 300.1 and 300.2 as per Technical specification clause 301.5 (Including Royalty & Labour Cess).	74.250	Cum	27.98	Rupees Twenty Seven and Paise Ninety Eight Only	2077.52
Construction of Embankment with material obtained from borrow pits with a lift upto 1.5 m, transporting to the site loading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m as per Technical Specification Clause 301.5	517.540	Cum	187.23	Rupees One Hundred & Eighty Seven and Paise Twenty Three Only	96899.01
<b>1000 m lead</b> Construction of Embankment with material obtained from borrow pits with a lift upto 1.5 m, transporting to the site loading, grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 100 m as per Technical Specification, Clause 301.5.	4652.000	Cum	132.56	Rupees One Hundred & Thirty Two and Paise Fifty Six Only	616669.12
<b>100 m lead</b> <b>Construction of Subgrade &amp; Earthen Shoulder</b> Construction of subgrade & earthen shoulders with approved material obtained from borrow pits with all lifts loaded, transporting to site, spreading, grading to required slope and compacted to meet requirement of 300.2 with lead upto 1000m as per Technical Specification Clause 301.4.1	7005.910	Cum	189.60	Rupees One Hundred & Eighty Nine and Paise Sixty Only	1328320.54
<b>Construction of Sub-base with Well Graded Material (Table 301.4.1)</b> Construction of granular sub-base by providing well graded material (Crushed Stone Aggregates and Course spreading in uniform layers with motor grader on surface, mixing by mix in place method with vibratory roller, and compacting with three wheel 80-tonne capacity to achieve the desired density as per Technical Specification Clause	2277.970	Cum	3153.44	Rupees Three Thousand One Hundred & Fifty Three and Paise Forty Four Only	7183441.72

of Tenderer with seal

*Signature*

*Signature*  
Executive Engineer  
R.W.D. (Works) Division  
PURNEA

Inviting Authority: Engg-in Chief RWD Patna

of Work: Construction of Road & CD Works for Durga Asthan to Yadav Tola Purab of K.Nagar Block  
District Purnea Under MMGSY

act No: Civil Works/

Excess ( + )

%

SCHEDULE OF WORKS

Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
			Figure	Words	
<b>WBM Grading 3</b> 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.	1037.050	Cum	3925.70	Rupees Three Thousand Nine Hundred & Twenty Five and Paise Seventy Only	4071147.19
<b>Prime Coat</b> 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 0.70-1.0kg/sqm using mechanical means as per Technical Specification Clause 502	10710.000	Sqm	55.76	Rupees Fifty Five and Paise Seventy Six Only	597189.60
<b>Tack Coat</b> Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25-0.30kg per sqm on the prepared granular surfaces treated with primer & cleaned with Hydraulic broom as per Technical Specification Clause 503	10710.000	Sqm	18.92	Rupees Eighteen and Paise Ninety Two Only	202633.20
<b>Mix Seal Surface</b> Providing laying and rolling of close - graded premix surface material 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 static roller and finishing to required level and grades as per Technical Specification Clause 509	10710.000	Sqm	242.04	Rupees Two Hundred & Forty Two and Paise Four Only	2592248.40
<b>Cement Concrete Pavement M30</b> 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 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 1501.	498.780	Cum	7727.25	Rupees Seven Thousand Seven Hundred & Twenty Seven and Paise Twenty Five Only	3854197.76
<b>Hard Shouldering :-</b> 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 412	407.500	Sqm	600.36	Rupees Six Hundred and Paise Thirty Six Only	244646.70

Signature of Tenderer with seal

किरण कुमारी

Executive Engineer  
R.W.D. (Works) Division  
PURNEA



Inviting Authority: Engg-in Chief RWD Patna

Work: Construction of Road & CD Works for Durga Asthan to Yadav Tola Purab of K.Nagar Block  
District Purnea Under MMGSY

Job No: Civil Works/



Excess ( + )

%

SCHEDULE OF WORKS

Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
			Figure	Words	
<b>Kilometre Stone</b> 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 <b>Ordinary Kilometre Stone (Precast)</b>	4.000	Each	2530.04	Rupees Two Thousand Five Hundred & Thirty and Paise Four Only	10120.16
<b>Kilometre Stone</b> 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 <b>200 m stone (precast)</b>	15.000	Each	698.67	Rupees Six Hundred & Ninety Eight and Paise Sixty Seven Only	10480.05
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	3.000	Each	10259.410	Rupees Ten Thousand Two Hundred & Fifty Nine and Paise Forty One Only	30778.23
<b>Citizen Information Board As per Drawing</b> 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	1.000	Each	10259.410	Rupees Ten Thousand Two Hundred & Fifty Nine and Paise Forty One Only	10259.41

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Signature of Tenderer with seal

*किरण कुमारी*

*Handwritten signature*  
Executive Engineer  
R.W.D. (Works) Division  
PURNEA

Writing Authority: Engg-in Chief RWD Patna

of Work: Construction of Road & CD Works for Durga Asthan to Yadav Tola Purab of K.Nagar Block  
District Purnea Under MMSY

