

Schedule -A		
NAME OF WORK : Formation of 30m wide main road – 150m length including Construction of RCC Side Drain, Kerb wall and Box Culvert at SIPCOT Industrial Park, Sriperumbudur (Phase-IV)		
Section	Description of work	Amount (Rs.)
I	Formation of 30m wide main road – 150m length including Construction of RCC Side Drain, Kerb wall and Box Culvert at SIPCOT Industrial Park, Sriperumbudur (Phase-IV)	
	Sub Total	
	GST 18% on Sub Total	
	GRAND TOTAL	
(Rupees_____only)		

CONTRACTOR

No of corrections:
No of overwrittings:

SE

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	2900.00 Sqm (Two Thousand Nine Hundred 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	1800.00 Cum (One Thousand Eight Hundred 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 SS-20B (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)	
3	2045.00 Cum (Two Thousand and Forty Five Cubic metre Only)	Forming embankment using good quality hard earth having CBR value not less than 8% from borrow area with a lead of 25 Km. including spreading the same as per road level chart, which is to be compacted properly and forming the embankment with the required camber, watering and compaction including the cost of unloading, conveyance, spreading the materials uniformly over the entire width of embankment in layers not exceeding 200mm compacted thickness, breaking the clods, watering with all leads for water, compacting with vibratory roller and other construction tools and equipments for achieving 97% compaction including hire charges for all other tools and plants and allother incidental charges etc. complete as per standard specification for forming road Subgrade and as directed by SIPCOT officers.			1 Cum (One Cubic metre)	

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	445.00 Cum (Four Hundred and Forty Five Cubic metre Only)	Filling with earth excavated from site and spreading into the median portion with a minimum lead of 1 Km including cost of conveyance, and filling cost etc., complete as per standard specification and as directed by SIPCOT officers.			1 Cum (One Cubic metre)	
5	75.00 Rm (Seventy Five Running metre Only)	Supplying and laying of 300 mm dia. RCC Non pressure Spun Pipes with Socket and Spigot ends with rubber Rings as per IS 458/2003 for cable duct arrangement including cost of pipes, labour charges, transportation, cost of jointing materials, etc. as per standard specification and as per the directions given by the SIPCOT Officers.			1 Rm (One Running metre)	
6	950.00 Cum (Nine Hundred and Fifty 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)	

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
7	802.00 Cum (Eight Hundred and Two Cubic metre Only)	Providing and laying, spreading and compacting graded stone aggregates 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 material 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)	
8	2600.00 Sqm (Two Thousand and Six Hundred Square metre only)	Providing and laying Prime coat over wet mix macadam surface using 7.00 Kg bitumen 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 and as directed by SIPCOT Officers.			1 Sqm (One Square metre)	
9	2600.00 Sqm (Two Thousand and Six Hundred Square metre only)	Providing and laying Tack coat over treated wet mix macadam surface using 2.50 Kg bitumen 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 etc.complete as per clause 503 of MORT & H specifications and as directed by SIPCOT Officers.			1 Sqm (One Square metre)	

No of corrections:
No of overwritings:

Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
10	295.00 Cum (Two Hundred and Ninety Five Cubic metre Only)	Providing and laying to 75mm 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 as per directed by SIPCOT Officers.			1 Cum (One Cubic metre)	
11	3250.00 Sqm (Three Thousand Two Hundred and Fifty Square metre only)	Providing and laying tack coat over existing BT surface using 2 Kg of Bitumen Emulsion (RS1) per 10 Sqm for preparatory to another bituminous construction over it including cost of material, labour charges, rental charges for machinery, fuel and all other incidental charges etc., complete as per clause 503 of MORT & H specification and as per directed by SIPCOT Officers.			1 Sqm (One Square metre)	

No of corrections:
No of overwritings:

Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
12	131.00 Cum (One Hundred and Thirty One Cubic metre Only)	Providing and laying 40mm 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 Officers.			1 Cum (One Cubic metre)	
13	90.00 Sqm (Ninety Square metre Only)	Providing and laying of hot applied thermo plastic compound 2.5 mm thick including refletoising glass beads @ 250 gms per Sq.m. area , thickness of 2.50 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 MORTH Specification No. 803 and as directed by SIPCOT Officers.			1 Sqm (One Square metre)	

No of corrections:
No of overwritings:

Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
14	150.00 Nos (One Hundred and Fifty Numbers Only)	Providing and fixing of Road stud 100 x 100 mm , diecast in Aluminium resistant to corrosive effect of salt and Grit, fitted with lense reflectors , installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar etc, complete as per BS: 873 (PART-4) 1973 and as directed by SIPCOT Officers.			1 No (Each)	
15	270.00 Sqm (Two Hundred and Seventy Square metre Only)	Painting two coats of black and white bands alternatively each coat separately using black and white enamel paints of approved quality including cost and conveyance of paint, painting articles and utencils, labour charges etc., complete complying with standard specification and as directed by SIPCOT officers.			1 Sqm (One Square metre)	
16	555.00 Sqm (Five Hundred and Fifty Five Square metre only)	Supplying and laying 60 mm thick TAMIN heavy duty road paver interlocking block with super embedded anty skid with texture design meeting their international standard size with Zig Zag design with higher loading capacity rate including cost and conveyance all required materials at site and all labour charges for laying, compacting with paver vibrator and lall taxes etc., complete complying with standard specification and as directed by SIPCOT Officers.			1 Sqm (One Square metre)	
B)CONSTRUCTION OF RCC SIDE DRAIN, KERB WALL, AND BOX CULVERTS						
17	400.00 Cum (Four Hundred Cubic metre Only)	Earth work excavation for foundation in all classes of soils such as hard stiff clay, stiff black cotton soil, hard red earth, shales, murrum, etc. except hard rock requiring blasting as per SS 20-B and depositing the same to the low lying area/embankment portion with a initial lead of 10m and lift of 2m in all classes of soil,etc. complete and as directed by the SIPCOT officers.			1 Cum (One Cubic metre)	

No of corrections:
No of overwritings:

Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
18	56.00 Cum (Fifty Six Cubic metre Only)	Providing quarry dust filling to the required thickness in layers of not exceeding 150mm including cost and conveyance of materilas to work site including labour charges for filling in layers as specified by the Engineer-in-charge including watering with all leads for soft potable water compaction by manual labour and all other incidental charges, etc., complete complying with standard specification and as directed by SIPCOT Officers.			1 Cum (One Cubic metre)	
19	76.00 Cum (Seventy Six Cubic metre Only)	Plain Cement Concrete in mix 1:4:8 (One cement four sand and eight aggrregate) using 40mm HBG stone jelly including dewatering if found necessary in layers of not more than 15Cm. Thick etc., including cost and conveyance of all materials to site etc., complete complying with standard specification and as directed by SIPCOT officials.			1 Cum (One Cubic metre)	
20		Supply and erection of form work for centering and strutting etc., for concrete works for following surfaces including strutting upto 3.90m in all floors etc., complete complying with standard specification and as directed by SIPCOT officials..				
a	3150.00 Sqm (Three Thousand One Hundred and Fifty Square metre only)	<u>For Vertical surfaces :</u>			1 Sqm (One Square metre)	
b	12.00 Sqm (Twelve Square metre only)	<u>For Plain surfaces :</u>			1 Sqm (One Square metre)	
21	120.00 Qtl (One Hundred and Twenty Quintal Only)	Supplying, Fabricating and placing in position steel reinforcement grills using Fe 415 - R.T.S. rods for all sizes of reinforcement for all Reinforced cement concrete works including cost of steel, binding wire, labour charges for cutting, fabricating, tying, lifting, placing in position of rods etc. complete complying with standard specifications and as directed by "SIPCOT" officers.			1 Qtl (One Quintal)	

No of corrections:
No of overwritings:

Sl. No.	Qty	Description of item	TNBP No.	Rate both in figure and in words	Unit	Amount
1	2	3	4	5	6	7
22	240.00 Cum (Two Hundred and Forty Cubic metre Only)	Providing and laying in position , standardised concrete mix M-25 GRADE in accordance with IS 456-2000 using 20 mm and down graded HBG ISS stone jelly for all RCC items, including cost of all required material at site, and all labour charges, curing etc., complete as per design mix approved by SIPCOT Officers.			1 Cum (One Cubic metre)	
23	54.00 Cum (Fifty Four Cubic metre Only)	Plain Cement Concrete in mix 1:2:4 (One cement two sand and four aggregate) using 20mm HBG stone jelly including dewatering if found necessary in layers of not more than 15Cm. Thick etc., including cost and conveyance of all materials to site etc., complete complying with standard specification and as directed by SIPCOT Officers.			1 Cum (One Cubic metre)	
24	190.00 Rm (One Hundred and Ninety Running Metre Only)	Supply, delivery and laying of 125mm dia. O/D. HDPE Pipes(PN6) at the required levels including cost and conveyance of pipes and labour charges for laying, finishing the surface with required levels and making the surface in good, etc., complete complying with standard specification and as directed by SIPCOT Officers.			1 Rm (One Running Metre)	
25	255.00 Sqm (Two Hundred and Fifty Five Square metre only)	Supply, and fixing of RCC jolly of size of 900 mm X 750 mm X 75 mm including cost of RCC Jolly, conveyance charges, and fixing in position etc., complete complying with standard specification and as directed by SIPCOT Officers.			1 Sqm (One Square metre)	
26	255.00 Sqm (Two Hundred and Fifty Five Square metre only)	Painting two coats with approved Plastic EMULSION PAINT over one priming coat over cement plastered wall surface and ceiling including cleaning preparing the surface and curing etc., complete complying with standard specification and as directed by SIPCOT Officers.			1 Sqm (One Square metre)	
		Section I - 26 Items (Twenty Six Items only)			Sub Total	

No of corrections:
No of overwritings: