



**PRE-BID MEETING-01**

**Project Name:** RFP for Water ATM on PPP Mode in Puducherry.

**Name of Work:** Designing, financing, constructing, installing, operating and maintaining of Water ATMs through PPP Mode at designated locations under Smart City Mission at Puducherry City.

**Reply to the queries raised by Agencies in Pre-Bid Meeting held on 17.07.2019 at CEO's Chamber, PSCDL**

SI. No	RFP Volume, Section	RFP Page No	Contents in RFP	Clarification Sought	Clarifications by Client
1				With the acute water scarcity in Chennai and parts of Tamil Nadu, there needs to be complete assurance from your side that all the water ATMs will receive water supply at all times	In Puducherry there is no acute shortage of water. The water is supplied by Public Works Department three times a day.
2				Quality of raw water being provided needs to be stated. It would be prudent to include a lab test report of any water sample in the RFP so that suitable water treatment technologies may be considered instead of a blanket RO application.	Lab test report of water sample is uploaded.  <b>Please see the attachment 1</b>
3				The pricing of chilled safe water needs to be reconsidered. As it appears, it is not viable.	The pricing given in the RFP is for normal and chilled water.
4				The basis of bidding is a variable (percentage of cost per litre) while you have created a cascading price model. This is conflicting and not tenable over a period of 10 years. This has to be a constant static number and not dynamic as it presently is.	No change in Pricing.
5				Containers (implied as single-use plastic bottles) are a bane to society and globally one of the prime concerns to environment. It is recommended that you restrict the provision of containers from water ATMs in line with the national and global narrative. Safe water	Paper cups shall be used for 250 ml vending.  No change in the Pricing.



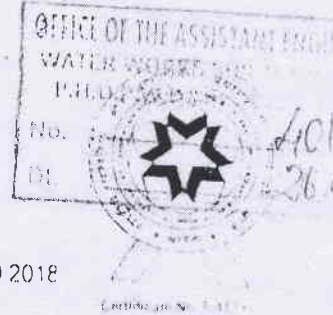
				must only be dispensed on refill basis. Only paper cups may be provided for 250 ml so as to cater to commuters. Pricing for the same has to be minimum Rs.2/- per glass.	
6	REQUEST FOR PROPOSAL (RFP)	8	“Design, Construction, Operation and Maintenance of Water ATMs” at Public Places under “Smart City Mission” in Puducherry on PPP mode	Kindly change from PPP to Capex mode as it is very tough for vendors to participate in PPP Mode.	It will be in PPP Mode. Scope includes Designing, <b>financing</b> , constructing / installing, operating and maintaining of Water ATMs including vending  RFP stipulation shall prevail
7				The tender is on PPP mode. From our experience, we have seen that tenders on PPP mode have not been very successful and hence we try to participate in tenders which are capital light. Request you to re-release the tender in capital light mode	Refer reply in SI.No (6) above  RFP stipulation shall prevail
8				The tender requires ATMs to dispense water of standard BIS 14543. This standard is for packaged drinking water only. Our ATM dispenses water as per standard BIS 10500. We request you to kindly change the same	BIS 10500-2015 is applicable to potable water source including public drinking water. BIS 14543-2004 is applicable for packed drinking water with filtration and treatment Process
9				The tender requires the ATM to dispense paper glass as well. Such technology is very difficult to incorporate in an unmanned product. We request you to remove the same to make the tender more efficient	Dispensing of 250 ml paper cups either through automatic or manual shall be decided by the bidder.

**WATER TESTING LABORATORY**  
**P.H.D., P.W.D., PUDUCHERRY**

(An ISO/IEC 17025: 2005 NABL Accredited Laboratory)

Report No. TR/WTL/PHD/PWD/PDY/2018-19/W-0493 to W-0498 Date 14 09 2018

**TEST REPORT**



✓ **Customer Name & Address** The Assistant Engineer,  
Water works sub-division, PHD, PWD, Puducherry  
**Customer Reference** No 2102/PHD/PWD/AE(WW), JE(S)/F No 5/2018 dt 03 09 2018

**SAMPLE DETAILS**

Sample Code	2018-19/W-0493	Sampled by	Customer
Sample Name	Drinking water	Sampled on	--
Sample Description	House Tap	Sampling Location	Thamarai Nagar Vanarapel Door No 1
Identification by Customer	Sample - 1	Sampling Procedure	--
Sample Condition	Fit for analysis	Sample Received on	03 09 2018
Test Started on	03 09 2018	Test Completed on	14 09 2018

