

**TENDER SCHEDULE**

**Name of the work : Providing Concrete Bed and Roof Covering for Ready made Containers near Workshop area at CMC Ranipet Campus**

| Sl.No | Quantity |                | Description of the work  | Rate | Units           | Amount |
|-------|----------|----------------|--|------|-----------------|--------|
| 1     | 165.07   | M <sup>3</sup> | <b>Earth work excavation for foundation and trenches</b> in ordinary soil <b>upto a depth of 1.50 m</b> incl. refilling the sides of foundation with selected excavated earth, watering, ramming and consolidation etc. complete.  |      | 1M <sup>3</sup> |        |
| 2     | QRO      | M <sup>3</sup> | <b>Earth work in open space excavation</b> for kerb wall, paver block up to 30cm depth in ordinary soil including cost for dressing of sides, ramming of bottom etc complete.  |      | 1M <sup>3</sup> |        |
| 3     | 85.29    | M <sup>3</sup> | <b>Filling in basment floor/sides of foundation in layers with selected excavated earth available at site</b> upto layer of 300mm height including breaking clods,watering,compacting each layer with heavy earth rammers to achieve 90 to 95% proctor density at optimum moisture content,all leads and lifts as directed by Engineer in Charge   |      | 1M <sup>3</sup> |        |
| 4     | QRO      | M <sup>3</sup> | <b>Supply and filling of M-Sand for foundation and where ever required</b> including watering,ramming and consolidation etc complete.  |      | 1M <sup>3</sup> |        |
| 5     | 23.03    | M <sup>3</sup> | <b>Providing and placing of Plain Cement concrete 1:4:8</b> using 40mm size HBG machine broken jelly and M-Sand including mixing with mixer machine,laying, compacting and curing etc. complete.for foundation /flooring.  |      | 1M <sup>3</sup> |        |
| 6     | 4.56     | M <sup>3</sup> | <b>Providing and laying in position plain cement concrete 1:2:4</b> using 20mm down graded HBG machine broken jelly free from flakes and M-sand incl. mixing in mixer machine, laying, consolidation using vibrator, cost of all materials, curing etc complete for Ramp   |      | 1M <sup>3</sup> |        |
| 7     | 24.46    | M <sup>3</sup> | <b>Providing and constructing 200 mm thick wall with solid block work in CM 1:4</b> of size 400x150x200 mm of compresive strength 35kg/sq.cm for foundation and basement incl lead, lift, cost of all materials, sand , cement, and all materials curing etc complete as directed.   |      | 1M <sup>3</sup> |        |
| 8     | 1.41     | MT             | <b>Supplying, bending, cutting and fabricating of Steel reinforcements using Thermo Mechanically Treated Bars</b> of various diameters of grade FE 500 for reinforced concrete work. The work includes cutting, bending, fabricating and placing in position according to drawings, at all levels including supply and use of 18 gauge black annealed binding wire double fold to tie the bars in position and providing precast cement cover blocks for main reinforcements to ensure specified cover according to relevant ISI code. |      | 1MT             |        |
| 9     | 136.08   | M <sup>2</sup> | <b>Supplying, fixing and removing of 12mm thick waterproof plywood formwork in line and level</b> with materials as indicated for RCC elements at locations as stated, including all props, struts, sealing all joints between sheets to prevent leakage of slurry, treating the surface with approved oils and removing the formwork. . The work shall be carried out as per technical specifications given herewith.<br><b>Note: total surface area in contact with concrete shall be measured.</b>                                  |      | 1M <sup>2</sup> |        |

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|-------|----------|----------------|--|------|-----------------|--------|
| 10    | 16.56    | M <sup>3</sup> | <b>Providing and laying in position R.C.C. of following M20 grade concrete in volumetric mix 1:1.5:3</b> using 20mm down graded, HBG coarse aggregate, fine aggregate with M-sand, water cement ratio of 0.55 preparation and laying with mixer machine with needle vibrator and compacting and curing of the concrete, excluding the cost of shuttering/centering and reinforcement steel which shall be quoted separately,curing etc complete as directed.a) for Foundation b) for Plinth Beam.  |      | 1M <sup>3</sup> |        |
| 11    | QRO      | M <sup>2</sup> | <b>Providing and plastering to external surfaces of brick walls and concrete surfaces with 20mm sand faced plaster (CM 1:5)</b> including hacking concrete surfaces finishing to obtain sand finish even surface accurate to vertical bob, providing grooves as shown in the drawingd scaffolding, lead and lift etc complete  |      | 1M <sup>2</sup> |        |
| 12    | QRO      | M <sup>2</sup> | <b>Providing and painting external plastered surface at all levels and locations with external grade emulsion paint new surface of Asian Apex Suprema approved or equivalent,</b> to given an even shade, inclduign thoroughly cleaning and sanding the surface, applying primer coat of same paint mixed with water in 1:1 and two coats external grade emulsion paint incl cost of all materials, brush, scaffolding, providing protective coves and cleaning thoroughly all surrounding areas etc complete  |      | 1M <sup>2</sup> |        |
| 13    | 7.84     | MT             | <b>Supply, Cutting , bending fabricating and erecting in position of MS structural steel,</b> Base plates, gate.,etc.,at all levels , locations lead & lift using rolled section ISMC, ISMB, channels , plates,sheets , flats, bars etc., including bolts , making of necessary templates as directed , cutting, welding, surface by sanding down throughly , grinding smooth all weld burrs and filling with metal paste where ever required and finished one coat of zinc chrome primer and 2 coats approved metal enamel paint of approved primer , etc as per skecth and drawing ., complete as directed.All the structural fabrication had to be done as per approved shop drawing, and as per site condition, The weight of steel will be taken as indivudal section weight as well as fabricated component weight   |      | 1MT             |        |
| 14    | 479.32   | M <sup>2</sup> | <b>Providing and fixing approved make Prepainted Galvalume steel profile sheets for roof covering and Ridge sheet</b> (size,shape and pitch of corrugation as approved by Engineer in charge) 0.50mm(+0,-0.003mm), total coated thickness upto AZ - 150 as per IS :277, in 240mpa steel grade,5-7 microns epoxy primer on both side of the sheet. and polyster top coat 15-18microns, sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto size specified in drawing. the sheet shall be laid using self drilling/self tapping screws of size.(5.5x55mm) with EPDM seal and as per manufacture specification,complete upto any pitch and cutting to shape,all leads and lifys, accessories,etc., as directed by engineer incharge and as per drawing excluding the cost at structural steel work which will be paid separately. |      | 1M <sup>2</sup> |        |

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|--|----------|----------------|---|------|-----------------|--------|
| 15   | QRO      | Rmt            | <b>Supplying and fixing gutter using prepainted Galvalume steel plain sheets</b> of TATA / Jindal make 0.6mm thick bend to profile with necessary overlap total coated thickness upto AZ-150 as per IS:277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of sheet and polyster top coat 15-18 microns using self drilling / self tapping screws complete as per drawing and maunfacturer specification. <b>For gutter 900mm over all perimeter</b>   |      | 1Rmt            |        |
| 16   | QRO      | Rmt            | <b>Supplying and fixing on wall face unplasticised rigid PVC rain water down take pipe line 110mm dia</b> conforming to IS 13592 type- A of supreme / approved equivalent as per layout details including all necessary PVC specials and jointing solvent / rubber ring seal, wall clamps, screws etc.,complete   |      | 1Rmt            |        |
|  |          |                | Supplying and fixing of required size brackets and clamps using MS Angles, MS flats, and MS threaded rods as instructed by Engineer including one coat of metal primer, two coats with synthetic enamel paint making holes in wall for fixing cement concrete for packing finishing the surfaces etc., complete   |      |                 |        |
| 17   | QRO      | Cum            | <b>Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete</b> in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineerin-charge). |      | 1Cum            |        |
| 18   | 406.56   | M <sup>2</sup> | <b>Providing and fixing rubber moulded interlocking cement concrete paver block M40 Grade of 80mm thick design and shape ,laid in required pattern over 100 mm thick sand cushion includes the cost of filling the joints with fine M-sand</b> , compaction using vibratory compactor,cleaning ,etc.,complete as directed by the engineer incharge.   |      | 1M <sup>2</sup> |        |
| 19   | QRO      | No             | <b>Towards the charges for unloading the each readymade containers and erecting and placing in position firmly</b> including the charges for engaging heavy duty Hydro/crane for unloading and shifting and placing in position as directed by the Engineer in charge .   |      | 1No             |        |
| 20   | QRO      | lorry load     | <b>Transporting the debris/excess excavated earth by lorry</b> from Ranipet campus to within the campus ,wherever required as directed by the Engineer-in-charge including loading and unloading charges etc. complete.(Capacity 5.50 M3/per lorry load).   |      | 1lorry load     |        |
| <b>Total Amount in Rs. (Excl.GST)</b>      |          |                |   |      |                 |        |
| <b>Add GST at 18%</b>                      |          |                |   |      |                 |        |
| <b>Total Amount in Rs.,Incl GST at 18%</b> |          |                |   |      |                 |        |