

Item Rate BoQ

Tender Inviting Authority: Commissioner, Thoothukudi City Municipal Corporation

Name of Work : Construction Of Three Class Room at Veranyakanthattu Corporation School.

File No: E1/04737/2021 & EST No: 13/22-23/EE(S)

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|--|--|----------|-----------------------|-------------------------|---|-----------------------|-----------------------|
| Name of the Bidder/ Bidding Firm / | | | | | | | |
| <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 # | NUMBER # | 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 | Earth work excavation for foundation in Hard stiff clay, stiff black cotton, hard red earth, shales murrum, gravel,stone earth and earth mixed with small size boulders SS.20B and Sand, silt or other loose soil, wet sand,or silt not under water, light black cotton soil, sandy loam ordinary soil and to full depth as may be directed except in hardrock requiring blasting inclusive of shoring shuttering and baling out water and cleaning and levelling the site etc.,complete | | | | | | |
| 1.01 | Footing | 307.00 | 1M3 (One Cubic metre) | | | 0.00 | INR Zero Only |

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| 1.02 | Plinth Beam | 43.00 | 1M3 (One Cubic metre) | | | 0.00 | INR Zero Only |
| 2 | Plain Cement Concrete 1:4:8 (one cement four fine aggregates and eight coarse aggregates) using 40mm size ISS HBG metal including cost and conveyance of all materials to site and including for the mixing, laying and labour charges and all incidental charges such as water providing etc., complete as per standard specification | 30.00 | 1M3 (One Cubic metre) | | | 0.00 | INR Zero Only |
| 3 | Random rubble masonry in cement mortar 1:5 (one Part of cement, Five part of Sand) mix using all granite stones and bond stones for foundation and basement from approved quarry including watering, curing, and labour charges etc., completed as per standard specification | 25.00 | 1M3 (One Cubic metre) | | | 0.00 | INR Zero Only |
| 4 | Suppling 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. | 9400.00 | 1Kg(One Kilo Gram) | | | 0.00 | INR Zero Only |
| 5 | 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 | | | | | | |
| 5.01 | a).Trapezoital Footing | 110.00 | 1M2 (One square metre) | | | 0.00 | INR Zero Only |

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| 5.02 | b) For Rectangular Columns | 137.00 | 1M2 (One square metre) | | | 0.00 | INR Zero Only |
| 5.03 | c) For Lintel Roof Slab & beam | 250.00 | 1M2 (One square metre) | | | 0.00 | INR Zero Only |
| 6 | Providing and laying in position Standardised Concrete Mix M-25Grade 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 contenet of 3500 Kg/ 10cum 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 imparing 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 requiremnents of IS staandards. | | | | | | |
| 6.01 | a) Upto basement level | 51.00 | 1M3 (One Cubic metre) | | | 0.00 | INR Zero Only |
| 6.02 | b) For Ground Floor | 39.00 | 1M3 (One Cubic metre) | | | 0.00 | INR Zero Only |

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| 7 | Brick work in CM 1:5 (one cement & five sand) using III class country bricks of size 8 3/4"X4 1/4"X 2 3/4" including finishing, curing, etc., complete complying with standard specification | | | | | | |
| 7.01 | a) Upto Basement Level | 35.00 | 1M3 (One Cubic metre) | | | 0.00 | INR Zero Only |
| 7.02 | B)Ground Floor | 64.00 | 1M3 (One Cubic metre) | | | 0.00 | INR Zero Only |
| 8 | Supplying and filling in foundation and basement with Well Gravel in layers of not more than 15cm thick well rammed watered and compacted etc., complete complying with standard specification. | 385.00 | 1M3 (One Cubic metre) | | | 0.00 | INR Zero Only |
| 9 | Plastering with cement mortar 1:3,10 mm ,thick in all floors including cost and conveyance of all materilas to site and labour charges etc,complete as per standard specifications | 178.00 | 1M2 (One square metre) | | | 0.00 | INR Zero Only |
| 10 | Plastering with cement mortar (1:5) 12mm ,thick in all floors including cost and conveyance of all materilas to site and labour charges etc,complete as per standard specifications | 754.00 | 1M2 (One square metre) | | | 0.00 | INR Zero Only |
| 11 | Weathering Course with Concrete Broken Brick .Jelly 20mm gauge in pure slaked lime (no sand to be added) over roof slab,the proportion of brick jelly to lime being '32 to 12.5 well beaten with wooden beaters for giving requiredslope and thickness as directed by the departmental officers etc., complete. | 10.00 | 1M3 (One Cubic metre) | | | 0.00 | INR Zero Only |

