## Supplementary Agreement

Name of Road

Harauli Sarai PMGSY Road to Noonpur Tinmuhani

Scheme - MMGSY SC )

Length

1.45 K.

MName of Division :-

R.W.D Works Division, Hajipur.

Name of Block

Hajipur

Agreement No & Date :-

67 /SBD/ Sup/ 2022-23- 2626-21

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

Construction Cost :- (Previous 84.07160 + Revised Increase Amount- 6.55568) =90.62728 Lakh

Maintenance Cost : (Previous 9.31272 + Revised increase Amount- 0.00 = 9.31272 Lakh)

Total

99.94000 Lakh

Agreement Value:- 99.94000 Lakh (Ninty Nine Lakh Ninty Four thusand) Only.

Performance Security Deposit :- 14000

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 :-

Agency

Division Accounts Officer

R.W.D (W) Div Hajipur

**Executive Engineer** 

R.W.D(W) Div, Hajipur

Executive Engineer W.D. Works Division 1100



This Supllementary agreement, made the 30 Dec 2022 between Executive Engineer, Rural Works Division, Hajipur of the one part and Sarvsiddhi Engicon Pvt. Ltd. At-Hajipur, Vaishali is desirous that the Contractor execute the Work Const of road from Harauli Sarai PMGSY Road to Noonpur Tinmuhani Scheme – MMGSY SC) and thereafter 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 therein at a cost of 99.94 Lakh (Nintynine Lac Ninty Four thousand) Only. NOW THIS AGREEMENT WITNESSETH as follows:

- In this 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.
- In consideration of the payments to be made by the Employer to the Contractor as hereinafter mention, 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 and undertaking routine maintenance for five years.

Executive Engineer
R. W.D. Works Division

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.

the Contract.		
<ol> <li>The following documents she Agreement viz.</li> </ol>	Il be deemed to form and be read to	construed as part of this
(i) Letter of Acceptance;		
(ii) Notice to proceed with the	works;	
(iii) Contractor's Bld;		
(iv) Contract Data;	H 0	
(v) Special Conditions of contra	act:	
(vi) General Conditions of contr	act:	
(vii) Specifications;		×:

(viii)

Drawings;

Was hereunto affixed in the presence of:

Signed, Sealed and Delivered by the said

Executive Engineer
R.W.D. Works Devision

Binding Signature of Employer

Binding Signature of Contractor

SARWASIDDHIEM TO THE SARWASIDHIEM TO THE SARWASIDHI

Executive Engineer

R.W.D. Works Division

Application

## अधीक्षण अभियंता का कार्यालय ग्रामीण कार्य विभाग, कार्य अंचल, मुजफ्फरपुर।

पत्रांक - 2242 काउँ

मुजा०/दिनांक:- 06/12/22

प्रेषक

अधीक्षण अभियंता, ग्रामीण कार्य विभाग, कार्य अंचल, मुजपफरपुर।

सेवा में

कार्यपालक अभियन्ता, ग्रामीण कार्य विभाग, कार्य प्रगंडल हाजीपुर।

विषय:-

शीर्ष MMGSY योजनान्तर्गत 02 पथों का एवं Nabard योजनान्तर्गत 01 पथ का पुनशिक्षत परिमाण-विपन्न अनुमोदन के संबंध में।

प्रसंग:-

आपका पत्रांक-2703 एवं 2704 अनु0 दिनांक-01.12.2022 |

सहस्राय,

उपर्युक्त विषयक आपके प्रासंगिक पत्र से प्राप्त शीर्ष MMGSY योजनान्तर्गत 02 पथों का एवं Nabard योजनान्तर्गत 01 पथ का पुनरीक्षित परिमाण–विषत्र अनुमोदनोंपरान्त आवश्यक कार्रवाई हेतु भेजी जा रही है—

SI: No	Block	Scheme	Name of Road	Length in Km	Revised BOQ Amount in Lakh
1	Hajipur	MMGSY	Harauli Sarai PMGSY Road to Noonpur Tinmuhani	1.450	99,94,000.0
2	Lalganj	MMGSY	Pach Damia Village to Lalganj Sarai Road	1.480	1,06,11,062.00
3	Vaishali	Nabard	Vaishali Road to Bhagwanpur Pandit Tola		89,50,000.00

अनु0:-यथोक्त।

विश्वासमाजन

अधीक्षण अभियंता ग्रामीण कार्य विभाग, कार्य अंचल

मुजपफरपुर ।

Executive Engineer R.W.D. Works Division Hajipur

10. 26 12.22

ALC: NO	CARRY	PARTIMETER	SEMPLEMENT !
Authority:	CHIEF	ENGINEER	WURRS-

Length -1.45 Km., Block -Hajipur , District -Valshali, UNDER MMGBY, Construction Cost of Road - 96.841 Lacs & 5 Years Maintenance Cost -Work: Construction of Road & CD Works of :- Harauli Baral PMGSY Road to Noonpur Timmuhani , Package No -0, CNCPL No.: 0, Link No.

Contract No: Civil Works:

Excess (+) Bidder Name:

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)

SI. No.	Description of work	No.or Qty.	Unit	Estimated Rate	Rs. P
VO.				Figure	
1.00	Providing & Fixing of Working benchmark/Refrence Pillars 01 nos.  Per km & 04 nos. Of reference pillars required for 1 Km as per drawings given and direction of E/I.	2.000	No.	4367.520	8735.0
2.00	Benchmark Pillers 01 nos per km.  Providing & Fixing of Working benchmark/Refrence Pillars 01 nos.  Per km & 04 nos. Of reference pillars required for 1 Km as per drawings given and direction of E/I.  Benchmark Pillers 04 nos per km.	7.000	No.	2002.000	14014.0
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 remov! 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	1.020	Hect	52970.330	54029.74
4.00	Box Cutting :- Excavation for roadway in soil using manual means	132.750	Cum	75.570	10031.92
	for carrying of cut earth to embankment site with a lift upto 1.5 m and lead upto 50 m as oer Technical Specification Clause 302.3	-	-		
5.00	Construction of embankment with approved material deposited from road way cutting and excavation from drain and foundation of other structures and excavated with an average lead of 100 m gmded and compacted to meet requirement of tables 300.1 and 300.2 as per technical specification clause 301.5 (Including Royality & Labour Cess).  60% QTY FROM EXCAVETED METARIAL FROM Box Cutting.	79.650	Cum	26.680	2125.06
6.00	Construction of Embankment with Material Obtained from Borrow Pits Construction of embankment with approved material obtained from borrow pits with a lift upto 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 upto 1000 m as per Technical Specification Clause 301.5 For 1000 m lead.	2551.540	Cum	190.360	* 485711.15
7.00	Construction of Embankment with Material Obtained from Borrow Pits  Construction of embankment with approved material obtained from borrow pits with a lift upto 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 upto 100 m as per Technical Specification Clause 301.5  For 100 m lead.	2926.020	Cum	158.350	453335.27

