



**TAMILNADU SMALL INDUSTRIES DEVELOPMENT CORPORATION LIMITED
CORPORATE OFFICE
CHENNAI**

COVER 2

PRICE BID

NAME OF WORK : Formation of Road and Construction of Culverts at TANSIDCO Industrial Estate, Umayalpuram in Salem District

EMD AMOUNT : Rs.51,000/-

DATE OF TENDER: 06.05.2022

SCHEDULE OF QUANTITIES						
SL. NO	QTY	DESCRIPTION OF WORK	TNBP NO	RATE IN FIGURES AND WORDS	UNIT	AMOUNT
1		Earth work open excavation for forming roads to the required depth as may be directed except hard rock requiring blasting but inclusive of shoring, strutting and bailing out water wherever necessary, well rammed, consolidated and depositing on bank with an initial lead of 10 metres and initial lift of 2 metres and clearing, levelling the site etc., complete.	20A			
a)	312 Cum (Three Hundred and Twelve)	For Ordinary Soil			1 Cum (One Cubic Metre)	
b)	3330 Cum (Three Thousand Three Hundred and Thirty)	For Medium Rock and Dense Medium Rock (MR & DMR) - Not Requiring Blasting			1 Cum (One Cubic Metre)	
2	1545 Cum (One Thousand Five Hundred and Forty Five)	Providing Gravel Soling for base & berms of specified thickness including cost and conveyance of 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 gravel only).	MORTH 111, 112, 401 & 900		1 Cum (One Cubic Metre)	

CONTRACTOR

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SUPERINTENDING ENGINEER i/c

SL. NO	QTY	DESCRIPTION OF WORK	TNBP NO	RATE IN FIGURES AND WORDS	UNIT	AMOUNT
3	783 Cum (Seven Hundred and Eighty Three)	Providing and laying Granular Sub-Base (GSB) layer of 200mm compacted thickness on the prepared sub grade with approved graded material of minimum CBR value of 30 grading conforming to Table 400 - 1 of MORTH including screening, spreading in uniform layer with motor grader, watering and premixing in a mechanical Mix plant at optimum moisture content, compacting with power roller of 8 to 10 T static weight to not less than 98% of the maximum laboratory dry density as per IS : 2720 (Part b) and fine dressing to the required grade and cross slope as shown in the drawing or as directed by the Engineer, including obtaining and transporting all materials from approved quarry site to work site with all lifts and lead by mechanical transport, head load or any other mode of transportation, including labour, tools, equipment, safety measures, testing and incidentals necessary to complete the work as per Technical Specification Clause 401 of MORTH and as directed by SIDCO Engineers.	MORTH 111, 112, 401 & 900		1 Cum (One Cubic Metre)	

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SL. NO	QTY	DESCRIPTION OF WORK	TNBP NO	RATE IN FIGURES AND WORDS	UNIT	AMOUNT
4	488 Cum (Four Hundred and Eighty Eight)	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 metel 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)	
5	2450 Sqm (Two Thousand Four Hundred and Fifty)	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)	
6	2450 Sqm (Two Thousand Four Hundred and Fifty)	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)	

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SL. NO	QTY	DESCRIPTION OF WORK	TNBP NO	RATE IN FIGURES AND WORDS	UNIT	AMOUNT
7	123 Cum (One Hundred and Twenty Three)	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
8	98 Cum (Ninety Eight)	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)	

