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BUREAU OF INDIAN STANDARDS

MINUTES

Technical Textiles for Buildtech Applications Sectional Committee, TXD 34 12th Meeting

| Date/Day | Time | Venue |
|------------------------------|-----------|--|
| 08 November 2024 (Friday) | 10:30 hrs | Video Conferencing through CISCO Webex |

ATTENDEES:

| | | |
|-----|---|--|
| 1. | Dr. Abhijit Majumdar (Chairperson) | Indian Institute of Technology Delhi, New Delhi |
| 2. | Shri Pinaki Ranjan Das | Association of Synthetic Fibre Industries, New Delhi |
| 3. | Dr. Smitha Gopinath | CSIR - Structural Engineering Research Centre, Chennai |
| 4. | Shri Shubho Chakravarty | Cement Manufacturers Association, New Delhi |
| 5. | Dr. Mukesh Kumar Sinha | Ministry of Textiles, New Delhi |
| 6. | Shri Rajendra Ghadge | Garware Technical Fibres Limited, Pune |
| 7. | Shri Sachin P Kulkarni | -do- |
| 8. | Shri Rajiv Gauri | Kalyani Polymers Private Limited, Bangalore |
| 9. | Dr. Palaniswamy N. K. | National Institute of Technology, Jalandhar |
| 10. | Shri Surender Choudhary | PlastIndia Foundation, Mumbai |
| 11. | Shri Ajay Gupta | Reliance Industries Limited, Mumbai |
| 12. | Shri Mayur Agarwal | -do- |
| 13. | Shri Manish Tiwari | -do- |
| 14. | Shri Ravi Prakash Singh | The Synthetic and Art Silk Mills Research Association, Mumbai |

BIS DIRECTORATE GENERAL:

| | | |
|-----|-------------------|--|
| 15. | Shri Swapnil | Scientist-B/Assistant Director (Textiles) & Member Secretary TXD 34 |
| 16. | Ms. Shelly Sirohi | Executive Assistant (Textiles) |

Item 0 WELCOME & INTRODUCTORY REMARKS

0.1 Dr. Abhijit Majumdar, Chairperson TXD 34 welcomed the members present in the meeting and appreciated their contribution in the Standards formulation activity in the area of Technical Textiles for Buildtech Applications.

0.2 Shri Swapnil, Member Secretary TXD 34 also welcomed the Chairperson and members present during the meeting.

Item 1 CONFIRMATION OF MINUTES OF THE PREVIOUS MEETING

1.1 The committee **CONFIRMED** the minutes of the 11th meeting of the committee held on 30 July 2024 through VC as circulated vide BIS letter No. TXD 34/A2.11 dated 29 August 2024 without any changes.

Item 2 SCOPE AND COMPOSITION OF TXD 34

2.1 The Committee **REVIEWED** the present scope and composition of the Committee as given in **Annex 1** to the agenda and **DECIDED** as follows:

- i) The committee decided to co-opt Defence Research and Development Organization - DRDO, Hyderabad.
- ii) Fresh nomination from Ministry of Textiles, New Delhi.
- iii) Shri Pinaki Ranjan Das will represent Association of Synthetic Fibre Industries as an Alternate Member.
- iv) Shri Mayur Agarwal will represent Reliance Industries Ltd, Mumbai as an Alternate Member.
- v) Shri Surender Chaudhary, Plastindia Foundation, Mumbai will provide the contact details of alternate member.
- vi) To send the letter to Government organizations whose nominations are pending.
- vii) To remove certain organizations from the committee for not attending the last two meetings.
- viii) To send the letter to other organizations for not attending the meeting/ non-participation in the meeting.

Item 3 ISSUES ARISING OUT OF PREVIOUS MEETINGS OF TXD 34

3.1 The Committee **NOTED** the summary of actions taken on the various decisions of the previous meetings of TXD 34 as given in **Annex 2** to the agenda.

Item 4 DRAFT STANDARD FOR FINALIZATION

4.1 The Committee scrutinized the WC draft TXD 34 (23882) 'Textiles — Poly Vinyl Chloride PVC Coated Tensile Fabric Architectural Membranes — Specification' as given in **Annex 3** to the agenda along with suggestion received from M/s SRF Technical Fibers Limited, Chennai.

4.1.1 After detailed deliberations the committee decided to **FINALIZE** the WC draft for publication after removing tensile elongation values for Type 1 and Type 2 membranes in the specifications.

BIS may carry out editorial changes, if any.

Item 5 NEW WORK ITEM PROPOSAL

5.1 The committee scrutinized the New Work Item Proposal on the subject 'Portable tents' received from Shri Mohammad Sharif, OPP Pandit Motors Company Ajmer, Rajasthan. After detailed deliberations the committee did not agree and decided to drop the proposal.

Item 6 RESEARCH AND DEVELOPMENT PROJECT

6.1 The committee reviewed mid-term progress report, Statement of Expenditure and Utilization certificate as given in the **Annex C** to the agenda along with **Annex E** as per R&D project guidelines (as given in **Annex 1** to the minutes) of the R&D project titled “A comprehensive study of the constructional and performance requirements of scaffolding nets used in construction activities for high rise buildings/structures” submitted by the project leader Dr. Palaniswamy N K from NIT Jalandhar. Dr. Palaniswamy N K informed the committee about the following practical constraint being faced in performing the R&D project as per the approved ToR:

- a) No reply from industries on the questionnaire shared;
 - b) Facing difficulties in getting permission from industries for visits and sample collection; and
 - c) Need of budget for the manpower (it was not proposed in the original/sanctioned project).
- However, manpower is very much required for the execution of the project. Hence a request for a grant for manpower and redistribution of budget has been submitted for approval. In the first instalment, the budget for travel is not sufficient to visit various industries across the country. Hence the redistribution of grants under different heads as given below is requested.

| SI No. | Budget items | Original Sanctioned Amount (Rs) | Proposed Amount (Rs) |
|--------|--|---------------------------------|----------------------|
| 1 | Manpower cost | Nil | 1,00,000 |
| 2 | Consumables [Chemicals, samples, testing glassware, stationery, books etc, information search (from databases)] | 5,00,000 | 3,50,000 |
| 3 | Equipment | Nil | Nil |
| 4 | Travel | 1,50,000 | 2,00,000 |
| 5 | Any other/Overhead expenses | 1,00,000 | 1,00,000 |
| | Total project cost | 7,50,000 | 7,50,000 |

6.1.1 After detailed deliberations, the committee decided and approved mid-term progress report, Statement of Expenditure and Utilization certificate as given in the **Annex C** to the agenda along with **Annex E** as per R&D project guidelines (as given in **Annex 1** to the minutes) of the R&D project titled “A comprehensive study of the constructional and performance requirements of scaffolding nets used in construction activities for high rise buildings/structures” submitted by the project leader Dr. Palaniswamy N K from NIT Jalandhar. The committee further decided to extend the time period by 60 days (two months) and redistribution of grants under different heads as given below for completion of R&D project considering the constraint being faced in completing the project.

| Sl No. | Budget items | Original Sanctioned Amount (Rs) | Proposed Amount (Rs) |
|--------|--|---------------------------------|----------------------|
| 1 | Manpower cost | Nil | 1,00,000 |
| 2 | Consumables [Chemicals, samples, testing glassware, stationery, books etc, information search (from databases)] | 5,00,000 | 3,50,000 |
| 3 | Equipment | Nil | Nil |
| 4 | Travel | 1,50,000 | 2,00,000 |
| 5 | Any other/Overhead expenses | 1,00,000 | 1,00,000 |
| | Total project cost | 7,50,000 | 7,50,000 |

In addition to this, the committee also requested Shri Pinaki Ranjan Das from Association of Synthetic Fibre Industries, New Delhi for providing support to Dr. Palaniswamy N K for conducting the industrial visits to complete the project in time bound manner.

Item 7 DATE AND PLACE OF NEXT MEETING

7.1 The date and place of the next meeting would be finalized in consultation with the Chairperson, TXD 34, in due course.

Item 8 ANY OTHER BUSINESS

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

ANNEX 1
(Item 6.1.1)

ANNEX E

OPERATION OF FUNDS AND PROGRESS REPORT

| | |
|---|-------------------------------------|
| 1. Title of the Project: A comprehensive study of the constructional and performance requirements of scaffolding nets used in construction activities for high-rise buildings/structures. | Project number: TXD0031 |
| 2. Name & Address of Project leader: Dr Palaniswamy N K Department of Textile Technology, Dr B R Ambedkar National Institute of Technology Jalandhar | Date of Commencement: 22/07/2024 |

3. Details of Equipment Purchased (if any):

| Name of equipment | Cost | Supplier | Date of purchase/ placing order for each item of equipment |
|-------------------|------|----------|---|
| NA | NA | NA | NA |

NOTE - The equipment fund once fixed cannot be enhanced. Project leaders are advised to give authenticated estimates of the cost of equipment. Equipment should invariably be purchased within 1 month from the date of receipt of the fund and/or sanction letter.

4. Fund received **2,02,500** INR

5. Expenditure made in Rupees: (Please provide the details)

| Expenditure | Amount | Taxes (as applicable) | Total |
|--------------------|--------------|--------------------------|--------------|
| Manpower cost | 0 | 0 | 0 |
| Consumables | 10932 | 0 | 10932 |
| Equipment | 0 | 0 | 0 |
| Travel | 0 | 0 | 0 |
| Others | 0 | 0 | 0 |
| Grand Total | 10932 | 0 | 10932 |

Remark: -



- Approval for industrial visit and sampling is under progress, and visits are planned for 18th-19th October.
 - Proposed travel expenses would be around 1,00,000 INR
 - Proposed amount for the purchase of samples would be around 1,00,000 INR
6. Amount saved (if any) from the last instalment: **Rs 1,91,568 INR.**
7. Date on which scheme will complete its normal tenure of months: **21/11/2024**
8. Whether extension beyond normal tenure has been requested: **Yes (60 days)**

If yes, justification for extension and programme of work to be completed. Also mention as to why the work could not be completed as per the original plan.

The extension is required due to:

- 1) Very poor response from industry for industrial visits and providing samples. BIS is requested to help in this regard.
- 2) Limited travel grant for visiting the industry.
- 3) Need a grant for manpower. Hence the redistribution of grants under different heads is requested.

| SI No. | Budget items | Original Sanctioned Amount (Rs) | Proposed Amount (Rs) |
|--------|--|---------------------------------|----------------------|
| 1 | Manpower cost | Nil | 1,00,000 |
| 2 | Consumables [Chemicals, samples, testing glassware, stationery, books etc, information search (from databases)] | 5,00,000 | 3,50,000 |
| 3 | Equipment | Nil | Nil |
| 4 | Travel | 1,50,000 | 2,00,000 |
| 5 | Any other/Overhead expenses | 1,00,000 | 1,00,000 |
| | Total project cost | 7,50,000 | 7,50,000 |

4) Seeking help from BIS to identify testing facility (Impact testing as per the international standards). If the facility is not available in India, a grant of 2.5 lakhs may be required.

{Extension beyond normal tenure should be requested at the Project Monitoring Session before end of tenure (as given in ToR)}.

9. Constraints (if any) faced in the progress of work and suggestions to overcome them...
- **No reply from industries on the questionnaire shared.**



- **Facing difficulties in getting permission from industries for visits and sample collection.**
- **Need of budget for the manpower (it was not proposed in the original/sanctioned project. However, manpower is very much required for the execution of the project. Hence a request for a grant for manpower and redistribution of budget has been submitted for approval.**
- **In the first instalment, the budget for travel is not sufficient to visit various industries across the country.**

10. Any deviation from original plan with its nature and cause: **Nil**

11. List of publication giving full bibliographic details accrued from this project (copies of the paper (s) should be enclosed): **Nil**

12. Summary of work done (200 words).

- The literature review report was submitted to the BIS. An online survey of the industries involved in the manufacturing of scaffolding nets was done, and the questionnaire was shared via email. The telephonic conversation was made with industries to get permission for a visit to Maharashtra, Tamil Nadu and Karnataka, and the tentative dates for the visit are 18-19 October 2024.

13. Proposed programme of work for the next month (1000 words).

- Industrial visit and sample collection
- Testing of samples
- Analysis and documentation of results.

14. Detailed Progress Report enlisting the objectives in beginning briefly (up to five pages maximum).

(Attached)

Handwritten signature and date: 08/11/24

Signature of Project
leader Date: