



बिहार BIHAR



नं० १३/४२०२२ अभय कनू ५५५

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सं० १३/४२०२२ अभय कनू ५५५

सं० १३/४२०२२ अभय कनू ५५५

सं० १३/४२०२२ अभय कनू ५५५

Supplementary Agreement.

03/11/2022/21-22

Supplementary Agreement of AG No-03/SBD/2022 Date

This agreement, Made the 21st April 22 day of 2019 between Executive Engineer, Rural Works Department, Works Division, Sonpur, Saran [Name and address of employer] of One Part, and ABHAY CONSTRUCTION, PROP- ABHAY KUMAR, AT- CHAK APSAID, PARMANANDPUR, SONPUR, District- Saran. (Hereinafter called "the Contractor) of the other part Whereas the employer is desirous that the Contractor execute Construction and Maintenance of Road From NH-19 JHAUA DHALA TO PAKULIYA VIA GORAIPUR (DAMAGED BY FLOOD) (Name and identification number of Contract) (hereinafter called "the works") and the Employer has accepted the Bid by the Contractor) execution and completion of such works and the remedying of any defects therein at a Cost of Rupees.....

एकराशनामा की पुनरीक्षित राशि- 140.20876

मूल एकराशनामा की राशि- 134.07113

एकराशनामा में अंतर राशि- 6.13763

कार्य समाप्ति की तिथि- 18/6/22

Abhay Kumar

Executive Engineer
Rural Works Department
Work Division, Sonpur

21/4/22
Scanned with CamScanner

OW THIS AGREEMENT WITNESSETH as follow:

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 constructed as part of this agreement.
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 there 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 constructed as part of this Agreement, Viz :-
 - I. Letter of Acceptance;
 - II. Notice to proceed with works;
 - III. Contractors Bid;
 - IV. Conditions of Contract: General and Special.
 - V. Contract Data;
 - VI. Additional Conditions
 - VII. Drawings;
 - VIII. Bill of Quantities
 - IX. Any Other documents listed in the Contract Data as following part of the contract.

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

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 Chay Kumar

Executive Engineer
Rural Works Department
Work Division, Sonpur

21/4/22

BOQ

Name of Work: Construction of Road & CD Works from Revised Estimate For NH 19 Jhaui Dhala To Pakaulia Via Goraipur

☒ VALIDATE

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Contract No: Civil Works/

SCHEDULE OF WORKS

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
1.00	Cleaning and Grubbing Road Land (By manual means) including uprooting wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300mm 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	0.80	ha	52970.00	Rupees Fifty Two Thousand Nine Hundred & Seventy Only	42376.00
2.00	Construction of subgrade and earthen shoulders :- Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and	3560.00	Cum	192.25	Rupees One Hundred & Ninety Two and Paise Twenty Five Only	684410.00
3.00	Granular Sub-base with Well Graded Material (Table 400.1) :- Construction of granular sub-base by providing well graded material, spreading in uniform layers with motor grader 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	155.93	Cum	2583.34	Rupees Two Thousand Five Hundred & Eighty Three and Paise Thirty Four Only	402826.99
4.00	WBM Grading 2 (By Mechanical Means) :- Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 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 2 as per Technical Specification Clause 405.	133.61	Cum	4800.51	Rupees Four Thousand Eight Hundred and Paise Fifty One Only	641409.29
5.00	WBM Grading 3 (By Mechanical Means) :- 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.	253.21	Cum	4257.14	Rupees Four Thousand Two Hundred & Fifty Seven and Paise Fourteen Only	1077960.62
6.00	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.	3376.12	Sqm	43.07	Rupees Forty Three and Paise Seven Only	145409.29
7.00	Tack Coat :- Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surface treated with Primer and cleaned with hydriloc broom as per technical specification clause 503.	3376.12	Sqm	14.74	Rupees Fourteen and Paise Seventy Four Only	49763.94

Chhay Kumar.

Executive Engineer
Rural Works Department
Work Division, Sonpur

21/4/22

BOQ						
Name of Work: Construction of Road & CD Works from Revised Estimate For NH 19 Jhaua Dhala To Pakaulia Via Goraipur						
Contract No: Civil Works/						
<div>VALIDATE</div> <div>PRINT</div> <div>HELP</div>						
Sl. No.	Description of work	SCHEDULE OF WORKS			AMOUNT	
		No. or Qty.	Unit	Estimated Rate	Rs. P	
				Figure	Words	
8.00	Work over WBM using Mix seal surface With Plastic for bituminous and Existing CC pavement :- 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. With waste plastic	3376.12	Sqm	241.92	Rupees Two Hundred & Forty One and Paise Ninety Two Only	816749.81
9.00	Tack Coat :- Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surface treated with Primer and cleaned with hydriloc broom as per technical specification clause 503.	15000.00	Sqm	12.81	Rupees Twelve and Paise Eighty One Only	192150.00
10.00	Semi-Dense Bituminous Concrete :- Providing and laying semi dense bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 4.5 to 5 per cent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver, finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 508 complete in all respects.	375.00	Cum	12235.04	Rupees Twelve Thousand Two Hundred & Thirty Five and Paise Four Only	4588140.00
11.00	Kilometre stone :- Reinforced cement concrete M15 grade kilometre 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. i) 5th km Stone	8.00	nos	2172.19	Rupees Two Thousand One Hundred & Seventy Two and Paise Nineteen Only	17377.52
12.00	ii) 200 m Stone	27.00	nos	611.72	Rupees Six Hundred & Eleven and Paise Seventy Two Only	16516.44
13.00	Direction and Place Identification signs with size more than 0.9 sqm size board :- Retro-reflectorised Traffic Signs Providing and erecting direction and place identification retro-reflectorised sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on mild steel angle iron posts 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per approved drawing and Technical Specification Clause 1701.	1.92	Sqm	11735.07	Rupees Eleven Thousand Seven Hundred & Thirty Five and Paise Seven Only	22531.33

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Works/

on of work

SCHEDULE OF WORKS

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
14.00	Painting lines, Dashes, Arrows, etc. on Roads in Two coats on Old Work Painting lines, dashes, arrows, mixed road marking paint conforming to IS:164 on bituminous/concrete surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control as per drawing and technical specification Clause 1702	1.80	Sqm	80.44	Rupees Eighty and Paise Forty Four Only	144.79
15.00	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 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 i) 600 mm equilateral & triangle	18.00	nos	3394.00	Rupees Three Thousand Three Hundred & Ninety Four Only	61092.00
16.00	600 mm circular	16.00	nos	3591.40	Rupees Three Thousand Five Hundred & Ninety One and Paise Forty Only	57462.40
17.00	600 mm x 450 mm rectangular	18.00	nos	3467.06	Rupees Three Thousand Four Hundred & Sixty Seven and Paise Six Only	62407.08
18.00	Boundary Pillar/Guard Post :- 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	108.00	nos	518.39	Rupees Five Hundred & Eighteen and Paise Thirty Nine Only	55986.12
19.00	Printing New Letters and Figures of any Shade :- 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	792.00	height per	0.60	Rupees and Paise Sixty Only	475.20
20.00	Planting of Trees and their Maintenance for one Year :- 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	200.00	Each	842.62	Rupees Eight Hundred & Forty Two and Paise Sixty Two Only	168524.00
21.00	Road Marking with Hot Applied Thermoplastic :- 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	800.00	Sqm	721.95	Rupees Seven Hundred & Twenty One and Paise Ninety Five Only	577560.00

Handwritten signature

Chhay Kumar

Executive Engineer
Rural Works Department
Work Division, Sonpur

20/4/22

Name of Work: Construction of Road & CD Works from Revised Estimate For NH 19 Jhaui Dhala To Pakaula Via Goraipur

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Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
22.00	Fixing 'Logo' of Maintenance Project and fixing of typical MMGSY 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	4.00	nos	9796.48	Rupees Nine Thousand Seven Hundred & Ninety Six and Paise Forty Eight Only	39185.92
23.00	Brick Masonry in C.M.(1:3) in parapet :- Brick masonry work in cement mortar 1:3 in parapet excluding pointing and plastering as per drawing and technical specifications Clauses 600, 900 and 1208.4	25.92	Cum	5101.14	Rupees Five Thousand One Hundred & One and Paise Fourteen Only	132221.55
24.00	Plastering with cement mortar (1:4):- Plastering with cement mortar (1:4) on brick work in sub-structure as per Technical Specifications	181.44	Sqm	136.60	Rupees One Hundred & Thirty Six and Paise Sixty Only	24784.70
25.00	Painting Two Coats on New Concrete Surfaces :- 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	527.04	Sqm	100.17	Rupees One Hundred and Paise Seventeen Only	52793.60
26.00	Maintenance	20.00	Quarterly	201796.55	Rupees Two Lakh One Thousand Seven Hundred & Ninety Six and Paise Fifty Five Only	4035931.00
Total Estimated Cost in Figures						1,39,66,189.59
1% Labour						1,39,661.90
12% GST						16,75,942.75
Segniorage Fee						61,003.20
Less 11.5%						18,21,921.71
Quoted Amount					1,40,20,875.73	1,40,20,876.00
Quoted Rate in Words				Rupees One Crore Forty Lakh Twenty Thousand Eight Hundred & Seventy Six Only		

Chhaya Kumar.

Executive Engineer P.T.O.
Rural Works Department

Work Division, Goraipur
22/04/22