

Agreement no - 155B/sup/2022-23



बिहार BIHAR

21863
10.3.2022

राजिव कुमार

AN 322411

Reverse Agreement

वास्तु शास्त्र

ADOK KUMAR

Stamp Vender

L. No-18/ 31-T-2000

Civil Court, Hajipur

Const. Work-5371097

Maint. Work-615150 / Total-5986247

Diff. Rev. Agre

Supplementary Agreement Form

Const. Work-51570105

This agreement, made the _____ day of August 2022 between Executive Engineer, Rural Works Division, Hajipur of the one part and Sri Rajeev Kumar, vill-Totah

Purkhauri Lalgaon Vaishale

work Patedhi Baki Khan to Patedhi Bhi Khan Haddigan tola is desirous that the Contractor execute the

and there after undertake routine maintenance for five Years and the Employer has accepted the Bid by the Contractor for the execution and completion of such works and the remedying of any defects and routine maintenance there in, at a cost of Rs. 5387623 (Fifty three lakh eighty six thousand

Six hundred twenty three only 5986247 (Fifty nine lakh eighty six thousand two hundred sixty seven only)

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement, words and expression shall have the same meanings as are respectively assingend 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.
2. in consideration of the payment to be made by the employer to the contractor as here by 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 and undertaking routine maintenance for five year.

Rajeev Kumar

10/3/2022

Executive Engineer
R.W.D. Works Division
Hajipur

Tender Inviting Authority: CHIEF ENGINEER WORKS-I

Name of Work: Construction of Road & CD Works of :- Patedhi Bahi Khan to Patedhi Bahi Khan Harijan Tola , Package No -0, CNCPL No. : 0, Link No. : 0, Length -0.8 Km., Block -Patedhi Belshar , District -Vaishali, Construction Cost of Road - 53.711 Lacs & 5 Years Maintenance Cost - 6.152 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 relevent 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	AMOUNT Rs. P
				Figure	
1.00	Setting Out Pillars :- Providing & Fixing of Working benchmark Pillars 01 nos. per km & 04 Nos. of reference pillars required for 1km as per drawings given and direction of E/I Construction of Reference & Working Benchmarks	0.800	Km	11300.000	9040.00
2.00	Clearing and Grubbing Road Land Clearing and Grubbing Road Land (By manual means) including uprooting wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300 mm, removals of stumps of such trees cut earlier & disposal of unserviceable materials & stacking of serviceable materials to be used or auctioned upto a lead of 1000 m including removal and disposal of top organic soil not exceeding 150mm in thickness as per technical specification - clause 201.1 and direction of E/I. (By Manual Means) in area of non-thorny jungle	0.280	Hect	49496.700	13859.08
3.00	Excavation for roadway in soil using manual means for carrying of cut earth to embankment site with a lift upto 1.5 m and lead upto 50 m as per Technical Specification Clause 302.3	74.630	Cum	122.150	9116.05
4.00	Construction of Embankment with Material Obtained from Roadway Cutting Construction of embankment with approved materials deposited at site from roadway cutting and excavation from drain and foundation of other structures graded and compacted to meet equirement of Tables 300.1 and 300.2 as per Technical Specification Clause 301.5	41.400	Cum	29.520	1222.13
5.00	Excavation for roadwork in soil hydraulic excavator of 0.9 cum bucked capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines grades and cross sections and transporting to the emvankment lication with a lift upto 1.5 m and lead upto 1000 m as per Technical Specification Clause 302.3	69.000	Cum	74.100	5112.90
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	342.570	Cum	175.110	59987.43

Reflex-V

Signature of Tenderer with seal

Executive Engineer
R.W.D. Works Division
5/11/2021

	Description of work	No.or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
				Figure	
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	616.330	Cum	134.950	83173.73
8.00	Construction of subgrade & earthen shoulder with approved material obtained from borrow pits with a lift and leads, transporting to site, spreading grading to required slope and compacting to meet requirement of Tables 300.2 with lead up to 1000 m & 100 m as per Technical Specification Clause 300.1. (Including Royalty & Labour Cess)	540.130	Cum	176.750	95467.98
9.00	Granular sub-base with Well graded material (Table 400.1) :- Construction of gravel 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. (For Grading II Material)	187.611	Cum	2567.240	481642.59
10.00	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.	261.120	Cum	3843.590	1003638.22
11.00	Prime Coat (Low Porosity) :- 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	1136.250	Sqm	41.270	46893.04
12.00	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 503.	1136.250	Sqm	14.000	15907.50
13.00	Mix Seal Surfacing 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 509.	1136.250	Sqm	194.270	220739.29

Refer to

Signature of Tenderer with seal

5/8/22

Executive Engineer
R.W.D. Works Division
Nagpur

	Description of work	No.or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
				Figure	
14.00	Granular sub-base with Well graded material (Table 400.1) :- Construction of gravel 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. (For Grading II Material)	52.880	Cum	2567.240	135755.65
15.00	Cement Concrete Pavement M30 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 1501	348.000	Cum	6820.070	2373384.36
16.00	Hard Shouldering :- Laying brick 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	500.000	Sqm	420.770	210385.00
17.00	TRAFFIC SIGNS, MARKINGS & OTHER ROAD APPURTENANCES 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)	2.000	each	2226.710	4453.42
18.00	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 200 m stone (Precast)	2.000	each	622.740	1245.48

Rajesh K

SP
Executive Engineer
R.W.D. Works Division
Hapur

	Description of work	No.or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
				Figure	
19.00	Retro-reflectorised Traffic Signs :- 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 or properly designed foundation with M15 rade cement concrete 450 mm x 450 mm x 600 mm below ground level as per drawings and Technical Specification Clause 801 600 mm equilateral Triangle	3.000	each	3520.230	10560.69
20.00	Retro-reflectorised Traffic Signs :- 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 or properly designed foundation with M15 rade cement concrete 450 mm x 450 mm x 600 mm below ground level as per drawings and Technical Specification Clause 801 600 mm circular	3.000	each	4745.900	14237.70
21.00	Retro-reflectorised Traffic Signs :- 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 or properly designed foundation with M15 rade cement concrete 450 mm x 450 mm x 600 mm below ground level as per drawings and Technical Specification Clause 801 800 mm x 600 mm rectangular	2.000	each	6647.130	13294.26
22.00	Retro-reflectorised Traffic Signs :- 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 or properly designed foundation with M15 rade cement concrete 450 mm x 450 mm x 600 mm below ground level as per drawings and Technical Specification Clause 801 600 mm x 450 mm rectangular (School & Place)	3.000	each	4620.440	13861.32
23.00	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Conctete 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 , uniform and free from streaks and holes. BT Portation	60.000	Sqm	735.400	44124.00

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Signature of Tenderer with seal

Executive Engineer
R.W.D. Works Division
Hajipur

	Description of work	No.or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
				Figure	
24.00	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 , uniform and free from streaks and holes. PCC Portation	100.000	Sqm	834.620	83462.00
25.00	Boundary Pilar/Guard Post	10.000	Nos	468.610	4686.10
26.00	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 year.	15.000	Nos	800.300	12004.50
27.00	Direction and place Identification Signs with Size More Than 0.9 Sqm Size Board	2.000	Nos	11721.480	23442.96
28.00	(I) Providing and Fixing 'Logo' of MMGSY Project :- 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	5.000	each	10846.200	54231.00
29.00	Earth work in excavation for foundation of structures upto 3.0 m depth as per drawing and technical specification clause 1104	29.800	each	260.590	7765.58
30.00	Providing M15 (PCC 1:2:5:5) as leavelling course in foundation :- Providing PCC M 15 (1:2:5:5) concrete for plain concrete in open foundations complete as per drawings and technical specifications clause 802, 803, 1202 & 1203	2.960	Cum	5357.160	15857.19
31.00	Brick Masonary work in cm 1:4 in head wall complete as per drawing and technical specification clause 1109 in cement mortar 1:4	30.610	Cum	5742.180	175768.13
32.00	Providing and laying RCC pipe NP-3 for culverts on first class bedding of PCC M10 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 as per clause 1106.	7.500	mtr	3335.820	25018.65
33.00	Plastering with cement mortar (1:4) on brick work in sub structure as per technical Specifications.	66.850	Sqm	169.240	11313.69
34.00	Providin 1.5 mm cement punning including curing carriage of water with all leads and lifts as per building specification and direction of E/I.	14.220	Sqm	46.600	662.65
35.00	12% GST on Construction Cost	1.000		633757.760	633757.76

Signature of Tenderer with seal

Executive Engineer
R.W.D. Works Division
Hailpur

	Description of work	No.or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
				Figure	
36.00	1% Labour Cess	1.000		52813.150	52813.15
37.00	As Per Below 10%	1		596788.000	-596788.00
Total Construction Cost :					5371097.18
38.00	Maintainance for 1st year	1.000	Year	33262.00	33262.00
39.00	Maintainance for 2nd year	1.000	Year	50480.00	50480.00
40.00	Maintainance for 3rd year	1.000	Year	201205.00	201205.00
41.00	Maintainance for 4th year	1.000	Year	89184.00	89184.00
42.00	Maintainance for 5th year	1.000	Year	230737.00	230737.00
43.00	12% GST on Construction Cost	1.000		72584.16	72584.16
44.00	1% Labour Cess	1.000		6048.68	6048.68
45.00	As Per Below 10%	1.000		68350.00	-68350.00
Five Year Maintenance Cost :					615150.84
Total Estimated Cost in Figures					5986248.02
Say Amount					59,86,248.00
Quoted Rate in Words		#NAME?			

Jan 2016

Revised

A B.O.Q. approved for Rs. 59,86,248.00
 Rupees..... — Crore fifty nine lakh eighty six
 Thousand..... Two Hundred forty eight On

23.12.2015
 Superintending Engineer
 Rural Works Department
 Work Circle: Muzaffarpur

Signature of Tenderer with seal

Signature

23/12/22
 Executive Engineer
 R.W.D. Works Division
 Hajipur