

Supplementary Agreement

Name of Road : Pach Damia Village to Ialgaanj Sarai Road
Scheme - SC)

Length :- 1.480 K.M

Name of Division :- R.W.D Works Division, Hajipur.

Name of Block :- Lalganj

Agreement No & Date :- 68 /SBD/ Sup/ ~~2022-23~~ 2020-21

Name and Address of Agency :- Sarvasiddhi Engicon Pvt. Ltd, Hajipur, Vaishali.

Construction Cost :- (Previous 87.407 + Revised Increase Amount- 6.49653) = 93.90353 Lakh

Maintenance Cost : (12.20709+ Revised increase Amount- 0.00 = 12.20709 Lakh)

Total :- 106.11062 Lakh

Agreement Value:- 106.11062 Lakh (one Crore Six Lac eleven Thousand sixty two) Only.

Performance Security Deposit :- 13000

Addl. Performance Grantee :- 0.00

Time required for Work :- 03 Month

Date of Start :- 30.12.2022

Date of Completion :- 29.03.2023

Total No. of Item :- 47

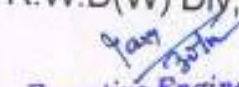
Agency


Division Accounts Officer
R.W.D (W) Div Hajipur

Executive Engineer
R.W.D(W) Div, Hajipur



Director 26.12.22


Executive Engineer
R.W.D. Works Division
Hajipur

	Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
				Figure	
		61.920	Sqm	90.450	5602.52
35.00	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				
36.00	CD Work Slab Culvert Cable Duct Across the Road :- Providing and laying of a reinforced cement concrete pipe duct 300 mm dia. across the road (new construction), extending from drain to drain in cuts and toe 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 pipe at least fall dia of pipe subject to minimum 450 mm in case of double and triple row duct to be above higher than ground level to prevent entry of water and dirt, all as per IRC : 98-1007	100.000	RM	863.373	86337.27
					10021476.00
Total Construction Cost :					1203177.180
37.00	12% GST on Construction Cost	1.000	No		100264.76
38.00	1% Labour Cess	1.000	No		127830.00
39.00	Signiorage fee				11452747.94
Total Construction Cost :					2062395.00
As Per Below 18%					9390352.94
Total Construction Cost :					59855.00
40.00	Maintainance for 1st year	1.000	Year		155801.00
41.00	Maintainance for 2nd year	1.000	Year		401413.00
42.00	Maintainance for 3rd year	1.000	Year		204542.00
43.00	Maintainance for 4th year	1.000	Year		443167.00
44.00	Maintainance for 5th year				1264878.00
Maintenance Cost :					151785.360
45.00	12% GST on Construction Cost	1.000	No		12648.780
46.00	1% Labour Cess	1.000	No		59358.200
47.00	Signiorage fee				1488670.34
Maintenance Cost :					267981.00
As Per Below 18%					1220709.34
Five Year Maintenance Cost :					10611062.28
Total Estimated Cost in Figures					1,06,11,062.00
Say Amount					
Quoted Rate in Words					

Executive Engineer
R.W.D. Works Division
Hajipur

Revised B.O.Q. approved for Rs. 1,06,11,062.00
Rupees One Crore Six lakh Eleven
Thousand Hundred Sixty two Only

Superintending Engineer
Rural Works Department
Work Circle: Muzaffarpur

SARVASIDDHI ENGINEERING PVT. LTD.

Signature of Tenderer
26.12.22

Executive Engineer
R.W.D. Works Division
Hajipur

	Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
				Figure	
23.00	Retro-reflectors Traffic Signs :- 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 below ground level as per drawings and Technical Specification Clause 801 600 mm circular	4.000	each	4928.120	19712.48
23.00	Retro-reflectors Traffic Signs :- 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 below ground level as per drawings and Technical Specification Clause 801 600 mm x 600 mm rectangular	6.000	each	6828.100	40968.60
24.00	Retro-reflectors Traffic Signs :- 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 below ground level as per drawings and Technical Specification Clause 801 900 mm side octagon, OR	4.000	each	8879.850	34719.40
25.00	Road Marking with Hot Applied Thermoplastic Compound with Reflectors Glass Beads on Bituminous Surface :- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectors 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.	234.000	Sqm	721.950	168936.30
26.00	Road Marking with Hot Applied Thermoplastic Compound with Reflectors Glass Beads on Concrete Surface :- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectors 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	721.950	44760.90
27.00	Planting of tree maintenance for one year Planting of tree by the road side (Avenue Tree) in 0.6 m dia holes, 1 m deep dug in the Ground Mixing the soil with decayed farm yard slug manure, planting the saplings back failing the trench, watering, fixing the tree guard & maintain the Plant for One Year. Plantation of Tree @20 m interval Both side, Per Km (1000/20) x 2 = 100 (Only in Open Area)	117.000	No.	837.698	98010.70
28.00	Dismantling of Cross Drainage Work Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of 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	2.450	Cum	497.810	1209.68
29.00	Dismantling of Cross Drainage Work Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of 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 Mortar	92.070	Cum	235.990	21728.68
30.00	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	15.000	RM	244.920	3673.80
31.00	CD Work HP Culvert Earth work in excavation for foundation on structures upto 3.0 m depth as per drawing and technical specification clause 1104	88.400	Cum	279.090	24850.65
32.00	Providing M15 (PCC 1:2:5) as levelling course in foundation :- Providing PCC M 15 (1:2:5) concrete for plain concrete in open foundations complete as per drawings and technical specifications clause 802, 803, 1202 & 1203	13.800	Cum	5356.250	73916.25
33.00	Plain/reinforced cement concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204 (M20)	101.220	Cum	6185.130	626058.88
34.00	Providing and laying RCC pipe NP-3 for culvert on first class bedding of PCC M10 material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works in head walls and parapets as per clause 1106 A) 1000 mm dia	22.500	M	3572.500	80381.25

SARVASIDDHI ENGINEERING PVT. LTD.

Signature of Tenderer

Director

26.12.22

Executive Engineer
R.W.D. Works Division
20/12/22
Majipur

	Description of work	No. or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
				Figure	
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.	4475.250	Sqm	13.880	62116.47
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.	4475.250	Sqm	202.842	907768.21
14.00	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 leveling 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	189.720	Cum	6988.830	1325920.83
15.00	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 soiling, watering and rolling the same with three wheel road roller 80-100 kN as per Technical Specification Clause 412	155.000	Sqm	427.720	66296.60
16.00	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)	3.000	each	2192.100	6576.30
17.00	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)	8.000	each	597.340	3584.04
18.00	(i) Providing and Fixing 'Logo' of MMGSY Project :- Providing and fixing of typical MMGSY informative 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 6mm. 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 tube 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	4.000	each	9503.750	38015.00
19.00	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	132.000	cm height per l	0.530	69.96
20.00	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	48.000	Nos	502.520	24120.96
21.00	Retro-reflectorised Traffic Signs :- Providing and fixing of retro-reflectorised cautionary, mandatory and informative 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 8 mm firmly fixed to the ground by means or properly designed foundation with M15 grade 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	6.000	each	3703.270	22219.62

SARVAKSHI ENGINEERING PVT. LTD.

Director

26.12.22

Executive Engineer
R.W.D. Works Division

30/12/22

Bidding Authority: CHIEF ENGINEER WORKS-I

Work: Construction of Road & CD Works of :- Pach Damla Village to Laiganj Sarai Road, Package No -0, CNCPL No. : 0, Link No. : 0, Length -1.48 Km.,
 Road - Laiganj, District -Vaishali, UNDER MMGSY, Construction Cost of Road - 349.944 Lacs & 5 Years Maintenance Cost - 12.648 Lacs

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	AMOUNT Rs. P
				Figure	
1.00	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. Benchmark Pillars 01 nos. per Km.	2.000	Nos	3883.320	7766.64
2.00	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. Reference Pillars 04 nos. per Km.	5.000	Nos	1784.260	8921.30
3.00	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	1.040	Hect	52970.330	55089.14
4.00	Box Cutting :- 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	32.700	Cum	75.570	2471.14
5.00	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 requirement of Tables 300.1 and 300.2 as per Technical Specification Clause 301.5	19.620	Cum	26.780	525.42
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 100 m as per Technical Specification Clause 301.5	212.010	Cum	143.310	30383.15
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 1000 m as per Technical Specification Clause 301.5	525.740	Cum	190.670	100190.27
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)	3742.240	Cum	192.040	718659.77
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 I Material)	1079.820	Cum	2949.290	3184702.33
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 pecking, 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.	508.280	Cum	3848.740	1948463.11
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	4475.250	Sqm	40.580	181650.40

Executive Engineer
 P.W.D. Works Division

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 and undertaking routine maintenance for five years, the Contract Price or such other sum as may become payable under 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 to 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 ;
- (vi) General Conditions of contract;
- (vii) Specifications;
- (viii) Drawings;
- (ix) Bill of Quantities; and
- (x) Any other documents listed in the Contract Data as forming part of the Contract.

In witness whereof the parties where to have caused the 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 -----

[Signature]
Executive Engineer
P.W.D. Works Division
30/12/22

[Signature]
SARVASIDDHI CHIT
26-12-22

[Signature]
Executive Engineer
P.W.D. Works Division
30/12/22

[Signature]
2.12.22

