

Schedule -A		
NAME OF WORK : Formation of 3rd Main road (From Ch 0+000 to 0+530) including Water Distribution line and Street light arrangements in 1st, 2nd & 3rd Main roads in De-notified SEZ area at SIPCOT Industrial Park, Irungattukottai		
Section	Description of work	Amount (Rs.)
I	Road Work	
II	Construction of Double Cell Box Culvert (2.00x2.00x2.00) at Km 0+400	
III	Providing D.I. Distribution Water line to 1st, 2nd & 3rd Main road in the De-notified SEZ area	
IV	Providing Street Light Arrangements to 1st, 2nd & 3rd Main road in the De-notified SEZ area	
V	Providing Lane Marking, Road studs and Road safety measures at Km 0/0 - 0/530	
	Sub Total	
	GST 18% on Sub Total	
	GRAND TOTAL	
(Rupees_____only)		

No of corrections:
No of overwrittings:

CONTRACTOR

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I. Road Work						
Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
1	6780.00 Sqm (Six Thousand Seven Hundred and Eighty Square metre only)	Clearing Light Jungle : Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, up to a lead of 1000 metres including removal and disposal of top organic soil not exceeding 150 mm in thickness etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 Sqm (One Square metre)	
2	773.00 Cum (Seven Hundred and Seventy Three Cubic metre only)	Earth work excavation for cutting work in all class of soils such as hard stiff clay, stiff black cotton soil, etc., as per SS20-B (HGS SS.20B) and deposing the same to the road side as directed by Engineer in charge etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 Cum (One Cubic metre)	

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No of overwrittings:

Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
3	6590.00 Cum (Six Thousand Five Hundred and Ninety Cubic metre Only)	Forming embankment by conveying earth from borrowed area outside the complex with a lead of 20km having CBR value not less then 8% which has to be compacted properly and form a stable embankment including cost , loading and unloading and labour for proper setting out, stripping and storing the top soil, if necessary compacting the original ground by vibratory roller to have a relative compaction of required proctor density, spreading the materials uniformly over the entire width of embankment in layers of not exceeding 250 mm compacted thickness, breaking clods, watering with all leads for water, compacting to 95% proctor density for the soil below the top of 0.5 meter height of subgrade under optimum moisture content with moisture content adjusted in the range of one per cent (1 %) above and two percent (2%) below the optimum moisture content determined as per IS. 2720 (Part VII) with power roller rolling and other construction equipments approved by engineer-in-charge and finishing the embankment at 95% proctor density including compaction to specified requirement, working in narrow width of embankment including hire and fuel charges for all tools and plants and all other incidental charges etc. Complete as per MORTH standard specification for road embankment with a lead of 20 Km (Forming Embankment at 95% Compaction) and as directed by SIPCOT Officers.			1 Cum (One Cubic metre)	
4	2756.00 Cum (Two Thousand Seven Hundred and Fifty Six Cubic metre Only)	Forming the Sub grade with carted earth having minimum CBR of 8% with a initial lead of 20 Km including conveyance, laying, watering and consolidation etc., complete complying with standard specifications and as directed by SIPCOT Officers as per MORTH Specification clause No.111, 112, 305, 900.			1 Cum (One Cubic metre)	

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
5	1142.00 Cum (One Thousand One Hundred and Fourty Two Cubic metre Only)	Construction of Granular Sub - Base (GSB) to the required compacted thickness (Drainage layer) by providing approved Coarse graded material conforming to Grading- V of Table 400 - 1 and satisfying the physical requirement for material for GSB as per Table 400 - 2 of MORTH Rev.-5 including screening, spreading in uniform layers with motor grader on prepared surface, watering and premixing by mix in place method with rotavator at OMC, and compacting with Vibratory roller 80 to 100 KN static weight to achieve the desired density and fine dressing to required grade and cross slope as directed by the SIPCOT officers etc., complete including obtaining and transporting all materials from approved quarry site to work site with all lift and lead by mechanical transport, head load or any other mode of transporation including cost and conveyance of all materials, labour charges,hire charges and fuel charges for loader, water tanker with sprinkler,motor grader, vibratory road rollers and all other equipments, tools and plants, safety measures, testing required including all other incidental charges, etc., complete as per the standard specification as per clause 401 of MORTH Rev.-5 and as directed by the SIPCOT officers.			1 Cum (One Cubic metre)	