SARWASIDDHI ENGICON PVT. 57D. Director 26-12-22

Signature of Tenderer with seal

Executive Engineer R.W.D. Works Division

1 of 5

Construction of subgrade and earther shoulders with approved material obtained from bottom pits with all tits and leads, transportig to a five, spreading, prading to required slope and compacted to meet requirement of table 300 z with lead upto 1000 m as per Technical Specification Clause 203.4.1  Granular sub-base with Weil graded material (Table 400.1): Construction of girarel sub base by providing well graded material, spreading in uniform layers with tractor mounted grader arrangement on perspected surface, mixing by mix in place method with relavator at CMC, and compacting with smooth wheel rolet to achieve the desired density, complete as per Technical Specification Clause 401, (Fec Grading I Material)  10.00  IVBM Grading 3: Providing, laying, spreading and compacting specification including spreading in uniform thickness, hand packing, roling with smooth wheel rolet 60:100 kt in stages to proper grade and camber, applying and brooming, stone screening to fileup the intensices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.8:100 kt static role in stages to proper grade and camber, applying and brooming, stone screening to fileup the intensices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.  11.00  Prime Coat (Low Porosity): Providing and applying primer coat with bitumen emulsion (RS-1) on prepared surface of granular base including densing of road surface and spraying primer at the rate of Q-17-1.0 kptum using mechanical means as per Technical Specification Clause 405.  12.00  Take Coat Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of Q-25 to 0.30 kp per spray of the providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25 to 0.30 kp per spray to the prepared granular surfaces and practice and practice and practice and practice and practice and practic	1	Description of work	No.or Qty.	Unit	Estimate Rate Figure		MOUNT Rs. P
Granular sub-base with Well graded material (Table 400.1): Construction of gravel sub base by providing well graded materials, spreading in uniform layers with fractor mounted grader arrangement on prepared surface, mixing by mix in place method with rotavator at CMCs, and compacting with smooth wheel roller for achieve the desired density, complete as per Technical Specification Clause 401, for Grading I Materials  10.00 WRM Grading 3: Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam packing, rolling with amonth wheel roller 80-100 kH 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 kH 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 405.80-100 kH 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.  11.00 Prime Coat (Low Porosity): - Providing and applying primer coat with Bitumen emulsion (SE-1) on prepared surface of granular base including desiring of road surface and spraying primer at the rate of 0.25 to 0.30 kpp er grade and survival for the rate of 0.25 to 0.30 kpp er grade and survival for the rate of 0.25 to 0.30 kpp er grade and survival for the rate of 0.25 to 0.30 kpp er grade and survival for the required density and provided surface and survival provided surface and survival for the rate of 0.25 to 0.30 kpp er grade and survival for the rate of 0.25 to 0.30 kpp er grade and survival for the rate of 0.25 to 0.30 kpp er grade and survival for the rate of 0.25 to 0.30 kpp er grade surface grad	800	to site, spreading, grading to required slope and compacted to meet requirement of Table 300 2 with lead upto 1000 m, as per Technical	-	50 Cum	192.2	150	14404
stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kW in stages to proper grade and camber, applying and brooming, stone screening to fill-up the intersices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.80 -100 kM static roller in stages to proper grade and camber, applying and brooming, crushatels exceeding to fill-up the intersices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.  11.00 Prime Coat (Low Porosity):- Providing and applying primer to at with bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spexing primer at the rate of 0.70-1.0 kg/kgm using mechanical means as per Technical Specification Clause 502  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 sgm on the prepared granular surfaces treated with primer & cleaned with Hydraulic broom as per Technical Specification Clause 503.  13.00 Mix Seal Surfacing Type-8:- Providing, laying and rolling of close-graded premix surfacing material of 20 mm thickness composed of 11.2 mm to 0.9 mm (Type-4) or 13.2 mm to 0.9 mm (Type-8) aggregates using penetration grade bitumen to required level and grades as per Technical Specification Clause 509.  14.00 Cemert Concrete Pavement M30 Construction of un-reinforced, plain coment concrete pavement, hickness as per design, over a prepared sub base, with 43 grade coment or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS-333, 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 (shed channel, laying and fixing of 125 mic	900	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 retavator at OMC, and compacting with smooth wheel rollef to achieve the desired density, complete as per Technical	604.10	5 Cum	2924.6	20	1766778
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  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 sgm on the prepared granular surfaces treated with primer & cleaned with Hydraulic broom as per Technical Specification Clause 503.  13.00 Mix Seal Surfacing Type-8: - 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.  14.00 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 1501.22 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 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 shovets, rakes, compacted using needle, screed and plate vibrators and finished in conditioned	10.00	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	493.470	Cum	4180.21	C	2062808
Tack Coat :-Providing and applying tack coat with Bitumen emulsion (RS-1) using emutsion distributor at the rate of 0.25 to 0.30 kg per sign on the prepared granular surfaces treated with primer & cleaned with Hydraulic broom as per Technical Specification Clause 503.  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.  Bitumen (S-90)  14.00 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), apreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in complications.	11.00	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	3030.000	Sqm	41.030		124320.9
13.00 Mix Seal Surfacing Type-8 :- 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.  Bitumen (S-90)  14.00 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, companyled using needle, screed and plate vibrators and finished in continuous	12.00	Tack Coat: Previding 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	3030.000	Sqm	14.210	-	43056.30
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 shovets, rakes, compacted using needle, screed and plate vibrators and finished in continuous	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.	3030.000	Sqm	207.870		529846.10
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	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 shovets, 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	1	Cum	7608.020	29	96799.08

terre Stone  lorced cement concrete M15 grade kilometre stone/local stone andard design as per IRC 8 fixing in position including painting printing, etc as per drawing and Technical Specification Clause hary Kilometer Stone (Precast) forced cement concrete M15 grade kilometre stone/local stone andard design as per IRC 8 fixing in position including painting printing, etc as per drawing and Technical Specification Clause  and stone (precast) reviding and Fixing 'Logo' of MMGSY Project :- Providing and g of typical MMGSY informatory sign board with Logo as per RD specifications and drawing. Three MS Plates of 1.6 mm k top and middle plate duty welded with MS flat iron 25mm x 5m on back on edges. The lower plate will be welded with MS te iron frame of 25mm x 25mm x 5mm. The angle iron frame of lower most plate and flat iron frame of middle plate will be ded to 2 nos. 75mm x 75 mm of 12 SWG sheet tubes posts duly bedded in cement concrete M-15 grade blocks of 450mm x mm x 600mm, 600mm below ground level. The top most mond plate will be welded to middle plate by 47mm x 47mm of SWG steel plate tube. All M.S. will be stove enameled on both es. Lettering and printing arrows, border etc. will be painted with dy mixed synthetic enamel paint of superior quality in required de and colour. All sections of framed posts and steel tube will painted with primer and two coats of epoxy paint as per drawing use 1701 and Annexure 1700.1	2.000	each each	9828.330	3812 1 19656 6
served cement concrete M15 grade kilometre stone/local stone andard design as per IRC 8 fixing in position including painting printing, etc as per drawing and Technical Specification Clause hary Kilometer Stone (Precast) fixed cement concrete M15 grade kilometre stone/local stone andard design as per IRC 8 fixing in position including painting printing, etc as per drawing and Technical Specification Clause in stone (precast) froviding and Fixing 'Logo' of MMGSY Project :- Providing and g of typical MMGSY informatory sign board with Logo as per RD specifications and drawing. Three MS Plates of 1.6 mm is top and middle plate duty welded with MS flat iron 25mm x 5m on back on edges. The lower plate will be welded with MS le iron frame of 25mm x 25mm x 5mm. The angle iron frame of lower most plate and flat iron frame of middle plate will be ded to 2 nos. 75mm x 75 mm of 12 SWG sheet tubes posts duty ded on cement concrete M-15 grade blocks of 450mm x mond plate will be welded to middle plate by 47mm x 47mm of SWG steel plate tube. All M.S. will be stove enameled on both its. Lettering and printing arrows, border etc. will be painted with by mixed synthetic enamel paint of superior quality in required de and colour. All sections of framed posts and steel tube will painted with primer and two coats of epoxy paint as per drawing use 1701 and Annexure 1700.1	2,000	each	635,360	_
andard design as per IRC:8 fixing in position including painting printing, etc as per drawing and Technical Specification Clause in stone (precast)  mistone (precast)  reviding and Fixing 'Logo' of MMGSY Project: Providing and gof typical MMGSY informatory sign board with Logo as per RD specifications and drawing. Three MS Plates of 1.6 mm is, top and middle plate duly welded with MS flat iron 25mm x 5m on back on edges. The lower plate will be welded with MS le iron frame of 25mm x 25mm x 5mm. The angle iron frame of lower most plate and flat iron frame of middle plate will be ded to 2 nos. 75mm x 75 mm of 12 SWG sheet tubes posts duly ded to 2 nos. 75mm x 75 mm of 12 SWG sheet tubes posts duly be ded to 2 nos. 75mm x 75 mm of 12 SWG sheet tubes posts duly seed ded in cement concrete M-15 grade blocks of 450mm x mond plate will be welded to middle plate by 47mm x 47mm of SWG steel plate tube. All M.S. will be stove enameled on both the steel plate tube. All M.S. will be stove enameled on both the steel plate tube. All M.S. will be stove enameled on both by mixed synthetic enamel paint of superior quality in required de and colour. All sections of framed posts and steel tube will painted with primer and two coats of epoxy paint as per drawing use 1701 and Annexure 1700.1	2.000	- /	-	_
andard design as per IRC:8 fixing in position including parating printing, etc as per drawing and Technical Specification Clause 3.  In stone (precast)  Providing and Fixing 'Logo' of MMGSY Project :- Providing and g of typical MMGSY Informatory sign board with Logo as per RD specifications and drawing. Three MS Plates of 1,6 mm k, top and middle plate duly welded with MS flat iron 25mm x 5m on back on edges. The lower plate will be welded with MS le iron frame of 25mm x 25mm x 5mm. The angle iron frame of lower most plate and flat iron frame of middle plate will be ded to 2 nos. 75mm x 75 mm of 12 SWG sheet tubes posts duly be deded in cement concrete M-15 grade blocks of 450mm x mond plate will be welded to middle plate by 47mm x 47mm of SWG steel plate tube. All M.S. will be stove enameled on both its. Lettering and printing arrows, border etc. will be painted with dy mixed synthetic enamel paint of superior quality in required de and colour. All sections of framed posts and steel tube will painted with primer and two coats of epoxy paint as per drawing use 1701 and Annexure 1700.1	2.000	each	9828.330	19656.6
