

भारतीय गैर न्यायिक INDIA NON JUDICIAL

एक हजार रुपये

रु.1000

ONE THOUSAND RUPEES

Rs.1000

INDIA

बिहार कोरांगार, पूर्वी चम्पारण
बिहार

26 JUL 2022

बिहार कोरांगार पदाधिकारी
पूर्वी चम्पारण, पोतिलारी

20 मी 210 210 210 - कलकत्ता कोरांगार

और सपुनहरी
कोरांगार
कोरांगार

AR 992262

प्रत्यक्षीकरण

मालगो बमों

सुनिश्चित
मिशन 2022, कोरांगार
कोरांगार

Supplementary Agreement Form

Agreement No:- 46MBD-2019-20 Dated:- 23. February, 2020 has been revised
This agreement, made the.....day of.....between
Executive Engineer RWD (W) Division Chakia of the one part, and M/S AVST
Construction PVT. Ltd. (Reg. No.1180161), At -259/D/4/ Ray Bahadur Road, Po-
Newalipore, Ps- Belaha Kolkatta-700053, West Bangal, Mob. No.9748094078
Whereas the Employer is desirous that the Contractor execute Construction of Road & CD
Works with Maintenance, Group No.- MR-N/19-20CHAKIA/11 के अधीन
Kalyanpur to Kesaria PWD Road via Rajpur village Road under MR (3054)
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.4850042=00 (Forty
eight Lakh fifty thousand forty two) only.

NOW THIS REVISED AGREEMENT WITNESSETH as follows:-

1. In this Revised Agreement, words and expression 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.
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.

AVST CONSTRUCTION PVT. LTD.

Vinodur Chaudhary

Signature

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल, चकोया

06.09.22

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 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 ready and construed as part of this Agreement viz.

- (i) Letter of Acceptance
- (ii) Notice to proceed with the works;
- (iii) Contractor's Bid
- (iv) Condition of Contract : General and Special
- (v) Condition Data
- (vi) Additional condition
- (vii) Drawings
- (viii) Bill of Quantities and
- (ix) Any other documents listed in the Contract Data as forming part of the Contract.

In witnessed 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 :-



कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल, प्रकीया
नरेश
06.09.21

Binding Signature of Employer

AVST CONSTRUCTION PVT. LTD.

Vinod K. Chandel
Director

Binding Signature of Contractor

BILL OF QUANTITY

Name of Road:-- Kalyanpur to Kesariya PWD Road via Rajpur Village

Block :- Kalyanpur

District:- East Champaran

Length of the Road:- 7.100 KM.

Sl No	Description	Unit	Quantity	Rate	Amount
1	2	3	4	5	6
1	Clearing 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	Ha	1.42	49496.70	70285.31
2	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 compacted to meet requirement of Table 300.2 with lead upto 1000 m as per Technical Specification Clause 303.1.	Cum	4178.00	176.75	738461.50
3	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 401, GRADING - II	Cum	241.57	2946.89	711880.22
5	WBM GRADING - III - 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.	Cum	664.85	3460.57	2300749.58
6	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.	Sqm	6809.63	40.98	279058.64
7	MIX SEAL SURFACING - Providing, laying and rolling of close-graded premix surfacing material of 20 mm thickness composed of 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.	Sqm	6809.63	198.90	1354435.41

AVBT CONSTRUCTION PVT. LTD.

Vendor's Check

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कर्म प्रमण्डल, चक्रिया

16/08/22

Superintending Engineer
Rural Works Department
Works Circle, Motihari

16/08/22

BILL OF QUANTITY

Name of Road:-- Kalyanpur to Kesariya PWD Road via Rajpur Village

Block :- Kalyanpur

District:- East Champaran

Length of the Road:- 7.100 KM.

Sl No	Description	Unit	Quantity	Rate	Amount
1	2	3	4	5	6
8	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.	Sqm	33700.88	13.89	468105.22
9	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 M25 (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, 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	Cum	270.00	7328.10	1978587.00
10	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.	Cum	704.80	10035.25	7072869.29
11	KM 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.	No.	6.00	2382.78	14296.68
12	200 M 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.	No.	30.00	641.34	19240.20

AVST CONSTRUCTION PVT. LTD.

Vinod Kumar Choudhary
Director

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल, चुक्रीया
नं. 221
06.05.22

Superintending Engineer
Rural Works Department
Works Circle, Mahabub

Ashwini

10/08/2022

BILL OF QUANTITY

Name of Road:-- Kalyanpur to Kesariya PWD Road via Rajpur Village

Block :- Kalyanpur

District:- East Champaran

Length of the Road:- 7.100 KM.

Sl No	Description	Unit	Quantity	Rate	Amount
1	2	3	4	5	6
13	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.	Sqm	13.63	12434.30	169504.38
14	600 mm equilateral & triangle - 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	Nos	26.00	3605.79	93750.54
15	600 mm circular - 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	Nos	4.00	4831.47	19325.88
16	600 mm x 450 mm rectangular - 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	Nos	8.00	4706.01	37648.08
17	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	Nos	100.00	491.29	49129.00

AVST CONSTRUCTION PVT. LTD.