**TEST RESULTS**

Test Parameter	Test Method	Units	Results	Drinking water standard as per IS 10500-2012	
				Acceptable Limit (Requirement)	Permissible limit in the absence of alternate Source
<b>Table 1 Physical Parameters</b>					
* Appearance	Visual Examination	--	Clear	--	--
pH @ 25°C	APHA, 22nd Edition, 2012 4500-H+B	--	7.58	6.5 to 8.5	No relaxation
Electrical Conductivity @ 25°C	APHA, 22nd Edition, 2012 2510 B	µmhos/cm	3120	--	--
Total Dissolved Solids@180°C	APHA, 22nd Edition, 2012, 2540 C	mg/L	1934	500 Max	2000 Max
<b>Table 2 General Parameters Concerning Substances Undesirable in Excessive Amounts</b>					
Phenolphthalein Alkalinity as CaCO <sub>3</sub>	APHA, 22nd Edition, 2012 2320 B	mg/L	Absent	--	--
Total Alkalinity as CaCO <sub>3</sub>	APHA, 22nd Edition, 2012 2320 B	mg/L	259	200 Max	600 Max
Total Hardness as CaCO <sub>3</sub>	APHA, 22nd Edition, 2012, 2340 C	mg/L	615	200 Max	600 Max
Calcium as Ca	APHA, 22nd Edition, 2012, 3500-Ca B	mg/L	138	75 Max	200 Max
Magnesium as Mg	APHA, 22nd Edition, 2012 3500 Mg B	mg/L	65.8	30 Max	100 Max
Iron as Fe	APHA, 22nd Edition, 2012 3500 Fe B	mg/L	1.44	0.3 Max	1.0 Max
Chloride as Cl	APHA, 22nd Edition, 2012 4500-Cl B	mg/L	681	250 Max	1000 Max
Sulphate as SO <sub>4</sub>	APHA, 22nd Edition, 2012 4500-SO <sub>4</sub> E	mg/L	172	200 Max	400 Max
Nitrate as NO <sub>3</sub>	PWDWTL/SOP/06 Issue No. 01 dated 24 09 2015	mg/L	BOL (DL 5.0)	45 Max	No relaxation
Fluoride as F	APHA, 22nd Edition, 2012 4500 F D	mg/L	0.35	1.0 Max	1.5 Max

**Note: \* Not in our NABL Scope**

J.E(S)

End of Report

A.E / W.W

Copy Submitted to:  
The Executive Engineer,  
P.H.D., P.W.D., Puducherry

Authorized Signatory

Anita Ben  
BIOCHEMIST  
WATER TESTING LAB  
PUBLIC HEALTH DIVISION  
P.W.D. PONDICHERY

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**WATER TESTING LABORATORY  
P.H.D., P.W.D., PUDUCHERRY**

(An ISO/IEC 17025: 2005 NABL Accredited Laboratory)

Report No. : TR/WTL/PHD/PWD/PDY/W-654 to W-662

Date: 10.10.2018

ULR-TC75801800000095P

**TEST REPORT**



**Customer Name & Address** : The Assistant Engineer,  
Water works sub-division, PHD, PWD, Puducherry.

**Customer Reference** : No.531/PW/PHD/AE(WW)/JE(M)/F.No.32/2018-19 dt. 17.09.2018

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Certificate No. TC7580  
Page 1 of 1  
P.H.D./P.W.D.  
No. 6306  
Dt. 21.12.18

**SAMPLE DETAILS**

Sample Code	: 2018-19/W-0655	Sampled by	: Customer
Sample Name	: Drinking water	Sampled on	: --
Sample Description	: Borewell Water	Sampling Location	: MGR Nagar P.S. MP-35
Identification by Customer	: Sample - 2	Sampling Procedure	: --
Sample Condition	: Fit for analysis	Sample Received on	: 24.09.2018
Test Started on	: 24.09.2018	Test Completed on	: 08.10.2018

**TEST RESULTS**

Test Parameter	Test Method	Units	Results	Drinking water standard as per IS 10500-2012	
				Acceptable Limit (Requirement)	Permissible limit in the absence of alternate Source
pH @ 25°C	APHA, 23rd Edition, 2017, 4500-H*B	--	6.59	6.5 to 8.5	No relaxation
Electrical Conductivity @ 25°C	APHA, 23rd Edition, 2017, 2510 B	µs/cm	1574	---	---
* Total Dissolved Solids	PWDWTL/SOP/08 Issue No.: 01 dated: 23.09.2016	mg/L	975	500 Max	2000 Max
<b>Table 2 General Parameters Concerning Substances Undesirable in Excessive Amounts</b>					
Total Alkalinity as CaCO <sub>3</sub>	APHA, 23rd Edition, 2017, 2320 B	mg/L	99.6	200 Max	600 Max
Total Hardness as CaCO <sub>3</sub>	APHA, 23rd Edition, 2017, 2340 C	mg/L	335	200 Max	600 Max
Sodium as Na	APHA, 23rd Edition, 2017, 3500-Na B	mg/L	201	--	--
Calcium as Ca	APHA, 23rd Edition, 2017, 3500-Ca B	mg/L	73.1	75 Max	200 Max
Magnesium as Mg	APHA, 23rd Edition, 2017, 3500-Mg B	mg/L	37.2	30 Max	100 Max
Potassium as K	APHA, 23rd Edition, 2017, 3500-K B	mg/L	6.50	--	--
Iron as Fe	APHA, 23rd Edition, 2017, 3500 Fe B	mg/L	0.10	0.3 Max	1.0 Max
Chloride as Cl	APHA, 23rd Edition, 2017, 4500-Cl B	mg/L	353	250 Max	1000 Max
Sulphate as SO <sub>4</sub>	APHA, 23rd Edition, 2017, 4500-SO <sub>4</sub> E	mg/L	123	200 Max	400 Max
Nitrate as NO <sub>3</sub>	PWDWTL/SOP/06 Issue No.: 01 dated: 24.09.2015	mg/L	7.58	45 Max	No relaxation
Fluoride as F	APHA, 23rd Edition, 2017, 4500-F D	mg/L	0.19	1.0 Max	1.5 Max
Reactive Silica as SiO <sub>2</sub>	APHA, 23rd Edition, 2017, 4500-SiO <sub>2</sub> D	mg/L	36.8	--	--

Note: BDL : Below Detection Limit, DL : Detection Limit

Note: \* Not in our NABL Scope

.....End of Report.....

Copy submitted to:  
The Executive Engineer,  
PHD, PWD, Puducherry.

J.E (M)  
/s/  
A.E/W.W

Authorized Signatory

*L. Anita Ben*  
L. Anita Ben  
BIOCHEMIST  
WATER TESTING LAB  
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