m stone (precast)  reviding and Fixing 'Logo' of MMGSY Project :- Providing and g of typical MMGSY informatory sign board with Logo as per RD specifications and drawing. Three MS Plates of 1.6 mm k, top and middle plate duty welded with MS flat iron 25mm x 5m on back on edges. The lower plate will be welded with MS le iron frame of 25mm x 25mm x 5mm. The angle iron frame of lower most plate and flat iron frame of middle plate will be ided to 2 nos. 75mm x 75 mm of 12 SWG sheet tubes posts duty dedded in cement concrete M-15 grade blocks of 450mm x mond plate will be welded to middle plate by 47mm x 47mm of SWG steel plate tube. All M.S. will be stove enameled on both its. Lettering and printing arrows, border etc. will be painted with dy mixed synthetic enamel paint of superior quality in required de and colour. All sections of framed posts and steel tube will painted with primer and two coats of epoxy paint as per drawing use 1701 and Annexure 1700.1		each	9828.330	19656.6
g of typical MMGSY Informatory sign board.  RD specifications and drawing. Three MS Plates of 1,6 mm k, top and middle plate duly welded with MS flat iron 25mm x 5m on back on edges. The lower plate will be welded with MS le iron frame of 25mm x 25mm x 5mm. The angle iron frame of lower most plate and flat iron frame of middle plate will be ded to 2 nos. 75mm x 75 mm of 12 SWG sheet tubes posts duly be deded in cement concrete M-15 grade blocks of 450mm x mm x 600mm, 600mm below ground level. The top most mond plate will be welded to middle plate by 47mm x 47mm of SWG steel plate tube. All M.S. will be stove enameled on both st. Lettering and printing arrows, border etc. will be painted with dy mixed synthetic enamel paint of superior quality in required de and colour. All sections of framed posts and steel tube will painted with primer and two coats of epoxy paint as per drawing use 1701 and Annexure 1700.1				
lower most plate and that iron trained to to 2 nos. 75mm x 75 mm of 12 SWG sheet tubes posts duly bedded in cement concrete M-15 grade blocks of 450mm x mm x 600mm, 600mm below ground level. The top most mond plate will be welded to middle plate by 47mm x 47mm of 5WG steel plate tube. All M.S. will be stove enameled on both ss. Lettering and printing arrows, border etc. will be painted with dy mixed synthetic enamel paint of superior quality in required de and colour. All sections of framed posts and steel tube will painted with primer and two coats of epoxy paint as per drawing use 1701 and Annexure 1700.1				
ran information Board As per Drawing informatory sign board			5100 000	9828.3
Call Hillyman	1,000	each	9828.330	9020.3
to Logo as per MORD specifications and distinguishes of 1.6 mm thick, top and middle plate duly welded with MS iron 25mm x 5m size on back on edges. The lower plate will be ded with MS angle iron frame of 25mm x 25mm x 5mm. The ple iron frame of the lower most plate and flat iron frame of idle plate will be welded to 2 nos. 75mm x 75 mm of 12 SWG left tubes posts duly embedded in cement concrete M-15 grade left tubes posts duly embedded in cement concrete M-15 grade left will be welded to 2 nos. 75mm x 75 mm of 12 SWG left tubes posts duly embedded in cement concrete M-15 grade left tubes of 450mm x 450mm x 600mm, 600mm below ground level.				
smeled on both sides. Lettering and primiting all the painted with ready mixed synthetic enamel paint of superior between the painted shade and colour. All sections of framed posts of steel tube will be painted with primer and two coats of epoxy int as per drawing Clause 1701 and Annexure 1700.1				9828.33
and with Logo as per MORD specifications and change. The i Plates of 1.8 mm thick, top and middle plate duly welded with if at iron 25mm x 5m size on back on edges. The lower plate will welded with MS angle iron frame of 25mm x 25mm x 5mm. The gle iron frame of the lower most plate and flat iron frame of didle plate will be welded to 2 nos. 75mm x 75 mm of 12 SWG set tubes posts duly embedded in cement concrete M-15 grade cks of 450mm x 450mm x 600mm, 600mm below ground level, e top most diamond plate will be welded to middle plate by 47mm 47mm of 12 SWG steel plate tube. All M.S. will be stove ameled on both sides. Lettering and printing arrows, border etc. to be painted with ready mixed synthetic enamel paint of superior ality in required shade and colour. All sections of framed posts to the latter will be painted with primer and two coats of epoxy	1,000	each	9626.330	2020.50
d figures of any shade with synthetic enamel paint clack or any ser approved colour to give an even shade as per drawings and	132.000	height pe	3540	71.28
