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AGENDA

Meeting	Day and Date	Time
37th Meeting of Domestic and Commercial Gas Burning Appliances (Pressure Type) Sectional Committee, MED 23	09 December, 2024	10:30 AM Virtual (Webex)

CHAIRPERSON: Shri T.D Sabu, General Manager, L.P.G. Equipment Research Centre, Bengaluru

MEMBER SECRETARY: Shri Sandeep Keshav, Sc. 'D' & Joint Director, MED, BIS HQ, New Delhi.

0.1 Welcome by Head (MED)

0.2 Opening remarks by Chairperson, MED 23

0.3 Annual meeting calendar:

Wire Ropes Sectional Committee, MED 10	37th meeting	38th meeting
	09-12-2024 (Planned)	21-02-2025 (Tentative)

ITEM 1 CONFIRMATION OF THE MINUTES OF THE LAST MEETING


The minutes of the 36th meeting of Domestic and Commercial Gas Burning Appliances (Pressure Type) Sectional Committee, MED 23 held on 30 August 2024 via virtual mode was circulated on 02 December 2024.





No comments were received.



The committee may formally approve the minutes.



Item 2 ACTIONS ARISING OUT OF THE MINUTES OF THE THIRTY-FIRST MEETING


The summary of actions taken on the minutes of 36th meeting is given below:

Sl. No.	Item	Last Meeting Discussions/Decisions	Action/Status
1	2 SI No 2	<p>Shri K L Verma vide his mail dated 20 November 2023 provided the updated draft on IS 4246 as discussed in the 33rd meeting.</p> <p>The draft has been wide circulated for comments vide mail dated 08 March 2024 for one month's time.</p> <p>The committee may note.</p> <p> भारतीय मानक IS 4246 (Updated) 24012024</p> <p>Please refer to SI. No.2 for decision.</p> <p>The committee deliberated on the comments received on the minutes of the last meeting from All India LPG stoves Association, M/s Richlook Appliances and M/s Suryaflame Enterprises.</p> <p>The committee deliberated and decided to remove the batch testing clause which was inserted by the committee in its last meeting in IS 4246.</p> <p>The committee decided to insert the self-declaration clause for stoves with efficiency higher than 72%.</p> <p>The committee requested Shri K L Verma to rephrase the clause as per the decision of the committee with two weeks time.</p> <p>Shri Verma accepted the request of the committee.</p> <p><u>Non Metallic bodies of Stoves:</u></p> <p>The committee appreciated the work done by Shri K L Verma, M/s Sunflame Enterprises.</p> <p>Shri Verma briefed the committee about the draft on IS 4246, prepared by him.</p> <p>The committee deliberated on all the clauses of IS 4246 and requested him to add/change the following:</p> <p>1) Batch testing for the thermal efficiency declared higher than 72% at clause 26 and 29</p>	Please refer to SI. No.2 for decision.

		<p>2) “A Bati stand may be provided” to be changed to “A Bati stand shall be provided” at clause 5.1.2 (d).</p> <p>Shri Verma agreed to the request of the committee.</p>	
2	2 Sl.no.1 1	<p>The committee discussed on the comments of Shir Vivek Kulkarni, M/s Stovekraft.</p> <p>The decision of the committee has been enclosed below:</p>  <p>Comments of Stovekraft.doc</p> <p>The committee further decided to form a panel for the discussion of comments of M/s BSH Appliances and FRBO.</p> <p>The detail of panel has been given below:</p> <ol style="list-style-type: none"> 1. LERC (convenor) 2. Shri Longanathan Vijay Kumar, M/s BSH Appliances 3. Shri Sunil Talwar, M/s Shri Krishna Test House 4. Shri Manmohan Krishnan, M/s Rama Domestic Appliances <p>The committee further suggested the panel to provide their recommendation by mid of September to Member secretary.</p> <p><u>Background</u></p> <p>Comments have been received from M/s Stovekraft and FRBO BIS vide their mail dated 11/07/2024 and 13/07/2024 respectively.</p> <p>Comments of Stovekraft, BSH and FRBO have been enclosed.</p>  <p>Stovekraft Comments.doc</p>  <p>FRBO Comments..docx</p>  <p>Built-In Input - BSH_Final.docx</p> <p>The committee may kindly discuss on the above comments and finalize the draft document for Printing.</p>	<p>The panel meeting to discuss comments of M/s BSH Appliances, Faridabad Branch Office, Bangalore Branch office and Dehradun Branch office was held on 26 November 2024.</p> <p>The committee may kindly note.</p>

