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**MINUTES OF MEETING**

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| **BUREAU OF INDIAN STANDARDS**  **(METALLURGICAL ENGINEERING DEPARTMENT)** | | |
| **ALLOY STEELS & FORGINGS SECTIONAL COMMITTEE, MTD 16**  **MTD 16/WG19- Revision/Amendment of IS 3748: 2022** | | |
| Meeting Date & Time: | 11 Dec 2024 ( 15:00 PM ) | |
| No. of Meeting: | 1st Meeting | |
| Venue : | BIS Head Quarter, New Delhi ( Virtual Meeting ) | |
| **Convener:** Mr. A Pani Kishore | | **Member Secretary:** Shri G. Ram Sai Kumar |

**Item 1. COMPOSITION OF WORKING GROUP**

| Sl. No. | Name of the Organization | Representative By  Principal/Alternate | Attendance |
| --- | --- | --- | --- |
|  | Mishra Dhatu Nigam Limited | Mr. A Pani Kishore | Present |
|  | Bharath Forge | Mr. Sagar Bapat | Present |
|  | L&T speciality sinters pvt. Ltd. | Mr. Amol Subhash Dange of | Present |
|  | Proterial India Private Limited, Gurugram | Mr K Thukaram  Mr. Puneet Kumar | Present |
|  | Sunflag Iron & Steel Company Limited | Mr. Kishore Khedkar | Present |
|  | Tata Steel Limited | Dr. T Bhaskar | Present |

**Item 2. ACTION TAKEN REPORT**

**2.1** The summary of action taken on the decisions of the previous meeting of MTD-16 is reported below:

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| --- | --- | --- | --- | --- |
| **Sl. No** | **Project** | **Background status** | **Action taken** | **Decision of the Committee** |
| 1. | IS 3748 : 2022  Tool Steels - Specification | Comments were received from M/s Sunflag on IS 3748:2022 were shared with ISO as part of SR ballot and casted vote on 02 Sep 2023.  During the last meeting, the committee agreed to issue an amendment to IS 3748:2022 to align 10 grades with corresponding ASTM standard, ASTM A 681.  Further, report on participation of the ISO meeting held on 22-23 Nov 2023 was shared with TC vide email dated: 28 Jan 2024.  As ISO had not agreed to review Iso 4957, it is proposed that we may consider amendment to IS 3748:2022 in isolated as national annex to ISO 4957:2018.  Committee in its 27th TC Meeting and requested to prepare a draft amendment as decided in last meeting to align 10 grades of IS 3748:2022 with corresponding ASTM standard, ASTM A 681.  ToR is uploaded in portal. No Research Project Proposals received till date.  Email was send to the panel-6 to prepare a draft amendment to align 10 grades. Recommendations are still awaited.  The 10 grades given are as given below/**Appendix 5**:    A letter was received from Ministry of steel comprising of over 200 grades to be included in IS 3748 : 2022 as given below:    However, chemical composition of these grades are yet to be received. As Grades cannot be identified with the help of industry specific designation.  In 28 TC meeting  Committee after detailed deliberation and requested from Shri Pramjeet of M/s Ministry of steel to share the compositions of all the grades and also requested panel-6 to hold a meeting within 2 month to finalize which all grades needs to be considered for inclusion.  Further, During the last meeting, the committee agreed to issue an amendment to IS 3748:2022 to align 10 grades with corresponding ASTM standard, ASTM A 681.  Panel meeting was held on 08 Aug 2024 and finalize the draft amendment.  Draft Amendment 1 was placed below:    Committee after detailed deliberation and decided to constitute a working group (**WG-19**) of following group members:   1. Mr. Pani Kishore, Midhani (Convenor) 2. Mr. Sagar Bapat of M/s Bharath Forge 3. Mr. Kishore Khedkar of M/s Sun flag 4. Mr. Amol Subhash Dange of M/s L&T. 5. Mr. T. Baskar of M/s Tata Steels.   The working group was requested to review the list of grades forwarded by MoS and suggest for their inclusion in IS 3748 within one month to BIS.  Further, for the amendment already drafted, as given below, the committee requested working group to review the amendment once again and provide their views, if any, on the same within 15 days to BIS. In case of non-receipt of any comments, the draft amendment which has already completed P-draft and no comments were received on them, will be sent for Wide circulation for a period of one month. | Member secretary shared documents vide email dated 9 Dec 2024. Amend-1 is as given below:    Further, Mos have provide master data which consists of composition of grades that are proposed to include in IS 3748:    Working group may please deliberate and decide. | Working group after detailed deliberation, decided as follows:   1. Suggested to include the 10 grades as new grades instead of modifying the existing grades.(10 Grades from ASTM A681 are A2, D2, D3, H11, H12, H13, H19, H21, O1, S7 ) 2. Also, suggested give grade designation by taking reference from ISO/TS 4949 for the new grades. 3. Suggested to include ASTM grade references in Annex-C. 4. Suggested that new standard may be formulated for the designation of steels or adopt ISO/TS 4949.   Further, regarding grades suggested by Ministry of steel:   1. Grade 1.2085 is DIN Standard which comes under stainless steel category and not cover under IS 3748. It will cover under IS 6911 or IS 6528. 2. Working Group requester member secretary to review all the grades of MoS and bring the chemical composition/reference of all the suggested grades. |