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**MINUTES**

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| --- | --- | --- | --- |
| **MEETING** | **DAY & DATE** | **TIME** | **VENUE** |
| **T****wenty-seventh meeting of Handpumps Sectional Committee, MED 27** | **Friday,**  **20 September 2024** | **1030 -1150 Hrs** | **Video Conferencing through WEBEX** |

**CHAIRPERSON:** Shri G. Shanmuganathan, Chairperson, In Personal Capacity, Chennai.

**MEMBER SECRETARY**: Miss Neha Thakur, Scientist ‘C’/Deputy Director, BIS, New Delhi.

**Member Present:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl No.** | **Organization Name** | **Member Name** | **Email** | **Mobile No.** |
|  | In Personal Capacity, Chennai | Shri G. Shanmuganathan  (***Chairperson***) | shanmuganathan1961@gmail.com | 9445771122 |
|  | AOV International, Noida | Shri K. L. Verma | kl.verma@aovinternational.net | — |
|  | Apex International, Noida | Dr Lalit Khanna | mail@apexint.org | 9811037640 |
| Shri Sanchit Khanna | sanchitkhanna@apexint.org | 9818342033 |
|  | Directorate of Groundwater Survey and Development Agency, Nagpur | Shri Dhokale | cde.gsda@gmail.com | — |
|  | Government of Telangana, Mission Bhageeratha (RWSKS) Department | Shri M. Narendar Reddy | sevqcrwss@gmail.com;  sevqcrwsswgl@gmail.com | 9100122229 |
|  | In Personal Capacity | Shri Nirmal Chittora | nirmal.chittora@gmail.com | 9829068260 |
|  | MSME-Testing Centre | Shri Suvankar Santra | dctc-er@dcmsme.gov.in | — |
|  | Meera and Ceiko Pumps Private Limited, Hyderabad | Shri Mahesh K. Desai | desai.mahesh64@gmail.com | 9885115448 |
|  | Ori Plast Limited, Bhubaneswar | Shri Somnath Mukherjee | somnath@oriplast.in | 9874935047 |
|  | Public Health Engineering Department, Government of Rajasthan, Jaipur | Shri Kishor Kachhawa | kishorkgr8@gmail.com | 9829485425 |
|  | Span Pumps Private Limited, Pune | Shri Narendra Purankar | npurankar@spanpump.com | 9922940781 |
|  | United Nations Children's Fund, New Delhi | Shri Manish Wasuja | mwasuja@unicef.org | 8800731333 |
|  | BIS, NEW DELHI | Ms Neha Thakur | med@bis.gov.in | 7898323992 |

**Item 0 WELCOME AND OPENING REMARKS**

* 1. MS on behalf of Shri K. Venkateswara Rao, Head (MED) welcomed the Chairperson and all the members present.

**0.2** ShriG. Shanmuganathan,Chairperson MED 27 welcomed all the members present. He apprised the members of the one of the main agenda of this meeting. He further requested the members for their effective participation and fruitful deliberations during the meeting.

**Item 1 CONFIRMATION OF THE MINUTES OF THE LAST MEETING**

The Committee confirmed the minutes of the 26th meeting of Handpumps Sectional Committee, MED 27 held on 25 June 2024 through Virtual mode which was circulated vide email bearing reference MED 27 dated 08 July 2024

**Item 2 SCOPE AND COMPOSITION OF COMMITTEE**

**2.1 SCOPE**

The Committee noted the scope.

**2.2 COMPOSITION OF THE SECTIONAL COMMITTEE AND ITS SUB-COMMITEES**

**2.2.1** The Committee reviewed the composition of Handpumps Sectional Committee, MED 27, *see* **Annex-1***.*  It decided to remove U. P. Jal Nigam, Lucknow as fresh letter of co-option is sent to both of its depts. Gramin (Rural) and Nagar (Urban) of U. P. Jal Nigam, Lucknow vide speed post dated 07 June 2024.