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
6	1028.00 Cum (One Thousand Twenty Eight Cubic metre Only)	Providing and laying, spreading and compacting graded stone aggreates to Wet Mix Macadam Base Course of 250mm compacted thickness specification in two layers of 150mm thick each or else as specified on the prepared sub base by providing approved Coarse graded material conforming to Table 400 - 13 and satisfying the physical requirement for material for WMM as per Table 400 - 12 of MORTH Rev.-5, including pre-mixing the materials with water at OMC in mechanical mix plant carriage of mixed matrerial by tipper to site laying in uniform layers with favours in subbase/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density including cost of material, labour charges, rental for machinery, fuel and all other incidental charges etc., complete as per clause 406 of MORTH Rev.-5 and as directed by SIPCOT Officers.			1 Cum (One Cubic metre)	
7	4109.00 Sqm (Four Thousand One Hundred and Nine Square Metre Only)	Providing and laying Prime coat over wet mix macadam surface using 7.00 Kg bitumen(SS1) for 10 sqm area including cost and conveyance of bitumen binder including labour charges for preparing the surface and applying the required quantity as tack coat by bitumen sprayer etc.complete as per clause 502 of MORT & H specifications etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 Sqm (One Square metre)	
8	4109.00 Sqm (Four Thousand One Hundred and Nine Square Metre Only)	Providing and laying Tack coat over treated wet mix macadam surface using 2.50 Kg(RS1) bitumen emulsion to cut back for 10 sqm area including cost and conveyance of bitumen binder including labour charges for preparing the surface and applying the required quantity as tack coat by bitumen sprayer and complete as per clause 503 of MORT & H specifications etc.,complete complying with standard specifications and as directed by SIPCOT Officers. (Over WMM)			1 Sqm (One Square metre)	

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
9	206.00 Cum (Two Hundred and Six Cubic metre Only)	Providing and laying to 50mm thickness Dense Bituminous Macadam using 0.24 cum of 26.50 -13.20 mm IRC size graded metal 0.25 cum of 13.20 - 2.36mm IRC graded metal and 0.23 cum of 2.36mm and below IRC size HBG metal with 53.20 kg of VG30 bitumen for premixing for 10 Sq.meter includin cost and conveyance of all materials to CMP site including cost and conveyance of bitumen and other materilas to CMP site heating the bitumen and aggregates to required temperature and mixing them in required temperature in central hoti mix plant 20-30 tonnes capacity, conveying the mix by tipper trucks to paver site, spreading the mix in required temperature for uniform thickness of 50 mm with mechanical paver to the specified grades and cross sections and compaction by vibratory Pneumatic Roller to the required density etc., including labour charges for loading the bitumen in bitumen tank and metal to feeder unit, labour for attending to paver site etc., including hire,fuel charges for 20-30 tonnes capacity CMP unit bitumen boiler, tipper ttrucks, paver finisher/9 m paver finisher, vibratary/Pneumatic Roller, and al other tools & plants required including fuel and all other incidental charges etc., complete asper specification using CMP as per clause 505 MORTH REV. V Specification and complete complying with standard specifications and as directed by SIPCOT Officers.			1 Cum (One Cubic metre)	
10	4109.00 Sqm (Four Thousand One Hundred and Nine Square Metre Only)	Providing and laying Tack coat over treated Dense macadam surface using 2.00 Kg bitumen emulsion (RS1) to cut back for 10 sqm area including cost and conveyance of bitumen binder including labour charges for preparing the surface and applying the required quantity as tack coat by bitumen sprayer and complete as per clause 503 of MORT & H specifications etc., complete complying with standard specifications and as directed by SIPCOT Officers. (Over DBM)			1 Sqm (One Square metre)	

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
11	124.00 Cum (One Hundred and Twenty Four Cubic metre Only)	Providing and laying 30mm compacted thickness Bituminous Concrete using 0.13 cum of 19.0 - 9.5 mm graded IRC size HBG metal 0.17 cum of 9.5-2.36mm IRC graded metal and 0.26 Cum. of 2.36 mm and below size graded metal with 50.30 of bitumen grade VG 30 confirming to IS 73 for pre mixing for 10 Sq. meter and using materials as per table 500 - 17 and staifying the physical requirement for material for course aggregates for BC as per table 500 - 16 of MORTH REV. V including cost and conveyance of all materials to CMP site , heating the bitumen andaggregates to required temperature and mixing them in required temperature in central hot mix plant 20-30 tonnes capacity, conveyin the mix by tipper trucks to paver site spreading the mix in required temperature for uniform thickness of 30mm with mechanical paver to the specified grades and cross sections and consolidation 80-100 kn vibratory/Pneumatic road roller to the required density etc., includinglabour charges for loading the bitumen in bitumen tank and metal to feeder unit, labour for attending to paver site etc., including hire, fuel charges for 20-30 tonnes capacity CMP unit bitumen boiler, tipper trucks, paver finaisher/9 m paver finisher /Vibratory/Pneumatice road roller, and all other tools and plants requried, including fuel and all other incidental charges etc., complete as per specification using CMPP as per clause 507 OF MORTH REV. specification and as directed by SIPCOT Officer.			1 Cum (One Cubic metre)	
		Section I - 11 Items (Eleven Items only)			Sub Total-I	

