

BUREAU OF INDIAN STANDARDS**MINUTES**

Concrete Reinforcement : **Twenty Sixth Meeting**
Sectional Committee, CED 54

Date – 20 September 2024 : **Time – 1030 hrs**

In Hybrid Mode from Samvaad (Green Room), Manak Bhawan, Bureau of Indian Standards, 9, Bahadur Shah Zafar Marg, New Delhi 110 002

CHAIRPERSON : **Shri Shailendra Sharma**
MEMBER SECRETARY : **Shri Nishikant Singh**

ATTENDANCE OF THE MEMBERS PRESENT PHYSICALLY

<i>Members</i>	<i>Organization</i>
Shri S. S. Gaharwar	CSIR - Central Road Research Institute, New Delhi

ATTENDANCE OF THE MEMBERS PRESENT VIRTUALLY

<i>Members</i>	<i>Organization</i>
Shri B C Verma (<i>Rep.</i>)	All India Steel Rerollers Association, New Delhi
Shri Abhay Kumar	Bharat Heavy Electrical Limited, New Delhi
Shri Alok Bansal (<i>Rep.</i>)	
Prof Shamsheer Bahadur	Birla Institute of Technology and Science, Pilani
Shri R. Siva Chidambaram	CSIR - Central Building Research Institute, Roorkee
Dr J. Daniel Ronald Joseph	CSIR - Central Electrochemical Research Institute, Karaikudi
Dr M. Ashok	
Shri Rajeev Goel	CSIR - Central Road Research Institute, New Delhi
Smt Smitha Gopinath	CSIR - Structural Engineering Research Centre, Chennai
Shri Amrendra Kumar Jalan	Central Public Works Department, New Delhi

Shri Ankur Sharma	Engineers India Limited, New Delhi
Smt Divya Khullar	
Shri Rohit Khanna	IRCON International Limited, New Delhi
Shri Nripendra Kumar Roy	
Prof CVR Murty (<i>Rep.</i>)	Indian Institute of Technology Madras, Chennai
Prof Pramod Kumar Gupta	Indian Institute of Technology Roorkee, Roorkee
Shri Rohit Kumar	Indian Stainless Steel Development Association, Gurugram
Shri Lakshmana Rao Pydi	Institute of Steel Development and Growth, Kolkata
Shri Ganpat Ram Chaudhuary	Ministry of Road Transport and Highways, New Delhi
Shri Rahul Singh Raj	NBCC (India) Limited, New Delhi
Shri P. N. Ojha	National Council for Cement and Building Materials, Faridabad
Shri Brijesh Singh	
Shri Amit Trivedi	
Dr Urmil V. Dave	Nirma University, Ahmedabad
Shri Ramnath Bhat	PSL Limited, Mumbai
Shri Ch Appa Rao	Rashtriya Ispat Nigam Limited, Visakhapatnam
Shri Sandeep Singh	Research Designs and Standards Organization (RDSO), Lucknow
Shri S. Srikanth	Steel Authority of India Limited (SAIL), Research & Development Centre for Iron & Steel, Ranchi
Shri P.P. Sarkar	
Shri Shishir V. Desai	Tata Steel Limited - Global Wires India, Mumbai
Shri Biswajit Ghosh	Tata Steel Limited, Jamshedpur
Dr Anup Kumar	
Shri Vijay Lachmandas Dodeja	Weldmesh Manufacturer's Association, Mumbai
Shri Bipin Kedia	
Dr Anil K. Kar	In Personal Capacity, Kolkata
Shri Partha Pratim Banerjee	

INVITEE

<i>Members</i>	<i>Organization</i>
Prof. Shweta Goyal	Thapar Institute of Engineering and Technology, Patiala

Item 0 OPENING REMARKS AND WELCOME BY THE CHAIRMAN

The newly appointed Chairperson, Shri Shailendra Sharma was formally welcomed to CED 54. The Member Secretary highlighted Shri Shailendra Sharma's extensive

experience in the field of Civil Engineering, expressing confidence that his leadership would drive the Committee towards further success.

The Committee also expressed their heartfelt gratitude for Shri G Sharan, who had served as the Chairperson of CED 54 for a long time with great dedication and vision. His positive impact on CED 54 was acknowledged by all present and he was wished success in all his future endeavors.

The new Chairperson's commitment to quality and innovation in standardization processes was acknowledged, and an optimistic outlook was shared regarding the committee's future under his leadership.

The Chairperson, Shri Shailendra Sharma warmly welcomed all the committee members to this 26th meeting of the Concrete Reinforcement Sectional Committee. He emphasized that the importance of steel as reinforcement has assumed even greater significance now that the country is on an accelerated growth path and substantial investments will be made in construction sector in the near future. He shared his experience as consumer of the products under CED 54 during his tenure as DG, CPWD. He also emphasized on the importance of continuing commitment to collaborative spirit among all members of CED 54.

With these remarks the chairperson requested to take up the agenda item.

Item 1 CONFIRMATION OF THE MINUTES OF LAST MEETING

The Committee noted and confirmed the minutes of the 25th meeting of the Concrete Reinforcement Sectional Committee, CED 54 held on 10 May 2024 circulated vide BIS DG letter No. CED 54/A-2.25 dated 06 June 2024.

Item 2 COMPOSITION OF THE SECTIONAL COMMITTEE

2.1 The Committee noted the Composition of the Sectional Committee given at Annex 1 of the Agenda.

2.2 Request for Co-option

2.2.1 The Committee noted and considered the co-option request received in respect of Prof Shweta Goyal of Thapar Institute of Engineering and Technology, Patiala, Punjab in the Concrete Reinforcement Sectional Committee, CED 54 and decided to co-opt her.

2.2.2 The Committee noted and considered the co-option request of Dr Resmi G of IIT Madras, Chennai in the Working Group 2 for revision of IS 1786, CED 54.

2.2.3 The Committee noted and considered the co-option request received and decided to co-opt the members in Working Group 8 as suggested by the Convenor.

Item 3 PROGRAMME OF WORK

3.1 The Committee noted the Programme of Work of the Sectional Committee given at Annex 2 of the Agenda.

Item 4 ISSUES ARISING IN PREVIOUS MEETING

4.1 IS 432 (Part 1):1982 Specification for Mild Steel and Medium Tensile Steel Bars and Hard-Drawn Steel Wire for Concrete Reinforcement: Part 1 Mild Steel and Medium Tensile Steel Bars (Third Revision)

4.1.1 IS 432 (Part 2):1982 Specification for Mild Steel and Medium Tensile Steel Bars and Hard-Drawn Steel Wire for Concrete Reinforcement: Part 2 HardDrawn Steel Wire (Third Revision)

4.1.2 IS 1566:1982 Specification for Hard-Drawn Steel Wire Fabric for Concrete Reinforcement (Second Revision)

The Committee noted and reviewed the progress of the drafts which is given at Annex 3 of the Agenda. The committee requested the Working Group 7 to review these drafts and decided that the drafts may be sent directly for Wide circulation after the review.

4.2 IS 1785 (Part 1):1983 Specification for Plain Hard-Drawn Steel Wire for Prestressed Concrete: Part 1 Cold-Drawn Stress Relieved Wire (Second Revision)

4.2.1 IS 1785 (Part 2):1983 Specification for Plain Hard-Drawn Steel Wire for Prestressed Concrete: Part 2 As-Drawn Wire (First Revision)

The Committee noted that no significant progress has been made in these drafts, and thus requested the Working Group CED 54/WG 3 for Revision of IS 1785 (Part 1 and Part 2), to expedite the drafts.

4.3 IS 1786:2008 High Strength Deformed Bars and Wires for Concrete Reinforcement – Specification (Fourth Revision)

The Committee noted that several meetings have been conducted by the Working Group for Revision of IS 1786, CED 54/WG 2 and the Convenor Prof CVR Murty informed that the draft would be ready for discussion of the Committee before the next meeting. He also suggested to conduct inter-working groups meetings so as to have same requirements for mandrels (bend and re-bend test), Ratios of Strengths and also

corrections in names of the standards with respect to use of wires and bars. The committee agreed to have inter-WG meeting.

4.4 IS 2090:1983 'Specification for High Tensile Steel Bars Used in Prestressed Concrete (First Revision)

The Committee decided to follow up with M/S Dextra India Private Limited for the draft.

4.5 IS 12594:1988 Hot-dip Zinc Coating on Structural Steel Bars for Concrete Reinforcement — Specification

The Committee noted that no significant progress has been made in these drafts, and thus requested the Working Group CED 54/WG 6 for Revision of IS 12594, to expedite the drafts.

4.6 IS 13620:1993 Fusion Bonded Epoxy Coated Reinforcing Bars —Specification

The Committee noted and reviewed the progress of the draft as informed by Shri S S Gaharwar, Convenor of the Working Group CED 54/WG 1 for Review of IS 13620. Shri S S Gaharwar mentioned that the draft is nearly complete and also informed that the Working Group would submit the draft for discussion of the Committee within 03 weeks.

4.7 IS 16651:2017 High Strength Deformed Stainless Steel Bars and Wires for Concrete Reinforcement — Specification

The committee noted the information provided by Shri Rohit Kumar that the samples of 36 mm and 40 mm have now been made available and the same would be sent for testing. Further, based on the test results, draft amendment would be prepared.

Item 5 NEW WORK ITEM PROPOSALS (NWIP)

5.1 Development of Standard for Determination of Corrosion Initiation Time and Chloride Threshold Levels for Various Types of Reinforcing Bars

For the draft of Development of Standard for Determination of Corrosion Initiation Time and Chloride Threshold Levels for Various Types of Reinforcing Bars, the committee requested the members, Prof Radhakrishna G Pillai, Dr. S. R. Karade and Shri P. N. Ojha to make efforts towards expediting the proposal.

5.2 Proposal for Formulation of an Indian Standard for Sacrificial Anode Cathodic Protection (SACP) of Reinforced Concrete Structures

The committee requested Prof Radhakrishna G Pillai to make efforts towards expediting the proposal for the Formulation of an Indian Standard for Sacrificial Anode Cathodic Protection (SACP) of Reinforced Concrete Structures.

5.3 Proposed Draft for Textile Reinforcement for Use In Concrete

The Committee noted that the outline of the draft has been decided as informed by the Convener of WG 8 Ms Smitha Gopinath. The Convenor has also requested to co-opt members having expertise on the subject and so that the draft would be completed by the end of next quarter. The request for co-option was agreed by the Committee.

5.4 Proposal for new standard on PSWC-Bars by Committee Member Sh Anil K Kar

The Committee noted the request letter and the relevant document as given in the Annex 4 of the Agenda. The proposer for the new standard on PSWC-Bars, Sh Anil K Kar informed the Committee about the PSWC bars (plain surface and wave-type form configuration). The Committee deliberated on the topic and sought more data on its properties and about its practical applications from the proposer.

Item 6 DRAFTS COMPLETED WIDE CIRCULATION

6.1 Continuous hot-dip galvanized steel bars for concrete reinforcement – Specification [DOC: CED 54 (22059)]

The committee noted and reviewed the progress of the draft given at Annex 5 of the Agenda. The Committee requested the members to share their comments/suggestions if any, at the earliest and decided to send the document for printing in case no comment is received.

Item 7 ANY OTHER BUSINESS

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