Committee also requested M/s AOV International and it also agreed to attend the MED 27 meetings regularly.

Committee also requested ‘Rural Water Supply and Sanitation Department, Vijayawada’ to attend the meetings regularly.

The Committee decided to send active participation letter to the organizations which have less than 50% attendance in past 4 meetings.

**2.2.2** The Committee noted the information.

**2.2.3** The Committee requested MS to circulate the declaration format through Whatsapp to all the members.

**2.2.4** The Committee noted the information.

**2.2.5** The Committee noted the information.

**2.2.6** The Committee noted the information.

**2.2.7 Gender Responsive Standards Initiative**

The Committee noted the information.

**2.2.8 Requests for Nomination to Committee/ Sub-Committee/ Panel/ Working group**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl No.** | **Item\*** | **Committee decision during 26th Meeting** | **Present Status** | **Committee decision during 27th Meeting** |
|  | **Item 2.2.8, Sl No. 1** | The Committee requested MS to inform the status in the next meeting.  Background  Letter of fresh nomination has been sent to both depts. Gramin (Rural) and Nagar (Urban) of U. P. Jal Nigam, Lucknow vide speed post dated 07 June 2024. | No response has been received.  Committee may **DECIDE**. | The Committee decided to again send a reminder letter for co-coption to the organization. |
|  | **Item 2.2.8, Sl No. 2** | The Committee requested MS to inform the status in the next meeting.  Background  Letter of fresh nomination has been sent to MNRE, New Delhi vide speed post dated 07 June 2024. | No response has been received.  Committee may **DECIDE**. | The Committee decided to again send a reminder letter for co-coption to the organization. |
|  | **Item 2.2.8, Sl No. 3** | The Committee requested MS to inform the status in the next meeting.  Background  Letter of fresh nomination has been sent to Quality Marking & Testing Laboratory, Indore vide speed post dated 07 June 2024. | No response has been received.  Committee may **DECIDE**. | The Committee decided to again send a reminder letter for co-coption to the organization. |
|  | **Item 2.2.8, Sl No. 4** | Chairperson agreed to provide the details of concerned official of State Panchayati Raj Department or concerned departments of Tamil Nadu and Karnataka.  On receipt of details, the Committee requested MS to send the co-option letter to the departments. | The contact details are awaited.  Committee may **CONSIDER** and **DECIDE**. | The Chairperson agreed to provide the contact details to MS through email. |

**Item 3** **ANNUAL CALENDAR AND** **PROCESS OF STANDARDISATION**

1. **Annual Calendar** for Technical Committee meetings

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Technical Committee** | **1st Quarter** | **2nd Quarter** | **3rd Quarter** | **4th Quarter** |
| **MED 27** | **25 Jun 2024** | **20 Sep 2024** | **10 Dec 2024** | **05 Mar 2025** |

1. The Committee noted the information.
2. The Committee noted the information.
3. The Committee noted the information.
4. The Committee noted the information.

