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| **(PETROLEUM, COAL & RELATED PRODUCTS DEPARTMENT)** |
| **DRAFT MINUTES** |
| **11 June 2024 (Tuesday), 1000 – 1200 h** |
| **Aromatic Hydrocarbons, Petroleum Solvents and Preservatives Subcommittee, PCD 3:2** | **23rd Meeting** |
| **Convenor: Shri V Nandakumar, MRPL** | **Member Secretary: Ms. Kreeti Das** |

**Item 0 OPENING OF THE MEETING**

* 1. **Welcome address**

On behalf of BIS, Ms. Kreeti Das, Sc.C, PCD welcomed all members to the 23rd meeting of PCD 03:2.

* 1. **Opening remarks by the Convenor**

Convenor welcomed all members to the meeting and requested members to contribute actively in the discussion of comments.

**0.3** Attendance of the meeting is given in **Annex I**.

**Item 1 TITLE, SCOPE AND COMPOSITION OF PCD 03:2**

**1.1** The Subcommittee ***NOTED*** the title, scope, and composition of the Subcommittee as given in Annex I of the agenda.

**Item 2 ACTIVITIES OF AROMATIC HYDROCARBONS, PETROLEUM SOLVENTS AND PRESERVATIVES SUBCOMMITTEE, PCD 3:2**

**2.1** The Subcommittee ***NOTED*** the list of Indian Standards published under PCD 3:2 as given in Annex II of agenda.

**2.2 Draft Standards/Amendments for Finalization**

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| **Sl. No.** | **Indian Standard** | **Recommendation of Subcommittee** |
|  | **PCD 03(24410) WC****Sixth Revision of** **IS 534 : 2021****Benzene - Specification** | * The Subcommittee DELIBERATED on the comments received on WC document and recommendations are attached:

* As presently the manufacturers of benzene are using sulfolane as the solvent for extraction against previously used TTEG solvent, and it is understood that 1,4-dioxane is a contaminant from TTEG during the extraction process getting into the product. Hence, 1,4-dioxane is not a contaminant when sulfolanes are used and recommended to remove the corresponding requirement from the specification.
* The Subcommittee ***OBSERVED*** that with respect to removal/retention of Type B Benzene in the specification, Aarti Industries, IOCL, and Reliance have recommended to remove Type B, while OPAL recommended to retain Type B. The Subcommittee ***RECOMMENDED*** to discuss the matter in PCD 3 for final decision
* The Subcommittee has also ***REQUESTED*** certain data from OMCs and specialty companies (see attached comment file), following which necessary modifications may be done to the draft
* The Subcommittee ***RECOMMENDED*** PCD 1 to include relative density in the scope of IS 1448 (Part 167)
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**2.3 Revision/Amendment of Indian Standards**

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| **Sl. No.** | **Indian Standard** | **Recommendation of Subcommittee** |
|  | **IS 1745 : 2018****Petroleum hydrocarbon solvents - Specification Third Revision** | * Dr. Jhala informed the Subcommittee that the matter of differentiation between various fractions (MTO, PCK, SKO) of petroleum solvents was discussed within IOCL, BPCL, HPCL, and IIP
* For differentiation between MTO and SKO – sulphur can be an indicator. In MTO, sulphur limit is max. 50 ppm, whereas in SKO, sulphur limit is min. 50 ppm.
* Dr. Jhala also stated that PCK is not available commercially and is used internally within OMCs, hence it is not required to identify a differentiation indicator between PCK and the other fractions (MTO & SKO). The Subcommittee ***AGREED*** to this observation.
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|  | **IS 8502 : 2018****Petroleum coke - Specification Second Revision** | * The Subcommittee ***NOTED*** that the revised draft has been provided by Shri Venkatesh Krishnan and Shri Harshad Pandit and ***THANKED*** them.
* The Subcommittee ***RECOMMENDED*** BIS to issue the revised draft into WC for a period of 60 days.
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**2.4 New Standards under Development**

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| **Sl. No.** | **New Subject** | **Recommendation of Subcommittee** |
|  | **Hexane, Industrial Grade – Specification** | * The Subcommittee ***NOTED*** that no comments were received on the P-draft circulated and ***RECOMMENDED*** BIS to issue the document into WC for a period of 60 days.
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**Item 3 VOTE OF THANKS**

As there were no other agenda points for discussion, the meeting ended with a vote of thanks from BIS to Convenor and all members of the Subcommittee.

**ANNEX I**

**Meeting Attendance**

**(Clause 0.3)**

**Subcommittee Members:**

1. Shri V Nandakumar, MRPL (***Convener***)
2. Shri C. Shanmuganathan, BPCL Mumbai
3. Dr Sanat Kumar, CSIR - Indian Institute of Petroleum, Dehradun
4. Shri Dinabandhu Gouda, Central Pollution Control Board, New Delhi
5. Shri M Abdul Kareem, Chennai Petroleum Corporation Limited, Chennai
6. Shri D. L. N. Sastri, Federation of Indian Petroleum Industry, New Delhi
7. Shri Sharique Hussain, Federation of Indian Petroleum Industry, New Delhi
8. Shri Shivam, Federation of Indian Petroleum Industry, New Delhi
9. Shri Anupam Misra, Goa Carbon Limited, Panaji
10. Shri Venugopala Naidu, Goa Carbon Limited, Panaji
11. Shri Krishnan Venkatesh, Hindalco Industries Limited, Mumbai
12. Shri Harshad Kumar Pandit, Hindalco Industries Limited, Mumbai
13. Shri Shitanshu Pati Tripathi, Hindustan Petroleum Corporation Limited, Mumbai
14. Dr. Ajay Kumar Arora, Indian Oil Corporation (R and D Centre), Faridabad
15. Dr. P. Madhusudhana Reddy, Indian Oil Corporation Limited - Refineries and Pipelines Division, New Delhi
16. Shri Manish Malhan, Indian Oil Corporation Limited, Mumbai
17. Shri A. S. Krishnamoorthy, Indian Oil Corporation Limited, Mumbai
18. Shri Yogeesha, Mangalore Refinery and Petro Chemical Limited, Mangalore
19. Shri Taruna Kumar Tripathy, National Aluminium Company Limited, Bhubaneswar
20. Shri Milan Vasoya, Nayara Energy Limited, Mumbai
21. Dr. Devkishan Chhimpa, Oil and Natural Gas Corporation Limited, New Delhi
22. Shri Pramod Mall, Reliance Industries Limited, Mumbai
23. Shri Vasant Warke, Reliance Industries Limited, Mumbai
24. Smt. Leena D Chaudhari, Reliance Industries Limited, Mumbai
25. Shri Rohan Thosar, Reliance Industries Limited, Mumbai
26. Shri Chetan Sedani, Reliance Industries Limited, Mumbai
27. Dr. Y S Jhala, IOCL Pipelines and Refinery Division, New Delhi