

## MINUTE

### **15<sup>th</sup> MEETING OF WEARABLE ELECTRONIC DEVICES AND TECHNOLOGIES SECTIONAL COMMITTEE (LITD 33)**

**Venue:** Virtual Meeting  
**Date:** 05 December 2024  
**Time:** 1000 hrs

**1. Chair: Shri Sanjeev Singh, DU**

**2. Member Secretary: Ms. Alismita Khag, BIS**

**Attendees:**

<b>Sl. No.</b>	<b>Member</b>	<b>Organisation</b>
3.	Shri Sudheer Kumar	IIT Kanpur
4.	Shri Anand Laddha	BARC
5.	Shri Ankit Gupta	Chandigarh College of Engineering and Technology
6.	Shri Subhash Chand	MAIT
7.	Smt. Ratna Ghosh	Jadavpur University
8.	Shri Hari Krishna	ERNET
9.	Shri P Das	BECIL
10.	Shri Anil Rose	Chandigarh College of Engineering and Technology
11.	Shri Amritanshu Pandey	IIT BHU
12.	Shri Ramesh Kumar	TCS
13.	Shri Suraj Khanna	CSIR-NPL
14.	Smt. Venkatakirthiga M	NIT Tiruchirapalli
15.	Shri Devendra Chack	IIT ISM Dhanbad
16.	Shri Arvind Gupta	Apple
17.	Shri Amitesh Kumar	IIT ISM Dhanbad
18.	Shri Biswajit Saha	IIT Gandhinagar
19.	Smt. Rashmi Thakur	NIFT
20.	Shri Tribeni Roy	BITS, Pilani
21.	Shri Kishor Lala	ERNET
22.	Smt Raveena Gupta	STQC
23.	Shri Siddhartha Panda	IIT Kanpur

**Invitee:**

24. 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](http://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 14<sup>th</sup> meeting of the committee, held on 08 November 2024, were confirmed by the Committee.

#### **ITEM 2: SCOPE AND COMPOSITION OF LITD 33**

**2.1** The Committee noted the scope and composition of the Committee.

#### **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 had provided only one manufacturer's data. Also, as per the ToR, to 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. He was requested to mention the categorization of the different heating wearables and their desired requirements in the next phase of his report.

**3.1.2** The Committee noted and considered the Utilization certificate (UC) as per Form GFR 12-A of GFR 2017 along with the statement of expenditure (SoE) and Annex-E of the BIS R&D Guidelines.

**3.1.3** Shri Kankat Ghosh, the project leader for this R&D, requested a two-month extension which the Committee approved.

**3.1.4** The Committee reviewed the report on the proposal '*Study of performance and safety parameters of Wearable Compression E-Textile Products used for massaging application*' submitted by Shri Tribeni Roy, BITS Pilani. The Committee noted that the researcher had not provided any manufacturer's data. The Committee requested the researcher to mention details of visits to manufacturing units, categorization of different massaging wearables, and detailed test methods along with their desired requirements explicitly in the next phase of his report.

**3.1.5** The Committee noted and considered the Utilization certificate (UC) as per Form GFR 12-A of GFR 2017 along with the statement of expenditure (SoE) and Annex-E of the BIS R&D Guidelines.

**3.1.6** Shri Tribeni Roy, the project leader for this R&D, requested a two-month extension which the Committee approved.

#### **ITEM 4: DATE AND PLACE FOR THE NEXT MEETING**

**4.1** It was decided to host the next meeting of the Committee in some academic institute. Shri Kankat Ghosh expressed interest in hosting the meeting at IIT Jammu subject to approval from the Institute. The date and place of the meeting would be decided in consultation with the Chair.

#### **ITEM 5: ANY OTHER BUSINESS**

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