Project No: Civil Works/

		Excess ( + )				%
Description of work		SCHEDULE OF WORKS				
	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P	
			Figure	Words		
<b>Five Year Maintenance Board :-</b> 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	1.000	Each	10259.410	Rupees Ten Thousand Two Hundred & Fifty Nine and Paise Forty One Only	10259.41	
Printing new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade as per drawings and Technical Specification Clause 1701	396.000	per cm height per letter	0.52	Rupees and Paise Fifty Two Only	205.92	
<b>Boundary Pillar/Gaurd Post :-</b> 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	168.000	Each	552.44	Rupees Five Hundred & Fifty Two and Paise Forty Four Only	92809.92	
Providing and fixing of semi reflective cautionary, mandatory and informatory sign board as per IRC :67 made of 1.5 mm thick MS steel duly stove white colour in front and gray colour on back with red reflective border of 65 mm width and required letters and figures with reflective tape engineering grade as per clause 1701.3.9 of MORD for rural road of required shade and colour supported and welded on 47mmx47mmx12swg sheet tube firmly fixed to the ground by mean of properly designed foundation with M15 grade cement concrete 450x450x600 mm, 600mm below ground level as per approved drawing clause 1701.2.2. <b>600 mm equilateral triangle</b>	51.000	No.	4260.83	Rupees Four Thousand Two Hundred & Sixty and Paise Eighty Three Only	217302.33	
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 <b>600 mm Circular</b>	56.000	No.	5776.34	Rupees Five Thousand Seven Hundred & Seventy Six and Paise Thirty Four Only	323475.04	
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 <b>800 mm</b>	8.000	No.	8127.17	Rupees Eight Thousand One Hundred & Twenty Seven and Paise Seventeen Only	65017.36	
<b>600 mm rectangular</b>						

Signature of Tenderer with seal

किरण कुमारी

Executive Engineer  
R.W.D. (Works) Division  
PURNEA



Authority: Engg-in Chief RWD Patna

Work: Construction of Road & CD Works for Durga Asthan to Yadav Tola Purab of K.Nagar Block  
District Purnea Under MMGSY

Category: Civil Works/

Excess ( + )

%

SCHEDULE OF WORKS

Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
			Figure	Words	
Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 701.2.3 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 10 mm Octagon	1.000	No.	10418.33	Rupees Ten Thousand Four Hundred & Eighteen and Paise Thirty Three Only	10418.33
Road Marking with Hot Applied Thermoplastic compound with Reflectorising Glass Beads on luminous Surface :- 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, form and free from streaks and holes.	560.000	Sqm	850.93	Rupees Eight Hundred & Fifty and Paise Ninety Three Only	476520.80
Road Marking with Hot Applied Thermoplastic compound with Reflectorising Glass Beads on concrete Surface :- 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, form and free from streaks and holes.	163.000	Sqm	952.90	Rupees Nine Hundred & Fifty Two and Paise Ninety Only	155322.70
Providing and laying of a reinforced cement concrete duct, 300 mm dia, across the road (new construction), extending from drain to drain in cuts and of slope to toe of slope in fills, constructing head walls at both ends, providing a minimum fill of granular material over top and sides of RCC pipe as per IRC:981997, bedded on a 0.3 m thick layer of granular material free of rock pieces, outer to outer distance of at least half dia of pipe ducts, joints to be made leak proof, invert level of to be above higher than ground level to prevent of water and dirt, all as per IRC: 98 - 1997 and approved drawings.	200.000	RM	1012.98	Rupees One Thousand & Twelve and Paise Ninety Eight Only	202596.00
Work in excavation of foundation of structures as drawing and technical specification Clause 1104, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing sides and bottom and backfilling with approved material.	268.200 30	Cum	285.71	Rupees Two Hundred & Eighty Five and Paise Seventy One Only	76627.42
Providing M15 (PCC 1:2.5:5) as levelling course in foundation :- Providing PCC M 15 (1:2.5:5) concrete for concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 804 & 1203 Grade M-15	41.400 21	Cum	6477.08	Rupees Six Thousand Four Hundred & Seventy Seven and Paise Eight Only	268151.11
Reinforced cement concrete (M-20) in substructure complete as per drawings and technical specification clauses 802, 804, 805, 806, 807, 1202 and 1204	303.660 32	Cum	7431.52	Rupees Seven Thousand Four Hundred & Thirty One and Paise Fifty Two Only	2256655.36

Signature of Tenderer with seal

कवि गुप्ता

Executive Engineer  
R.W.D. (Works) Division  
PURNEA

Inviting Authority: Engg-In Chief RWD Patna

Work: Construction of Road & CD Works for Durga Asthan to Yadav Tola Purab of K.Nagar Block  
District Purnea Under MMSY

No: Civil Works/

Excess ( + )