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| 12 | Finishing the top of roof with one course of machine pressed tiles of size 200 mm x 200 mm x 20 mm of approved quality in Cement Mortar 1:3 (One Cement add three sand) 12 mm thick mixed with water proofing compound conforming to ISS at 2% by weight of cement used and the joints pointed neatly to full depth of tiles with the same cement mortar mixed with red oxide and water proofing compound including curing etc., complete | 125.00 | 1M2 (One square metre) | | | 0.00 | INR Zero Only |
| 13 | Paving the floor with Vitrified Marbonite tiles of stain free nano polish approved quality and colour of size 600x600x8mm thick of approved make, quality and colour in all floors over a base layer of cement mortar 1:3(one cement three sand) 20mm thick and laid straight alignment and pointed neatly with colour cement at the rate of 0.40kg/m2 laid without any air gap in the tiles neatly and fixing in position as per standard specifications and as directed by the departmental officer. The colour & quality of tiles should be got approved by Municipal Engineer before use on work | 126.00 | 1M2 (One square metre) | | | 0.00 | INR Zero Only |
| 14 | Dadoing walls with Glazed tiles of sizes 305mm X200mm X 6mm size of approved make and quality and colour I Set in cement mortar 1:2 (one cement ,two sand) over 10 mm base layer plastering and pointing with white cement neatly as directed. | 68.00 | 1M2 (One square metre) | | | 0.00 | INR Zero Only |
| 15 | Laying the Flooring with Anti skid coloured ceramic tiles of sizes 305mm X305mm X 6mm size of approved make and quality and colour I Set in cement mortar 1:3 (one cement ,three sand) over 10 mm base layer plastering and pointing with white cement neatly as directed. | 42.00 | 1M2 (One square metre) | | | 0.00 | INR Zero Only |

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| 16 | Supplying and fixing in position Cement based hydraulically pressed Anti-Skid tiles (Eurcon pattern design) 20 mmthick in cement mortar 1:3 - 20mm thick & pointed with same colour of cement etc., complete as per standard specification | 15.00 | 1M2 (One square metre) | | | 0.00 | INR Zero Only |
| 17 | Stainless Steel (Salem Stainless Steel) Door Frame (Box Section using Stainless Steel Plate of 1.6mm thick) of size 100mm x 60mm with a rebate of 30 / 35mm x 15mm on one side of the frame including supplying and fixing dovetail splayed end stainless steel hold fast etc | 33.00 | 1Mtr (One running metre) | | | 0.00 | INR Zero Only |
| 18 | Solid Core Flush Shutters with teakply on both side with teakwook lipping alround 35mm thick, Labour wrought and put up in position Shutters for fully panelled doors internal five plywood panels including labour charges for fixing furniture fittings complying with standard drawings and standard specification. | 16.00 | 1M2 (One square metre) | | | 0.00 | INR Zero Only |
| 19 | Supplying and fixing UPVC (Un-Plasticized PolyvinylChloride) Louvered Window of from the profile the size of outer frame 60mm x 58mm and shutter profile size of 60 x 78mm both profiles are reinforced with GI/1mm 125GSM and 100% corrosion free, the profile are multi chambered sections with wall thick of 2mm. The EPDM rubber (black colour) covered with all over the edges of frame and shutter. The corners and joints should be welded and cleaned. Radiations pin headed glass 4mm thick should be provided in the louvers. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. The ventilator should be got approved from the Executive Engineer before use on work | 19.00 | 1M2 (One square metre) | | | 0.00 | INR Zero Only |

