

No. WQ-11021/1/2020-WQ-DDWS-Part(2) - 55

Government of India
Ministry of Jal Shakti
Department of Drinking Water and Sanitation
(National Jal Jeevan Mission)

4th Floor, Antyodaya Bhawan
CGO Complex, Lodhi Road
New Delhi – 110 003

Dated: January 25, 2023

To

The Addl. Chief Secretary/ Principal Secretary/ Secretary
Rural Water Supply/ PHE Department
All States/ UTs

Subject: Digital portable water quality testing device for sub-division/ block level laboratories
– regarding


Madam/ Sir,

In continuation of this Department's letter of even number dated 17.01.2023 (**copy enclosed**) on the subject mentioned above, I am directed to enclosed herewith an indicative list of six more digital portable water quality testing devices.

2. It is reiterated that State/UTs may explore the possibility of deployment of such devices, preferably through reagent rental model, especially those that are 'Make in India', after due examination of techno-economic feasibility.

Encl: As above

Yours faithfully,


(Ajay Kumar)
Director(WQ)

Copy to: Engineer-in-Chief/ Chief Engineer, In-charge Rural Water Supply, All States/ UTs for
information and necessary action.

Details of digital portable testing device

S. No.	Name of the manufacturer	Address	Contact details	Name of model (Portable digital device)	Single/multi Parameter device	List of parameters tested by the device	Online transfer of data capability (Yes/No)	Availability in GeM	Link to GeM/ Comments
1	Cluix Private Limited (Previously Cluix LLP)	A 37 F, Munirka DDA, New Delhi, 110067	+91 9560589782, +91 9910199782	CLUIX C011 Handheld Digital IOT Water Quality Analyzer.	Multi-Parameter device	<ol style="list-style-type: none"> 1. Turbidity (NTU) 2. Hazen/PtCo Unit (HU) 3. Total dissolved solids (TDS) 4. Electrical conductivity (EC) 5. Potential of hydrogen (pH) 6. Free residual Chlorine (FRC) 7. Lead - Heavy metal (Pb) 8. Total Hardness (TH) 	Yes	Yes	https://mkp.gem.gov.in/digital-water-quality-testers-analyzers-jal-jeevan-mission/cluix-c011-handheld-water-quality-analyzer-with-iot/p-5116877-98681873194-cat.html#variant_id=5116877-98681873194
2	M/s ELICO Ltd	B-90, APIE, Sannathnagar, Hyderabad, 500018	rajuk@elico.co	E-Jal mini PE-145	Multiparameter	<ol style="list-style-type: none"> 1. Color 2. Total Hardness 3. Free Residual Chlorine 4. Turbidity 5. TSS 	Yes	Yes	https://mkp.gem.gov.in/digital-water-quality-testers-analyzers-jal-jeevan-mission/e-jal-mini/p-5116877-55240793663-cat.html#variant_id=5116877-55240793663

S. No.	Name of the manufacturer	Address	Contact details	Name of model (Portable digital device)	Single/multi Parameter device	List of parameters tested by the device	Online transfer of data capability (Yes/No)	Availability in GeM	Link to GeM/ Comments
3	M/s ELICO Ltd	B-90, APIE, Sannathnagar, Hyderabad, 500018	rajuk@elico.co	E-Jal mini PE-146	Multiparameter	<ol style="list-style-type: none"> 1. pH 2. EC 3. TDS 4. Color 5. Total Hardness 6. Free Residual Chlorine 7. Turbidity 8. TSS 	Yes	Yes	https://mkp.gem.gov.in/digital-water-quality-testers-analyzers-jal-jeevan-mission/e-jal-mini/p-5116877-36763473876-cat.html#variant_id=5116877-36763473876
4	M/s ELICO Ltd	B-90, APIE, Sannathnagar, Hyderabad, 500018	rajuk@elico.co	E-Jal mini PE-148	Multiparameter	<ol style="list-style-type: none"> 1. Ammonia 2. Nitrate 3. Phosphate 4. Chromium (IV) 	Yes	Yes	https://mkp.gem.gov.in/digital-water-quality-testers-analyzers-jal-jeevan-mission/e-jal-mini/p-5116877-48530513084-cat.html#variant_id=5116877-48530513084

S. No.	Name of the manufacturer	Address	Contact details	Name of model (Portable digital device)	Single/multi Parameter device	List of parameters tested by the device	Online transfer of data capability (Yes/No)	Availability in GeM	Link to GeM/ Comments
5	M/s ELICO Ltd	B-90, APIE, Sannathnagar, Hyderabad, 500018	rajuk@elico.co	E-Jal PE-149	Multiparameter	<ol style="list-style-type: none"> 1. pH 2. EC 3. TDS 4. Color 5. Turbidity 6. Total Hardness 7. Total Alkalinity 8. Ammonia 9. Free Residual Chlorine 10. Chloride 11. Fluoride 12. Iron 13. Nitrate 14. Sulphate 15. Zinc 16. Arsenic 17. Cyanide 18. Copper 19. Chromium 20. Manganese 21. Phosphate 22. Aluminium 23. Lead 24. Nickel 25. Cadmium 26. Phenol 	Yes	Yes	https://mkp.gem.gov.in/water-quality-meters-analyzers/portable-multiparameter-water-analyzer-e-jal/p-5116877-89530587412-cat.html#variant_id=5116877-89530587412

S. No.	Name of the manufacturer	Address	Contact details	Name of model (Portable digital device)	Single/multi Parameter device	List of parameters tested by the device	Online transfer of data capability (Yes/No)	Availability in GeM	Link to GeM/ Comments
6.	Hueristic Devices	No. 198, 2 nd Floor, CMH Road, Indiranagar, 2 nd Stage, Bangalore 560038	Samuel Rajkumar srajkumar@ffem.io 9845290855	HD Flip	Multiparameter	1. pH 2. Colour 3. Fluoride 4. Total Iron 5. Residual Chlorine 6. Nitrate 7. Turbidity 8. Total Alkalinity 9. Total Hardness 10. TDS 11. EC	Yes	No	-

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4th Floor, Antyodaya Bhawan,
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Dated: January 17, 2023

To

The Addl. Chief Secretary/ Principal Secretary/ Secretary
Rural Water Supply/ PHE Department,
All States/ UTs

Subject: Digital portable water quality testing device for sub-division/ block level laboratories – regarding

Madam/ Sir,

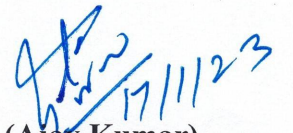
Regular testing of drinking water being supplied is a pre-requisite for ensuring supply of safe drinking water every home and in public institutions, for timely identification of water-borne health risks and for taking preventive/remedial measures. This can only be ensured through an efficient and effective drinking water quality testing laboratory network, having laboratories at different levels viz. State level, regional level, district level and sub-division/block level.

2. Accordingly, the NJJM has advised the states/UTs to strengthen the lab networks and for opening of labs for general public to get their water samples tested. In order to ensure testing of all PWS water sources laboratories may require increase in testing capacities of these labs. Digital portable water quality testing devices may provide a viable option for increasing testing capacity of labs with existing human resources, especially at the block level. Besides, these devices also offer direct online data updation in information management systems. Owing to their small size, these devices can easily be carried to the source itself for onsite testing of water samples and can act a proxies for mobile labs.

3. This department has done a survey of such available devices. An indicative list of such devices, is enclosed. Some of these devices are also available on the GEM portal. The State/UTs may explore the possibility of deployment of such devices, preferably through reagent rental model, especially those that are 'Make in India', after due examination of techno-economic feasibility.

Yours faithfully,

Encl.: As above


(Ajay Kumar)
Director(WQ)

Copy to: Engineer-in-Chief/ Chief Engineer, In-charge Rural Water Supply, All States/ UTs for information and necessary action.

Details of Portable Digital Testing Device

S. No.	Name of the manufacturer	Address	Contact details	Name of model (portable digital device)	Single/ multi parameter device	List of parameters tested by the device	Online transfer of data capability (Yes/No)	Availability in GeM	Link to GeM/ Comments
1.	Hach DHR India Pvt Limited	DHR Holding India Private Limited Unit no. 325 to 328, DLF towers, Shivaji Marg, New Delhi	Mobile: 9916040249 E-mail id: sales_support_india@hach.com	pH Analyser	Single	pH	No, data can be transferred to PC or Laptop through USB connectivity	Available	shorturl.at/dqww56
				TDS Analyser	Single	TDS		Not Available	The company will be persuaded to onboard the product.
				Turbidity Analyser	Single	Turbidity		Available	shorturl.at/ckBG6
				Multi Parameter Colorimeter	Multi Parameter	<ul style="list-style-type: none"> • Chloride • Total Alkalinity • Total Hardness • Sulphate • Iron • Fluoride • Nitrate • Arsenic 		Available with parameters Chloride, Nitrate, Dissolved Oxygen, Conductivity, Resistivity, Salinity, TDS, pH, ORP, Ammonium and Temperature.	shorturl.at/wA246

S. No	Name of the manufacturer	Address	Contact details	Name of model (portable digital device)	Single/ multi parameter device	List of parameters tested by the device	Online transfer of data capability (Yes/No)	Availability in GeM	Link to GeM/ Comments
2.	Merck Group	8th Floor, Godrej One, Pirojshanagar, Eastern Express Highway, Vikhroli (E) Mumbai - 400079	Mobile: 9903423575 E-mail id: sudipta.kumar.munshi@merckgroup.com	pH Analyser	Single	pH	No, data can be transferred to PC or Laptop through USB connectivity	Not Available	Persuaded through phone call to onboard the products. shorturl.at/moWY0
				TDS Analyser	Single	TDS		Not Available	
				Merck Spectroquant Move 100	Multi Parameter	<ul style="list-style-type: none"> • Turbidity • Chloride • Total Alkalinity • Total Hardness • Sulphate • Iron • Fluoride • Nitrate • Arsenic 		Available	

S. No .	Name of the manufacturer	Address	Contact details	Name of model (portable digital device)	Single/ multi parameter device	List of parameters tested by the device	Online transfer of data capability (Yes/No)	Availability in GeM	Link to GeM/ Comments
3.	Hanna Instruments	3,4,5,6 First floor, Aum Sai Building, Plot No.23C,Sector-7, Kharghar, Navi Mumbai-410210.	Mobile: 9903423575 E-mail id: sudipta.kumar.munshi@merckgroup.com	pH/ TDS analyser	Multi Parameter	<ul style="list-style-type: none"> • pH • TDS 		Available	shorturl.at/izFKS shorturl.at/syJK6
				Multiparameter Photometer	Multi Parameter	<ul style="list-style-type: none"> • Turbidity • Chloride • Total Alkalinity • Total Hardness • Sulphate • Iron • Fluoride • Nitrate • Arsenic 		Available for Turbidity, Chloride, Nitrate, Ammonium, Dissolved Oxygen, Conductivity, Resistivity, Salinity, TDS, pH, ORP and Temperature	shorturl.at/gJKX shorturl.at/egv49

S. No	Name of the manufacturer	Address	Contact details	Name of model (portable digital device)	Single/ multi parameter device	List of parameters tested by the device	Online transfer of data capability (Yes/No)	Availability in GeM	Link to GeM/ Comments
4.	Elico Limited	B-90, A.P.I.E., Sanathnagar, Hyderabad 500 018, Telangana, India	Mobile: 9866005450 E-mail id: rajuk@elico.co	E-Jal	Multi Parameter	<ul style="list-style-type: none"> • pH • TDS • Turbidity • Chloride • Total Alkalinity • Total Hardness • Sulphate • Iron • Fluoride • Nitrate • Arsenic 	Supports online data transfer to remote servers	Available for Turbidity, Color, Free Residual Chlorine, Total Hardness, TSS, Nitrate, Ammonia, Chromium Hexavalent, Phosphate Ortho	shorturl.at/mjL56 shorturl.at/EJPW8
5.	Orlab Instruments Pvt. Ltd.	B-50, Industrial Estate, Allauddin Basthi, Sanath Nagar, Hyderabad, Telangana	Mobile: 8008021062 E-mail id: ap@orlabindia.com	pH Analyser	Single	pH	No, data can be transferred to PC or Laptop through USB connectivity	Not Available	Persuaded through phone call to onboard the products.
				TDS Analyser	Single	TDS		Not Available	
				Turbidity Analyser	Single	Turbidity		Not Available	
				Multi Parameter Colorimeter	Multi Parameter	<ul style="list-style-type: none"> • Chloride • Total Alkalinity • Total Hardness • Sulphate • Iron • Fluoride • Nitrate • Arsenic 		Not Available	

S. No .	Name of the manufacturer	Address	Contact details	Name of model (portable digital device)	Single/ multi parameter device	List of parameters tested by the device	Online transfer of data capability (Yes/No)	Availability in GeM	Link to GeM/ Comments
6.	Xylem Water Solutions India Private Limited (WTW)	Karle Town Center, Hub 2, 4th Floor, 100ft Kempapura Main Road, Nagavara, Bangalore Urban - 560045, Karnataka	Mobile: 9910930053 E-mail id: amit.manav@xylem.com	Photo-Flex Turb	Multi Parameter	<ul style="list-style-type: none"> • pH • Turbidity • Chloride • Total Alkalinity • Total Hardness • Sulphate • Iron • Fluoride • Nitrate • Arsenic 	No, data can be transferred to PC or Laptop through USB connectivity	Not Available	Persuaded through phone call to onboard the products.
				TDS meter Multi 3510	Single	TDS		Not Available	

S. No	Name of the manufacturer	Address	Contact details	Name of model (portable digital device)	Single/ multi parameter device	List of parameters tested by the device	Online transfer of data capability (Yes/No)	Availability in GeM	Link to GeM/ Comments
7.	Motras Scientific Instruments Private Limited	Plot 175, Sector 7, IMT Manesar, Gururgram, 122050	Mobile:9810018049 9958111401 Email ID: kcp@motras.in anuj@motras.in	NeerScan	Multiparameter with dedicated probes for pH, TDS, Temperature and Turbidity built into the instrument. Can use reagents of all reagents manufacturers Includes full range spectrophotometer	<ul style="list-style-type: none"> • pH • TDS • Temperature • Turbidity • Iron • Nitrate • Chloride • Total Alkalinity • Total Hardness • Sulphate • Fluoride • Total Arsenic --- • Cadmium • Chromium • Zinc • Cyanide • Ammonia • Phosphate • Nickel • Aluminium • Manganese • Lead • Phenol 	Yes Built in Printer, GPS and GPRS and provision for connecting to LIMS or WQIMS directly and upload data remotely. Additional connectivity – Wifi, USB, LAN also	Not Available	Persuaded through phone call to onboard the products.

Note:

S. No.	Short URL	Original URL
1.	shorturl.at/dqw56	https://mkp.gem.gov.in/ph-meter/pocket-pro-ph-tester/p-5116877-93932473906-cat.html#variant_id=5116877-93932473906
2.	shorturl.at/ckBG6	https://mkp.gem.gov.in/turbidity-meter/2100q-portable-turbidimeter/p-5116877-69263735753-cat.html#variant_id=5116877-69263735753
3.	shorturl.at/wA246	https://mkp.gem.gov.in/laboratory-measuring-observing-testing-equipment/water-quality-meter-multi-parameter/p-5116877-88367854429-cat.html#variant_id=5116877-88367854429
4.	shorturl.at/moWY0	https://mkp.gem.gov.in/photometer-colorimeter-water-testing/colorimeter-move-100/p-5116877-57645050701-cat.html#variant_id=5116877-57645050701
5.	shorturl.at/izFKS	https://mkp.gem.gov.in/ph-meter/portable-ph-meter/p-5116877-5061539370-cat.html#variant_id=5116877-5061539370
6.	shorturl.at/syJK6	https://mkp.gem.gov.in/water-quality-meters-analyzers/dist-2-waterproof-tds-tester-0-00-10/p-5116877-35167622161-cat.html#variant_id=5116877-35167622161
7.	shorturl.at/gJJKX	https://mkp.gem.gov.in/water-quality-meters-analyzers/hi9829-multiparameter-ph-ise-ec-do-turbidity-waterproof/p-5116877-50837585814-cat.html#variant_id=5116877-50837585814
8.	shorturl.at/egv49	https://mkp.gem.gov.in/water-quality-meters-analyzers/water-quality-analyser/p-5116877-52672986137-cat.html#variant_id=5116877-52672986137
9.	shorturl.at/mJL56	https://mkp.gem.gov.in/digital-water-quality-testers-analyzers-jal-jeevan-mission/e-jal-mini/p-5116877-55240793663-cat.html#variant_id=5116877-55240793663
10.	shorturl.at/EJPW8	https://mkp.gem.gov.in/digital-water-quality-testers-analyzers-jal-jeevan-mission/e-jal-mini/p-5116877-48530513084-cat.html#variant_id=5116877-48530513084