%

SCHEDULE OF WORKS

Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
			Figure	Words	
Providing & Laying ISI mark* Cement Concrete hume Pipe (buried conduits) on first class bedding of granular material including fixing collar with cement sand mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry work in head wall and parapets ( * See general notes) mm dia 33 1x 1000	67.500	RM	4132.57	Rupees Four Thousand One Hundred & Thirty Two and Paise Fifty Seven Only	278948.48
Painting on Parapet Wall (Black & White Strips) Painting two coats including primer coat after filling the surface with synthetic enamel paint in all shades on new, plastered / concrete surfaces as per drawing and Technical Specification Clause 1701 34	185.760	Sqm	108.98	Rupees One Hundred & Eight and Paise Ninety Eight Only	20244.12
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. Cement Concrete 35	3.460	Cum	474.67	Rupees Four Hundred & Seventy Four and Paise Sixty Seven Only	1642.36
Dismantling of existing structures like culverts, bridges, retaining walls and other structures comprising of brick masonry, including disposal of unserviceable material and stacking the serviceable material with all lift and lead of 1000 m as per Technical Specification Clause 202. Cement mortar 36	114.000	Cum	228.40	Rupees Two Hundred & Twenty Eight and Paise Forty Only	26037.60
Removing all types of Hume pipes and stacking Including Earthwork and Dismantling of Masonry Works as per Technical Specification Clause 202. Above 600 mm to 900 mm dia Hume pipe 37	25.000	RM	229.83	Rupees Two Hundred & Twenty Nine and Paise Eighty Three Only	5745.75
Maintainance for 1st year	3.615	Km	38759.61	Rupees Thirty Eight Thousand Seven Hundred & Fifty Nine and Paise Sixty One Only	140116.00
Maintainance for 2nd year	3.615	Km	49333.61	Rupees Forty Nine Thousand Three Hundred & Thirty Three and Paise Sixty One Only	178341.00
Maintainance for 3rd year	3.615	Km	252765.98	Rupees Two Lakh Fifty Two Thousand Seven Hundred & Sixty Five and Paise Ninety Eight Only	913749.00
Maintainance for 4th year	3.615	Km	94511.76	Rupees Ninety Four Thousand Five Hundred & Eleven and Paise Seventy Six Only	341660.00
Maintainance for 5th year	3.615	Km	285866.11	Rupees Two Lakh Eighty Five Thousand Eight Hundred & Sixty Six and Paise Eleven Only	1033406.00
Total Estimated Cost in Figures				Rupees only	28135834.44
Quoted Amount				28135834.44	28135834.00
In Words	Rupees Two Crore Eighty One Lakh Thirty Five Thousand Eight Hundred & Thirty Four Only				

Signature of Tenderer with seal

Executive Engineer  
R.W.D. (Works) Division  
PURNEA



Consty	Cost (Sl. No- 1 to 37)	— Rs	2, 55, 28, 562
Mainty	Cost (Sl. No- 38 to 42)	— Rs	26, 07, 272
			<hr/>
		Rs	2, 81, 35, 834

B.O.G. Approved for Rs 2,81,35,834 = 00 (Two Crore eighty one Lacs thirty five thousand eight hundred and thirty four) only.

*[Signature]*  
 प. 1. 19  
 सचीवन मन्त्रालय  
 प्रामाण्य कार्य विभाग  
 कार्य भवन, पुणे  
*[Signature]*  
 प. 1. 19

*[Signature]*  
 20/8/19  
 Executive Engineer  
 W.D. (Works) Division  
 PUNE

किरण कुमारी

कार्यपालक अभियन्ता का कार्यालय  
ग्रामीण कार्य विभाग, कार्य प्रमंडल, पूर्णियाँ

पत्रांक ...1847.....

प्रेषक,

कार्यपालक अभियन्ता,  
ग्रामीण कार्य विभाग,  
कार्य प्रमंडल, पूर्णियाँ

सेवा में,

नोडल पदाधिकारी, (MMGSY)  
ग्रामीण कार्य विभाग,  
बिहार, पटना ।

पूर्णियाँ / दिनांक ...10/07/2024-

विषय : MMGSY (ST) योजनान्तर्गत पथ के एकरारनामा की राशि को सुधार करने के संबंध में ।

महाशय,

उपर्युक्त विषय के संबंध में कहना है कि इस प्रमंडल अधीन MMGSY (ST) योजनान्तर्गत निम्नलिखित पथ के एकरारनामा की राशि MIS में गलत अंकित हो गया है ।

अतः अनुरोध है कि इस पत्र के साथ संलग्न निम्नलिखित पथ के सही एकरारनामा की राशि MIS में प्रविष्टि करने की कृपा की जाय ।

अनु० – यथोक्त ।

1. Durgasthan to Yadav Tola Purab Project ID- 21105201440

विश्वासभाजन

कार्यपालक अभियन्ता  
ग्रामीण कार्य विभाग,  
कार्य प्रमंडल, पूर्णियाँ