

MINUTE

14th MEETING OF WEARABLE ELECTRONIC DEVICES AND TECHNOLOGIES SECTIONAL COMMITTEE (LITD 33)

Venue: Virtual Meeting
Date: 08 November 2024 (Thursday)
Time: 1100 hrs

1. Chair: Shri Sanjeev Singh, DU

2. Member Secretary: Ms. Alismita Khag, BIS

Attendees:

Sl. No.	Member	Organisation
3.	Shri Sudheer Kumar	IIT Kanpur
4.	Shri Satish	NPL
5.	Shri Avik Ghose	TCS
6.	Shri Biswajit Saha	IIT Gandhinagar
7.	Shri Dharma Rajagopalan	Samsung India
8.	Ms Raveena Gupta	STQC
9.	Shri Amritanshu Pandey	IIT BHU
10.	Smt. Venkatakirthiga M	NIT Tiruchirapally
11.	Shri Wazed Ali	IIT Delhi
12.	Shri Bipin Kumar	IIT Delhi
13.	Shri Parasuraman S	IIT Madras
14.	Shri Anil Kumar Rose	CCET
15.	Smt. Ratna Ghosh	Jadavpur University
16.	Shri Ramesh Kumar	TCS
17.	Shri P Das	BECIL
18.	Shri Kishor Lala	ERNET

Invitee:

19. Shri Anup Nandy Individual capacity
20. Shri Sanjeev K Mishra Individual capacity
21. Shri Kankat Ghosh IIT Jammu

ITEM 0: WELCOME ADDRESS

0.1 Member Secretary, on behalf of the Committee, welcomed the Chair and all members as well Invitees to the meeting. She acknowledged the contribution of members towards the activities of the committee. She requested all the members to use the BIS portal (www.bis.gov.in) for all matters related to the Committee as well as BIS. She also apprised the members regarding ascertaining their active participation in the Committee through attending regular meetings, commenting on wide circulation drafts and responding to all email communications.

0.2 Shri Sanjeev Singh, Chairperson LITD 33 also gave a warm welcome to the members and invitees to the meeting. He requested members to attend the meeting physically in future for better interaction and coordination in the Committee. He also requested members to give constructive suggestion so that better Quality Standards could be formulated.

ITEM 1: FORMAL CONFIRMATION OF THE MINUTES OF LAST MEETING

1.1 The minutes of the 13th meeting of the committee, held on 02 August 2024, were confirmed by the Committee.

ITEM 2: SCOPE AND COMPOSITION OF LITD 33

2.1 The Committee noted the scope, liaison of the Committee and reviewed the composition and decided the following:

BIS Secretariat to write to the following organisations for co-option:

- ***Titan Wearables*** - Shri Avik Ghose and Shri Ramesh Ramakrishnan, TCS would help the BIS Secretariat with the contact details
- ***Boat*** - Shri Avik Ghose and Shri Ramesh Ramakrishnan, TCS would help the BIS Secretariat with the contact details

2.2 The Committee noted the request for memberships received. Out of all the requests received, the meeting was attended by Shri Anup Nandy and Shri Sanjeev Kumar Mishra. The Committee considered the membership request of Shri Anup Nandy and Shri Sanjeev Kumar Mishra subject to the condition that the organisation authorisation (from NIT Rourkela and IIIT Bhubaneshwar respectively) letter be provided as membership in the Committee is usually through the representing organisation.

ITEM 3: R&D Projects

3.1 The Committee noted the information given at Item 3.1 of the Agenda.

3.1.1 The Committee reviewed the R&D report submitted by Shri Kankat Ghosh, IIT Jammu on the proposal '*Study of performance and safety parameters of Wearable E-Textile for Heating Application*'. The Committee noted that the researcher has provided only one manufacturer data. Also, as per the ToR, till date only one test method has been prescribed in the report whereas the ToR for the R&D requires the researcher to provide twelve test methods. As the last date for the final submission of the R&D project is 29 December 2024, the Committee requested the researcher to expedite the research.

3.1.2 The Committee noted that the Utilization certificate (UC) as per Form GFR 12-A of GFR 2017 along with the statement of expenditure (SoE) had not yet been submitted by Shri Kankat Ghosh, IIT Jammu. Also, the Annex-E submitted by him had certain anomalies which were identified by the members of the sectional Committee and he was requested to re-submit the Annex-E at the earliest.

3.1.3 In view of the above, the Committee decided that the project '*Study of performance and safety parameters of Wearable E-Textile for Heating Application*' would be reviewed further and decided upon once the revised Annex-E alongwith the UC and SoE are submitted by Shri Kankat Ghosh, IIT Jammu.

3.2 The Committee could not review the report submitted on the proposal '*Study of performance and safety parameters of Wearable Compression E-Textile Products used for massaging application*' as the researcher Dr. Tribeni Roy, BITS Pilani was not present in the meeting. The Committee decided to review the report in the presence of Dr. Tribeni Roy and decide further on this project.

ITEM 4: New Subjects

4.1. The Committee noted the information given at Item 4.1 of the Agenda regarding the working draft on “Functional Inks for Pens”. The Committee considered the comments provided by Smt. Ratna Ghosh, Jadavpur University.

4.2 Shri Sudheer Kumar, IIT Kanpur discussed the comments provided and the resolution thereof and presented the revised draft on “Functional Inks for pens”.

4.3 The Committee decided to circulate the draft on “Functional Inks for pens” as a preliminary draft for a period of one month. Members of LITD 33 were requested to peruse the draft, once in circulation, and provide their comments/observations through the BIS Portal.

ITEM 5: INTERNATIONAL STANDARDIZATION ACTIVITIES

5.1 The Committee noted the information given at Item 5 of the Agenda.

ITEM 6: DATE AND PLACE FOR THE NEXT MEETING

6.1 It was decided to host the next meeting of the Committee in face-to-face mode only. The date and place of the meeting would be decided in consultation with the Chair.

ITEM 7: ANY OTHER BUSINESS

7.1 Smt. Ratna Ghosh, Jadavpur University requested to host a online session for the new members to apprise them of the scope of work of LITD 33 and how they can effectively contribute in the Standards formulation work. The Committee welcomed the request and decided to host an online session shortly.

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