**Item 4 ACTION ARISING OUT OF THE PREVIOUS MEETING(S)**

**4.1** The summary of actions taken on the minutes of the last meeting and present status are given below:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl No.** | **Item\*** | **Committee decision during 26th Meeting** | **Present Status** | **Committee decision during 27th Meeting** |
|  | **Item 4.1, Sl No. 1** | Shri Vishwas Joshi informed that he has sent the report to MED on 25 June 2024. He presented the report to the members (*see* Annex-3). He also requested members to review the recommendations in the report in detail.  The Convener also informed that similar trials have already been done in Rangareddy district of Telangana using upvc pipes, coupler and joints for Static Water Level (SWL) around 40 meters.  In view of the above, the Committee deliberated that trial results are applicable for SWL upto 40 meters. So, it requested the following manufacturers to provide the material details, designs, drawings, etc. to MS:  1. M/s SPAN pumps;  2. M/s Ajay Industrial Corporation;  3. M/s Apex International; and  4. M/s Meera & Ceiko Pumps.  The Committee requested the panel to prepare a preliminary draft as per the above, by the next meeting. In parallel, the Committee decided to run the field trails for UPVC pipes at SWL above 40 meters. | M/s SPAN pumps has provided the material details, designs, drawings, etc. on 10 September 2024. The material details from M/s Ajay Industrial Corporation, M/s Apex International; and M/s Meera & Ceiko Pumps are awaited.  The panel may also finalize its next meeting date for the preliminary draft discussion.  Committee may **CONSIDER** and **DECIDE**. | The Committee requested Shri Vishwas Joshi, Panel -1 Convener to confirm the date 04 October 2024 for the next panel meeting for the preliminary draft discussion for incorporating UPVC riser pipes in deepwell handpump standard IS 15500 (Part 1 to 8):2021 for SWL upto 40 meters.  MS again requested M/s Ajay Industrial Corporation, M/s Apex International; and M/s Meera & Ceiko Pumps to send afresh email for the material details, designs, drawings, etc. The Committee requested MS to circulate the material details, designs, drawings, etc received to MED 27.  Shri Narendra Purankar informed the members of the coupler and rod centralizers specifications which were used in the field trials for the Committee information. |
|  | **Item 4.1, Sl No. 5** | **MED/27/24771 Amendment – 1 to Handpump cum Solar Pumping System - Specifications**  The draft amendment is under Wide circulation. Last date of comments is 04 March 2024. | The draft amendment no.1 is under printing.  Committee may **NOTE**. | The Committee noted the information. |
|  | **Item 5.2, Sl No.2 and Item 5.3** | **Draft Amendment – 2 to Handpump cum Solar Pumping System - Specifications**  MS informed that no comment have been received on the P-draft. So, the Committee deliberated and decided to put the draft under wide circulation for two month time. If no comment is received, the Committee approved the draft for printing. | The draft amendment no.2 (MED 27/26469) is under Wide circulation. Last date of comments is 03 November 2024.  The Committee may **NOTE**. | The Committee noted the information. |
|  | **Item 4.1, Sl No. 2** | **MED/27/21897** Direct action hand pumps – Specification (Second revision)  Committee noted the information that document is under printing. | The standard has been published. The complimentary copy has been circulated vide email dated 17 September 2024.  Committee may **NOTE**. | The Committee noted the information. |
|  | **-** | **-** | Following comment on IS 15500:2021 has been received from Vinay Pumps India Pvt. Ltd. vide email dated 02 August 2024:    Committee may **CONSIDER** and **DECIDE**. | The Committee deliberated that it is an editorial error and need to be corrected through amendment no.2 and it also decided to skip the wide circulation as it is editorial error. So, the Committee approved the following draft amendment no. 2 to IS 15500 (Part 1 to 8) :2021 for printing without any wide circulation.  ‘(*Part* 3, *Page* 27, *Fig*. 3.12, *Part No*. 8) — Substitute ‘Fig. 6.12’ *for* ‘Fig. 6.13.’ |

**\*** *The Item number refers to the proceedings of the last meeting of MED 27.*

**ITEM 5** **COMMENTS ON PUBLISHED STANDARDS**

**5.1** Comments received from Shri Ravi Prakash Singh on IS 17941:2022 and following is the summary of actions on pending comment points.

