



BUREAU OF INDIAN STANDARDS

RESOLUTIONS

51st Meeting of

Petroleum and their Related Products of Synthetic or Biological or Natural Origin Sectional Committee, PCD 03

Date/day : 22-02-2024/Thursday
Time : 1400 hrs
Chairman : Dr. Harender Singh Bisht, Director, CSIR-IIP Dehradun
Member Secretary : Ms. Kreeti Das, Sc.C, PCD, BIS

Resolution PCD 03/2024/R-1.1

For PCD 3:2, the Committee decided to retain Goa Carbon as nominations have been received from them; Committee decided to retain the The Solvent Extractors' Association of India, being an important organization for this subject; Committee decided to retain FIPI as nominations have been received; decided to withdraw Indian Paints Association.

Resolution PCD 03/2024/R-1.2

For PCD 3:2, the Committee endorsed the recommendation of Subcommittee to finalize PCD 03(19709)WC2 "Third revision of IS 537 : 2011 Toluene – Specification" for printing after verification of the F-draft by Convenor PCD 3:2 and Chair PCD 3.

Resolution PCD 03/2024/R-1.3

For PCD 3:2, the Committee decided to give an extension in timeline for the study to differentiate between the various fractions (MTO, PCK, SKO) of petroleum solvent, till end of March 2024, and Chair PCD 03 to check if IIP can contribute in the study.

Resolution PCD 03/2024/R-1.4

For PCD 3:2, the Committee endorsed the recommendation of Subcommittee to circulate the document on industrial grade hexane, provided by Shri Pramod Mall, as P-draft for a period of 30 days.

Resolution PCD 03/2024/R-1.5

For PCD 3:2, the Committee endorsed the recommendation of Subcommittee that "Type B" of benzene to be retained till comprehensive inputs are sought from user industries of benzene in India. User industries' inputs to be collected by BIS by May 2024.

Resolution PCD 03/2024/R-1.6

For PCD 3:5, the Committee endorsed the recommendation of Subcommittee that EIL, IFFCO, IGL, and OIL, to be withdrawn from the Subcommittee if no response is received against letter sent from BIS for non-participation.

Resolution PCD 03/2024/R-1.7

For PCD 3:5, the Committee endorsed the recommendation of Subcommittee to finalize *PCD 03 (23073)WC "20 percent Dimethyl ether (DME) blended liquefied petroleum gas (LPG) – Specification"* for printing and directed BIS to inform Niti Aayog regarding finalization of the document.

Resolution PCD 03/2024/R-1.8

For PCD 3:5, the Committee endorsed the recommendation of Subcommittee to circulate the amendment to *IS 16087 : 2016 "Biogas (Biomethane) — Specification"* into WC for a period of 2 months and to send the WC specifically to CBG manufacturers, ARAI, IBA, and Shri Shantanu Gupta at IOCL for comments.

Resolution PCD 03/2024/R-1.9

For PCD 3:5, the Committee endorsed the recommendation of Subcommittee to co-opt PNGRB in the Subcommittee and to develop a preliminary working draft taking inputs from PNGRB on quality of piped natural gas for CGD network.

Resolution PCD 03/2024/R-1.10

For PCD 3:5, the Committee decided to submit the Form 4 for NWIP on biomethane specification to ISO/TC 255 through proper procedure of BIS.

Resolution PCD 03/2024/R-1.11

For PCD 3:5, the Committee approved the nomination of Shri S R Udayan and Shri Debasis Sharma in ISO/TC 197 and its WG and ISO/TC 255 and its WGs. The Committee directed BIS to approach GAIL and ONGC for nomination in ISO/TC 193. If any other nominations are received at later date, approval of committee may be taken by mail.

Resolution PCD 03/2024/R-1.12

For PCD 3:1, the Committee endorsed the recommendation of Subcommittee to finalize *PCD 03(24139) WC "First Revision of IS 11489: 1985 Specification for heavy petroleum stock (Hps)"* for printing after verification of the F-draft by Convenor PCD 3:1 and Chairperson PCD 3.

Resolution PCD 03/2024/R-1.13

For PCD 3:1, the Committee endorsed the recommendation of Subcommittee to check relevant notification for sulphur content and decide on the document *PCD 03(22730)WC "Fourth Revision of IS 1593 : 2018 Fuel Oils – Specification"* in next meeting.

Resolution PCD 03/2024/R-1.14

For PCD 3:1, the Committee endorsed the recommendation of Subcommittee to finalize *PCD 03 (19658)WC2 "Seventh Revision of IS 1460 : 2017 Automotive Diesel Fuel – Specification"* without inclusion of the table for winter grade diesel. After deliberation on winter grade table and inputs from MoPNG on marking clause, draft amendment with winter grade table and revised marking clause to be circulated into WC for 1 month.

Resolution PCD 03/2024/R-1.15

For PCD 3:1, the Committee endorsed the recommendation of Subcommittee to finalize *PCD 03 (22875)WC "Amendment – 2 to IS 17021 : 2018 E 20 fuel - Admixture of anhydrous ethanol and gasoline - As fuel for spark ignited engine powered vehicles – Specification"* after removal of ASTM D5501 and note for pre-dilution for IS 1448 (Part 181) and ASTM D4815.

The Committee also endorsed the recommendation of Subcommittee for test method WG to take up study on ASTM D5501 as well as invite M&M and Ultra Plus lubes representatives for demonstration of test kits available for testing of ethanol in gasoline.

Resolution PCD 03/2024/R-1.16

For PCD 3:1, the Committee endorsed the recommendation of Subcommittee to publish provisional standard on paraffinic diesel aligned with EN 15940 for a period of 2 years, during which, relevant panel to coordinate the validation study of paraffinic diesel involving IIP, OMCs, ICAT, ARAI, and OEMs.

Resolution PCD 03/2024/R-1.17

For PCD 3:1, the Committee decided to remove RON 91 grade for E10 EBMG and to remove categorization "regular" and "premium"; the Committee agreed with the two tier certification clause added in draft amendment, and directed BIS to issue the draft amendment into WC for 1 month. The Committee, while noting objection from MoPNG representative, also directed BIS to reply to MoPNG OM dated 14 Dec 2023 explaining justification for removal of RON 91 grade for E10 EBMG.

Resolution PCD 03/2024/R-1.18

The Committee approved the change recommended by Mahindra & Mahindra for the item “Reference E5, Reference E10 gasoline fuels and Reference B7 diesel fuels” in the minutes of meeting of 50th meeting of PCD 03. The Committee noted that document on automotive diesel and amendment to motor gasoline have already been discussed in next batch of PCD 3:1/P6 and PCD 3:1 meetings and resolution taken by PCD 03. Hence, the Committee confirmed the rest of the minutes of 50th meeting of PCD 03 as circulated.

Resolution PCD 03/2024/R-1.19

The Committee agreed to revise the scope of PCD 03 by inclusion of “e-fuels” in the scope. The Committee directed BIS and PCD 03:1 to work on definition of e-fuel and consider inclusion of the definition in relevant terminology standard under PCD 03.

Resolution PCD 03/2024/R-1.20

The Committee agreed to revise the panel for review of composition of PCD 03, and the updated composition is as follows:

- a) **Dr Harender Singh Bisht, Chairperson PCD 01 and PCD 03 – Convenor of Panel**
- b) Dr Y.P.Rao, Convenor, PCD3:1;
- c) Shri V Nanda Kumar, Convenor, PCD3:2, and
- d) Dr M.O.Garg, Convenor, PCD3:5

The Committee decided to discuss co-option requests in panel meeting and provide recommendations to PCDC.

