



COCHIN PORT TRUST

COCHIN-682009, KERALA, INDIA

Tele: 91-0484-2666414, 2666871

Telefax: 91-0484-2666414

E-mail:coptce@gmail.com

**E-QUOTATION DOCUMENT FOR PROVIDING AND LAYING VITRIFIED
FLOORING TILES FOR 2 NOS CLASS ROOMS AT KV PORT TRUST**

Website:www.tenderwizard.com/CPT

EXE. ENGINEER(CM-I)'S OFFICE

COCHIN PORT TRUST

COCHIN-682009

QUOTATION No.T1/Q-01/2020-C

1.GENERAL CONDITIONS

1. The work consists of **“Providing and laying vitrified flooring tiles for 2 nos. class rooms at KV Port Trust”** and includes the following:
 - i) Providing and laying Vitrified floor tiles of size 600x600mm.
 - ii) Removing, repairing and refixing wooden doors.
 - iii) Providing and fixing SS wire mesh.
2. The bidders need to obtain the one time User ID & password for log-in to e-tendering Portal www.tenderwizard.com/COPT from the service provider M/s. KEONICS by paying registration amount of Rs.1124/- through online Payment using Credit/Debit Card/Net banking or DD in favour of “KSEDCL, Bangalore”.
3. The intending bidder must have valid Class-II or III digital signature certificate to submit the bid. For further details, please contact e-Tender Help Desk No. 080-40482000/ 080-49352000/ 9746118529/ 9605557738.
4. The quotationers shall have experience in taking up installation of DRDO Technology Bio- Digesters. Scanned copy of relevant certificate shall be submitted along with the quotation.
5. e-Quotations are invited only from the Registered contractors of Cochin Port.
6. The Quotation document will be available as two separate files in the e-quotation Portal; containing the following:
 - i. Quotation Notice & General Conditions.
 - ii. Schedule of Quantities of Work.
7. Both 5(i) & filled in 5(ii) above shall be submitted “Online” only. The name and address of the quotationers shall be necessarily entered in the space provided in the Schedule of Quantities of Work.
8. The Quotationer shall inspect the site before submitting the quotation in order to make them fully aware of the site and its conditions.
9. Clarifications if any required can be obtained by contacting the Asst. Exe. Engineer/ Asst. Engineer of concerned Civil section.
10. The work shall be completed within 60 Days from the date of receipt of work order.
11. The Engineer-in-Charge of the work (Engineer’s Nominee/ Nominee) shall be Exe. Engineer (CM-I).
12. Payments will be made online after completing the work to the entire satisfaction of the Engineer-in-Charge and also after deducting the taxes prevailing in force at the time of payment of bills.
13. Water & Electricity
Water: Water, if required for the work, shall be arranged by the Quotationer at his own cost.
Electricity: The Quotationer shall make his own arrangements for the temporary connection for electricity required, if any, and make necessary payment for it direct to the Department concerned. No payment will be made by the Employer on this account.

14. The rate/percentage quoted shall be excluding Goods & Service Tax (GST).
15. The Quotationer shall have valid GST Registration number. GST as applicable for the work will be paid extra by the Port. The GST applicable as per law can be billed on the Port Trust, which will be paid to the Quotationer by the Board along with the bills, for which the Quotationer shall hold valid GST Registration number.
16. All materials, tools, plants and equipments required for completing the work shall be provided by the Quotationer at his own cost. All materials required for the work shall be got approved by the Engineer-in-Charge before using in the work. Any fittings or accessories which may not be specifically mentioned in the specification but are usual or necessary as per good industry practice, shall be provided by the Quotationer without extra cost to the Port. All works shall be carried out as per relevant ISS.
17. All labour, skilled or unskilled for the work shall be provided by the Quotationer at his own cost and settling any disputes with the labour shall be, Quotationer's responsibility.
18. All care and precautionary measures for avoiding any kind of damage/ accidents in the work site shall be taken by the Quotationer. All safety precautions shall be taken while carrying out the work. The Quotationer shall supply the necessary safety equipments to the workers employed by him and also ensure that they use it, while carrying out the work. The Quotationer shall be solely liable and responsible for accidents if any, occurring during the period of Contract.
19. The work shall be completed without causing any damage to the existing structures/cables etc. In case any damage is caused, the same has to be rectified at Quotationer's risk and cost.
20. The Port will in no way be responsible for any loss/damages caused in connection with the work.
21. The quantities specified in the schedule of quantities of work are only approximate and shall be increased or decreased at the discretion of the Engineer-in-Charge according to actual requirements. Payment will be made as per actual measurements, according to the percentage quoted.
22. Quotations shall be valid for a period of 60 days from the due date of submission of quotation.
23. Completion Period: The whole work shall be completed within 60 days from the date of receipt of work order. In case the Quotationer is not permitted to carry out the work due to some problem from Employer's side, he should maintain a record of such time lost, duly counter signed by the Engineer-in-Charge and this period will not be included while determining the delay in completion period. In case the works are not completed within the specified completion periods due to any fault of the Quotationer, it will be considered as a breach of contract and the Quotationer will not be considered for any other work in future.
24. Liquidated Damages: In case of delay in completion of the contract, liquidated damages (L.D) may be levied at the rate of half percent ($\frac{1}{2}\%$) of the Contract Price per week of delay, subject to a maximum of 10% of the Contract Price. The

amount of Liquidated Damages can be adjusted or set-off against any sum payable to the Quotationer.

25. Defects Liability Period: The defects liability period for the work shall be 12 months from the date of completion of the work. In the event of any defect/ deficiency being noticed during the period, which is attributable to the defective materials/design/ workmanship, the Quotationer shall make good the same at his cost.
26. Security Deposit: Security deposit @ 5% of Contract Price shall be recovered from the Quotationer's bill. The amount towards Security Deposit so deducted will be released only after successful completion of the defect liability period, subject to certification from the Engineer-in-Charge.
27. Execution of Agreement: The successful Quotationer will be required to execute within 14 days from the date of receipt of work order, an agreement at his expense on proper value Kerala State Stamp Paper in the prescribed departmental form, consisting of the work order issued to the Quotationer, together with the Quotation submitted by him including General Conditions, for the due and proper fulfilment of the contract.
28. Till signing of agreement, the Quotation together with the acceptance letter shall constitute a binding contract between the Quotationer and Cochin Port.
29. The Contractor shall comply with all the provisions of the Indian Workmen's Compensations Act, Public Liability Policy, Provident Fund Regulations, Employees Provident Fund and ESI Act etc. amended from time to time and rules framed there under and other laws affecting the Contract labour that may be brought in to force from time to time.
30. The Contractor shall be registered under EPF and ESI act and the employees employed under them shall be covered in the EPF and ESI Scheme, if required as per applicable rules. The Contractors shall regularly remit, the Employer & Employee contribution to the authorities in such cases. If not, the Dept. would be required to remit the same and the amount so remitted shall be deducted from the part/ final bill of Contractors.

SIGNATURE OF QUOTATIONER

2.SPECIFICATIONS FOR MATERIALS

1. GENERAL

- 1.1 Except where otherwise specified or authorized by the Engineer-in-Charge, materials supplied by the contractor shall conform to the latest edition of the Indian Standard Specifications and code of practices published by the Indian Standard Institution. Samples of materials to be supplied by the contractor shall be shown to the Engineer-in-Charge sufficiently in advance for approval of its quality for use on the work.
- 1.2 All materials supplied shall be stored appropriately to prevent deterioration/ damage from any cause what so ever and to the entire satisfaction of the Engineer-in Charge.
- 1.3 The materials required for the work shall be brought to the site and stacked at the places shown by the Engineer-in-Charge and the same shall be got approved for use in work sufficiently advance so that the progress of the work is not affected by the supply of materials.
- 1.4 Payment for the materials supplied, shall be given only after they are used on the work.
- 1.5 Tolls are payable by the contractor as per rules for vehicles using the Port's road for supplying the materials.

2. CEMENT

- 2.1 Quality of cement used for the work shall be 43 grade ordinary Portland cement conforming to I.S. 8112 or 53 grade ordinary Portland cement conforming to I.S. 12269 or Pozzolona cement conforming to I.S. 1489 unless otherwise approved by the Engineer-in-Charge.
- 2.2 The cement required for the work will have to be procured by the contractor and shall comply with the relevant IS. As far as possible, the cement required for the work will have to be procured from the government agencies. The cement shall, if required by the Chief Engineer / Engineer-in-Charge, be tested and analyzed by an independent analyst at the Contractor's cost and result produced to the Engineer-in-Charge.
- 2.3 Supply of cement shall be taken in 50kg bags bearing manufacture's name and ISI marking. Samples of cement arranged by the Contractor shall be taken by the Engineer-in-Charge and got tested in accordance with provisions of relevant B.I.S codes. In case, test results indicate that the cement arranged by the Contractor does not conform to the relevant B.I.S codes, the same shall stand rejected and shall be removed from the site by the Contractor at his own cost within a week's time of written order from the Engineer-in-Charge to do so.

- 2.4 A cement godown of adequate capacity as directed by the Engineer-in-Charge shall be constructed by the Contractors at the site of the work for which no extra payment shall be made. Double lock provision shall be made to the door of the cement godown. The key of one lock shall remain with the Engineer-in-Charge or his authorized representative and the key of the other lock shall remain with the Contractor. The Contractor shall be responsible for the watch and ward and safety of the cement godown. The Contractor shall facilitate the inspection of the cement godown by the Engineer-in-Charge.
- 2.5 The cement brought to the site and cement remaining unused after completion of work shall not be removed from the site without written permission from /of the Engineer-in-Charge.
- 2.6 The cement shall be stored in a weather proof building with facilities for inspection.
- 2.7 The Contractor shall maintain a cement register showing dates of receipt and issue, quantities used daily and balance which shall be accessible to the Engineer-in-Charge.

3. WATER

- 3.1 Clean fresh water free from oils, acids, alkalies, salt, sugar, organic materials or other harmful materials shall be used for washing aggregates, mixing and curing of concrete. The water used shall comply with clause 5.4 of I.S. 456-2000. Potable water is generally considered good for mixing concrete.
- 3.2 Cochin Port Trust will not provide/supply water for the work. Water has to be arranged by the Contractor himself for the cleaning, painting and construction works including curing work at his own risk and cost.
- 3.3 Samples of water arranged by the Contractor shall be taken by the Engineer in Charge and got tested in accordance with the provisions of relevant BIS codes. In case test results indicate that the water arranged by the Contractor does not conform to the relevant BIS codes, the same shall not be used for any works. The cost of tests shall be borne by the Contractor.

4. SAND FOR MAKING MORTAR FOR MASONRY WORK/ PLASTERING WORK

- 4.1 Sand used for masonry mortar shall conform to IS: 2116. Sand used for plastering shall conform to IS: 1542.

5. VITRIFIED FLOORING / SKIRTING TILES

- 5.1 Tiles shall be of approved premium quality, Johnson or Khajaria or Asian or Somany or Orient Bell make and of approved colour and shade. The tiles shall be generally conforming to IS:13756/ IS:15622 with water absorption less than 0.08% and having modulus of rupture greater than 500kg/sq.cm & modulus hardness 8.0. The tiles shall be flat, true to shape and free from cracks, crazing

spots, clipped edged and corners. The tiles shall be of 600mm x 600mm size or nearest available higher size and shall have minimum thickness of 10mm.

- 5.2 The top surface of the tiles shall be glossy/ mat finish / antiskid as specified in the Schedule of quantities and as approved by the Engineer-in-Charge. The underside of the tiles shall be completely free from glazing in order to adhere properly to the base.
- 5.3 Manufactures test Certificate for water absorption, breaking strength, abrasion resistance and crazing has to be produced by the contractor.

6. MATERIALS NOT SPECIFIED

- 6.1 All materials not herein detailed and fully specified but which may be required for use on works, shall be subjected to the approval of the Engineer-in-Charge without which they shall not be used anywhere in the permanent works

7. SAMPLING AND TESTING OF MATERIALS

- 7.1 Sampling and testing of the material supplied by the contractor for use on the Work shall be done as per the provisions of the relevant BIS codes/specifications. In the absence of BIS specification in a particular case, the sampling and testing shall be done as directed by the Engineer-in-Charge as per sound engineering practice. Material conforming to the specifications and approved by the Engineer-in-Charge shall only be used by the Contractor.
- 7.2 All the sampling and testing shall be done at the Contractor's cost.

SIGNATURE OF QUOTATIONER

3.DETAILED SPECIFICATIONS FOR ITEMS OF WORKS

1. GENERAL

- 1.1 Except where otherwise specified or authorized by the Engineer-in-Charge, materials supplied by the contractor shall conform to the latest edition of the Indian Standard Specifications and code of practices published by the Indian Standard Institution. Samples of materials to be supplied by the contractor shall be shown to the Engineer-in-Charge sufficiently in advance for approval of its quality for use on the work.
- 1.2 All materials supplied shall be stored appropriately to prevent deterioration/ damage from any cause whatsoever and to the entire satisfaction of the Engineer-in-Charge.
- 1.3 The materials required for the work shall be brought to the site and stacked at the places shown by the Engineer-in-Charge and the same shall be got approved for use in work sufficiently in advance so that the progress of the work is not affected by the supply of materials.
- 1.4 Payment for the materials supplied, shall be given only after they are used on the work.
- 1.5 Tolls are payable by the contractor as per rules for vehicles using the Port's road for supplying the materials.

2. CEMENT PLASTERING

- 2.1 Cement plastering shall be with the grade of mortar and of thickness specified in the schedule. The surface to be plastered shall be thoroughly cleaned and kept wet for 4 hours before plastering.
- 2.2 All the corners shall be rounded off to a radius of 25 mm unless otherwise specified.
- 2.3 Where smooth finishing is specified in the schedule the plastering shall be floated over with neat cement slurry using 2.2 kg of cement per square metre immediately after the final coat of plastering and rate quoted for plastering shall include cost of this finishing work.
- 2.4 The plastered surface on which glazed tiles or other similar type of finishing are to be provided subsequently shall not be finished smooth but shall be scarified for forming a base for providing the final surface finish as required.
- 2.5 The surface shall be cured for 7 days.
- 2.6 The rate shall include all labour and materials including scaffolding, plastering of jambs, sills, soffits or opening, providing grooves at edge of sunshade, curing etc. required for completion of work. Measurement of the work under this head shall be made on the basis of the area of work done.

3 PROVIDING FLOORING WITH VITRIFIED FLOOR TILES/ CERAMIC FLOOR TILES

- 3.1 The tiles shall be set in cement mortar 1:4 (1 cement : 4 sand) of average 20 mm thick laid to required level/ slope. Before laying cement mortar, the concrete surface shall be scrubbed with wire brush, all loose particles, foreign matters etc. shall be removed and the surface shall be made clean. Any undulations in the

concrete shall be chipped off or made good with additional concrete of the same grade used for the under layer. The surface thus prepared shall be wetted and smeared with a coat of cement slurry using cement at the rate of 2.2 kg/m^2 of area just before the application of the mortar, so as to get good bond between base course concrete and plastering. For fixing tiles to mortar, neat cement slurry of honey like consistency using cement at the rate of 3.3 kg/m^2 shall be smeared on top of mortar bed. The joints between the tiles shall be uniform and of minimum thickness.

- 3.2 After laying the tiles, the surplus cement grout along the joints shall be cleaned off. The day after the tiles are laid, all joints shall be cleaned with wire brush to a depth of 5mm and pointed with tile jointing powder, of same colour as tiles, of approved make.
- 3.3 When the floor is ready to use the same shall be washed clean and dried with soft cloth or linen. If any tile is disturbed or damaged it shall be refitted or replaced and properly jointed and pointed.
- 3.4 Measurement of the work under this head including cement mortar bed shall be made on the basis of the area of work done and rate quoted shall include the cost of all labour, materials, scaffolding etc required for completion of work.

SIGNATURE OF QUOTATIONER