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
II. Construction of Double Cell Box Culvert (2.00x2.00x2.00) at Km 0+400						
1	22.87 Cum (Twenty Two Point Eight Seven Cubic metre Only)	Earthwork excavation in all classes of soil except soft rock not requiring blasting and hard rock requiring blasting and depositing on bank with all leads and lifts as per SS20B, including cost of all labour, equipments and all incidental charges such as baling our water, providing and maintaining necessary cofferdams, sheeting, shoring bracing and their subsequent removal, removal of all logs, stumps, grubs and other deleterious matter and obstructions, trimming bottom of excavation backfilling, and clearing the site and disposal of all surplus materials etc., complete as per relevant standard specification for foundation and as directed by SIPCOT Officers.			1 Cum (One Cubic metre)	
2	14.90 Cum (Fourteen Point Nine Zero Cubic metre Only)	Vibrated Cement concrete in M 15 using 40mm ISS HBG metal including cost and conveyance of all materials to site and cost of cement at site including soft water, labour charges for mixing, transporting, laying and curing concrete, tools and plants and incidental charges as baling out water, maintaining of protective bunds, cofferdams, shorting, strutting etc., complete as per relevant standard specification for foundation and as directed by SIPCOT Officers.			1 Cum (One Cubic metre)	
3	88.16 Cum (Eighty Eight Point One Six Cubic metre Only)	Vibrated Reinforced Cement concrete in M 25 using ISS graded HBG metal including cost and conveyance of all materials to site and cost of cement at site including soft water, labour charges for form work, centering, mixing, transporting, laying and curing concrete, tools and plants and incidental charges excluding cost of steel etc., complete as per relevant standard specification for CELL BOX and as directed by SIPCOT Officers.			1 Cum (One Cubic metre)	

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
4	6.02 MT (Six Point Zero Two Metric Ton Only)	Supply and fabrication of Fe – 500 steel with high strength corrosion resistant rebar (TMT Her Grade M) required for all RCC items of works involved in the schedule cost of steel at site fabrication, labour charges for cleaning the rods straightening, cutting, bending, tying grills, including overlapping to the required length whenever necessary and placing the reinforcement in position as specified in the drawings, including cost of binding wire, provision of spacer bars, cover blocks and all other incidental charges etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 MT (One Metric Ton)	
5	4.00 Nos (Four Numbers Only)	Providing and fixing of G.I. Drainage spouts 100mm dia as per MOST drawing No.SD/205 with grating arrangements at top as shown in the drawing including cost and conveyance of GI pipes and flats and fixing them in position etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 No (Each)	
6	55.94 Sqm (Fifty Five Point Nine Four Square Metre Only)	Vibrated Cement Concrete of grade M30 (Design Mix) using 25mm, 11.2mm,6mm IRC Graded HBGS Jelly including cost and conveyance of all materials to site and cost of cement at site including cost of formwork, soft water, labour charges for mixing, transporting, laying and curing concrete, and incidental charges such as paling out water, complete as per relevant standard specification, wearing coat of 75mm uniform thickness over deck slab and approach slab and as directed by SIPCOT Officers.			1 Sqm (One Square metre)	

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
7	43.63 Cum (Fourty Three Point Six Three Cubic metre Only)	Vibrated cement concrete of grade M20 using 40mm ISS HBG metal including cost and conveyance of all materials to site including cost of cement at site including cost of form work, soft water, labour charges for mixing transporting, laying, and curing concrete, working at depths, tools and plants and maintaining of protective bunds, cofferdams, shoring, strutting, etc, complete as per relevent standard specifications for Wings walls, & parapet wall and as directed by SIPCOT Officers.			1 Cum (One Cubic metre)	
		Section II - 7 Items (Seven Items only)			Sub Total-II	
III. Providing D.I. Distribution Water line to 1st, 2nd & 3rd Main road in the De-notified SEZ area						
1		Supplying and delivering of Ductile Iron Socket/Spigot pipes for class K7 pipe as IS 8329/2000 and amended from time to time for the following sizes of pipes etc., complete complying with standard specifications and as directed by SIPCOT Officers.				
a	600.00 Rm (Six Hundred Running Metre Only)	200mm dia D.I Pipes			1 Rm (One Running Metre)	
b	1600.00 Rm (One Thousand Six Hundred Running Metre Only)	100 mm dia D.I Pipes			1 Rm (One Running Metre)	