Resolution PCD 03/2024/R-1.21

For standards due for review, the Committee decided to archive the following standards:

- IS 13833 : 2019 Microcrystalline Wax Derived from Petroleum — Specification
- IS 4654 : 2019 Paraffin Wax — Specification
- IS/ISO/PAS 22263 : 2019 Petroleum Products - Fuels (Class F) - Considerations for Fuel Suppliers and Users Regarding Marine Fuel Quality in View of the Implementation of Maximum 0.50% Sulfur in 2020

Resolution PCD 03/2024/R-1.22

For standards due for review, the Committee decided to allot Action Research Project (ARP) to BIS officers for following standards:

- IS 17075 : 2019 Anhydrous methanol for use as a blending component in fuels – Specification (recommendation to BIS officer to approach Ashok Leyland)
- IS 17076 : 2019 M15 fuel - Admixture of anhydrous methanol and motor gasoline as fuel for spark ignited engines – Specification (recommendation to BIS officer to approach Ashok Leyland)
- IS 17314 : 2019 Hydrogen Enriched Compressed Natural Gas (HCNG) for Automotive Purposes – Specification (recommendation to BIS officer to approach IOCL R&D)

Resolution PCD 03/2024/R-1.23

For standards due for review, the Committee decided to reaffirm the following standards while simultaneously taking up revision/amendment:

- IS 17081 : 2019 Aviation turbine fuel (Kerosene Type, Jet A - 1) containing synthesized hydrocarbons – Specification – Reaffirmed and taken up for amendment
- IS 16731 : 2019 / ISO 8217 : 2017 Petroleum products - Fuels (Class F) - Specifications of marine fuels - Reaffirmed and taken up for revision

Resolution PCD 03/2024/R-1.24

For the new proposal received on “*Ethanol Blended Automotive Diesel Fuel ED5*” the Committee decided not to accept at present stage and reserve discussion for next meeting as adequate information with respect to operational merit analysis, cost benefit analysis, feasibility study, testing in association with SIAM and testing agencies (ICAT and ARAI), are not available. Committee advised IOCL to work in association with SIAM and testing agencies and obtain the relevant information and the subject will be discussed in next meeting.

Resolution PCD 03/2024/R-1.25

The Committee congratulated Dr. Ajay Arora for receiving majority votes in ballot for Convenorship of *ISO/TC 28/SC 7/WG 4 “Ethanol Test Methods”*. The Committee approved nomination of Dr. Y S Jhala, IOCL, as expert in *ISO/TC 28/SC 7/WG 4* and directed BIS to issue a call for experts for a period of 7 days more nominations.

Resolution PCD 03/2024/R-1.26

The Committee directed BIS to coordinate with Dr. A R Shukla, President, Indian Biogas Association, to nominate a suitable candidate for Convenorship of *ISO/TC 255/WG 1 “Terms, definitions and classification scheme for the production, conditioning and utilization of biogas”*. The Committee decided that the nominated candidate may be

approved by PCD 3 Chair and PCDC Chair in view of paucity of time (ballot ends on 29 Feb 2024).

Resolution PCD 03/2024/R-1.27

The Committee approved liaison with ISO/TC 197 and ISO/TC 197/WG 27 and the following registration for ISO/TC 197:

ISO/TC 197 "Hydrogen Technologies"	ISO/TC 197/WG 27 - "Hydrogen fuel quality"
Head PCD (Committee Member)	Shri S R Udayan, Reliance Industries Ltd. (Expert)
Kreeti Das, Sc.C, PCD (Committee Member)	Kreeti Das, Sc.C, PCD (Document Monitor)
Shri S R Udayan, Reliance Industries Ltd. (Committee Member)	

Resolution PCD 03/2024/R-1.28

The Committee directed BIS to conduct a briefing meeting for all members registered under ISO/TC 28 and its SCs and WGs, preferably by July 2024, for preparation of the 33rd meeting of ISO/TC 28 to be held in India from 23 – 27 September 2024.

Resolution PCD 03/2024/R-1.29

The Committee agreed with the point raised by Convenor PCD 3:1 regarding new work item proposals being received for research fuels. As research fuels do not have adequate supporting data, it is difficult to take up such subjects for standardization, in view of tight timelines for development of standard. Committee advised members to have sufficient data and consent of stakeholders before submission of proposal and also recommended to utilize R&D provision of BIS for gathering supporting data, if needed.

Resolution PCD 03/2024/R-1.30

The Committee agreed with the tentative meeting calendar for PCD 3 and its SCs.