

Item Rate BoQ

Tender Inviting Authority: Commissioner, Thoothukudi City Municipal Corporation

Name of Work :Providing BT Surface at SBI Colony 1st Street West(Ward-01).

Contract No:15/22-23/AEE(N)

Name of the Bidder/ Bidding Firm / Company :							
<div>PRICE SCHEDULE</div> <div>(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)</div>							
NUMBER #	TEXT #	NUMBE	TEXT #	NUMBER	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	6	7	8
1	Dismantling Culvert slab including cost and conveyance of all materilas to site and labour charges etc,complete as per standard specifications	3.00	1M3 (One cubic metre)			0.00	INR Zero Only
2	Centering for soffits of RCC slabs of plane surface like lintels, beams ,etc.,including strutting 3m high using mild steel sheets of size 90cm X 60cm X and B.G 10 stiffened with M.S angles of size 25mm X 25mm X 3mm laid over silver Oak (C.W) joists of size 10cm X 6.5cm (spaced at about 90cm c/c)and supported dy casurina props of 10cm to 13cm dia (spaced of 75cm C/C) complying with standard specification and directed	14.00	1M2 (One square metre)			0.00	INR Zero Only

3	Plain Cement Concrete 1:2:4 (one cement, two fine aggregates and four coarse aggregates) using 20mm size ISS HBG metal including cost and conveyance of all materials to site and including for the mixing, laying and labour charges etc., complete as per standard specification	1.50	1M3 (One cubic metre)			0.00	INR Zero Only
4	Providing and laying in position Standardised Concrete Mix M-20 Grade in accordance with IS 456 - 2000 using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 3250Kg/ cum and maximum water cement ratio of 0.55 including admixture (Plasticiser / super plasticiser) in recommended proportions as per IS 9103 to accelerate, related setting of concrete, improve workability without impairing strength and durability with about (5.0cum), 7730Kg of 20mm machine crushed stone jelly and with about (3.3 cum), 5156kg of 10 - 12mm machine crushed stone jelly and with about (4.79cum) 7670 kg of sand, but excluding cost of reinforcement grill and fabricating charges centering and shuttering but including laying, vibrating with mechanical vibrators, finishing, curing, etc and providing fixtures like fan clamps in the RCC floor / roof slabs wherever necessary without claiming extra cost etc., complete complying with standard specification and as directed by the departmental officers - The Coarse and Fine aggregates to be used should comply with the requirements of IS standards. (No separate payment will be made by the Department for the excess usage of materials)	4.00	1M3 (One cubic metre)			0.00	INR Zero Only
5	Supplying and fabricating and placing in position MS (or) R.T.S. bar for reinforcement to all RCC works as per the design given including cost of steel and binding wire also in all floors.	320.00	1 kg(one Kilogram)			0.00	INR Zero Only

6	Supply and fixing of Cuddappah slab upto 20/30mm thick the rate includes all cost and conveyance of materials and labour charges etc.,complete	9.00	1M2 (One square metre)			0.00	INR Zero Only
7	Picking the existing old mettaled surface from 50mm to 100mm thick surface without damaging the existing base course and cleaning the site etc, complete	810.00	1M2 (One square metre)			0.00	INR Zero Only
8	Providing and laying, spreading and compacting graded stone aggregate to Wetmix macadam (WMM) specification including premixing the material with water at OMC in mechanical mix plant carriage to mixed material by tipper to site laying in uniform layers with paver in sub base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per clause 406 of MORTH specifications.	122.00	1M3 (One cubic metre)			0.00	INR Zero Only
9	Providing and laying Prime Coat over WBM/ WMM surface using 7 Kg of Emulsion Bitumen (SS1) per 10 sqm for preparatory to another bituminous construction over it, including cost of material, labour charges, rentals for machinery, fuel and all other incidental charges etc., complete as per Clause 502 of MORTH Rev-5	810.00	1M2 (One square metre)			0.00	INR Zero Only
10	Providing and laying Tack Coat over WBM/ WMM surface (treated with primer) using 2.50 Kg of Bitumen Emulsion (RS1) per 10 sqm for preparatory to another bituminous construction over it including cost of material, labour charges, rentals for machinery, fuel and all other incidental charges etc., complete as per Clause 503 of MORTH Rev-5	810.00	1M2 (One square metre)			0.00	INR Zero Only