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| --- | --- | --- | --- | --- | --- | --- |
| **Sl**  **No.** | **Clause/Sub clause/**  **para/table/fig.**  **No. commented** | **Proposed Change** | **Justification** | **Committee decision during the 26th meeting** | **Present Status** | **Committee decision during the 27th meeting** |
|  | Clause 10.1 | Submersible pump, solar panels and pump controller models shall be type tested as per IS17429 in NABL accredited lab or NISE (National Institute of Solar Energy). | IS 17429 is already available for testing of the solar pumping system, therefore it should be tested as per IS 17429 not as per other standardsv. | Shri Narendra Purankar informed that IS 17429:2020 is alright for testing of solar pumping system which are referred in IS 17941:2022.  The Committee deliberated and requested testing labs i.e. MSME Kolkata and MSME Coimbatore to review whether IS 17429:2020 is suitable for testing of solar pumping systems which are referred in IS 17941:2022.  It requested labs to provide the update by the next meeting. | Following reply has been received from MSME, New Delhi vide email dated 11 Sep 2024:  ‘It is to kindly inform you that since MSME-TC, Kolkata does not have any testing facilities as well as Testing Exposure of Expertise on to comment  whether IS 17429:2020 is suitable for testing of  solar pumping systems which are referred in IS 17941:2022.    Therefore it is humbly requested that the job may please be assigned to any expert of that particular field.’  Committee may **CONSIDER** and **DECIDE**. | The Committee deliberated that IS 17018(Part 1) :2022 Solar Photovoltaic Water Pumping Systems Part 1 Centrifugal Pumps Specification refers IS 17429:2020for the testing procedure. So, it decided to refer IS 17429:2022 for testing of Solar pumps at the relevant clauses. It requested MS to prepare the P-draft for comments in 15 days. If no comment is received on P-draft, the Committee decided to wide circulate the draft for one month time.  If no comment is received on the WC draft, the Committee approved the draft for printing.  The comment if received shall be disposed by the Committee in its next meeting. |

**5.2** Comments received on IS 17941:2022 during Manak Manthan in BPBO, BIS in September 2023.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl**  **No.** | **Clause/Sub clause/**  **para/table/fig.**  **No. commented** | **Comment** | **Committee decision during the 26th meeting** | **Present Status** | **Committee decision during the 27th meeting** |
|  | |  |  | | --- | --- | | Cl. 6.10.3 |  | | In this standard only one type of Submersible cable conforming to IS 694 is mentioned, but in IS 17018 (Part 1) for Solar Photovoltaic Water Pumping System, IS 694 or IS 9968 (Part 1) is mentioned for cables. Therefore, IS 9968 (Part 1) should be added in this standard. | Shri Dharmaselvan of MSME Coimbatore informed that IS 9968(Part 1) is better than IS 694 in terms of water resistance and high temperature withstand properties. He also informed that this type of material is readily available in the market.  The Committee after detailed deliberation decided to include IS 9968 (Part 1) for the conformance of cables. It decided to wide circulate the draft for one month time. If no comment is received, the Committee approved the draft for printing. | The draft amendment no.3 to IS 17941:2022 is under preparation. | The Committee revisited its decision of 26th meeting and requested MS to consult the MS of ETD 09 to check the present status of IS 9968 (Part 1):1988.  If IS 9968 (Part 1):1988 is found alright by ETD 09, the Committee decided to put the draft under wide circulation for one month time. If no comment is received, the Committee approved the draft for printing. |

**ITEM 6 PROGRAMME OF WORK**

The Committee noted the information.

**ITEM 7 ROLLING ANNUAL ACTION PLAN OF 2024-2025**

**7.1 Standard under Five year Review– Carried Forward**

As on on-going activity, Sectional Committee reviews the Indian Standards formulated by it at an interval of five years from the date of publication. Following is the list of standards reviewed during the last year but pending for publication.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl No.** | **IS Number** | **IS Title** | **Reaffirmation due month** | **Decision by Committee in the last meeting, if any** | **Status** |
| 1. | IS 14106 : 2018 | Direct action hand pumps - Specification (First Revision) | September 2023 | Vide Item 4.1, Sl No. 4 | Vide Item 4.1, Sl No. 4 |

***\**** *Item number refers to the proceedings of the last meeting of* ***MED 27****.*

**7.2 Standard under Five year Review – due for 2024-2025**

The Committee noted the information.

**ITEM 8 NEW SUBJECTS**

The Committee noted the information.

**ITEM 9 STATUS OF INDIAN STANDARDS**

**9.1 BIS Domestic Licences**

The Committee noted the information.

**ITEM 10 INTERNATIONAL ACTIVITIES**

The Committee noted the information.

**ITEM 11 RECOMMENDATION OF THE PLANNING AND DEVELOPMENT ADVISORY COMMITTEE (PDAC) OF BUREAU OF INDIAN STANDARDS**

The Committee noted the information.

**ITEM 12 TRANSLATION OF INDIAN STANDARDS FROM ENGLISH TO HINDI**

The Committee noted the information.

**ITEM 13 E-SALE OF INDIAN STANDARDS**

The Committee noted the information.

**ITEM 14 DATE AND PLACE FOR THE NEXT MEETING**

Vide Item 3 Sl No.i).

**ITEM 15 ANY OTHER BUSINESS**

There being no other business, the meeting ended with a hearty vote of thanks to the Chair and members.

**ANNEX-1**

(*See Item* **2.2.1**)

**COMPOSITION OF HANDPUMPS SECTIONAL COMMITTEE, MED 27**

|  |  |  |
| --- | --- | --- |
| **26th** | **25-Jun-2024** | **Webex, New Delhi** |
| **25th** | **06-Feb-2024** | **Hybrid/ BIS Pune** |
| **24th** | **04-Aug-2023** | **Webex, New Delhi** |
| **23rd** | **10-Feb-2023** | **Webex, New Delhi** |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl No.** | **Organisation Represented** | **Principal Member/Alternate Member** | **23rd** | **24th** | **25th** | **26th** | **Total** |
|  | In Personal Capacity, Chennai | Shri G. Shanmuganathan  (*Chairperson*) | Y | Y | N | Y | 3/4 |
|  | Ajay Industrial Corporation, Ghaziabad | Shri Akhil Jain  Shri Shiwanand Tiwari (Alt) | Y | Y | Y | Y | 4/4 |
|  | AOV International, Noida | Shri K. L. Verma  Shri Vishal Kapoor (Alt) | Y | N | N | N | 1/4 |
|  | Apex International | Shri Lalit Khanna  Shri Sanchit Khanna (Alt) | Y | Y | Y | Y | 4/4 |
|  | Directorate of Groundwater Survey & Development Agency(GSDA), Nagpur | Shri H. S. Dhokale  Shri N.L. Lonkar (Alt) | Y | Y | Y | N | 3/4 |
|  | [Government of Telangana, Mission Bhageeratha (RWSKS) Department](about:blank), Telangana | Shri Narendar Reddy  Shri Thaviti Rajaiah (Alt) | Y | Y | N | Y | 3/4 |
|  | Meera & Ceiko Pumps Pvt. Ltd, Secunderabad, Hyderabad | Shri Mahesh K. Desai  Shri M. Mahender Kumar (Alt) | Y | Y | Y | Y | 4/4 |
|  | Office of The Development Commissioner (MSME), New Delhi | Shri Sunil Kumar  Shri Suvankar Santra (Alt) | N | Y | Y | Y | 3/4 |
|  | Ori-Plast Limited, Bhubaneswar | Shri Somnath Mukherjee  Shri Surjit Kumar Satpathy (Alt) | Y | Y | Y | Y | 4/4 |
|  | Public Health Engineering Department, Bhopal, Govt. of Madhya Pradesh | Shri Ashok Baghel  Shri Anurag Shrivastava (Alt) | Y | Y | N | N | 2/4 |
|  | Public Health Engineering, Jaipur, Govt. of Rajasthan | Shri Kishor Kachhawa | Y | Y | Y | N | 3/4 |
|  | [Rural Water Supply and Sanitation Department, Vijayawada Govt. of Andhra Pradesh](about:blank) | Shri B. Hare Ram Naik  Shri B. Sreekant | N | N | Y | N | 1/4 |
|  | SGS India Ltd., Mumbai | Lt Col Parmeswar Nai  Shri Arun Gaur (Alt) | N | N | Y | Y | **2/4** |
|  | Span Pumps Pvt. Ltd., Pune | Shri Ajit Bhandari  Shri Narendra Purankar (Alt) | Y | Y | Y | Y | 4/4 |
|  | United Nation Children's Fund, New Delhi | Shri Manish Wasuja | Y | Y | N | Y | 3/4 |
|  | U. P. Jal Nigam, Lucknow | Chief Engineer  Material Manager (Alt) | N | **N** | **N** | **N** | **0/4** |
|  | In Personal Capacity | Shri Nirmal Chittora | Y | Y | Y | Y | 4/4 |
|  | In Personal Capacity | Shri Vishwas Joshi | NA | Y | Y | Y | 3/3 |