No of corrections:
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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
2		Earth work excavation and depositng on bank within an initial lead of 10 m and initial lift 0 to 2 m in Hard stiff clay, stiff block cotton, hard red earth, shales, murram, gravel, stoney earth and earth mixed with small size boulders for laying pipeline in respect of following size of pipe with standard trench width and required depth including shoring, struting, balling out water wherever necessary and all other incidental works such as barricading, providing danger lights, labour for watch and ward etc., complete complying with standard specifications and as directed by SIPCOT Officers.				
a	600.00 Rm (Six Hundred Running Metre Only)	200mm dia D.I Pipes			1 Rm (One Running Metre)	
b	1600.00 Rm (One Thousand Six Hundred Running Metre Only)	100 mm dia D.I Pipes			1 Rm (One Running Metre)	
3		Lowering of D.I Pipes and specials in the trenches and laying to proper grade and alignment etc., complete complying with standard specifications and as directed by SIPCOT Officers.				
a	600.00 Rm (Six Hundred Running Metre Only)	200mm dia D.I Pipes			1 Rm (One Running Metre)	
b	1600.00 Rm (One Thousand Six Hundred Running Metre Only)	100 mm dia D.I Pipes			1 Rm (One Running Metre)	

No of corrections:
No of overwrittings:

Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
4		Jointing C.I/ D.I-S/S pipes and specials with rubber gaskets (tyton joint) including cost of lubricants. (including cost of jointing materials) etc., complete complying with standard specifications and as directed by SIPCOT Officers.				
a	115.00 Nos (One Hundred and Fifteen Numbers Only)	200mm dia D.I Pipes			1 No (Each)	
b	300.00 Nos (Three Hundred Numbers Only)	100 mm dia D.I Pipes			1 No (Each)	
5		Supply and delivery of follwing DI specials at site suitable for distribution main confirming IS standards etc., complete complying with standard specifications and as directed by SIPCOT Officers.				
a	90.00 Kg (Ninety Kilogram Only)	200 mm x 100 mm - Tee Joint			1 Kg (One Kilogram)	
b	54.00 Kg (Fifty Four Kilogram Only)	Flanged socket 100mm			1 Kg (One Kilogram)	
c	18.00 Kg (Eighteen Kilogram Only)	100 mm End caps			1 Kg (One Kilogram)	
d	64.00 Kg (Sixty Four Kilogram Only)	200 mm D/s Bend			1 Kg (One Kilogram)	
e	27.00 Kg (Twenty Seven Kilogram Only)	200 mm Tee			1 Kg (One Kilogram)	
f	39.00 Kg (Thirty Nine Kilogram Only)	200mm x 80mm Flange socket TEE			1 Kg (One Kilogram)	

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
6		Supply, delivery and fixing of follwing sizes of Sluice valves, Scour valves and air valves as per standard specification including necessary pipes, specials and other jointing materials etc., complete complying with standard specifications and as directed by SIPCOT Officers.				
a		CI D/F SLUICE VALVE WITH CAP/ WHEEL				
i)	3.00 Nos (Three Numbers Only)	100 mm			1 No (Each)	
ii)	1.00 No (One Number Only)	200 mm			1 No (Each)	
b		C.I. DOUBLE AIR VALVE				
i)	1.00 No (One Number Only)	50 mm			1 No (Each)	
ii)	1.00 No (One Number Only)	80 mm			1 No (Each)	
7		Testing of M.S. / C.I. / D.I / P.V.C. / H.D.P.E /pipes with hydraulic testing equipment by filling with water (including cost of water @ Rs. 60/KL) and testing to recommended pressure in convenient stretches and attending the bursts if any occured during the test, excluding the cost of pipes but including other incidental and operational charges etc., complete complying with standard specifications and as directed by SIPCOT Officers.				
a	600.00 Rm (Six Hundred Running Metre Only)	200mm dia D.I Pipes			1 Rm (One Running Metre)	
b	1600.00 Rm (One Thousand Six Hundred Running Metre Only)	100 mm dia D.I Pipes			1 Rm (One Running Metre)	