11	Providing and laying 50mm consolidated thick Dense Bituminous Macadam using 0.24 cum of 26.50-13.20mm, 0.25cum of 13.20-2.36mm and 0.23cum of 2.36mm & below and with 53.20 Kgs of VG30/ VG40 bitumen for premixing per 10sqm including cost and conveyance of all materials to CMP site, heating the bitumen and aggregate to required temperature and mixing them in required temperature in central hot mix plant 20-30 ton capacity, conveying the mix by tipper trucks to work site, spreading the mix to uniform thickness of 50mm with paver to the specified grades and cross sections and compacted by Vibratory / Pneumatic Roller to the required density etc., including labour for attending to paver at site etc., including hire charges and fuel charges for 20-30 t CMP with bitumen boiler, tipper trucks, Paver Finisher / 9m paver finisher, Vibratory / Pneumatic rollers and all other tools and plant required, including fuel and all other incidental charges etc., complete as per specification using CMP as per clause 505 MORTH Rev-5	41.00	1M3 (One cubic metre)			0.00	INR Zero Only
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12	Providing and laying Bituminous Concrete upto 30 mm thick using 0.13 cum of 19.00-9.50mm, graded metal 0.17 cum of 9.50-2.36mm graded metgal and 0.26 cum of 2.36 and below metal by adding the shredded plastic waste over 10%Bitumen quantity 5.03Kg($50.30 \times 10\% = 5.03\text{Kg}$) the aggregate heated to 170 degree celcius in the central hot mix plant, mixed well with 45.27 Kgs of hot bitumen VG30 Bitumen (160 degree celcius) 60/70 grade for premixing per 10sqm to lay 30mm compacted thick of bituminous concrete including the cost of materials (the cost of Municipality / Corporation plastic waste obtained by the contractor from the Municipality / Corporation will be recovered) and conveyance of all materials to CMP site, heating the bitumen and agregates to the required tonnes capacity conveying the mix by tipper trucks to paver site, spreading the mix in required tempereature for uniform thickness of 30mm with mechanical paver to the specified grades and cross sections and consolidated by 80-100 KN Vibratory roller / Pneumatic roller to therequired density etc., including labour for loading bitumen in to bitumen tank and metal to feeder unit, labour for attending to paver site etc., including hire charges and fuel charges for 20-30 TCMP with bitumen boiler, tipper trucks, paver finisher/9m paver finisher, Vibratory/pneumatic rollers and all other tools and plants required, including all other incidental charges etc., complete as per specification using CMP clause 507 of MORTH REV -5 Specifications.	25.00	1M3 (One cubic metre)			0.00	INR Zero Only
13	Providing and laying of hot applied thermoplastic compound 2.5mm thick including reflectorising glass beads @250grams per sqm area thickness of 2.5mm is exclusive of surface applied glass beads as per IRC 35. The finished surface to be level uniform and free form streaks and holes etc., complete(as per MORT & H specification No.803)	40.00	1M2 (One square metre)			0.00	INR Zero Only

14	Providing and fixing reflective road studs of 'Category A' raised pavement markers made out of poly coarbonate/Methyl methecrylate/ABS moulded body confirming to ASTM D 786 and reflective panels wiht micro prismatic lens capable of providng total intenal reflection of the light entering the lens face with retro reflectance and 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 lenght shall not be less than 15mm ,90mm and 100mm and with minimum reflective area of 13sqcm on each side and the slope to the base shall be 35+/- 5degree.Each reflector shall have CIL not less the values specified in tanle 2 of said morth circular.The strenght of detachment of the intefrated cylindrical shanks(of diameter not less the 19+/-2mm and height not less the 30+/-2mm from hte body is to be a minimum value of 500kgf.Fixing will be by drilling hole on the road for the shanks to fo inside without nails and using epoxy resinbased adhesive as per manufacturers recommenndation and complete as directed bu the engineer,The marker shall support a load of 13635kg tested in accordance with ASTM D4280 and confirming to IRC 35 -2015 guidelined and MORTH specification 804etc. complete	30.00	1No(One Number)			0.00	INR Zero Only
15	Raising the existing circular man hole in heavy type including the removing the existing the man hole cover with frame and dismantling the existing the cement concrete wall and tar road surface around the manholes using 1:2:4 20mm jelly for raising the existing the manhole wall and using CC 1:2:4 with 20mm chips with necessary centering and refixing the manhole cover and frame for finishing the top surface of manhole etc., complete.	7.00	1No(One Number)			0.00	INR Zero Only

16	Supply and Delivery the 600mm dia heavy Duty FRC manhole Frame to have 600mm Clear Opening 600mm dia to suit 600mm dia FRC Cover manhole from Including fixing all labour Charges etc Complete	7.00	1No(One Number)			0.00	INR Zero Only
17	Supply and Delivery the 600mm dia heavy Duty FRC manhole Cover to Suit 600mm Clear Opening manhole from Including fixing all labour Charges etc Complete	7.00	1No(One Number)			0.00	INR Zero Only
18	Collection and supply of Well gravel from approved quarry including cost and conveyance and stacking at road side to departmental gauge for taking premeasurement watering and consolidation by power roller rolling etc.,Completed as per standard specification	44.00	1M3 (One cubic metre)			0.00	INR Zero Only
19	Filling with collected well gravel including sectioning levelling and consolidation by hand roller and others but excluding cost of gravel etc., complete as per standard specification	44.00	1M3 (One cubic metre)			0.00	INR Zero Only
Total in Figures						0.00	INR Zero Only
Quoted Rate in Words		INR Zero Only					