A RESIDENCE OF STREET	iron 25mm x 5m size on back on edges. The lower past with the ded with MS angle iron frame of 25mm x 25mm x 5mm. The pile iron frame of the lower most plate and flat iron frame of dide plate will be welded to 2 nos. 75mm x 75 mm of 12 SWG set tubes posts duly embedded in cement concrete M-15 grade cks of 450mm x 450mm x 600mm, 600mm below ground level, the properties of the properties of the past of the properties of the past of the properties of the past of	iron 25mm x 5m size on back on edges. The barm x 5mm. The job iron frame of the lower most plate and flat iron frame of ple iron frame of the lower most plate and flat iron frame of ple trubes posts duly embedded in cement concrete M-15 grade cks of 450mm x 450mm x 600mm, 600mm below ground level, a low most diamond plate will be welded to middle plate by 47mm at 7mm of 12 SW/G steel plate tube. All M.S. will be stove timeled on both sides. Lettering and printing arrows, border etc. It is painted with ready mixed synthetic enamel paint of superior ality in required shade and colour. All sections of framed posts of steel tube will be painted with primer and two coats of epoxy int as per drawing Clause 1701 and Annexure 1700.1  The eyear Maintenance Board As per Drawing informatory sign and with Logo as per MORD specifications and drawing. Three is plate tube will be painted with most plate and flat iron frame of the lower most plate and flat iron frame of the lower most plate and flat iron frame of dide plate will be welded to 2 nos. 75mm x 75 mm of 12 SW/G seet tubes posts duly embedded in cement concrete M-15 grade toks of 450mm x 450mm x 600mm, 600mm below ground level, at the plate tube will be welded to 2 nos. 75mm x 75 mm of 12 SW/G seet tubes posts duly embedded in cement concrete M-15 grade toks of 450mm x 450mm x 450mm x 600mm, 600mm below ground level, at the planted with ready mixed synthetic enamel paint of superior alty in required shade and colour. All sections of framed posts did steel tube will be painted with primer and two coats of epoxy int as per drawing Clause 1701 and Annexure 1700.1  Execution of the primer and two coats of epoxy are approved colour to give an even shade as per drawings and chnical Specification Clause 1701  Execution of the primer and two coats of epoxy are approved colour to give an even shade as per drawings and chnical Specification Clause 1701	iron 25mm x 5m size on back on edges. 75mm x 25mm x 5mm. The ided with MS angle iron frame of 25mm x 25mm x 25mm x 25mm of 12 SWG ide plate will be welded to 2 nos. 75mm x 75 mm of 12 SWG ide plate will be welded to 2 nos. 75mm x 75 mm of 12 SWG ide plate will be welded in cement concrete M-15 grade cks of 450mm x 450mm x 650mm, 600mm below ground level. It is provided in cement concrete M-15 grade cks of 450mm x 450mm x 650mm, 600mm below ground level. It is provided in cement concrete M-15 grade cks of 450mm x 450mm x 650mm, 600mm below ground level. It is provided in cement paint of superior ality in required shade and colour. All sections of framed posts of steel tube will be painted with primer and two coats of epoxy int as per drawing Clause 1701 and Annexure 1700.1  The year Maintenance Board As per Drawing informatory sign and with Logo as per MORD specifications and drawing. Three is plates of 1.6 mm thick, top and middle plate duly welded with 6 flat iron 25mm x 5m size on back on edges. The lower plate will welded with MS angle iron frame of 25mm x 25mm x 5mm. The gle Iron frame of the lower most plate and flat iron frame of didle plate will be welded to 2 nos. 75mm x 75 mm of 12 SWG est tubes posts duly embedded in cement concrete M-15 grade cks of 450mm x 450mm x 600mm, 600mm below ground level. It is provided to the store ameliad on both sides. Lettering and printing amows, border etc. It be painted with ready mixed synthetic enamel paint of superior ality in required shade and colour. All sections of framed posts distent tube will be palated with primer and two coats of epoxy int as per drawing Clause 1701 and Annexure 1700.1  The painted with ready mixed synthetic enamel paint black or any ter approved colour to give an even shade as per drawings and chnical Specification Clause 1701  This per drawing Clause 1701 and Annexure 1700.1	iron 25mm x 5m size on back on edges. The man of 25mm x 25mm x 5mm. The ided with MS angle iron frame of 25mm x 75 mm of 12 SWG size by a size plate tubes posts duly embedded in cement concrete M-15 grade close of 450mm x 450mm x 600mm, 600mm below ground level, by prost diamond plate will be welded to middle plate by 47mm 47mm of 12 SWG size plate tube. All MS. will be slove smeled on both sides. Lettering and printing arrows, border etc. the painted with ready mixed symhetic enamel paint of superior ality in required shade and colour. All sections of framed posts of steel tube will be painted with primer and two coats of epoxy int as per drawing Clause 1701 and Annexure 1700.1  The year Maintenance Board As per Drawing informatory sign and with Logo as per MORD specifications and drawing. Three is part of 1.6 mm thick, top and middle plate duly welded with flat iron 25mm x 5m size on back on edges. The lower plate will welded with MS angle iron frame of 25mm x 25mm x 25mm x 75mm. The gle iron frame of the lower most plate and flat iron frame of dide plate will be welded to 2 nos. 75mm x 75 mm of 12 SWG set tubes posts duly embedded in cement concrete M-15 grade close of 450mm x 450mm x 600mm, 600mm below ground level, et op most diamond plate will be welded to middle plate by 47mm 47mm of 12 SWG steel plate tube. All MS. will be slove ameled on both sides. Lettering and printing arrows, border etc. the painted with ready mixed synthetic enamel paint of superior ality in required shade and colour. All sections of framed posts discell tube will be painted with primer and two coats of epoxy int as per drawing Clause 1701 and Annexure 1700.1  Lincutive: Engineer  The provision Clause 1701 and Annexure 1700.1  Lincutive: Engineer

