

**COCHIN PORT TRUST**

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Quotation No:T6/T-1961/2022-C Date:09/03/2022



**Name of Wok:“PROVIDING AND ERECTING E-TOILETS AT CFS”**

**SCHEDULE- A- SCHEDULE OF QUANTITIES OF WORK**

Please Enter the Contractor Name

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
1	Providing and fixing up to floor five level precast cement concrete solid block, including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete : 1:1½:3 (1 Cement: 1½ coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size) including cost of all labour, materials, tools, equipments, scaffolding, curing etc. complete as per detailed specifications and directions of Engineer-in-Charge.	1.50	One Cubic Metre	19354.16	Rupees Nineteen Thousand Three Hundred Fifty Four and Sixteen Paise Only	29031.24	Rupees Twenty Nine Thousand Thirty One and Twenty Four Paise Only
2	Providing & filling with 6mm metal mixed with quarry dust inside basement including consolidation including cost of all labour, materials, tools, equipments etc. complete as per specifications the directions of Engineer-in-Charge.	2.60	One Cubic Metre	3099.70	Rupees Three Thousand Ninety Nine and Seventy Paise Only	8059.22	Rupees Eight Thousand Fifty Nine and Twenty Two Paise Only

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3	Providing and laying in position cement concrete of specific grade excluding the cost of centering and shuttering - All works up to plinth level- 1:2:4 (1 Cement: 2 Course Sand: 4 Graded Stone Aggregate 20mm nominal size) including cost of all labour, materials, tools, equipments, curing etc. complete as per detailed specifications and directions of the Engineer-in-charge.	1.30	One Cubic Metre	9968.69	Rupees Nine Thousand Nine Hundred Sixty Eight and Sixty Nine Paise Only	12959.30	Rupees Twelve Thousand Nine Hundred Fifty Nine and Twenty Nine Paise Only
4	Plastering with Cement Mortar 1:3 (1 Cement : 3 Fine Sand) 12mm thick finished with a floating coat of neat Cement slurry including cost of all labour, materials, tools, scaffolding, curing etc. complete as per detailed specifications and directions of the Engineer-in-charge.	24.00	One Square Metre	463.23	Rupees Four Hundred Sixty Three and Twenty Three Paise Only	11117.52	Rupees Eleven Thousand One Hundred Seventeen and Fifty Two Paise Only

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5	<p>Supply, installation, Testing &amp; Commissioning of bio-digester enabled modular, unmanned and automated environment friendly pre-fabricated public toilets made of Stainless Steel Grade 304. The super structure of the electronic toilet to have aesthetic ambience with inner room size not less than 1.20 x 0.80 x 2.10M (LxWxH). Size of Electronic Toilet- overall size more than - 2.50M x 1.50M x 3.00M (LxWxH) total area not more than 4 Sq.m. The toilet shall have access controlled main door and side walls made of Stainless Steel Grade 304. Toilet floor and closet are to be Stainless Steel grade 304. The toilet shall have built-in water tank with minimum 500 Litre capacity. Access control using coin validator for entering the unit based on Automatic Payment Collection mechanism. Exit from the unit should be manual. Toilets shall have Automatic lights inside the unit, which glows on opening the door. Automatic flushing system which includes</p>						

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	<p>(a) Automatic Pre-flush cleaning before use  (b) Automatic closet washing mechanism after use and (c) Automatic Platform cleaning mechanism programmed after specific number of users. In addition to this, flush switch is to be provided for manual operation. 'Ready to use', 'Busy' are to be provided in the unit. Web enabled support- GPRS based Real-time data to be provided from the unit (through web) to control room for knowing the health status like water level low, number of users per day and coin collected. It shall be modular and portable design enabling easy assembling and installation at site. Status Display in LED, printed instruction stickers in two languages are to be provided. Provisions for Advertisement display to be provided on the exterior of the unit. Toilets shall have Voice Guidance, Hooter or Alarm in the unit in case of pro-longed usage or thefts.</p>						

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	<p>Backup power facility like UPS is to be provided to supplement up to 45 minutes. Call Centre and Web portal facilities for registering complaints and tracking. Two Toilets shall be connected to a bio-digester of tank capacity 2M3 working on DRDO's approved anaerobic treatment system. The FRP bio-digesters shall be with average thickness of 25mm coated with FRP internally to make it waterproof and 30% Anaerobic Microbial Inoculum Bacteria (AMI). The manufacturer of bio-digester should be an authorised licensee and holder of 'transfer of technology' of DRDO's bio-digester technology. The rate quoted shall include cost for all incidental charges, warranty for the system for a period of 1 year from the date of commissioning of the system all complete as per approved drawings and specification and as directed by engineer in charge. Any civil works connected with the instalation of electronic toilets and bio-digesters other than the above shall be carried out by the contractor.</p>						

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5.1	2 cum. Capacity FRP Bio- digesters working on DRDO's anaerobic treatment system	1.00	No.	102898.00	Rupees One Lakh Two Thousand Eight Hundred Ninety Eight Only	102898.00	Rupees One Lakh Two Thousand Eight Hundred Ninety Eight Only
5.2	Pre-fabricated electronic toilets	2.00	No.	620000.00	Rupees Six Lakh Twenty Thousand Only	1240000.00	Rupees Twelve Lakh Forty Thousand Only
	<b>Total Amount (Rs.)</b>					1404065.28	<b>Rupees Fourteen Lakh Four Thousand Sixty Five and Twenty Seven</b>

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<b>BIDDERS QUOTING AREA</b>							
				Departmental Estimated amount	Percentage quoted above/ below the Departmental Amount		Above/ Below
Percentage quoted above/ below the departmental amount shown in the above schedule					In Figures	In Words	
	<b>Notes :</b> 1.The quotationer shall quote either plus or minus sign (eg: +5 or -5) and in figures and words 2. Only two decimal digits shall be accepted 3.quotationers shall also quote Above/ Below in words themselves in the last column. 4.In case of discepancy in words and figures the quoted figure in word will prevail 5.Wrongful entry of quotes shall entail disqualifications besides other actions as the Employee deem fit.			1404065.28			
<b>" This is an Electronic Submission. No Need of Signature"</b>							