

BUREAU OF INDIAN STANDARDS

MEDICAL EQUIPMENT AND HOSPITAL PLANNING DEPARTMENT (MHD)

AGENDA

Sectional Committee	Meeting No:	Date, Day & Time
Obstetric And Gynaecological Instruments and Appliances, (MHD 03)	21	30 April, 2024 (Tuesday) 02:30 PM onwards
Meeting Link: https://bismanak.webex.com/bismanak/j.php?MTID=mb7c8a859159d60c25861b4f1dd7f7fcb Meeting Number: 2514 084 0806 Password: MHD3@bis21		
Chairperson Dr Suneeta Mittal, In-personal capacity	Member Secretary Gurpreet Kaur, Sc-B, MHD, BIS	

ITEM 0 GENERAL

0.1 WELCOME ADDRESSES BY MEMBER SECRETARY

0.2 OPENING REMARKS BY CHAIRPERSON

ITEM 1 CONFIRMATION OF MINUTES OF THE PREVIOUS MEETING

1.1 The minutes of the 20th meeting of Obstetric and Gynaecological Instruments and Appliances Sectional Committee (MHD 03) held on 12th December, 2023 approved by the Chairperson was circulated to all members through the BIS portal as well as email vide letter no: MHD03/A2.20 dated 22 December 2023.

1.2 No comments have been received so far.

The Committee may formally confirm the minutes.

ITEM 2 SCOPE AND COMPOSITION OF SECTIONAL COMMITTEE

2.1 In the 19th meeting of MHD 03, it was decided to modify the scope as follows:

Current Scope	Modified Scope
<p>a. To formulate Indian Standards for instruments, appliances, and medical devices, used in obstetrics and gynaecology and for contraception.</p> <p>b. To coordinate with the work of <i>ISO/TC 157 'Non-systemic contraceptives and STI barrier prophylactics.'</i></p>	<p>a. To formulate Indian Standards for instruments, appliances, medical devices used in obstetrics and gynaecology and for contraception and STI Barrier prophylactics.</p> <p>b. To coordinate with the work of <i>ISO/TC 157 'Non-systemic contraceptives and STI barrier prophylactics.'</i></p>

The modified scope has been approved by the Medical Equipment and Hospital Planning Division Council in its 17th meeting held on 27th March 2024.

The Committee may please note.

2.2 The present composition of MHD 03 along with participation status of members is enclosed at [Annexure-A \(Pages 8-10\)](#).

2.3 It is observed that the following organizations are represented by one individual, i.e. Principal Member only:

Sl. No.	Organisation	Represented by
1	Indian Institute of Technology, Kharagpur	Dr S K Guha
2	Office of Development Commissioner (MSME), New Delhi	Mr. Suvankar Santra

The Committee may please note.

2.4 The 1st meeting of MHD03:WG01 Menstrual Cups was held on 10th January 2024. The 'Questionnaire on Specifications for Menstrual cups' received from Chemco Industries Pvt. Ltd., Mumbai were circulated to the Committee vide email dt. 27-02-2024. The draft incorporating the comments received from members is to be taken up for wide circulation.

The Committee may kindly decide.

ITEM 3 DRAFT STANDARDS FOR FINALIZATION

The following draft Indian Standards have been sent for wide circulation:

Sl. No.	Document No.	Title	Last date for comments
1.	MHD 03 (25156)	Uterine Sound - Specification (<i>Second revision of IS 5829: 1982</i>)	02 May 2024
2.	MHD 03 (25157)	Anterior Vaginal Wall Retractor Sims Pattern - Specification (<i>First revision of IS 5849: 1970</i>)	02 May 2024
3.	MHD 03 (25158)	Vaginal Speculum Cusco's Pattern - Specification (<i>First revision of IS 5906: 1970</i>)	02 May 2024
4.	MHD 03 (25159)	Suction Type Uterine Curette - Specification (<i>First revision of IS 6111: 1971</i>)	02 May 2024
5.	MHD 03 (25160)	Mucus Sucker - Specification (<i>First revision of IS 6373: 1971</i>)	02 May 2024
6.	MHD 03 (25271)	Sims Pattern Double-Ended Sharp Uterine Curette - Specification (<i>First Revision of IS 6499: 1971</i>)	15 May 2024
7.	MHD 03 (25272)	Cannula Intra-Uterine Hysterosalpingography - Specification (<i>First Revision of IS 10156: 1982</i>)	15 May 2024
8.	MHD 03 (25273)	Laposcopic Trocar And Cannula Specification (<i>First Revision of IS 12271: 1988</i>)	15 May 2024
9.	MHD 03 (25274)	MTP Suction Apparatus Specification Part 1 Manually Operated (<i>Third Revision of IS 7080 (Part 1): 1992</i>)	15 May 2024
10.	MHD 03 (25275)	MTP Suction Apparatus Specification Part 2 Electrical-Cum-Manually Operated (<i>Second Revision of IS 7080 (Part 1): 1992</i>)	15 May 2024

Where no comments are received, the documents may be finalized in consultation with the Chairperson.

The Committee may kindly note.

ITEM 4 DRAFT STANDARDS FOR APPROVAL FOR WIDE CIRCULATION

The following ISO Standard is to be taken up for adoption as an Indian Standard:

Sl. No.	Document No./ Standard No.	Title	Remarks
1.	ISO /TS 23148:2024	Compatibility of lubricants with synthetic male condoms	<i>New adoption of ISO Standard</i>

The Committee may kindly approve.

ITEM 5 DRAFT UNDER PREPARATION

The following drafts are being formulated under various working groups of MHD 03:

Subject	WG composition
<u>MHD/03/19202 (P draft)</u> <i>Menstrual Cups – Specification</i>	Mr Gaurav Saraogi, Chemco Industries (<i>Convener</i>) Dr Suneeta Mittal, Chairperson Dr K Sivakumar, In personal capacity Dr Malabika Roy, In personal Capacity Mr Mukund R, HLL Lifecare Dr Minakshi Rohilla, PGIMER, Chandigarh
<u>MHD/03/20629 (P draft)</u> <i>Intrauterine Contraceptive Devices – Copper-T (380A) – Specification</i>	Dr K Sivakumar, In personal capacity (<i>Convener</i>) Dr Suneeta Mittal, Chairperson Mr Mukund R, HLL Lifecare Experts from Corporate Channels India
<u>MHD/03/21249 (P draft)</u> <i>LNG IUD – Specification</i>	Mr Mukund R, HLL Lifecare (<i>Convener</i>) Dr Suneeta Mittal, Chairperson Dr K Sivakumar, In personal capacity Dr Malabika Roy, In personal capacity Mr Ajit Raje, Pregna International Ltd. Experts from SCTIMST, Kerala
<i>Vaginal Ring</i>	Dr Malabika Roy (<i>Convener</i>) Dr Suneeta Mittal, Chairperson Dr K Sivakumar

The Committee may kindly note.

ITEM 6 COMMENTS ON PUBLISHED STANDARDS

No comments have been received on published Indian Standards.

The committee may kindly note.

ITEM 7 NEW SUBJECTS

The following subjects have been taken up under MHD 03:

- a. Cautery:

In the last meeting, it was decided to explore existing IEC Standards on Electrocautery. *IEC 60601-2-2:2017 Medical electrical equipment - Part 2-2: Particular requirements for the basic safety*

and essential performance of high frequency surgical equipment and high frequency surgical accessories has been adopted under MHD15. The scope of the standard is:

This part of IEC 60601 applies to the Basic Safety and Essential Performance of HF Surgical Equipment and HF Surgical Accessories as defined in 201.3.224 and 201.3.223.

HF Surgical Equipment having a Rated Output Power not exceeding 50 W (for example for micro-coagulation, or for use in dentistry or ophthalmology) is exempt from certain of the requirements of this particular standard. These exemptions are indicated in the relevant requirements.

However, as per Annex-AA, clause AA.2 Rationale for particular clauses and subclauses of the standard:

The scope does not include equipment for cautery, i.e. for medical treatment with electrically heated metal rods or wire loops. This edition provides, to the extent feasible, separate requirements and tests for HF Surgical Equipment and HF Surgical Accessories, independent of manufacture. Associated Equipment is included in the definition of Accessories.

b. Balloon Ablation

The Committee may deliberate and decide further course of action.

ITEM 8 TECHNICAL ISSUES

There are no specific technical issues to be discussed.

The Committee may kindly note.

ITEM 9 INTERNATIONAL ACTIVITIES

9.1 India is a P-member in ISO/TC 157 ‘Non-systemic contraceptives and STI barrier prophylactics. A list of ISO Standards published by ISO/TC 157 and present status of adoption of such ISO Standards has been given in [Annexure-B \(Pages 11-12\)](#).

9.2 The 39th meeting of ISO/TC 157 Plenary and WG meetings is scheduled from 23 September to 27 September, 2024 in Ultimo, Australia. Nominations were sought from NMC vide email dt. 13/03/2024. The following nominations have been received:

S. No.	Member Name	Organization
1.	Dr Suneeta Mittal	In Personal Capacity, Chairperson
2.	Dr. K. Sivakumar	In Personal Capacity (Convener, WG 14 & WG 17)

3.	Dr. Malabika Roy	In Personal Capacity
4.	Mr P J Reddy	Indus Medicare Private Limited, Hyderabad (Convener, TG 2)
5.	Mr B. R. Mohanty	Indus Medicare Private Limited, Hyderabad
6.	Dr. Puneet Manocha	MHL Healthcare Limited, Muzaffarnagar
7.	Mr Brijj Balaji Singh	TTK Healthcare Limited, Chennai
8.	Dr. Minakshi Rohilla	PGIMER, Chandigarh
9.	Ms. Sukhada Ajay Navaratne	Central Drugs Testing Laboratory, Mumbai
10.	Mr Girish R Shah	SMB Corporation of India, Mumbai
11.	Mr Anupam Rai	SMB Corporation of India, Mumbai
12.	Gurpreet Kaur Bhombra	BIS, New Delhi

The Committee may kindly consider.

9.3 The BIS Committee on ‘Technical Textiles for Medtech Applications’ (TXD 36) has liaison with **ISO/TC 338 Menstrual products**. The scope of ISO/TC 338 is as follows:

Standardization in the field of menstrual products, covering all products intended for both single and multiple use, regardless of material.

Experts can be nominated in ISO/TC 338/WG 1 Safety, performance and general requirements of menstrual products.

ITEM 10 PROGRAMME OF WORK

10.1 The present Programme of Work of Obstetric and Gynaecological Instruments and Appliances Sectional Committee (MHD 03) is available at BIS website www.bis.gov.in.

The Committee may kindly note.

10.2 Review of Indian Standards (pre-2000 Standards)

10.2.1 All the Indian Standards published before the year 2000 need to be reviewed for revision/withdrawal/archived in the light of technological developments that have happened so far in relation to these standards.

10.2.2 The list of such Indian Standards is given at [Annexure-C \(Pages 13-15\)](#).

10.3 In addition to the standards under WC, the revision drafts for the following standards are under preparation:

Sr. No.	IS No.	Title
1.	IS 6112: 1971	Speculum Vaginal Double Ended Sim's Pattern
2.	IS 6114: 1991	Gynaecological instruments forceps uterine vulsellum - Shape and dimensions (First Revision)
3.	IS 6115: 1991	Gynaecological instruments – Forceps uterine tenaculum – Shape and dimensions (First Revision)
4.	IS 6505: 1971	Curette Uterine Double-ended Sharp and Blunt Sim's Pattern
5.	IS 6510: 1971	Specification for curette endometrial biopsy suction type
6.	IS 6578: 1992	Obstetrics instruments – Forceps ovum – Shape and dimensions (First Revision)
7.	IS 6584: 1972	Dilators Uterine Single Ended Hegar's Pattern
8.	IS 6589: 1992	Gynaecological Instruments - Forceps uterine dressing Bozemann's pattern - Shape and dimensions
9.	IS 6957: 1973	Specification for curette blunt uterine
10.	IS 6959: 1973	Specification for scissors embryotomy curved on flat
11.	IS 7103: 1973	Specification for scissors episiotomy
12.	IS 7117: 1973	Specification for scissors umbilical cord
13.	IS 7432: 1974	Clamp Myomectomy Bonney's Pattern
14.	IS 7433: 1992	Obstetrics Instruments – Forceps round ligament Bonney's pattern – Shape and dimensions
15.	IS 7475: 1992	Obstetric instruments – Clamp vaginal angled – Shape and dimensions (First Revision)

The Committee may kindly review.

ITEM 11 DATE AND PLACE OF NEXT MEETING

As per the approved Annual Meeting Calendar for 2024-25, the next meeting of MHD 03 is scheduled on 26th July 2024 (Friday).

The Committee may kindly note.

ITEM 12 ANY OTHER BUSINESS

ANNEXURE-A

(Item 2.2)

Composition of Sectional Committee

S.No.	Organization	Member Name	Role	Attendance
1	In Individual Capacity	Dr Suneeta Mittal	Chairperson	2/2
2	All India Institute of Medical Sciences, New Delhi	Mr Sunesh Kumar	Principal Member	1/2
3	All India Institute of Medical Sciences, New Delhi	Mr J. B. Sharma	Alternate Member	
4	Association of Indian Medical Device Industry, New Delhi	Mr C.S.Prasad	Alternate Member	
5	Association of Indian Medical Device Industry, New Delhi	Mr Ankur Bhargava	Alternate Member	1/2
6	Association of Indian Medical Device Industry, New Delhi	Mr Pradeep Narkhede	Principal Member	
7	Association of Indian Medical Device Industry, New Delhi	Mr Sumedh Kaulgud	Alternate Member	
8	CIPET, Chennai	Mr Manoranjan Biswal	Alternate Member	
9	CIPET, Chennai	Ms K.P. Bhuvana	Principal Member	1/2
10	CIPET, Chennai	Ms Nalini R	Young Professional	
11	Central Drugs Standard Control Organization, New Delhi	Dr Aseem Sahu	Principal Member	
12	Central Drugs Standard Control Organization, New Delhi	Dr Shyamni Sasidharan	Alternate Member	1/2
13	Central Drugs Standard Control Organization, New Delhi	Mr Aniruddh Singh Negi	Young Professional	
14	Central Drugs Testing Laboratory, Chennai	Ms C. Vijayalakshmi	Principal Member	
15	Central Drugs Testing Laboratory, Chennai	Mr Kishore Gembali	Alternate Member	1/2
16	Central Drugs Testing Laboratory, Mumbai	Ms Sayali Umesh Warde	Principal Member	
17	Central Drugs Testing Laboratory, Mumbai	Ms Sukhada Ajay Navratne	Alternate Member	2/2
18	Central Drugs Testing Laboratory, Mumbai	Mr Amol Akash	Young Professional	
19	Chemco Plastic Industries Private Limited, Mumbai	Ms Rupande Sampat	Alternate Member	
20	Chemco Plastic Industries Private Limited, Mumbai	Mr Gaurav Saraogi	Principal Member	2/2

21	Corporate Channel India Private Limited, Udaipur	Mr Vinod Kumat	Principal Member	2/2
22	Corporate Channel India Private Limited, Udaipur	Mr Ramnick Dagaria	Alternate Member	
23	HLL Lifecare Limited, Thiruvananthapuram	Mr R Mukund	Alternate Member	2/2
24	HLL Lifecare Limited, Thiruvananthapuram	Ms. Smitha L G	Principal Member	
25	Indian Institute of Technology, Kharagpur	Dr S. K. Guha	Principal Member	2/2
26	Indus Medicare Limited, Hyderabad	Mr P. J. Reddy	Principal Member	2/2
27	Indus Medicare Limited, Hyderabad	Mr Biswaranjan Mohanthy	Alternate Member	
28	Johnson and Johnson Private Limited, Mumbai	Mr Hemant Sonawane	Principal Member	1/2
29	Johnson and Johnson Private Limited, Mumbai	Mr Bhuwandeep Singhla	Alternate Member	
30	Kalam Institute of Health Technology, Vishakhapatnam	Mr Arjun Thimmaiah	Principal Member	2/2
31	Kalam Institute of Health Technology, Vishakhapatnam	Mr Satyan Sharma	Alternate Member	
32	Kalam Institute of Health Technology, Vishakhapatnam	Mr Mohan Ragul	Young Professional	
33	MHL Healthcare Limited, Muzaffarnagar	Dr Puneet Manocha	Principal Member	2/2
34	MHL Healthcare Limited, Muzaffarnagar	Mr Sudhansu Bhusan Mishra	Alternate Member	
35	Office of Development Commissioner (MSME), New Delhi	Dr Suvankar Santra	Principal Member	2/2
36	Post Graduate Institute of Medical Education and Research, Chandigarh	Dr G.R.V. Prasad	Principal Member	2/2
37	Post Graduate Institute of Medical Education and Research, Chandigarh	Dr Minakshi Rohilla	Alternate Member	
38	Pregna International Limited, Pune	Mr Ajit Raje	Principal Member	2/2
39	Pregna International Limited, Pune	Mr Ranjit Gaikwad	Alternate Member	
40	Rubber Research Institute of India, Rubber Board, Kottayam	Dr Shera Mathew	Alternate Member	1/2
41	Rubber Research Institute of India, Rubber Board, Kottayam	Dr Siby Varghese	Principal Member	

42	SMB Corporation of India, Mumbai	Mr Anupam Rai	Alternate Member	2/2
43	SMB Corporation of India, Mumbai	Mr Girish R. Shah	Principal Member	
44	TTK Healthcare Limited, Chennai	Mr Brij Balaji Singh	Principal Member	2/2
45	TTK Healthcare Limited, Chennai	Mr John Selwyn Daniel	Alternate Member	
46	Vardhman Mahavir Medical College and Safdarjung Hospital, New Delhi	Dr Bindu Bajaj	Principal Member	0/0
47	Vardhman Mahavir Medical College and Safdarjung Hospital, New Delhi	Dr Jyotsna Suri	Alternate Member	
48	In Personal Capacity	Dr K. Sivakumar	Personal Capacity	2/2
49	In Personal Capacity	Dr Malabika Roy	Personal Capacity	2/2
50	In Personal Capacity	Dr Amit Sen Gupta	Personal Capacity	1/2

ANNEXURE-B

(Item 9.1)

List of ISO Standards Published by ISO/TC 157 Secretariat

ISO/TC 157		MHD-03		
Published standards	19	Adopted	Under Development	Not adopted
Under Development	2	16	2	01

Sr. no	ISO	Title	Existing IS	Status of adoption
1	ISO 4074:2015	Natural rubber latex male condoms — requirements and test methods	IS/ISO 4074: 2015	Adopted
2	ISO 7439:2023	Copper-bearing contraceptive intrauterine devices — Requirements and tests	MHD/03/23554	Under print
3	ISO 8009:2014	Mechanical contraceptives — Reusable natural and silicone rubber contraceptive diaphragms — Requirements and tests	IS/ISO 8009: 2014	Adopted
4	ISO 11249:2018	Copper-bearing intrauterine contraceptive devices — Guidance on the design, execution, analysis and interpretation of clinical studies	IS/ISO 11249: 2018	Adopted
5	ISO 16037:2002	Rubber condoms for clinical trials — Measurement of physical properties	IS/ISO 16037: 2002	Adopted
6	ISO 16037: 2002/ AMD 1:2011	Rubber condoms for clinical trials — Measurement of physical properties — Amendment 1	AMD 1 to IS/ISO 16037: 2002	Adopted
7	ISO 16038:2017	Male condoms — Guidance on the use of ISO 4074 and ISO 23409 in the quality management of condoms	IS 17692: 2021	Adopted
8	ISO 19351:2019	Fallopian rings — Requirements and test methods	IS 13009: 2021	Adopted
9	ISO 19671:2018	Additional lubricants for male natural rubber latex condoms — Effect on condom strength	IS 17810: 2022	Adopted
10	ISO/TR 19969:2018	Guidance on sample handling for determination of bursting volume and pressure, and testing for freedom from holes for male condom	IS 17811: 2022	Adopted

11	ISO 23409: 2011	Male condoms — Requirements and test methods for condoms made from synthetic materials	IS/ISO 23409: 2011	Adopted
12	ISO/TR 24484:2023	Female condoms — Use of ISO 25841 and the quality management of female condoms	MHD/03/23553	Under print
13	ISO 25841:2017	Female condoms — Requirements and test methods	IS 17962: 2022	Adopted
14	ISO 25841: 2017/ AMD 1:2020	Female condoms — Requirements and test methods — Amendment 1	IS 17962: 2022	Adopted
15	ISO 29941:2010	Condoms — Determination of nitrosamines migrating from natural rubber latex condoms	IS/ISO 29941: 2010	Adopted
16	ISO 29942:2011	Prophylactic dams — Requirements and test methods	IS/ISO 29942: 2011	Adopted
17	ISO 29943-1:2017	Condoms — Guidance on clinical studies — Part 1: Male condoms, clinical function studies based on self-reports	IS/ISO 29943 (Part 1): 2017	Adopted
18	ISO 29943-2:2017	Condoms — Guidance on clinical studies — Part 2: Female condoms, clinical function studies based on self-reports	IS/ISO 29943 (Part 2): 2017	Adopted
19	ISO /TS 23148:2024	Compatibility of lubricants with synthetic male condoms		Not Adopted

ANNEXURE C

(Item 10.2.2)

List of Indian Standards (pre-2000 Standards)

Sr. No.	IS No.	Title	Remarks
1	IS 5829: 1982	Specification for sound uterine (First Revision)	MHD/03/25156
2	IS 5849: 1970	Retractor Anterior Vaginal Wall Sim's pattern	MHD/03/25157
3	IS 5906: 1970	Speculum Vaginal Cusco's pattern	MHD/03/25158
4	IS 6111: 1971	Specification for curette uterine Suction Type	MHD/03/25159
5	IS 6112: 1971	Speculum Vaginal Double Ended Sim's Pattern	
6	IS 6114: 1991	Gynaecological instruments forceps uterine vulsellum - Shape and dimensions (First Revision)	
7	IS 6115: 1991	Gynaecological instruments – Forceps uterine tenaculum – Shape and dimensions (First Revision)	
8	IS 6373: 1971	Specification for sucker mucus	MHD/03/25160
9	IS 6499: 1971	Curette Uterine Double-ended Sharp Sim's Pattern	MHD/03/25271
10	IS 6505: 1971	Curette Uterine Double-ended Sharp and Blunt Sim's Pattern	
11	IS 6510: 1971	Specification for curette endometrial biopsy suction type	
12	IS 6565: 1972	Stethoscope foetoscope for Foetal Heart Sounds Pinard's Pattern	
13	IS 6578: 1992	Obstetrics instruments – Forceps ovum – Shape and dimensions (First Revision)	
14	IS 6584: 1972	Dilators Uterine Single Ended Hegar s Pattern	
15	IS 6589: 1992	Gynaecological Instruments - Forceps uterine dressing Bozemann s pattern - Shape and dimensions	
16	IS 6957: 1973	Specification for curette blunt uterine	
17	IS 6958: 1973	Specification for knife decapitation	Withdrawn
18	IS 6959: 1973	Specification for scissors embryotomy curved on flat	
19	IS 6960: 1973	Specification for catheters metal female	
20	IS 6999: 1973	Specification for Cannula Artificial Insemination	
21	IS 7080 (Part 1): 1992	MTP suction apparatus – Specification Part 1 manually operated Second Revision	MHD/03/25274
22	IS 7080 (Part 2): 1992	MTP suction apparatus – Specification Part 2 electrical and manually operated First Revision	MHD/03/25275
23	IS 7080 (Part 3): 1992	MTP suction apparatus specification Part 3 electrically operated	Under print MHD/03/20943

24	IS 7100: 1973	Hook Decapitation Jardine's Pattern	
25	IS 7103: 1973	Specification for scissors episiotomy	
26	IS 7115: 1973	Specification for apparatus tubal patency	
27	IS 7116: 1973	Specification for forceps midwifery short	
28	IS 7117: 1973	Specification for scissors umbilical cord	
29	IS 7432: 1974	Clamp Myomectomy Bonney's Pattern	
30	IS 7433: 1992	Obstetrics Instruments – Forceps round ligament Bonney's pattern – Shape and dimensions	
31	IS 7475: 1992	Obstetric instruments – Clamp vaginal angled – Shape and dimensions (First Revision)	
32	IS 7480: 1974	Perforator Simpson's Pattern	
33	IS 7484: 1974	Retractor Vaginal Purandare's Pattern	
34	IS 7725: 1975	Hook IUCD Shirodkar's Pattern	
35	IS 7735: 1992	Forceps sponge holding – Shape and dimensions (First Revision)	
36	IS 7736: 1975	Specification for screw myoma	
37	IS 7737: 1975	Specification for forceps punch cervical biopsy	
38	IS 7964: 1992	Obstetric instruments – Forceps caesarean section haemostasis green – Armytage pattern – Shape and dimensions (First Revision)	
39	IS 7981 (Part 1): 1976	Instruments Tuboplasty – Part I Occluder Cervical Shirodkar's Pattern	
40	IS 7981 (Part 2): 1976	Specification For Instruments Tuboplasty – Part II Cannula Shirodkar's Pattern	
41	IS 7981 (Part 3): 1976	Instruments Tuboplasty – Part III Guide Shirodkar's Pattern	
42	IS 7981 (Part 4): 1976	Instruments Tuboplasty – Part IV Probe Single Ended Shirodkar's Pattern	
43	IS 7981 (Part 5): 1976	Instruments Tuboplasty – Part V Probe Double-Ended Shirodkar's Pattern	
44	IS 8313: 1977	Specification for cannula flexible karman type	
45	IS 8314: 1977	Forceps Midwifery Modified Kedarnath Das Pattern without Axis Traction	Withdrawn
46	IS 8342: 1977	Forceps Midwifery Modified Kedarnath Das Pattern with Axis Traction	Withdrawn
47	IS 8458: 1977	Manipulators Uterine Dr Purandare's Pattern	Withdrawn
48	IS 8459: 1977	Specification for menstrual regulation syringe	
49	IS 9756: 1981	Specification for cups vacuum extraction	Subject taken up for R&D
50	IS 10156: 1982	Specification for cannula intra-uterine hysterosalpingography	MHD/03/25272
51	IS 10545: 1992	Gynaecological and obstetric instruments - Clamp curved on flat Heaney s pattern - Shape and dimensions	

52	IS 12256: 1988	Specification for curette uterine biopsy angled	
53	IS 12270: 1988	Cannula Spackmann's Pattern	
54	IS 12271: 1988	Specification for laproscopic trocar and cannula	MHD/03/25273