No of corrections:
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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
8		Refilling with excavated earth (other than sand) in respect of following sizes of pipes watered well rammed and consolidated etc. complete complying with standard specification for filling the trenches after the pipes and specials are laid, jointed and tested and as directed by the TWAD Board Officers				
a	600.00 Rm (Six Hundred Running Metre Only)	200mm dia D.I Pipes			1 Rm (One Running Metre)	
b	1600.00 Rm (One Thousand Six Hundred Running Metre	100 mm dia D.I Pipes			1 Rm (One Running Metre)	
9		Construction of masonry valve chamber of size 1.50m x 0.90m x 1.30m as per type design for inlet, outlet and bye pass arrangements valve location for 200mm dia etc., complete complying with standard specifications and as directed by SIPCOT Officers.				
a	21.01 Cum (Twenty One Point Zero One Cubic metre Only)	Earth work Excavation in all soils			1 Cum (One Cubic metre)	
b	2.25 Cum (Two Point Two Five Cubic metre Only)	PCC 1:4:8			1 Cum (One Cubic metre)	
c	6.84 Cum (Six Point Eight Four Cubic metre Only)	Brick Work CM 1:5			1 Cum (One Cubic metre)	
d	32.93 Sqm (Thirty Two Point Nine Three Square Metre Only)	Plastering CM 1:3 12mm Thick			1 Sqm (One Square metre)	

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
e	1.38 Cum (One Point Three Eight Cubic metre Only)	RCC 1:1.5:3			1 Cum (One Cubic metre)	
f	1.38 Qtl (One Point Three Eight Quintal Only)	Supply of Fabrication of Steel			1 Qtl (One Quintal)	
		Section III - 9 Items (Nine Items only)			Sub Total-III	
IV) Providing Street Light Arrangements to 1st, 2nd & 3rd Main road in the De-notified SEZ area						
1	45.00 Nos (Fourty Five Numbers Only)	Supply & installation of 9 Mtrs height Hot Dip Galvanised octagonal pole bottom 150 mm bottom A/F, 70 mm at top made up of 3mm thick sheet along with base plate of size 300 mm X 300 mm X 16 mm along with 1000 mm long single arm bracket made of 40 NB GI pipe, the pole shall have bottom cable termination door at the height of 750 mm from the base plate with hylem sheet 4 Way connector 1 no 6A MCB, 4 nos of M20 dia M.S. J bolt of sixe 750 mm long, EN8 Grade foundation bolt with template for the above poles & terminals suitable for the same etc., including foundation for pedestal concrete (As per drawing enclosed herewith) etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 No (Each)	

No of corrections:
No of overwrittings:

Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
2		Supply, Installation, Testing and Commissioning of following capacity of LED Street/Flood lights. Housing Made of Die-Cast Aluminium with Silver/Grey Powder Coated , Diffuser should be Clear Heat Resistant Toughened Glass and IK08 with IP 66 Protection , System Efficacy should be >100 Lm/W , System Having 5KV Surge ,Operating Voltage Range of 120V- 270V AC and Frequency 50HZ, Power Factor 0.95 ,THD<10%, LED Chip should be High power and Each LED should be >2 Watts, Each LED with Individual lens, LED Life 50000 Burning Hours as per L70, CCT Range 5000K- 6000K, CRI >70 and Make of LED CREE/ OSRAM / NICHIA and Driver Should be Potted type Constant Current LED Driver with 4KV Inbuilt Surge, Driver Efficiency >85%, Driver having High Voltage, Short Circuit Protection and Driver Should be with BIS Certified with R number. The Fixture shall be conforming to Latest Indian standards or International standards. LEDs comply to the Photo biological safety standards as per IEC62471 and RoHS. The fixtures shall be outdoor type. LM79 report from NABL Accredited Lab and LM80 Report from LED Chip Manufacture to be submitted etc., complete complying with standard specifications and as directed by SIPCOT Officers.				
a	45.00 Nos (Fourty Five Numbers Only)	120W LED Fittings			1 No (Each)	
3	495.00 Rm (Four Hundred and Ninety Five Running Metre Only)	Supplying and laying of 2 x 1.5 Sqmm PVC insulated SC unsheathed Cu Cable conductor cable of 1100 V grade with necessary jointing materials etc., complete including the cost and conveyance of cable and labour charges for laying the cable etc., Complete complying with appropriate specification/standards and as directed by SIPCOT Officers			1 Rm (One Running Metre)	

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
4		Supply and laying of PVC LTUG aluminium armoured cable in a trench to be excavated at a depth of 0.75 metre., and laying inside the HDPE Pipes., complete including the cost and conveyance of cable and labour charges for laying the cable refilling the trench etc				
a	2250.00 Rm (Two Thousand Two Hundred and Fifty Running Metre Only)	4 core x 16 Sqmm PVC LTUG Cable			1 Rm (One Running Metre)	
b	300.00 Rm (Three Hundred Running Metre Only)	3 Core x 50 Sqmm PVC LTUG Cable			1 Rm (One Running Metre)	
5	3.00 Nos (Three Numbers Only)	Supply & installation of outdoor type TNEB Serice pillar box made out of 16 Swg sheet steel with powder coating finish, the pillar shall have double door compartment type with 1 No 100A TPN SFU with HRC fuse, other compartment shall have 3 No 100A porcelain fuse cut outs & 1 No 25 X 3 mm copper neutral link space for providing TNEB energy meter from TNEB meter to cut out fuses, 100A SFU interconnected by 7 / 16 PVC copper wire, front door with glass vision, locking & seeding facility, pillar to be erected with suitable angle iron frame work with concrete & pedestal etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 No (Each)	

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Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
6	3.00 Nos (Three Numbers Only)	Supply of outdoor type distribution pillar box of 1250 mm X 900 mm X 300 mm made out of 16 Swg sheet steel with powder coating finish, the pillar shall have double door compartment type with 1 No 100A TPN SFU with HRC fuse, 3 No 100A porcelain fuse cut outs & 1 No 25 X 3 mm copper neutral link space for providing TNEB energy meter from TNEB meter to cut out fuses, 100A SFU interconnected by 7 / 16 PVC copper wire, front door with glass vision, locking & seeding facility, other compartment shall have 12 Nos 63A Porcelain fuse carrier, 25 mm X 3 mm copper bus bar for each phases, 4way DB arrangements with necessary interconnection by 7 / 16 PVC copper wire from bus bar to 100A SFU 1 set of 24 Hrs L&T make timer, 63A TP Contactor, auto manual toggle switch provision with control wiring, the pillar shall have suitable angle iron frame work for concrete grouting & pedestal, pillar to be erected with suitable angle iron frame work for erecting the pillar etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 No (Each)	
7	12.00 Nos (Twelve Numbers Only)	Providing Earthing as per PWD standard with an earth electrode of 2 metre Class 'B' GI pipe of dia not less than 32mm complete with necessary masonry work etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 No (Each)	
8	90.00 Rm (Ninety Running Metre Only)	Supplying and laying of 65mm GI pipes medium pipe for road crossing including the earthwork , road cutting charges with necessary breakers and arrangemnets materials and providing PCC of grade over the road cutted portion etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 Rm (One Running Metre)	
		Section IV - 8 Items (Eight Items only)			Sub Total-IV	

No of corrections:
No of overwrittings:

Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
V. Providing Lane Marking, Road studs and Road safety measures at Km 0/0 - 0/530						
1	220.00 Sqm (Two Hundred and Twenty Square Metre Only)	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 streaks and holes etc complete as per MORT&H specification No.803) etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 Sqm (One Square metre)	
2	260.00 Nos (Two Hundred and Sixty Numbers Only)	Providing and fixing of road studs of 'category A' Raised pavement markers made out of poly carbonate / methyl methercrylate / ABS moulded body confirming to ASTM D 788 and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face with retro reflectanc eand chromaticity values conforming to ASTM D4280. The reflective raised pavement markers shall also confirm to the MORTH circular No RW / NH. 33023/10/97-DO.III dt 11.06.97. The height, width and length shall not be less than 15mm, 90 mm and 100 mm and with minimum reflective area of 13 Sq.cm. on each side and the slope to the base shal be 35 +/- 5 degree. Each reflector shall have a CIL not less than values specified in Table 2 of said Morth circular. the strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19+/- 2mm and height not less than 30+/-2mm) from the body is to be a minimum value of 500 Kgf. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer. the marker shall support a load of 13635 Kg. tested in accordance with ASTM d4280 and confirming to IRC 35 - 2015 guidelines and MORT&H specification 804 etc., complete complying with standard specifications and as directed by SIPCOT Officers.			1 No (Each)	
		Section V - 2 Items (Two Items only)			Sub Total-V	

No of corrections:
No of overwrittings: