



BUREAU OF INDIAN STANDARDS

RESOLUTIONS

52nd Meeting of

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

Date/day : 2 August 2024/Friday
Time : 1330 hrs
Chairman : Dr. Harender Singh Bisht, Director, CSIR-IIP Dehradun
Member Secretary : Ms. Kreeti Das, Sc.C, PCD, BIS

Resolution PCD 03/2024/R-2.1

For PCD 3:2, the Committee recommended the Subcommittee to invite representatives from ONGC Petro Additions Ltd. and Haldia Petrochemicals Ltd. in its next meeting to seek justification for retention of Type B of Benzene in IS 534, deliberate it within the Subcommittee and provide recommendation to the main Committee.

Resolution PCD 03/2024/R-2.2

For PCD 3:2, the Committee endorsed the recommendation of the Subcommittee and requested BIS Sectt to recommend PCD 1 to examine the latest ISO 12185 : 2024 for adoption and check whether relative density may be included in the scope of IS 1448 (Part 167).

Resolution PCD 03/2024/R-2.3

For PCD 3:2, the Committee, based on discussions in the meeting, observed that it is not possible to differentiate between the fractions (MTO, PCK, SKO) based on sulphur content as recommended by the Subcommittee. Hence, on recommendation of the panel Convenor, PCD 3:2/P2, the Committee decided to close this subject and intimate CRCL.

Resolution PCD 03/2024/R-2.4

For PCD 3:2, the Committee endorsed the recommendation of Subcommittee to circulate the revised draft of IS 8502, provided by Shri Venkatesh Krishnan and Shri Harshad Pandit, Hindalco, as WC-draft for a period of 60 days.

Resolution PCD 03/2024/R-2.5

For PCD 3:2, the Committee noted that no comments were received on the P-draft on "Hexane, Industrial Grade – Specification" and endorsed the recommendation of Subcommittee to circulate the document as WC-draft for a period of 60 days.

Resolution PCD 03/2024/R-2.6

For PCD 3:5, the Committee endorsed the recommendation of the Subcommittee to transfer IS 15319 : 2020/ISO 13734 : 2013 “Natural Gas – Organic Components used as Odorants – Requirements and Test Methods” from PCD 1 to PCD 3.

Resolution PCD 03/2024/R-2.7

For PCD 3:5, PCD 03 (25678)WC “Second Revision of IS 16087 : 2016 Biogas (Biomethane) – Specification” the Committee recommended the Subcommittee to consider inclusion of Hydrogen Sulphide (H₂S) as a requirement in the document since H₂S is highly corrosive.

Resolution PCD 03/2024/R-2.8

For PCD 3:5, the Committee endorsed the recommendation of the Subcommittee to undertake revision of IS 14861 and that the revised draft provided by Dr. Jhala, IOCL, will be circulated into WC for a period of 60 days.

Resolution PCD 03/2024/R-2.9

For PCD 3:5, the Committee endorsed the recommendation of the Subcommittee that PNGRB to provide the characteristic list for piped natural gas for domestic and industrial purposes from Schedule VI of the PNGRB Notification dated 23 Nov 2020 and IS 15958 : 2023 and BIS to prepare working document for piped natural gas specification based on the characteristic list provided by PNGRB.

Resolution PCD 03/2024/R-2.10

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-2.11

For PCD 3:5, the Committee endorsed the recommendation of the Subcommittee and approved the registration of committee members and experts in ISO/TC 193 Natural Gas and its Working Groups as given below:

Sl. No.	ISO Committee and Working Groups	Recommended Registration of Committee Member/Expert
i.	ISO/TC 193 Natural Gas	Shri S K Mishra, GM(O&M), GAIL – Committee Member Shri Pankaj Gupta, DGM(O&M), GAIL – Committee Member Kreeti Das, Member Secretary, PCD 3 – Committee Member Head, PCD – Committee Member
ii.	ISO/TC 193/WG 2 Quality Designation	Shri V Saravanan, DGM(O&M), GAIL – Expert Kreeti Das, Member Secretary, PCD 3 –

		Document Monitor
iii.	ISO/TC 193/WG 4 Vocabulary	Shri Krishan Kumar, CM(O&M), GAIL – Expert Kreeti Das, Member Secretary, PCD 3 – Document Monitor
iv.	ISO/TC 193/WG 5 Odorization	Shri Nitin Jain, CM(O&M), GAIL – Expert Kreeti Das, Member Secretary, PCD 3 – Document Monitor
v.	ISO/TC 193/WG 7 Energy Determination	Shri Pankaj Gupta, DGM(O&M), GAIL – Expert Kreeti Das, Member Secretary, PCD 3 – Document Monitor
vi.	ISO/TC 193/WG 8 Knock Resistance	Shri Mritunjay Kr Tejswi, CM(O&M), GAIL – Expert Kreeti Das, Member Secretary, PCD 3 – Document Monitor

Resolution PCD 03/2024/R-2.12

For PCD 3:5, the Committee endorsed the recommendation of the Subcommittee and approved the registration of committee members and experts in ISO/TC 255 Biogas and its Working Groups as given below:

Sl. No.	ISO Committee and Working Groups	Recommended Registration of Committee Member/Expert
i.	ISO/TC 255 Biogas	Shri Debasis Sarma, Reliance – Committee Member Kreeti Das, Member Secretary, PCD 3 – Committee Member Head, PCD – Committee Member
ii.	ISO/TC 255/AHG Extension of ISO/TC 255 scope	Shri Debasis Sarma, Reliance – Expert Kreeti Das, Member Secretary, PCD 3 – Document Monitor
iii.	ISO/TC 255/WG 1 Terms, definitions and classification scheme for the production, conditioning and utilization of biogas	
iv.	ISO/TC 255/WG 4 Safety and environmental aspects	
v.	ISO/TC 255/WG 6 Biomass gasification	

The Committee also noted that IOCL proposed Dr. Manoj Uppreti as a Biogas expert for registration as Committee Member and expert in ISO/TC 255 and its WGs. The Committee decided that BIS Sectt will circulate the resume/CV of Dr. Uppreti within PCD 3 by email for one week and seek approval for his registration.

Resolution PCD 03/2024/R-2.13

For PCD 3:1, *PCD 03(22730)WC “Fourth Revision of IS 1593 : 2018 Fuel Oils – Specification”* the Committee endorsed the recommendation of the Subcommittee to check with CPCB for relevant notification with respect to sulphur limit in furnace oil for industrial use and put up in next meeting for discussion.

Resolution PCD 03/2024/R-2.14

For PCD 3:1, *PCD 03 (23723)WC “Fifth Revision of IS 1459 : 2018 Kerosene – Specification”* and *PCD 03 (24988)WC “First Revision of IS 16861 : 2018 High flash high speed diesel fuel – Specification”* the Committee endorsed the recommendation of the Subcommittee to deliberate and resolve the comments received on WC in test method working group, PCD 3:1/WG 1, and put up recommendation of the WG in next PCD 3:1 meeting.

Resolution PCD 03/2024/R-2.15

For PCD 3:1, the Committee endorsed the recommendation of the Subcommittee for test method WG, PCD 3:1/WG 1, to meet urgently and take up study on ASTM D5501, the ISO method for 1 – 52% ethanol in ethanol-gasoline blends, 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-2.16

For PCD 3:1, the Committee endorsed the recommendation of the Subcommittee to issue the draft Annexure provided by Dr. Jhala, IOCL, as a draft amendment to IS 1571 : 2018, into WC for a period of 30 days with the request to all members to deliberate on the statement “use of a single feedstock for a single batch of ATF” from the perspective whether it will cause problems in downstream storage locations where it is possible that more than one batch exists in the tanks at any given time.

Resolution PCD 03/2024/R-2.17

For PCD 3:1, *PCD 03 (23286)WC “Amendment – 5 to IS 2796 : 2017 Motor gasoline – Specification”* the Committee, considering the constraint highlighted by MoPNG vide their letter dated 15 April 2024, that OMCs have to blend 9% ethanol in situations of ethanol unavailability, endorsed the proposal of Convenor, PCD 3:1, that for such situations, RON 94 may be introduced for E10 EBMG instead of retaining RON 91 for E10 EBMG. Hence, the Committee directed BIS to write to MoPNG explaining the justification of introducing RON 94 for E10 EBMG instead of retaining RON 91 for E10 EBMG. Automotive industry, represented by SIAM, have conceded that introducing RON 94 for E10 EBMG before pan India roll-out of E20 is acceptable to them only if a definite timeline is specified for discontinuation of this grade. The Committee also directed BIS to enquire from MoPNG whether a timeline till 31 March 2025 may be specified for applicability of the proposed

“RON 94” for E10 EBMG in line with the April 2025 target for pan India roll-out of E20 as per the Roadmap for Ethanol Blending Program issued by Niti Aayog. In that case, the proposed provision for “RON 94” for E10 EBMG will cease to exist after 31 March 2025 and only provision for RON 95 for E10 EBMG will continue in IS 2796.

Resolution PCD 03/2024/R-2.18

For PCD 3:1, the Committee decided that revised drafts of automotive fuels and aviation fuels to be first deliberated in their respective panels (PCD 3:1/P6 and PCD 3:1/P7), then put up to Subcommittee and then finally put up to main Committee with recommendation for WC circulation.