3	2, Sl no. 49	<p>Shri Mohit Jasuja, M/s Iwatani delivered a presentation on Flat Portable LPG Gas stoves.</p> <p>The committee further deliberated on the agenda point and decided that LERC will test the product and provide their comments on the draft of Flat Portable Gas stoves.</p> <p>The panel comprising of LERC, M/s Iwantani India and M/s Kabsons Industries will finalize the draft on Flat Portable LPG Gas stoves.</p> <p>The final draft will be sent to member secretary for further actions.</p> <p><u>Previously</u> The committee deliberated on the agenda point and suggested Shri Mohit Jasuja, M/s Iwatani India Pvt Ltd. to review IS 11241 and find whether the provisions suggested in his draft are covered in it.</p> <p>The committee also suggested M.S to provide the copy of IS 11241 to Shri Mohit Jasuja, M/s Iwatani India Pvt Ltd.</p> <p>The committee further suggested Shri Mohit Jasuja to provide his recommendation before the next committee meeting.</p> <p>Shri Mohit Jasuja from M/s Iwatani India Pvt. Ltd., vide his mail dated 28 August 2024 provided his comments.</p> <p><u>Background</u></p> <p>The committee may kindly further discuss and decide.</p> <p>Shri Mohit Jasuja, M/s Iwatani India Pvt. Ltd vide their mail dated 02.05.2024 proposed a standard on Portable LPG Gas stoves.</p> <p>A draft for the aforementioned subject has been received. The same has been enclosed below:</p> <div style="text-align: center;">  231020_Draft Secification for port </div>	<p>Final draft is awaited from the panel.</p> <p>The committee may discuss and decide on further action.</p>
4	2, Sl no. 50	<p>Prof. Muthu Kumar informed the committee that he had commented on the draft which are to be deliberated before the finalization of the draft.</p> <p>The committee further suggested Prof. Muthu Kumar and LERC to conduct a meeting and finalize the draft document for printing within a two weeks.</p> <p><u>Background</u></p> <p>The committee discussed on the agenda point and decided to Wide circulated the draft document for 1 month time.</p>	<p>Meeting for draft document MED/23/26038 is yet to be conducted by Prof. Muthu Kumar and LERC.</p> <div style="text-align: center;">  Comments on ceramic burner_IITG. </div>

		<p>The committee suggested M.S to do the needful.</p> <p>The draft document MED/23/26038 - Domestic Gas Stoves with Ceramic Burner for Use with Liquefied Petroleum Gases - Specification, was wide circulated on 01 July 2024.</p> <p>Last date for comments were 31 July 2024.</p> <p>No Comments have been received by the due date.</p> <p>The committee may finalize the standard for printing.</p>	<p>The committee may discuss and decide on further action.</p>  <p>Ceramic standard.docx</p>
5	2, Sl no. 51	<p>The committee decided to form a panel to discuss the draft of PNG stoves.</p> <p>The detail of panel has been given below:</p> <ol style="list-style-type: none"> 1. LERC (convenor) 2. Shri Longanathan Vijay Kumar, M/s BSH Appliances 3. Shri Sunil Talwar, M/s Shri Krishna Test House 4. Shri Manmohan Krishnan, M/s Rama Domestic Appliances <p>The committee further suggested the panel to provide the recommendation at the earliest.</p> <p><u>Previously</u> A letter dated 26 June 2024 with reference No. MED 23/T-34 was sent to PNGRB under the signature of HMED for ensuring the use of BIS (ISI) certified PNG stoves by the end users.</p>  <p>Letter to PNGRB.pdf</p> <p>The committee may kindly note.</p> <p><u>Background</u></p> <p>The revised draft is on similar lines to The committee discussed on the agenda point and suggested BIS to write a letter to Petroleum and Natural Gas Regulatory Board (PNGRB) for making the use of PNG Stoves as per IS 17153 mandatory by CGD companies.</p> <p>The committee further suggested M.S to Wide circulated the draft document for 1 month time.</p> <p>M.S to do the needful.</p>	<p>The panel meeting to discuss comments of M/s BSH Appliances, Faridabad Branch Office, Bangalore Branch office and Dehradun Branch office was held on 26 November 2024.</p> <p>The committee may kindly note.</p>
6	2, Sl no. 52	<p>The committee deliberated on the agenda point and suggested Shri Abhijeet, M/s Ariston India to provide his recommendations for IS 15558 via email.</p> <p>The recommendation of Shri Abhijeet to be incorporated to IS 15558 by an amendment</p>	<p>As per committee recommendation the amendment to IS 15558 [Doc: MED 23 (26699) WC] has been wide</p>

		<p><u>Background</u></p> <p>Shri Manmohan Krishan from M/s Rama Domestic Appliances, informed that, in the last line of clause 26 of recently published IS 15558:2024 is incorrect. The line “Water should be within ± 10 percent of the value declared by the manufacturer” is to be replaced with “Manufacturer should declare the minimum value of water rate”.</p> <p>The committee may discuss and decide on issuing an amendment.</p>	<p>circulated on 16 October 2024 for one-month time.</p> <p>The last date for comments are 15 Nov 2024.</p> <p>If no comments are received till the last date the draft amendment may be finalized for printing.</p> <p>The committee may approve for the printing of the amendment.</p>
7	2, Sl no. 53	<p>The committee deliberated on the agenda point and decided to form a panel for development of Gas based room heaters.</p> <p>The panel consists of:</p> <ol style="list-style-type: none"> 1. LERC (convenor) 2. Shri Manmohan, M/s Rama Domestic Appliances. 3. Shri Sunil Talwar, M/s Krishna Test house. <p>The committee further suggested the panel to provide working draft on ‘Gas room Heaters’ at their earliest.</p> <p><u>Background</u></p> <p>A letter to develop a standard for “Gas based room heaters” has been received from a Consumer Rights Activist.</p>	<p>Panel meeting is yet to be conducted for ‘Gas based room heaters’</p> <p>The committee may kindly discuss and decide for further action.</p>
8	2, Sl no. 54	<p>Shri Abhijit Banshelkikar vide his mail dated 30 August 2024, proposed to revise IS 17150. Accordingly, the member secretary has prepared a draft after incorporating all the amendments.</p> <p style="text-align: center;">  IS 17150.docx </p>	<p>The committee may examine the draft and decide further action.</p>

Item 3 COMPOSITION OF THE SECTIONAL COMMITTEE

3.1 The following directions have been received from the Competent Authority of the Bureau for reviewing the composition of the Sectional Committee:

- i) Major Government purchasing organizations like DGS&D, RDSO, CPWD, Defence etc are to be given representation in the committees wherever applicable.
- ii) Examine the justification and need for continuation of a member in an individual capacity who is continuing for more than six years in a sectional committee.

- iii) New members are to be co-opted who are expected to contribute in emerging new technology.
- iv) In case representative of the concerned organization is not attending the meeting regularly or not continuing even by correspondences, the organization may be informed for substituting their member.
- v) Members who are represented in individual capacity, the continuation of their membership is to be considered on the basis of their past attendance and contribution.
- vi) Efforts should be made to include representative of different product segments as per the scope of the committee.

The committee may please note.

3.2 The desire of the Ministry of Consumer Affairs, Food & Public Distribution, Govt. of India, which is the Controlling Ministry of the Bureau that the composition of Sectional Committees be reviewed to replace the persons who are continuing for longer periods, to co-opt the members/organizations which are capable of contributing in emerging new technologies and new areas of work and strength of the manufacturers should be restricted to 1/3 of the total strength of the Technical Committees. In this committee manufacturers are more.

The committee may please note.

3.3 The present composition of Domestic and Commercial Gas Burning Appliances (Pressure Type) Sectional Committee, MED 23 is given at **Annex-I** (Page 12-13). The list shows the attendance of the members in the last three consecutive meetings.

The committee may note and suggest for any addition/deletion.

Item 4 DRAFTS FOR FINALIZATION

No drafts for finalization.

Item 5 COMMENTS ON PUBLISHED INDIAN STANDARDS:

Please refer to the table above, Sl. No. 7

Item 6 PROGRAMME OF WORK

6.1 The present position of work of the **Domestic and Commercial Gas Burning Appliances (Pressure Type) Sectional Committee, MED 23** is given in **Annex- II** (Page 14).

The action plan for this year is as follows:

New Standards to be taken up/Already under progress:

- 1) MED 23 (25833) - Built-In-Hobs for Use with LPG — Specification (WC stage)
- 2) MED 23 (23770) - Piezoelectric Spark Lighter for Gas Burning Appliances – Specification (Printed in 2024)

Carried Forward from 2022-23

- 1) MED 23 (18821) -Biogas Stove – Specification (*Printed in August 2024*)

Pre-2000 standards

- 1) IS 8251 : 1976 - Specification for commercial cooking ranges including grillers for use with liquefied petroleum gases (*Under print*)
- 2) IS 14612 : 1999 - Commercial burners using LPG at inlet pressure up to 147.1 k - N/m² (1500 gf/cm²) – Specification (*Under print*)
- 3) IS 11241 : 1985 - Specification for portable liquefied petroleum gas appliances operating at vapour pressure (*Under print*)

Item 7 REVIEWS AND REAFFIRMATION OF INDIAN STANDARDS

As on on-going activity, Sectional Committee reviews the Indian Standards formulated by it at an interval of five years from the date of publication. During review the committee may decide either to reaffirm or to revise/withdraw the standards based on latest technology available on the subject at the time of review. The published Indian Standards due for reaffirmation is given as below:

IS 5116 : 2020	Domestic and Commercial Equipment for Use with LPG — General Requirements (<i>Fourth Revision</i>)
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The committee may kindly note.

7.2 Status of Standard under BIS Certification

The following standards prepared by MED 23 are under certification:

Sl. No.	IS No.	No. of Licenses
IS 4246: 2002	Domestic gas stoves for use with liquefied petroleum gases Specification (fifth revision)	269
IS 8749: 2002	Bio - Gas stoves	3
IS 15558: 2005	Mini Domestic Water Heater For Use With LPG –Specification	17
IS 11241 : 1985	Specification for portable liquefied petroleum gas appliances operating at vapour pressure	1
14612: 1999	Commercial burners using LPG at inlet pressure up to 147.1 k - N/m ² (1500 Gf/cm ²) - Specification	5
IS 17150: 2019	Mini domestic water heater for use with piped natural gas (PNG) - specification	2
IS 17153: 2019	Domestic gas stoves for use with piped natural gas (PNG) - Specification	5
IS 17814: 2022	Corrugated Metal Flexible Safety Gas Hose Assemblies - Specification	1
IS/ISO 22702: 2003	Utility lighters — Safety specifications	4

The Committee may kindly note.

Item 8 SELECTIONS OF SUBJECTS

8.1 As per the policy and guidelines, before any new subject is taken up for formulation of National Standard the following issues are to be examined by BIS.

- i) Whether the subject is financed by the proposer;
- ii) Sale ability of the standard;
- iii) Standards shall be user friendly; and
- iv) Social needs with regards to safety, health and environment.

Only after assessing the above aspects it will be possible for BIS to consider the formulation of Indian standard. The proposal should essentially be taken in the prescribed Performa given in **Annex-IV (Page 20)**. When members propose in the Technical Committee (TC) meeting, they have to fill-in the Performa beforehand which is then be considered by the TC. The Committee may note.

8.2 New Work Item Proposal received :

Nil

8.3 Research projects to be taken up for inclusion of empirical data and insights.

The committee may discuss

Item 9 RECOMMENDATION OF THE PLANNING AND DEVELOPMENT ADVISORY COMMITTEE (PDAC) OF BUREAU OF INDIAN STANDARDS

- 9.1** The Planning and Development Advisory Committee (PDAC) of Bureau of Indian Standards in its 12th meeting decided as follows:
- a) Technical Committee should be sensitized for Eco requirements and standards should be formulated considering the environmental aspects.
 - b) The committee felt that BIS should be proactively involved so as to have greater impact in International Standardization. For this purpose, the key areas are to be identified for formulating standards for new products.

The Committee may note.

Item 10 INTERNATIONAL ACTIVITIES

10.1 India is 'O' member of ISO/TC 109 – Oil and gas burners. The list of ISO standards published by ISO/TC 109 is as follows:

- a) ISO 22967:2010 - Forced draught gas burners
- b) ISO 22968:2010 - Forced draught oil burners

The committee may please note.

10.2 Closer examination of the New Work Item proposals received from ISO/IEC

10.3 The measures to ensure effective participation by the Indian experts at ISO/IEC levels.

10.4 National and International events to be participated

ITEM 11 RECENT INITIATIVES IN THE STANDARD DEVELOPMENT PROCESS OF BIS

In the recent months, several initiatives have been undertaken to reform the standard making process in BIS with the aim to make the delivery mechanism in tune with the National needs and aspirations. These initiatives are both process initiatives as well as technical initiatives. Some of the important initiatives are:

10.1 Green Initiative by BIS

As part of the 'Green Initiative' to conserve resources, the Bureau of Indian Standards (BIS) has decided to communicate with all the technical committee members only through electronic media. From 01 January 2014 onwards, the meeting notice, agenda, minutes of all technical committee meetings of BIS and other documents associated with technical committee work, such as P-drafts, WC-drafts etc. are being sent in Electronic Form only at the email addresses provided by the technical committee members. No printed documents of any kind shall thereafter be sent to the technical committee members. It may be noted that the activities of sectional committees namely, Programme of work, Composition of sectional committees, Draft standards in circulation, etc. are also available on www.bis.gov.in. Further, formats for comments on drafts and also proposals for new work items are available on the BIS website. Members are encouraged to visit BIS website on a periodical basis to be acquainted with the latest status in standards development process.

The Committee may kindly note.

10.2 Interaction with SDO

A number of Standards Developing Organizations (SDOs) under various Govt. Departments exist which cater to the needs of specific sectors by developing standards. It has been identified that an effort may be made to adopt such standards developed by these SDOs as Indian Standards so as to avoid duplication of work. Further, these standards will also be upgraded as Indian Standards.

The Committee may kindly note.

10.3 Training of Committee Members

BIS Management has decided to organise a two-day residential training programme for Committee members for making them familiar with BIS working, drafting of standards etc. A brief overview is given at **Annex D**.



Annex D.docx

The Committee may kindly note.

ITEM 12 LETTER OF APPRECIATION TO COMMITTEE MEMBERS

Objective: To recognize significant contribution of members of technical committees in developing standard(s) that can be considered to be a major development in the subject area and in national/international standardization.

Any individual can be nominated in his/her capacity as a member of a Committee/Subcommittee/panel including their Chairperson/Convenor. Candidates may be nominated by fellow members, by the Chairperson/Convenor or Member Secretary of the relevant technical committee in the prescribed form.

The person nominating shall consider those individuals who have made significant contribution in an important recent standardization project. The following aspects shall be considered while recommending for letter of appreciation:

- a) Leadership in initiating a project.
- b) Technical inputs provided on standard(s) developed including during preparation of the draft standard.
- c) Draft document(s) developed (new Indian Standards/revision of existing Indian Standards).
- d) Technical comments/inputs provided on ISO/IEC documents/deliverables or major contributions made in developing International Standards.
- e) Exceptional contributions in leading standardization projects at national/international level.
- f) Initiatives taken/contributions in standards promotion work through workshops, conferences, seminars and trainings.

The Committee may kindly note.

Item 13 NATIONAL AND INTERNATIONAL LEVEL EVENTS TO BE PARTICIPATED IN

BIS has envisaged participation in events organised at national and international level as these events showcases the latest trends in the field of standardisation and technological advancements.

Considering the importance of these events, the Committee may please suggest such event where participation of BIS can benefit development of national standards.

Item 14 SCIENTIFIC JOURNALS AND PERIODICALS TO BE SUBSCRIBED

BIS has taken a new initiative to subscribe to scientific journal and periodicals relevant to committee work. It is also envisaged that relevant articles from these journal and periodicals are shared with members of sectional committee.

The Committee may please suggest important journals and magazines that may benefit the work of this Committee.

Item 15 CREATION OF POOL OF EXPERTS

As part of its initiative to develop a pool of experts for standardization activities, BIS has established standardization chairs in technical institutes of national repute, including IITs, NITs, and others. In addition, BIS plans to establish standardization cells in various manufacturer's associations to further this effort. By tapping into the knowledge and skills available in the country, this initiative can assist BIS in developing more effective and technically sound standards. This approach can also ensure that technical experts are linked with the National Standards Body to foster a high-quality ecosystem in India.

Item 16 RESEARCH PROJECT TO BE TAKEN UP FOR INCLUSION OF EMPIRICAL DATA AND INSIGHTS

BIS has recognized the importance of including research to generate empirical data in its standardization process for the development of Indian standards. Decision making without evidence can be challenging, and it may result in dropping some crucial projects related to standard making. In this regard, empirical data can help the committee to make informed decisions on such issues. By incorporating research-based empirical data, the standardization process can become more evidence-based, accurate, and effective, ultimately leading to the development of better and more relevant Indian standards. This type of project may be granted to experts in the relevant field.

The Committee may deliberate on this topic and identify standards that require empirical data for their development or revision.

https://www.services.bis.gov.in/php/BIS_2.0/eBIS/research-projects-commissioned

Interested members may kindly go through the same and submit their proposals.

ITEM 17 RECOMMENDATION OF THE PLANNING AND DEVELOPMENT ADVISORY COMMITTEE (PDAC) OF BUREAU OF INDIAN STANDARDS

16.1 The Planning and Development Advisory Committee (PDAC) of Bureau of Indian Standards in its 12th meeting decided as follows:

- a) Technical Committee should be sensitized for Eco requirements and standards should be formulated considering the environmental aspects.
- b) The committee felt that BIS should be proactively involved so as to have greater impact in International Standardization. For this purpose, the key areas are to be identified for formulating standards for new products.

The Committee may kindly note.

ITEM 18 GUIDELINES FOR MEMBERS OF TECHNICAL COMMITTEES

18.1 The committee may please note the following Guidelines provided by Competent Authority of BIS for implementation:

- i) Status of participation of members in the previous three meetings inviting suggestions for improvement (pl refer composition of the committee at **Annex-A**),
- ii) Status of comments received from various members during the last three years inviting suggestions for ensuring active participation,
- iii) Identification and involvement of talent available in the country related to the subject dealt by the committee and methodology to involve them in the proceedings of the Committee,
- iv) Status of standardization in the areas dealt by the committee at international level and suggestions for improving participation in the related committees of ISO/IEC, and
- v) Future plans and strategies to be adopted by the committee during the next 5 years aiming at contribution in related standardization activity at national and international level.

The Committee may kindly consider and give directions.

Item 19 TRANSLATION OF INDIAN STANDARDS FROM ENGLISH TO HINDI

This is for the information of committee members that there is a provision in BIS to translate the Indian Standards in Hindi by committee members. For this purpose they will be paid Rs. 250/- per page of A-4 size (Approx 300 words). Those members who are interested to do this job of translation can register their name with BIS details available at: <http://www.bis.org.in/other/EOIHT.html>.

The Committee may kindly note.

Item 20 DATE AND PLACE FOR THE NEXT MEETING

Item 21 ANY OTHER BUSINESS WITH PERMISSION OF CHAIR

21.1 Any other business with the permission of the chairman.

21.2 Scientific Journals and periodicals to be subscribed

Annex I
(Item 3.3)

**DOMESTIC AND COMMERCIAL GAS BURNING APPLIANCES
(PRESSURE TYPE) SECTIONAL COMMITTEE, MED 23**

No. of Meetings	Date	Place
34 th	15-03-2024	Virtual (Webex)
35 th	12-06-2024	Hybrid
36 th	30-08-2024	Virtual (Webex)

SL NO	ORGANIZATION REPRESENTED	PRINCIPAL /ALTERNATE	34 th	35 th	36 th	TOTAL
1.	LPG EQUIPMENT RESEARCH CENTRE, BANGALORE	SHRI T D SABU (CHAIRPERSON) SHRI P.R DEODHAR (ALT)	Y	Y	Y	3/3
2.	ALL INDIA LP GAS STOVE ASSOCIATION, DELHI	SHRI YUGAL MALHOTRA	N	N	N	0/3
3.	BHARAT PETROLEUM CORPORATION, LTD, MUMBAI	SHRI MOHIT RANE SHRI HARI BABU BANOTH (ALT) MS. RUCHIKA TULI (ALT)	Y	Y	Y	3/3
4.	BUREAU OF ENERGY EFFICIENCY	MS. PRAVATANALINI SAMAL SHRI KAMRAN SHAIKH (ALT) SHRI MUKHE K SAI SATVIK (ALT)	N	Y	Y	2/3
5.	BSH HOUSEHOLD APPLIANCES MFG. PVT. LTD (BOSCH-SIEMENS)	SHRI LONGANATHAN VIJAY KUMAR	Y	Y	Y	3/3
6.	BUTTERFLY GANDHIMATHI APPLIANCES PRIVATE LIMITED, CHENNAI	SHRI K. SHANMUGAVELU SHRI A. BASKAR (ALT)	N	N	Y	1/3
7.	CSIR - INDIAN INSTITUTE OF PETROLEUM, DEHRADUN	SHRI PANKAJ KUMAR ARYA	N	N	Y	1/3
8.	GORANI INDUSTRIES, INDORE	SHRI NAKUL GORANI	N	N	N	0/3
9.	GOYAL ENGINEERS PRIVATE LIMITED, NEW DELHI	SHRI AJAY GOYAL SHRI NEERAJ GOYAL (ALT)	Y	Y	Y	3/3
10.	HINDUSTAN PETROLEUM CORPN LTD, MUMBAI	SHRI PITABAS SARANGI SHRI REDDY DHANUMJAYA RAO (ALT)	Y	Y	Y	3/3

11.	IDEAL ENGINEERS HYDERABAD PRIVATE LIMITED, HYDERABAD	SHRI SATISH KABRA	NA	Y	Y	2/2
12.	INDRAPRASTHA GAS LIMITED, NEW DELHI	SHRI PAWAN KUMAR SHRI ANUPE FRANCIS (ALT)	N	N	N	0/3
13.	INDIAN INSTITUTE OF TECHNOLOGY, GUWAHATI	PROF. MUTHU KUMAR	N	Y	Y	2/3
14.	MAHANAGAR GAS LIMITED, MUMBAI	SHRI BHATTIPROLU RAM SUDHEER MS. NEHA KHARYA (ALT)	N	Y	Y	2/3
15.	ARISTON THERMO INDIA PVT. LTD, PUNE (RACOLD THERMO PVT. LTD.)	SHRI ABHIJIT BANSHELKIKAR	Y	Y	Y	3/3
16.	RAMA DOMESTIC APPLIANCES, NEW DELHI	SHRI AMARJEET SINGH .KOHLI SHRI MANMOHAN KRISHNAN (ALT)	Y	N	Y	2/3
17.	SHRI KRISHNA TEST HOUSE	SHRI SUNIL TALWAR	Y	Y	Y	3/3
18.	SUNFLAME ENTERPRISES PVT. LTD., FARIDABAD	SHRI K.L. VERMA SHRI SANDEEP JUNEJA (ALT)	Y	Y	N	2/3
19.	STOVKRAFT, KARNATAKA	SHRI VIVEK KULKARNI	NA	Y	Y	2/2
20.	VANAZ ENGINEERING LTD, PUNE	SHRI A. A. TAMBOLI SHRI V. N. PUJARI (ALT)	N	N	N	0/3

Annex II
(Item 6.1)

The present POW of MED 23 is enclosed below:



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pdf

ANNEX – III
(Item 11.1)
Annex a)

R&D PROJECTS FOR ESTABLISHMENT / REVISION OF INDIAN STANDARDS

1. The Bureau of Indian Standards (BIS) is by statute, custodian of standardization activity, empowered by the Bureau of Indian Standards Act, 2016 and is chartered to carry out the standardization activity in various disciplines.
2. BIS formulates Indian Standards and special publications/handbooks in different subjects as may be required from time to time. In the process, BIS has formulated more than 19000 Indian Standards and a number of special publications/handbooks in diverse fields. These are being reviewed from time to time to decide on the need for their revision/amendment, reaffirmation or withdrawal.
3. While reviewing/revising an existing Indian Standard or formulating new Indian Standards, it is required to obtain latest R&D data/technical inputs so that these standards so revised/formulated are most up-to-date reflecting the state-of-the-art and are at par with international standards and practices. This has become especially important now in view of globalization and consequent opening up of economies of the world. Such intensive in depth review of large number of existing Indian Standards and formulation of new Indian Standards in specialized fields, is highly onerous task necessitating intensive involvement of different specialized / R&D expert(s) / expert organization(s), who could provide latest technological inputs and advice on such specific subjects / issues.
4. In certain cases, such as where subjects / standards are of highly complex and specialized nature or where voluminous technical work is involved or where a group of inter-related standards in important areas are to be brought out/revised or in case of formulation/ revision of special publications/handbooks, such assignments may be termed as major technical assignments. It is desirable that, wherever required, these major technical assignments taken up in project mode may be outsourced to organizations/experts having expertise in the concerned fields, who would prepare the draft standards for the consideration of concerned Sectional Committee of BIS and complete the project for formulation / revision of concerned

standards under the aegis of the Divisional Council in a time bound manner. The major technical assignments on formulation / revision of Indian Standards or special publications / handbooks shall be identified by concerned Sectional Committee for outsourcing to such expert(s) / expert organization(s). An expert, if identified by the Sectional Committee, may also be considered for hiring as Advisor to BIS, for carrying out the concerned major technical work. Such Advisor shall be hired for on a fixed tenure and a fixed honorarium basis. The Sectional Committee shall be responsible for identification and recommendation for the outsourced organization/expert for the specific projects, scope and terms of reference and the amount to be allocated for each assignment and its timeframe. Recommendations would then be considered and approved by the Standards Advisory Committee on recommendations of concerned Division Council.

5. These expert organizations/expert(s)/advisor(s) may, inter-alia, be assigned the following tasks:
 - a) Responsibility to act as an alert mechanism by providing updated information about the latest technological developments, both, at National and International Levels;
 - b) Carrying out review of Indian Standards in specific fields on periodic basis as required;
 - c) Examination of proposals for new standards in new technology areas and giving advice thereon;
 - d) Preparation of drafts for formulation / revision of Indian Standards specially in case, of subjects / standards and special publications / handbooks considered as major technical assignments;
 - e) Partnership in R&D projects for standards development; and
 - f) Any other function that the Division Council or sectional committee may find necessary.
6. The pattern and manner of funding such organization(s) / expert(s) shall be approved by the Division Council.
7. The proposals shall *inter-alia* consist of the following:
 - a) Details of the Organization / expert / advisor;
 - b) In case of expert organization, the CV of the Principal and alternate Project leader and a letter from organization authorizing Principal and alternate Project leader to undertake the study as proposed and also that facilities available with the organization would be made available to them;
 - c) Objective and scope of the project clearly highlighting the need of such study and what would be the final deliverable;
 - d) Methodology to be adopted for the proposed study with a clear road map and time plan for completion of the project;
 - e) Proposed budget clearly specifying expenditure against each element such as manpower, machine, travelling, testing, consumables, stationary, overheads, etc.;
 - f) Proposed payment criteria.

Annex (b)

GUIDELINES FOR INTENSIFYING PARTICIPATION OF MEMBERS IN BIS TECHNICAL COMMITTEE MEETINGS

Guidelines for Payment of TA to Members of BIS Technical Committees

1. Purpose of Travel

To attend meetings of Standards Advisory Committee, Division Council, Sectional Committee, Sub-Committee, Panel, etc, of BIS.

2. Organizations entitled for Reimbursement of Travelling Expenses

The following organizations who are members of technical committees, are entitled for Reimbursement of Travelling Expenses:

- Universities and academic institutions under the Government and private sector
- Government/Private- Hospitals and Medical Institutions,
- CSIR / ICAR and its Laboratories,
- Other Government and Regulatory bodies and R&D organizations
- PSU organizations
- Consumer Organization
- Experts in personal capacity
- Industry associations

The entitlement is subject to the following conditions:

- a) Their parent organization is not in a position to pay for their travel expenses.

- b) The nominee should have contributed actively in the formulation of Indian Standards / technical committee work.
- c) Member / Organization represented should have sustained participation in the work of the BIS technical committee.

3. Reimbursement of Travel Expenses

The following norms would be adopted for reimbursing the travel expenses:

Places not connected by Air or Rail – Actual conveyance charges by road not exceeding the fare of the member's entitled class of travel by train subject to production of receipts.

Places connected by Air or Rail (Distance not more than 500 km)

The journey which can be performed by road or train, but reimbursement will be restricted to the member's entitled class of travel by train subject to production of receipts/ train ticket.

Places connected by Air or Rail – Reimbursement restricted to his / her entitled class of travel by train on production of the ticket or by Air (economy class) subject to production of receipts / train ticket.

4. Admissible Fare for Air Travel

Travel by any airlines by economy class

5. Reimbursement of Local Expenses

- a) Conveyance charges for local transport (from airport/railway station, etc., to place of meeting and back to airport/railway station) will be reimbursed limited to travel by taxi as per the rates approved by local authority in that place;
- b) Rs. 500=00 per day as out of pocket expenses; and
- c) Rs. 3000=00 plus applicable tax(es) per day towards accommodation, subject to production of receipts.

6. Sanctioning Authority

Chief (*Standardization*), BIS, will be the sanctioning authority.

*** Note:** This clause provides for calculation of amount of reimbursement, when travelled by road. Here, charges of 2nd AC as per Railway time table based on mileage by road are the limiting factor.

ANNEX-IV
(Item 8)

PROFORMA FOR PROPOSING NEW SUBJECTS FOR NATIONAL STANDARDIZATION

1. Proposer
(Name & Address)
2. Title
(Indicate whether the standard required is for product specification/methods of test/code of practice and define the subject in brief.)
3. Scope
(Define the limits to be considered)
4. Purpose and justification
5. Likely users of standard and their
6. Any related standard/series of standard/system standard required to make this subject standard complete.....
7. When the final Standard would be required (any time limit).....
8. Any specific bottlenecks without this Standard.....
9. Bearing with Govt legislation regulation, etc.....
10. Name and address of manufacturers. implementing industries, purchasing organization/component supplier/raw material supplier.....
(approx production figure and approx value of overseas trade, if available)
11. Availability of test facilities.....
12. Whether related to variety reduction, export, health, safety consumer production, mass consumption , energy conservation, technology transfer, technology upgradation, protection of environment & other national priorities
13. Relevant supportive documents/standards.....
14. R&D work done in India.....
15. Status of the industry in the country.....
16. Any foreign collaboration (give details).....
17. Liaison with any Organization(s).....
18. Preparatory work:
 - a) whether draft attached.....
 - b) whether outline attached and draft can be prepared.....
 - c) no draft possible, if so, why ?
19. Whether this project can be funded by your organization or can it be sponsored. by industry/associations/ professional bodies/ministry? If yes, to what extent?.....
20. Whether your Organization would be interested to opt for BIS Standard Mark once the standard is published?.....

Date.....

Signature

NOTES

1. It is desirable that the information is provided by the proposer for all items of the proforma; in any case information against item 1 to 5 must be provided
2. Write 'NA' wherever not applicable
3. Add separate sheet to elaborate.

