

Name of Work: Restoration of Road from Plot No. G34 to G29 and Plot No. G112 to G105 at TANSIDCO Industrial Estate, Kakkalur in Thiruvallur District						
EMD - Rs.46,000/-				Date of Tender : 19.04.2022		
SCHEDULE OF QUANTITIES						
SL. NO	QTY	DESCRIPTION OF WORK	TNBP NO	RATE IN FIGURES AND WORDS	UNIT	AMOUNT
1	2228 Sqm (Two Thousand Two Hundred and Twenty Eight)	Picking 2cm to 10cm thick old metalled surface and sectioning as directed by TANSIDCO Engineers etc., complete.	85		1 Sqm (One Square Metre)	
2	82 Cum (Eighty Two)	Providing Well Gravel Soling for base & berms of specified thickness including cost and conveyance of well gravel to site and stacking them to departmental gauge for pre-measurment including labour charges for spreading and watering with all leads for good water, consolidation by power roller rolling and other charges for the tools and plants engaged etc., complete complying with standard specification. (Payment will be made for consolidated thickness of well gravel only).	MORTH 111, 112, 401 & 900		1 Cum (One Cubic Metre)	

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3	437 Cum (Four Hundred and Thirty Seven)	Providing and laying WET MIX MACADAM Base Course of 250mm compacted thickness in two layers of 125 mm thick or else as specified on prepared sub base with graded stone aggregate using 0.396cum of 45.00-22.40mm graded metal, 0.528cum of 22.40-2.36mm graded metal and 0.396cum of 2.36mm graded metal and below including premixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper trucks to paver site, laying in uniform layers with paver, spreading the mix for uniform thickness with mechanical paver to the specified grades and cross sections and compaction by 80 -100 KN vibratory roller to required density etc. including labour for attending the paver site, including hire charges and fuel charges for tipper trucks, paver finisher, vibratory rollers and all other tools and plants required and all other incidental charges etc., complete as per Clause 406 of MORTH and as directed by Engineer.	MORTH 111, 112, 406 & 900		1 Cum (One Cubic Metre)	
4	165 Cum (One Hundred and Sixty Five)	Plain Cement Concrete 1:5:10 (One cement, five of M Sand and ten of Hard Broken Stone Jelly) using 40mm gauge hard broken stone jelly for foundation inclusive of dewatering if found necessary, shoring, strutting, side shuttering, ramming, curing and laid in layers not more than 15cm thick etc., complete complying with standard specification.	28		1 Cum (One Cubic Metre)	
5	248 Cum (Two Hundred and Forty Eight)	Reinforced Cement Concrete of M30 Grade Design Mix using M Sand , 10mm and 20mm gauge HB stone jelly for all RCC items of works excluding centering, shuttering & also cost of reinforcement grill in position but including the cost of mixing concrete, placing, vibrating with mechanical vibrator, finishing and curing etc. complete and as directed by the SIDCO Engineers.	30		1 Cum (One Cubic Metre)	

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6	16.14 MT (Sixteen Point One Four)	Supplying, fabricating and placing Reinforcement Steel of high yield strength ribbed bar of various diameter and grade confirming to IS1786 of reinforced concrete work. The work including decoiling, straightening, cutting, bending, fabricating and placing in position at all levels and floors including lead and lift according to drawings, specifications, etc complete. Supply and use of 18Gauge black annealed binding wire double fold to tie the bars in position, chairs pins, space bars, unauthorised laps which will not be measured separately neither for payment nor for reconsilation and providing precast cement / pvc cover blocks for main reinforcement to ensure specified cover and as directed. Steel and binding wire will be procured by the contractor at his own cost.	30 & 86		1 MT (One Metric Tonne)	
7	90 Sqm (Ninety)	Supplying and erecting Shuttering with necessary supports for Plane Surfaces such as RCC Column boxing, top & bottom slabs, sill slabs, sunshade with all cross bracings including strutting using silver oak (country wood) joists of size 10cm x 6.5cm spaced at about 90cm centre to centre etc., complete.	86 & 86A		1 Sqm (One Square Metre)	
8	575 RM (Five Hundred and Seventy Five)	Providing Groove Cutting of 5mm width and 60mm average depth in the existing Reinforced Cement Concrete including hire charges for cutting machine, cost of cutting wheel, watering charges for cleaning, cost of bitumen and filling charges and all labour charges etc. complete.	Special		1 RM (One Running Metre)	
9	1650 Sqm (One Thousand Six Hundred and Fifty)	Levelling and Compacting the Reinforced Cement Concrete of M30 Grade Design Mix including vacuum dewatering finishing the surface with mechanical traveller finishing, fixing and removing the inner channel after finishing the works with proper gradient and alignment including all materials and labours and tools and plant etc., complete and as directed by the SIDCO Engineers.	30		1 Sqm (One Square Meter)	

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10	300 Sqm (Three Hundred)	Providing and laying Prime Coat over WMM surface using 6kgs of bitumen Emulsion for 10 Sqm area including cost and conveyance of bituminous binder including labour charges for preparing the surface and applying the required quantity of bitumen as prime coat by bitumen sprayer etc., complete as per clause 502 of MORTH specification.	MORTH 502		1 Sqm (One Square Metre)	
11	300 Sqm (Three Hundred)	Providing and laying Tack Coat over WMM surface treated with priming coat using 2.50kgs of bitumen Emulsion for 10 Sqm area including cost and conveyance of bituminous binder including labour charges for preparing the surface and applying the required quantity of bitumen as tack coat by bitumen sprayer etc., complete as per clause 503 of MORTH specification.	MORTH 503		1 Sqm (One Square Metre)	
12	3116 Sqm (Three Thousand One Hundred and Sixteen)	Providing and laying Tack Coat over existing BT surface treated with priming coat using 3.00kgs of bitumen Emulsion for 10 Sqm area including cost and conveyance of bituminous binder including labour charges for preparing the surface and applying the required quantity of bitumen as tack coat by bitumen sprayer etc., complete as per clause 503 of MORTH specification.	MORTH 503		1 Sqm (One Square Metre)	

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SL. NO	QTY	DESCRIPTION OF WORK	TNBP NO	RATE IN FIGURES AND WORDS	UNIT	AMOUNT
13	30 Cum (Thirty)	Providing and laying 50mm compacted thick Bituminous Macadam using 0.42cum of 26.50 - 11.20 mm graded metal and 0.10cum of 11.20 - 2.80mm graded metal and 0.18cum of 2.80mm and below with 38 Kgs of bitumen for premixing 10Sqm including cost and conveyance of all materials to CMP site, heating the bitumen and aggregates to required temperature and mixing them in required temperature in central Hot mix plant 20-30 tons capacity conveying the mix by Tipper trucks to paver site, spreading the mix in required temperature for uniform thickness of 50mm with mechanical paver to the specified grades and cross sections and compaction by 8-10 T power roller to required density etc. including labour for loading bitumen into bitumen tank and metal to feeder unit, labour for attending the paver site etc. including hire charges and fuel charges for 20-30T CMP with bitumen boiler, tipper trucks, paver finisher, power rollers and all other tools and plants employed etc., complete as per clause 504 of MORTH Specification.	MORTH 501 & 504		1 Cum (One Cubic Metre)	

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SL. NO	QTY	DESCRIPTION OF WORK	TNBP NO	RATE IN FIGURES AND WORDS	UNIT	AMOUNT
14	125 Cum (One Hundred and Twenty Five)	Providing and laying 40mm compacted thick Semi-Dense Bituminous Concrete using 0.10cum of 13.20mm Graded IRC HBG metal, 0.16cum of 11.20mm graded IRC HBG metal, 0.16cum of 6.70mm graded IRC HBG metal and 0.18cum of 2.80mm and below with 38 Kgs of bitumen for premixing per 10Sqm including cost and conveyance of all materials to CMP site, heating the bitumen and aggregates to required temperature and mixing them in required temperature in central Hot mix plant 20-30 tons capacity conveying the mix by Tipper trucks to paver site, spreading the mix in required temperature for uniform thickness of 40mm with mechanical paver to the specified grades and cross sections and compaction by 8-10 T power roller to required density etc. including labour for loading bitumen into bitumen tank and metal to feeder unit, labour for attending the paver site etc. including hire charges and fuel charges for 20-30T CMP with bitumen boiler, tipper trucks, paver finisher, power rollers and all other tools and plants required including all other incidental charges etc., complete as per clause 508 of MORTH using CMP.	MORTH 501 & 511		1 Cum (One Cubic Metre)	
14 Items (Fourteen Items Only)					Total in Rs.	
Note: The tender invited excluding GST. At the time of acceptance of the tender and signing of agreement, the applicable GST of 18% will be included for this work.						

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