Resolution PCD 03/2024/R-2.19

For PCD 3:1, the Committee endorsed the recommendation of the Subcommittee to circulate the latest ISO 8217 : 2024 into WC for a period of 60 days for adoption and revision of IS 16731 : 2019/ISO 8217 : 2017.

Resolution PCD 03/2024/R-2.20

For PCD 3:1, the Committee endorsed the recommendation of the Subcommittee to issue an amendment into WC for a period of 60 days for incorporation of clause and Annexure for winter grade diesel in IS 1460 after the necessary data for lubricity and 10% v/v recovery and wording for clause for winter grade diesel is discussed and resolved in panel PCD 3:1/P6.

Resolution PCD 03/2024/R-2.21

For PCD 3:1, proposed revision of IS 17021, the Committee endorsed the recommendation of the Subcommittee with respect to the following points:

- E70 recovery value to be changed to 10-60 vol% for all months
- Oxygen content to be changed to 7.7%
- OMCs to provide water content data within 2 weeks' time to enable the panel PCD 3:1/P6 to conclude on the limit of water content

With respect to colour for RON 95 (E20), the Committee decided to retain the existing red colour and recommended creation of a working group consisting of OMCs and OEMs for discussion of concerns of OMCs in details and recommending solution. The Committee also recommended that an R&D project may be taken up with BIS to search for possible alternate dyes.

Resolution PCD 03/2024/R-2.22

For PCD 3:1, the Committee endorsed the recommendation of the Subcommittee and requested automotive fuel panel, PCD 3:1/P6, to deliberate on the comments received on IS 17821 and the draft spec received from IOCL R&D on MD15 at the earliest.

Resolution PCD 03/2024/R-2.23

For PCD 3:1, comments received for revision of IS 17586, the Committee endorsed the recommendation of the Subcommittee and requested BIS to send the communication to MoPNG at the earliest.

Resolution PCD 03/2024/R-2.24

For PCD 3:1, IS 17076 : 2019, the Committee endorsed the recommendation of the Subcommittee to archive the standard and recommended BIS to procure the study report from ARAI.

Resolution PCD 03/2024/R-2.25

For PCD 3:1, new work item on “*Ethanol as Fuel for Cooking*”, the Committee endorsed the recommendation of the Subcommittee and requested relevant experts – Dr. Jhala (IOCL) and Dr. Shanmuganathan (BPCL) – to provide the relevant inputs with respect to dye, boiling point range, density, and acidity values within 2 weeks’ time to the panel, PCD 3:1/P2, so that working document can be prepared. The Committee noted that Shri R Ramaprabhu (M&M) has provided relevant data and thanked him.

Resolution PCD 03/2024/R-2.26

For PCD 3:1, new work item on “*M85 Fuel Grade – Specification*”, the Committee noted that in absence of any current information on use of M85 fuel, Dr. Mathew Abraham is facing difficulty in providing working document and endorsed the recommendation of the Subcommittee that SIAM will seek information from USA and Brazil with respect to:

- Whether M85 fuel is being used?
- Whether M85 fuel can be used in flex fuel vehicles designed for E85?

Resolution PCD 03/2024/R-2.27

For PCD 3:1, new work item on “*MD 95 – Methanol*”, the Committee endorsed the recommendation of the Subcommittee to drop this subject as MD95 specification has been developed by and exclusive to SCANIA and they are not willing to share the specs, test methods or additives details.

Resolution PCD 03/2024/R-2.28

For PCD 3:1, new work item on “Reference E5, Reference E10 gasoline fuels and Reference B7 diesel”, the Committee endorsed the recommendation of the Subcommittee that IOCL R&D to provide the working drafts by 15 Aug 2024, which will be first discussed among OMCs, OEMs, and test agencies before submission to PCD 3:1 for circulation as P-draft and BIS to seek appropriate approval from Competent Authority of BIS for waiver of WC circulation.

Resolution PCD 03/2024/R-2.29

For PCD 3:1, the Committee noted that BIS had conducted Workshop on Flash Point of Diesel on 26 June 2024 and requested BIS to share the Workshop Report with PCD 3 and PCD 3:1 for noting.

Resolution PCD 03/2024/R-2.30

For PCD 3:1, the Committee endorsed the recommendation of the Subcommittee for formation of a new panel for “Maintenance of Standards for Marine Fuels” comprising of the following organizations:

- DG Shipping
- TERI
- GE Shipping
- Ambuja Shipping - Adani Cement
- INSA
- IOCL (Dr. Jhala)
- BPCL (Shri K Adalazaghan)
- HPCL (Shri Shitanshu Pati Tripathi)