

# KCCP LIMITED

(A Govt. of Kerala Undertaking)  
"CLAY HOUSE", PAPPINISSERI PO. 670 561, KANNUR DT. KERALA  
Telephone: 0497-2787671 & 2789633 Fax: 0497-2787281,  
E-mail: [keralaclays@gmail.com](mailto:keralaclays@gmail.com)

Ref: KCCP/TENDER/2522/2021-22

Date: 08.02.2022

## NOTICE INVITING E-TENDER

**Tender ID: 2022\_KCCPL\_473564\_1**

Competitive e-tenders are invited through e-procurement from manufacturer/supplier for supply, erection and commissioning of DM Water Plant 1000 Ltr/Hour capacity at Kannapuram Unit, Kannur Dist.

Cost of Tender form : Rs.3,098/- (Including GST)  
EMD : Rs.9,000/-  
Tender closing date : 28.02.2022 at 4.00 PM  
Technical bid opening date : 02.03.2022 at 11.00 AM

For details please visit [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in)

Sd/  
**MANAGING DIRECTOR**

## TECHNICAL DETAILS OF DM PLANT

SL NO	ITEM DESCRIPTION	SPECIFICATION
1.	<b>FEED PUMP</b>	
	Type of Pump	Horizontal Centrifugal Pump
	Capacity	2m <sup>3</sup> / Hour @ 20 Mtr Head
	Power	1.5 HP/1.1 Kw/3 Phase
	Material of Construction	Cast Iron
	Accessories	Base Plate, Coupling, Valve, etc.
	Quantity	1 No
	Make	Kirlosker/Equivalent
2.	<b>CHLORINATION THROUGH DOSING PUMP CAPACITY 6 LTS/HR</b>	
	Quantity	1 No
3.	<b>MULTI GRADE FILTER</b>	
	Size of Vessel	400 mm Dia x 1625 mm Height
	Material of Construction	Fiber Reinforced Plastic
	Flow Rate	1 M <sup>3</sup> /Hr
	Pressure of Operation	1.0 Kg/cm <sup>2</sup>
	Media	Sand Media
	Interconnecting Piping	uPVC Pipe Lines

	Valves	Multiport Valve
	Quantity	1 No
4.	<b>DE CHLORINATION THROUGH DOSING PUMP CAPACITY 6 LTR/HR</b>	
	Quantity	1 No
5.	<b>ACTIVATED CARBON FILTER</b>	
	Size of the Vessels	400mm Dia x 1625mm Height
	Material of Construction	Fiber Reinforced Plastic
	Flow Rate	1 M <sup>3</sup> /Hr
	Pressure of Operation	1.0 Kg/cm <sup>2</sup>
	Media	600 iv Activated Carbon Media
	Interconnecting Piping	uPVC Pipe Lines
	Quantity	1 No
6.	<b>BUFFER TANK</b>	
	Capacity	2000 Ltr
	Material of Construction	High Density Poly Ethylene Tank
	Make	Sintex/Kacery/Equal
	Quantity	1 No
7.	<b>FEED PUMP</b>	
	Type of Pump	Horizontal Centrifugal Pump
	Capacity	2m <sup>3</sup> / Hour @ 20 Mtr Head
	Power	1.5 HP/1.1 Kw/3 Phase
	Material of Construction	SS 304
	Accessories	Base Plate, Coupling, Valve, etc.
	Quantity	1 No
	Make	Lx/ Adelino/Equivalent
8.	<b>STRONG ACID CATION BED</b>	
	Size of the Vessels	400mm Dia x 1625mm Height
	Material of Construction	Fiber Reinforced Plastic
	Flow Rate	1 M <sup>3</sup> /Hr
	Pressure of Operation	1.0 Kg/cm <sup>2</sup>
	Media	Cation Resin
	Make	Iron Exchange/Equal
	Interconnecting Piping	uPVC Pipe Lines
	Valves	Multiport Valve
	Regeneration Chemical	HCL
	Regeneration After 10 hours Operation Cycle	Regeneration Time 85 Minutes
	Regeneration Tank	100 Ltrs/Low Density Poly Ethylene Tank
	Quantity	1 No
9.	<b>STRONG BASE ANION BED</b>	
	Size of the Vessels	400mm Dia x 1625mm Height
	Material of Construction	Fiber Reinforced Plastic
	Flow Rate	1 M <sup>3</sup> /Hr
	Pressure of Operation	1.0 Kg/cm <sup>2</sup>
	Media	Anion Resin
	Make	Iron Exchange/Equal

	Interconnecting Piping	uPVC Pipe Lines
	Valves	Multiport Valve
	Regeneration Chemical	NaOH
	Regeneration Cycle after 10 hours Operation Cycle	Regeneration Time required 85 Minutes
	Regeneration Tank + Agitator	100 Ltrs/Low Density Poly Ethylene Tank
	Quantity	1 No
10.	<b>MIXED BED VESSEL</b>	
	Size of the Vessels	300mm Dia x 1200mm Height
	Material of Construction	Fiber Reinforced Plastic
	Flow Rate	1 M <sup>3</sup> /Hr
	Pressure of Operation	1.5 Kg/cm <sup>2</sup>
	Media	Mixed Bed Resins/ Iron Exchange
	Interconnecting Piping	uPVC Pipe Lines
	Valves	Ball Valve -- uPVC
	Regeneration Chemical	HCL/NaOH
	Regeneration	10 Hours Once
	Quantity	1 No

### Proposed Water Treatment Plant Overall Scheme