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SL. NO	QTY	DESCRIPTION OF WORK	TNBP NO	RATE IN FIGURES AND WORDS	UNIT	AMOUNT
9	184 RM (One Hundred and Eighty Four)	Supplying, laying and jointing RCC Hume Pipe of 250mm dia NP2 Grade Class with socket and spigot ends as per IS 458/2003 manufactured with sulphate resistant cement with 12 mm HI - alumina lining with rubber ring joints including cost of pipe as a finished work, all other incidental charges, testing charges, loading, unloading, transport and delivery in good condition at work site. The rate includes lowering RCC pipes & specials into the trenches, laying to proper grade & alignment and jointing RCC pipes with cement using necessary collars including the cost of jointing materials and cost of collars as per specification etc., complete and as directed by TANSIDCO Engineers.	MORTH 2905		1 RM (One Running Meter)	
10	154 Cum (One Hundred and Fifty Four)	Earth work excavation for foundation in all kinds of soils and subsoils and to the required depth as may be directed except hard rock requiring blasting but inclusive of shoring, strutting and bailing out water wherever necessary, refilling the sides of foundation and basement with excavated earth in layers of 15cm thick well rammed, consolidated and depositing the surplus earth in places shown with an initial lead of 10 meters and initial lift of 2 meters and clearing, levelling the site etc., complete.	23 & 24		1 Cum (One Cubic Metre)	
11	16.20 Cum (Sixteen Point Two Zero)	Plain Cement Concrete 1:4:8 (One cement, four of M Sand and eight of aggregate) 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)	

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12	64.90 Cum (Sixty Four Point Nine Zero)	Plain Cement Concrete 1:2:4 (One of cement, two of M Sand and four of aggregate) using 20mm 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)	
13	26.90 Cum (Twenty Six Point Nine Zero)	Reinforced Cement Concrete 1:1.5:3 (One of cement, one & half of M Sand and three of aggregate) using 20mm gauge HB stone jelly for all RCC items of works excluding centering, shuttering and also cost of reinforcement grill in position but including laying, curing and finishing etc., complete and also fixing fixtures like fan clamps in the RCC floor / roof slab wherever necessary etc., complete complying with standard specifications and as directed by the departmental officers.	30		1 Cum (One Cubic Metre)	
14	2.69 MT (Two Point Six Nine)	Supplying, fabricating and placing Reinforcement Steel of high yeild 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)	

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SL. NO	QTY	DESCRIPTION OF WORK	TNBP NO	RATE IN FIGURES AND WORDS	UNIT	AMOUNT
15	256 Sqm (Two Hundred and Fifty Six)	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 Meter)	
16	39 Sqm (Thirty Nine)	Supplying and erecting Centering for sides and soffits including necessary supports and strutting upto 3.29m height for Plane Surfaces with all cross bracings using Mild Steel Sheets of size 90 x 60cm and 10 BG stiffened with Welded Mild Steel Angle of size 25mm x 25mm x 3mm for boarding laid over silver oak joists of size 10cm x 6.50cm spaced at about 90cm centre to centre and supported by casurina props of 10cm to 13cm dia spaced at not more than 75cm centre to centre etc., complete complying with standard specification.	86 & 86A		1 Sqm (One Square Metre)	
17	29 Sqm (Twenty Nine)	Plastering with Cement Mortar 1:3 (One of cement and three of M Sand) of 12mm thick including centering, strutting, finishing and curing etc., complete complying with standard specification.	56 & 57		1 Sqm (One Square Metre)	
18	51 Sqm (Fifty One)	Plastering with Cement Mortar 1:3 (One of cement and three of M Sand) of 20mm thick including centering, strutting, finishing and curing etc., complete complying with standard specification.	56 & 57		1 Sqm (One Square Metre)	

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SL. NO	QTY	DESCRIPTION OF WORK	TNBP NO	RATE IN FIGURES AND WORDS	UNIT	AMOUNT
19	27 Sqm (Twenty Seven)	Colour Washing two coats over one coat of white washing with fine screened shell lime approved colour pigments gum conjee. The rate includes one base coat of white washing and two coats of colour washing etc., complete.	64		1 Sqm (One Square Meter)	
20		Hire charges for deploying the following earth moving machineries for levelling the earth including diesel, oil and labour charges etc., complete and as directed by the TANSIDCO Engineers.	Special			
a)	87 Hours (Eighty Seven)	Hitachi			1 Hour (One Hour)	
b)	87 Hours (Eighty Seven)	Dozer with tractor			1 Hour (One Hour)	
20 Items (Twenty 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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