Vinod Verma

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल, चकीया

16.09.22

Superintending Engineer
Rural Works Department
Works Circle, Muzaffarpur

Shingam
16/08/2022

BILL OF QUANTITY

Name of Road:-- Kalyanpur to Kesariya PWD Road via Rajpur Village

Block :- Kalyanpur

District:- East Champaran

Length of the Road:- 7.100 KM.

SI No	Description	Unit	Quantity	Rate	Amount
1	2	3	4	5	6
18	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	per cm height per letter	352.00	131.25	46200.00
19	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	Each	355.00	800.30	284106.50
20	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.	Sqm	1420.00	735.40	1044268.00
21	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.	Sqm	12.00	735.40	8824.80
22	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	No.	4.00	11142.09	44568.36
23	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	cum	5.78	5817.02	33622.38
24	Plastering with cement mortar (1:4) on brick work in sub-structure as per Technical Specifications	sqm	39.84	183.35	7304.66

AVST CONSTRUCTION PVT. LTD.

Vinod K. Choudhary

Director

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल, चकीया

नरेश
06-03-22

BILL OF QUANTITY

Name of Road:-- Kalyanpur to Kesariya PWD Road via Rajpur Village

Block :- Kalyanpur

District:- East Champaran

Length of the Road:- 7.100 KM.

Sl No	Description	Unit	Quantity	Rate	Amount
1	2	3	4	5	6
25	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	sqm	0.00	86.94	0.00
26	Earth work in excavation for foundation of structures upto 3.0 m depth as per drawing and technical specification clause 1104	cum	81.08	288.02	23352.66
27	Sand Filling In Foundation Trenches as per drawing and technical specification Clause 1108 - rate as per item No. 11.2 (I) of Chapter 11	cum	9.24	364.55	3368.44
28	Providing PCC Grade M15 for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203	cum	8.40	6211.38	52175.59
29	Providing Reinforced cement RCC GRADE M-25 concrete in box cell complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204.	cum	58.84	8137.01	478781.67
30	Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification Clause 1204.3.8 (Gravular Materials)	cum	29.28	2701.34	79095.24
31	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 614, 709, 1204.3.7	Each	56.00	103.10	5773.60
32	Providing and laying boulder apron for bed protection with stone boulders of minimum size and weight as per Table 1300.1, no fragment weighing less than 25 kg laid dry complete as per drawing and technical specifications Clause 1301.	cum	0.00	3204.38	0.00
33	Supplying, fitting and placing HYSD bar reinforcement (Fe 415) in substructure complete as per drawings and technical specification Clauses 1002, 1005, 1010 & 1202	MT	4.72	75463.36	356187.06
34	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	Cum	1.80	469.47	845.05

Approved

 Superintending Engineer
 Rural Works Department
 Works Circle, Muzaffarpur
 469.47 845.05

AVST CONSTRUCTION PVT. LTD.

Vinod K. Choudhary
 Director

सायमलक प्रमिता
 याचना कार्य विभाग
 कार्य प्रमण्डल, चुकीया
 नं २२
 ०८-०९-२२

Shiksha
 16/08/2022

BILL OF QUANTITY

Name of Road:-- Kalyanpur to Kesariya PWD Road via Rajpur Village

Block :- Kalyanpur

District:- East Champaran

Length of the Road:- 7.100 KM.

Sl No	Description	Unit	Quantity	Rate	Amount
1	2	3	4	5	6
35	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	Cum	51.99	337.46	17544.55
	ADD LABOUR CESS @ 1%	Rs.	1.00	178633.45	178633.45
	ADD GST @ 12%	Rs.	1.00	2143601.46	2143601.46
	Less 2.99% as per Agreement				-603549.00
	TOTAL OF CONSTRUCTION PART				19582031.39
36	1st Year Maintenance cost	YEAR	1.00	601833.00	601833.00
	2nd Year Maintenance cost	YEAR	1.00	1155597.00	1155597.00
	3rd Year Maintenance cost	YEAR	1.00	2474917.00	2474917.00
	4th Year Maintenance cost	YEAR	1.00	1716801.00	1716801.00
	5th Year Maintenance cost	YEAR	1.00	2897998.00	2897998.00
	ADD LABOUR CESS @ 1%	Rs.	1.00	88471.46	88471.46
	ADD GST @ 12%	Rs.	1.00	1061657.52	1061657.52
	Less 2.99% as per Agreement				-298919.00
	Total Maintenance Cost				9698355.98
	TOTAL OF PROJECT COST -				29280387.37

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल, चकरीया

Revised T.S. vide CE-3 letter no-1422df
05.08.22

Revised B.O.Q is approved for RS 292 80387.00
(Rupees Two Croore Ninety Two Lacks Eighty Thousand
Three Eighty seven only)

AVST CONSTRUCTION PVT. LTD.

Vinod K. Choudhary
Director

कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमण्डल, चकरीया

16-08-22

Superintending Engineer
Rural Works Department
Works Circle, Motihari

Ashirvan
16/08/2022