**ANNEX 2**

(Item **2.2.5**)

**EXTRACTS ON GUIDELINES FOR PARTICIPATION IN THE TECHNICAL COMMITTEE WORK OF BIS**

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| --- |
| * Where an organization offered representation in BIS work feels that it has limited interests in the scope of activity of a committee it shall communicate so to the committee secretary before accepting the representation. * All organizations represented in a technical work of BIS I shall be conscious of the national role they play in the preparation of standards. They shall nominate the best available ta1.ent for this work and ensure that their nominees are fully briefed, and utilize all opportunity to express their organization’s view point in the Bureau forums. For continuity of participation, it shall be ensured that representatives once nominated are continued as long as possible and changes where inevitable are proceeded smoothly and shall be communicated to Secretary without delay. * Organizations participating in the technical work of the Bureau may also consider initiating wherever possible formal standardization activity within the organization that would amongst other things aid participation and act as permanent liaison with Bureau on all standardization matters and shall coordinate adoption and implementation of national standards. * Organizations 'representing the interests of a group/association/federation may ensure that all constituent members (whose interest he/she represent) are consulted/kept informed of the committee work. * All expenses related to the nominees for participating in this activity are to be borne by the participating organizations. * Authorities nominating representatives as members of Sectional Committee of the Bureau, if they so choose, may nominate two representatives one to be known as the principal and the other as the alternate, subject to the following:   + Generally, one representative shall attend the meeting but if this department or body so desired both the principal and alternate may attend the meeting.   + Only the principal representative shall have the right to vote.   + In the absence of the principal representative, the alternate may exercise the right to vote.   + All documents concerned with the work of the technical committee shall ordinarily be sent to the Principal representative, if both principal and alternate representatives are located at the same station. However, if principal and alternate representatives are from different stations, all documents shall be sent to both the representatives.   + Organizations may, if they so choose, nominate experts by designation instead of by name.   + In exceptional circumstances where a case in made out on the basis of regional representation or representation of special interests within any organization, more than one alternative may be accepted by the officer-in charge of the Division.   + Only the designated Principal/Alternate members can attend Sectional Committee meetings. In case of their absence, their representatives can attend the meetings. However, BIS should be given prior intimation in such cases. In any case, no more than two representatives from one organization can attend the committee meetings. * Comments on documents at any stage, as well as on printed Indian Standards, though are welcome at all times, members are requested to send them well in advance for inclusion in the agenda in order to consider them in the meeting. Comments received very late or brought along for tabling during the meeting will be liable not to be considered as other members have not had the opportunity to deliberate within their organization on these comments and form their viewpoint and are unable to put forth their views at a short notice. * In case there is continual failure to contribute either through correspondence or by attending meetings for a period of three years/three technical Committee meetings by the members, the membership of such organizations will be recommended for withdrawal. |

**ANNEX 3**

**Composition of Panel-1**

Panel-1 consisting of the following:

i) Shri Vishwas Joshi, *Convener*;

ii) Shri N D Purankar;

iii) Shri Lalit Khanna;

iv) Representative from GSDA;

v) Representative from PHED, Rajasthan;

vi) Representative from Ajay Industrial Corporation, Sahibabad;

vii) Shri Mahesh Desai;

viii) Representative from Vishal Pipes, Sikandrabad; and

ix) Representative from M/s Ori-Plast Limited.