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| 20 | Supply and fixing of M.S Grills with Doors and Windows with one coat of Red oxide with Primer including all costs such as welding,grinding and fabrication charges, cost and conveyance of all materials to site etc,complete as per standard specification. | 550.80 | 1Kg(One Kilo Gram) | | | 0.00 | INR Zero Only |
| 21 | Manufacturing, Supplying and Fixing of Stainless Steel Hand rails for staircase using 50mm dia 304L Grade Stainless Steel pipe of 1.60mm thick at required locations to a height of 900mm from finished floor level welded to 38mm dia Stainless Steel pipe post of 1.00mm thick as vertical at 900mm centre with 2 Nos. of 25mm dia intermediate horizontal stainless steel pipe of 1.60mm thick in between. The vertical pipe has to be welded to the 100 X 100 X 6mm MS base plate encased in the base concrete. The rate is inclusive of the charges for cutting, bending, welding, grinding, polishing, conveyance, electrical charges, etc. complete | 22.00 | 1M2 (One square metre) | | | 0.00 | INR Zero Only |
| 22 | White washing two coats with freshly burnt shell lime white in colour in all floors including cost of lime and other materials brushes scaffolding charges etc.complete complying with standard specification and as directed. | 147.00 | 1M2 (One square metre) | | | 0.00 | INR Zero Only |
| 23 | Painting two coats with ready mixed Interior Plastic Emulsion Paint approved quality and colour with Primer for Plastic Emulsion Paint, including thorough scrapping, clean removal of dirt, etc complete and including necessary plaster of paris, putty, wherever required etc, complete as per standard specification. | 193.00 | 1M2 (One square metre) | | | 0.00 | INR Zero Only |

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|-------|--|--------|------------------------|--|--|------|---------------|
| 24 | Painting two coats with ready mixed Exterior Emulsion Paint approved quality and colour With priming coat for Exterior Emulsion Paint - Water Based Primer (Liquid)including thorough scrapping, clean removal of dirt, etc complete and including necessary plaster of paris, putty, wherever required etc, complete as per standard specification. | 353.00 | 1M2 (One square metre) | | | 0.00 | INR Zero Only |
| 25 | Painting two coats with Ready Mixed Enamel Paint over the new iron works of approved quality and colour without priming coat including the cost all materials etc.,complete, in all floors. | 50.00 | 1M2 (One square metre) | | | 0.00 | INR Zero Only |
| 26 | Internal Water Supply - P.V.C. Pipes (6Kg/SqCm) Supplying laying and jointing P.V.C pipes (6Kg/SqCm) of approved quality and best variety conforming to I.S.S & with I.S.I mark, of the following sizes including cutting , Fixing to PVC specials using Adhesive but excluding cost of such specials and fixing to wall with necessary teak - Wood Plugs,PVC Clamps and screws,making holes on the wall or drilling holes in roof and making good the dismantled portions to original condition with necessary brick work and plastering wherever necessary with necessary scaffolding charges. | | | | | | |
| 26.01 | a) 20mm dia PVC Pipe | 18.00 | 1Mtr(one Metre) | | | 0.00 | INR Zero Only |
| 26.02 | b) 25mm dia PVC Pipe | 12.00 | 1Mtr(one Metre) | | | 0.00 | INR Zero Only |
| 26.03 | c) 110mm dia PVC Pipe | 24.00 | 1Mtr(one Metre) | | | 0.00 | INR Zero Only |
| 26.04 | d) 110mm dia Door Elbow | 3.00 | 1No(One number) | | | 0.00 | INR Zero Only |
| 26.05 | e) 110mm dia Plain Tee | 3.00 | 1No(One number) | | | 0.00 | INR Zero Only |

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| 27 | Wiring with 2x1.5sqmm (22/0.3) PVC insulated unsheathed SC Cu. Conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessoires with TW switch box and 5A F.T. switch in flush with wall with 3mm thick hylum sheet cover for making good of the concealed portion with suitable colour for PVC concealed light point / fan point (For electronic regulator) (SD - 25) | 48.00 | 1 Pts (One Point) | | | 0.00 | INR Zero Only |
| 28 | Wiring with 2x1.5sqmm (22 / 0.3) PVC insulated single core unsheathed copper conductor cable of 1100V grade in suitable heavy gauge MS conduit pipeon wall and ceiling with M.S.accessories inflush with wall with 150mm x 100mm x 75mm MS switchbox with 3mm thick hylum sheet cover for 5A 3pin non interlocking CS plug with continuous earth wire connection of 14SWG TC wire and making good of the concealed portion with suitable colour for concealed plug point. (SD - 38) | 16.00 | 1 Pts (One Point) | | | 0.00 | INR Zero Only |
| 29 | Wiring with 2x4 sqmm(56/0.3) PVC insulated SC unsheathed Cu.Conductor cable of 1100V grade in suitable heavy gauge MS conduit pipe concealed In wall and ceiling with M.S.accessories in flush with wall with 150mm x 100mm x 75mm MS switch box concealed type with 3mm thick hylum sheet cover for 15A 3 pin flush type non interlocking C.S.plug with continuous earth wire connection of 14SWG TC wire and rnaking good of the concealed portion with suitable colour for concealed power plug point (SD - 40) | 16.00 | 1 Pts (One Point) | | | 0.00 | INR Zero Only |
| 30 | Supply and fixing of single box type 4'20 W LED light fitting complete with copper choke and condensor with TW round blocks on wall or ceiling with flu tube with PVC unsheathed Copper leads from terminals to the fitting. (SD - 88) | 24.00 | 1No(One number) | | | 0.00 | INR Zero Only |

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| 31 | Supply and fixing of WT bulk head fitting with guard (Philips / Bajaj / Crompton / K. Lite) suitable for 11W CFL lamp with CFL. (SD - 83) | 6.00 | 1No(One number) | | | 0.00 | INR Zero Only |
| 32 | Supply and fixing of 1200 mm (48") sweep AC ceiling fan complete with stepped electronic 300W regulator, with 1 metre down rod with fan clamp with side plates and cross arm of size 450 mm (18") (SD - 106) | 16.00 | 1No(One number) | | | 0.00 | INR Zero Only |
| 33 | Supply and fixing of TNEB meter Board suitable for 32A Three Phase service connection with 3 Nos. 32A Fuse unit (500V) 32A neutral link and earth link (1" x 1/8" Copper flat) on TW plank of size 600mm x 450mm x 19mm with supporting TW reepers of 1" thick on either side with painting with suitable bolt and nuts for fixing the TW plank on wall with earth connection and inter connection with 7/20 PVC insulated copper wire from EB meter to fuse unit. (SD - 127) | 1.00 | 1No(One number) | | | 0.00 | INR Zero Only |
| 34 | Supply and fixing of 32 Amps DP Switch of 500V with metal clad with fuse and neutral (Side Handle) on suitable TW Board with PWD Earthing (SD - 143) | 1.00 | 1No(One number) | | | 0.00 | INR Zero Only |
| 35 | Supply and run of 4 x 6 sq.mm (84/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100V grade in 32mm dia GI pipe (Class 'B') suitably bent at both ends with necessary angle iron up right and end supports for mains (SD - 73) | 20.00 | 1Mtr (One running metre) | | | 0.00 | INR Zero Only |
| 36 | Supply and fixing of brass cable gland for 2 x 6 sq.mm PVC LTUG armoured cable with earth connection. (SD - 181) | 70.00 | 1Mtr (One running metre) | | | 0.00 | INR Zero Only |
| Total in Figures | | | | | | 0.00 | INR Zero Only |
| Quoted Rate in Words | | INR Zero Only | | | | | |