

File No.WQ-11023/1/2018-WQ/358
Government of India
Ministry of Drinking Water and Sanitation
(Water Quality Section)

Pt. Deendayal Antyodaya Bhawan,
4th Floor, CGO Complex,
Lodhi Road, New Delhi – 110003.

Dated: 12th September, 2018.

To

1. All the Members of the Committee (As per the list attached)
2. All technology providers (As per the list attached)

Subject: Minutes of 10th High Level Technical Committee meeting held on 13th August, 2018.

The Minutes of 10th High Level Technical Committee meeting held on 13th August, 2018 under the chairmanship of Dr. R.A. Mashelkar to examine and recommend innovative technologies in Sanitation and Drinking Water Sector are enclosed herewith for kind information.

2. All technology providers given at Annexure-B of the minutes are requested to provide list of installations done in India state-wise or abroad, in case no installations done in India. The information may be e-mailed to amdharan@gov.in and Santosh.r@gov.in
3. Further due diligence will be carried out by this Ministry before categorizing the above technologies.

Encl: as above



(Santosh R)

Assistant Advisor

Tel No: 011-24361671

Copy to:

1. Sr. Programmer, NIC – with request to upload minutes on Ministry's website.

Minutes of the 10th Meeting of the Standing Committee for Examination of Best Technologies concerning Sanitation and Water of Ministry of Drinking Water and Sanitation held on 13th August, 2018

The list of Member/Invitees present are given at **Annexure-A**.

2. The 10th meeting of Standing Committee for Examination of Best Technologies concerning Sanitation and Water of Ministry of Drinking Water and Sanitation held on 13th August, 2018 under the Chairmanship of Dr. R. A. Mashelkar, at Conference Hall, 4th Floor, Pt. Deendayal 'Antyodaya Bhawan', C.G.O. Complex.

3. At the outset, Joint Secretary (Water) welcomed all the members and explained the Agenda for the meeting. Then, presentations were made on innovative water technologies those were uploaded in the Ministry's website by the technology providers. The list of technologies on which presentations were is given at **Annexure-B**.

4. After the presentations on technologies, Joint Secretary (W) made a presentation on revamping the Committee to address the challenges faced by the States in the field while using the technologies to address the issue of water quality. A copy of the presentation made is enclosed. The presentation inter-alia covered adoption of ASSURED innovation policy and evaluation standards and benchmark technologies with measurable units, independent scrutiny of field success claims made in the applications, weaving empanelled technologies into public procurement processes (GEMS), consider specific innovative ideas for incubation and revision of Committee's composition to include States and Central Ministries.

5. The Committee felt that some of the aspects like benchmarking technologies with measurable units and independent field scrutiny can be piloted to evaluate the technologies presented for classification in the meeting before the Committee. Based on this, the current classification methodology of I to IV can be carried out. Also, to classify the technologies from I to IV, observations/details from the field can be taken on pre-defined templates. These details can be used to classify the technologies, as well as mention them along with the classification. This would enable the end user of the technology to take a viable techno-commercial decision suiting the requirement in hand.

6. The Chairman mentioned that he would share a list of names of scientists/researchers from reputed institutions who can be requested for carrying out the field scrutiny. He also requested the members to share similar names with the Ministry.

7. After detailed deliberations, the following decisions were taken:

- i) As a pilot, the classification of technologies presented to the committee (at Annexure B) would be done duly benchmarking them with measurable units and independent scrutiny about their onsite performance claimed at field. The details would be obtained on the basis of templates that can be used to classify the technologies as well as mention a few salient details along with the classification. This would ensure objective evaluation and enable the end user of the technology to take a viable techno-commercial decision suiting the requirement in hand.

- ii) The Chairman and Members of the Committee would share the names of scientists/researchers from reputed institutions who can be requested for carrying out the field scrutiny.
- iii) The draft agenda note on revamping the Committee was approved by the Committee and the Chairman asked the Ministry to expedite the revamping process.
- iv) The technologies on sanitation would be considered in the next meeting.

The meeting ended with thanks to the Chair and to the participants.

List of Participants

S.No	Name and Designation	Organization	
1	Dr. Raghunath Anant Mashelkar, National Research Professor		Chairman
2	Ms. V. Radha Joint Secretary (Water)	Ministry of Drinking Water and Sanitation	Member
3	Dr. Makarand Phadke Senior Vice President	Reliance Innovation Leadership Centre	Member
4	Shri G. Vasudeo, Secretary	Vivekanand Kendra, NARDEP, Kanyakumari	Member
5	Prof. C.B. Majumdar, Assistant Professor	Representative from IIT, Roorkee	Member
6	Shri Rajesh Kumar Director	Ministry of Drinking Water and Sanitation	Member
7	Shri Rohit Kakkar, Deputy Adviser	CPHEEO, Ministry of Urban Development	Member
8	Shri D. Rajasekhar, Deputy Adviser (WQ)	Ministry of Drinking Water and Sanitation	Member
9	Shri A Muralidharan Deputy Adviser	Ministry of Drinking Water and Sanitation	Member-Secretary

List of Technologies presented before the High Level Technical Committee

S. No.	Application No.	Name
1	EOI-W- 125	Automation & Remote Monitoring of Iron removal from ground water plant
2	EOI-W- 127	Laterite based technology for arsenic removal
3	EOI-W- 128	Taraltec Reactor for borewell handpump water disinfection to eliminate waterborne diseases
4	EOI-W- 130	Livinguard Technologies Community drinking water filters works with disruptive, self-disinfecting technology and gravitational force with no electricity consumption.
5	EOI-W- 132	Electrochemical Arsenic Remediation (ECAR) – A locally affordable, robust, effective, scalable and sustainable technology for treating arsenic contaminated groundwater used for drinking
6	EOI-W- 133	Mechanical Vapor compression
7	EOI-W- 134	Hydro-dis chemical free water disinfection technology
8	EOI-W- 135	The Sun Spring Hybrid
9	EOI-W- 136	Atmospheric Water Generator (AWG) - "MEGHDOOT"