1	Description of work	No.or Qty.	Unit	Estimated Rate	Rs. P
/		6298		Figure	21067.20
21.00	Reinforced cement concrete M15 grade kilometre stonefocal stone	40.000	each	525,680	21007.20
	of standard design as per IRC 25 fixing in position including finishing and lettering but excluding painting as per drawing and				22044.02
	Technical Specification Clause 1703.  Providing and fixing of semi reflective cautionary mandatory and	6.000	No.	3575.320	22051.92
200	informatory sign board as per IRC-67 made of 1.5 mm thick M5 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 refletive tape engineering grade as per cluse 1701.3.9 of MORD for rural road of required shade and colour supported and weided on 47mm x 47mm x 12swg sheet tube firmly fixed to the ground by mean of properly designed foundation with M15 grade cement concrete 450 x 450 x 600 mm, 600 mm below ground level as per approved drawing clause 1701.2.2.		_		
	600 mm equilateral tringle.		No	4855.630	19422 5
23.00	Providing and fixing of semi reflective cautionary mandatory and informatory sign board as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over aluminism sheeting. 1.5 mm thick supported on a mild steel angle iron post 75mm x 75mm x 6mm firmly fixed to the ground by means of property 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 801 600 mm Circular	4.000	No.		20059.53
	Providing and fixing of semi reflective cautionary mandatory and	3.000	No.	6686.510	20059.53
24.00	providing and toking of semi-fellowing informatory sign board as per IRC:67 made of encapsulated lens informatory sign board as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over aluminium type reflective sheeting vide Clause 1701.2.3 fixed over aluminium type reflective sheeting. 1.5 mm thick supported on a mild steel angle iron post 75mm x 75mm x 6mm firmly fixed to the ground by means of property 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 801 800 mm x 600 mm rectangular	_			
		60.000	each	844.590	50675.40
5.00	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/studge manure, planting the saplings, backfilling the trench, wetering, fixing the tree guard and maintaining the plants for one		_		
26.00	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous 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	160.000	Sqm	721.950	115512.00
	etreaks and holes	130.000	Sqm	821.610	106809.30
27.00	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.		1	1	. /
8.00	Providing and laying of a reinforced cement concrete pipe duct 300	75.000	RM	869.905	65242.88
	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 waits at both ends, providing a minimum fill of granular material over top and sides of RCC pipe as per IRC:98 -1997, bedded on a 0.3 m thick layer of granular material free of rock pieces, outer to outer distance of pipe at least half dia of pipe subject to minimum 450 mm in case of double and triple row ducts, joints to be made leak proof, invert level of duct to be above higher than ground level to prevent entry of water and dirt, all as per IRC:			1	

SASWASIDORI ENGROW TVT. 4.2. Signature of Tenderer with seal

Executive Engineer
R.W.D. Works Division
Tollwood

The piper

1	Description of work	No.or Qty.	Unit	Estimated Rate	AMOUNT Rs. P
1				Figure	
29.00	Earth work in excavation of foundation of structures as per drawing	46.980	Cum	305.420	14348.6
	and technical specification Clause 1104, including setting out, construction of shoring and bracing, removel of slumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material.		-		1
30.00	Providing M15 (PCC 1:2.5:5) as levelling course in foundation >	8.550	Cum	5936.130	50753.9
	Providing PCC M 15 (1:2.5.5) concrete for plain concrete in open foundations complete as per srawings and technical specifications Clause 802, 803, 1202 & 1203.  PCC Grade M-15	/	/	/	
31.00	Plain/Reinforced cement concrete (M-20) i substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806,	45.510	Cum	6858 140	312113.9
	807, 1202 & 1204.	22.500	Rm	1040.400	23409.0
32.00	Providing and laying RCC pipe NP-3 for culverts on first class bedding of PCC M 10 material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling concrete and masonary works in head walls and parapets	/		-	
	as per clause 1106 (600 mm Dia HP Culvert)			100.760	3772.4
33.00	Painting Tun Costs on New Concrete Surfaces	37.440	Sqm	100,100	_
	Painting two coats including primer coat after filling the surface with sythetic enamel paint in all shades on new, plastered / concete surfaces as per drawing and Technical Specification Clause 1701	-	-	497.810	298.6
34.00	Dismonthing of Coppe Designate Work	0.600	Cum	497.810	2300
	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.	17.330	Cum	235.980	4089.5
35.00	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.  Removing all types of Hume pipes and stacking including Earthwork	5.000	RM	181.130	905.6
36.00	and Dismantling of Masonry works as per Technical Specification Clause 202 Upto 600 mm to 900 mm dia Hume pipe	/	_		9684028.
Total Construc	tion Cost :	4.000	No. I	1162090.620	1162090.63
37.00	12% GST on Construction Cost	1.000	No.	96840.890	96840.89
38.00	1% Labour Cess	1.000	No.		110201.53
39.00	Signiorage fee	1.000	No.	110201.530	
Total Construc	tion Cost :		- 11	053222·0	1989580.00
Total Construct			- "		9061641.54
40.00	Maintainance for 1st year	1,000	Year	43594.00	43594.00
41.00	Maintainance for 2nd year	1.000	Year	96720.00	96720.00
42.00	Maintainance for 3rd year .	1.000	Year	344292.00	344292.00
43.00	Maintainance for 4th year	1.000	Year	136066.00	136066.00
44.00	Maintainance for 5th year	1.000	Year	376562.00	376562.00
ive Year Maint					997234.00
37.00	12% GST on Construction Cost	1.000	No.	119668.080	119668.08
		1.000	No.	9972.340	9972.34
38.00	1% Labour Cess	1.000	No.	8828.830	8828.83
39.00	Signiorage ree	1.000	no.	0020.000	
ive Year Mainte	As Per Below 18%				1135703.25 204427.00
ive Year Mainte	WAR OF THE PROPERTY OF THE PRO	17000			931276.25
otal Estimated	Cost in Figures	9.	9,94,9	1800	9992917.79
ay Amount		597	1 4	Jan XIV	99,92,918.00
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	enderer Bir 2012 20 12 22 3d Wiet Quick	42	h-1		Manager State of