

BRISTLES GRADING AND MARKING RULES

1. Short title and application.— (1) These rules may be called the Bristles Grading and Marking Rules, 1969.

(2) They shall apply to bristles obtained from pigs and to cut bristles obtained from such bristles by cutting either flag ends or root ends which are produced in India.

2. Grade designations.— (1) Grade designations indicating the quality of bristles as set out in column 1 of Schedules I to IX-A shall be known as “General Grades”.

(2) In addition to the grade designations referred to in sub-rule (1), there shall also be “Special Grades” and “Select Grades” which shall satisfy the conditions specified in Schedules X to XI-A respectively.

3. Definition of quality.—The quality indicated by the various grade designations shall be as set out against each designation in columns 2, 3 and 4 of Schedules I to IX-A and in Schedules X to XI-A.

4. Grade designation mark.—The grade designation mark shall consist of a label bearing the design set out in Schedule XII specifying the grade designation and the colour of the label shall be the colour of the bristles.

5. Method of marking.—(1) A grade designation mark label shall be securely affixed to each case in a manner approved by the Agricultural Marketing Adviser to the Government of India.

(2) In addition to the grade designation, the following particulars shall be clearly marked on the label:—

- (i) Serial number,
- (ii) Type of bristles, i.e. soft, stiff/semi-stiff or extra-stiff or cut bristles of any of these three types with either flag ends cut or root ends cut.
- (iii) Name of packing station;
- (iv) Date of marking ;

(v) Net weight ;

(vi) General, Special or select.

6. Method of Packing.—(1) (a) Bristles of the same grade designation shall be tied in bundles.

(b) A bundle (other than of shorts and rifling) shall not be more than 51 mm (2 inches) and not less than 38 mm (1 ½ inches) in diameter.

(2) The net contents of each case of bristles of all grade designations shall be 10 Kg. or more, in multiples of 2 Kg., subject to a maximum of 46 Kg.

(3) Bristles of different grade designations of 121 mm. (4 ¾ inches) or below shall be packed in separate cases.

(4) Bristles of different grade designations of over 121 mm. (4 ¾ inches) may be packed in one case;

Provided that,

(a) the quantity of bristles of a particular grade designation shall be in multiples of 2 Kg, and

(b) bristles of each grade designation shall be packed in distinct layers.

(5) If black and grey bristles are packed in the same case, the quantity of bristles of each of these two colours shall be in multiples of 2 Kg. and these shall be packed in distinct layers.

(6) (a) The container for packing shall be a wooden case, which shall be clean and dry,

(b) Tin or aluminum cases may be used for packing bristles for transit by air freight.

(7) The wooden cases and other containers shall be lined with water-proof paper and shall contain sufficient quantity of insecticide such as D.D.T. or naphthalene balls.

(8) Each case shall be securely strapped and sealed.

EXPLANATION—In this rule the expression “net contents” shall mean “the weight of the bristles without any wrapping or other additions other than ties of cotton, hemp or other material”.

SCHEDULE I

(See Rules 2 and 3)

Grade designations and definition of quality of bristles known commercially as *Extra Stiff Bristles produced in India.

(Grade designation)	Special characteristics		General Characteristics
	Co lour**	Length @	
(1)	(2)	(3)	(4)
159 mm and over	(6½" and over	White	159 mm and over
152 mm.	(6")	"	152 mm
146 mm.	(5¾")	"	146 mm
140 mm	(5½")	"	140 mm
133 mm	(5¼")	"	133 mm
127 mm.	(5")	"	127 mm
121 mm.	(4¾")	"	121 mm
114 mm.	(4½")	"	114 mm
108 mm.	(4¼")	"	108 mm
102 mm.	(4")	"	102 mm
95 mm	(3¾")	"	95 mm
89 mm.	(3½")	"	89 mm
83 mm	(3¼")	"	83 mm
76 mm	(3")	"	76 mm
70 mm	(2¾")	"	70 mm
64 mm.	(2½")	"	64 mm
57 mm.	(2¼")	"	57 mm
51 mm.	(2")	"	51 mm
44 mm.	(1¾")	"	44 mm
Shorts			Less than 44 mm
	and (less than 1¾")		

Rifling

(less than 44 mm)

* Extra Stiff bristles are such bristles as are obtained from pigs but not from wild pigs and are thicker and stiffer than stiff/semi bristles.

** The following co lour tolerances shall be allowed :-

- (a) In grades 114 mm. and over, non-whites shall not exceed 3 per cent,
 - (b) In grade 108 mm. to 44 mm. non-whites shall not exceed 6¼ per cent.
 - (c) In shorts and rifling, non-whites shall not exceed 12½ Per cent.
- @ All bristles shall have root-ends and flag-ends pointing in opposite directions and shall be "solid dressed" which term shall mean such dressing as to contain :—
- (i) a minimum of 85 percent of the specified grade designation length (called "tops"), the balance being made up of the next two lower grade lengths and unavoidable, the maximum tolerance for the latter being 5 percent in the case, of grade designations 102 mm and over;
 - (ii) a minimum of 75 percent of the specified grade designation length (called "tops"), the balance being made up of the next two lower grade lengths and unavoidable, the maximum tolerance for the latter being 8 per cent in the case of grade designations 95 mm to 64 mm;
 - (iii) for grades 57 mm. and 51 mm. a minimum of 75 percent of bristles of the specified grade designation length (called "tops"), the balance being made up of the next lower grade lengths and unavoidable; and
 - (iv) for grade 44 mm. a minimum of 65 per cent of bristles of the specified grade designation length (called "tops"), the balance being made up of the next lower grade lengths and unavoidable; and
 - (v) The following tolerance limits in respect of types shall be permitted:

Grade designation	Maximum percentage of Bristles of the next lower type according to the stiffness to be tolerated.
114 mm (4½") and above	35
83 mm (3¼") and up to and including 108 mm (4¼")	40
44 mm (1¾") and up to and including 76 mm (3")	45

SCHEDULE II

(See Rules 2 and 3)

Grade designations and definition of quality of bristles known commercially as *Extra Stiff Bristles produced in India.

(Grade designation)	Special characteristics		General Characteristics
	Co lour**	Length @	
(1)	(2)	(3)	(4)
159 mm and over	(6¼" and over)	Black	159 mm and over
152 mm.	(6")	"	152 mm
146 mm.	(5¾")	"	146 mm
140 mm	(5½")	"	140 mm
133 mm	(5¼")	"	133 mm
127 mm.	(5")	"	127 mm
121 mm.	(4¾")	"	121 mm
114 mm.	(4½")	"	114 mm
108 mm.	(4¼")	"	108 mm
102 mm.	(4")	"	102 mm
95 mm	(3¾")	"	95 mm
89 mm.	(3½")	"	89 mm
83 mm	(3¼")	"	83 mm
76 mm	(3")	"	76 mm
70 mm	(2¾")	"	70 mm
64 mm.	(2½")	"	64 mm
57 mm.	(2¼")	"	57 mm
51 mm.	(2")	"	51 mm
44 mm.	(1¾")	"	44 mm
Shorts and Rifling (less than 1¾")	"		Less than 44mm
(Less than 44 mm)			

* Extra Stiff bristles are such bristles as are obtained from pigs but not from wild pigs and are thicker and stiffer than stiff/semi stiff bristles.

** The following co lour tolerances shall be allowed:-

- (a) In grades 114 mm. and over, non-blacks shall not exceed 3 per cent,
- (b) In grade 108 mm. to 44 mm. non-blacks shall not exceed 6¼ per cent.
- (c) In shorts and rifling, non-blacks shall not exceed 12½ Per cent.

@All bristles shall have root-ends and flag-ends pointing in opposite directions and shall be "solid dressed" which term shall mean such dressing as to contain:—

- (i) Minimum of 85 percent of the specified grade designation length (called "tops"), the balance being made up of the next two lower grade lengths and unavoidable, the maximum tolerance for the latter being 5 percent in the case, of grade designations 102 mm and over;
- (ii) a minimum of 75 percent of the specified grade designation length (called "tops"), the balance being made up of the next two lower grade lengths and unavoidable, the maximum tolerance for the latter being 8 per cent in the case of grade designations 95 mm to 64 mm;
- (iii) for grades 57 mm. and 51 mm. a minimum of 75 percent of bristles of the specified grade designation length (called "tops"), the balance being made up of the next lower grade lengths and unavoidable;
- (iv) for grade 44 mm. a minimum of 65 per cent of bristles of the specified grade designation length (called "tops"), the balance being made up of the next lower grade lengths and unavoidable;
- (v) The following tolerance limits in respect, of types shall be permitted :

Grade designation	Maximum percentage of Bristles of the next lower type according to the stiffness to be tolerated.
114 mm (4½") and above	35
83 nun (3¼") and up to and including 108 mm (4¼")	40
44 mm (1¾") and up to and including 76 mm (3")	45

SCHEDULE III
(See Rules 2 and 3)

Grade designation and definition of quality of bristles known commercially as *Extra Stiff Bristles produced in India

Grade designation	Special characteristics		General Characteristics
	Co lour**Length @		
(1)	(2)	(3)	(4)
159mm. and over (6¼" and over)	Grey	159mm and over	The bristles shall be natural product obtained from pigs, and shall be thoroughly washed clean and dry in their natural co lour with root-ends @ intact and free from damage or reclaimed bristles obtained from brushed as well as from all foreign matter such as dust, dirt or ox or horse tail hair or vegetable fibers or artificial fibers.
152 mm.	(6") "	152 mm.	
146 mm.	" "	146 mm.	
140 mm.	(5½") "	140 mm.	
133 mm.	(5¼") "	133 mm.	
127 mm.	(5") "	127 mm.	
121 mm.	(4¾") "	121 mm.	
114 mm.	(4½") "	114 mm.	
108 mm.	(4¼") "	108 mm.	
102 mm.	(4") "	102 mm.	
95 mm.	(3¾") "	95 mm.	
89 mm.	(3½") "	89 mm.	
83 mm.	(3¼") "	83 mm.	
76 mm.	(3") "	76 mm.	
70 mm.	(2¾") "	70 mm.	
64 mm.	(2½") "	64 mm.	
57 mm.	(2¼") "	57 mm.	
51 mm.	(2") "	51 mm.	
44 mm.	(1¾") "	44 mm.	
Shorts and Rifling (Less than 44 mm.)	(Less than 1¾")	Less than 44 mm	

- * Extra Stiff Bristles are such bristles are as obtained from pigs, but not from wild pigs and are thicker and stiffer than Stiff/Semi-stiff bristles.
- ** All bristles which do not consist wholly of black or white bristles respectively shall be classed as "Grey". The group may also contain bristles of co lour other than black and white.
- @ All bristles shall have root-end and flag-end pointing in opposite directions and shall be "Solid dressed" which terms shall mean such dressing as to contain :-
 - (i) a minimum of 85 per cent of the specified grade designation length (called "tops"), the balance being made up of the next two lower grade lengths and unavoidable, the maximum tolerance for the latter being 5 per cent in the case of grade designations 102 mm. and over ;
 - (ii) a minimum of 75 percent of the specified grade designation length (called 'tops'), the balance being made up of the next two lower grade lengths and unavoidable, the maximum tolerance for the latter being 8 per cent in the case grade designation 95 mm to 64 mm.;
 - (iii) for grades 57 mm and 51 mm. a minimum of 75 per cent of bristles of the specified grade designations length (called "tops"), the balance being made up of the next lower grade length and unavoidable;
 - (iv) for grade 44 mm. a minimum of 65 per cent of bristles of the specified grade designation length (call "tops"), the balance being made up of the next lower grade lengths and unavoidable; and
 - (v) The following tolerance limits in respect of types shall be permitted :

Grade designation	Maximum percentage of Bristles of the next tower type according or stiffness to be tolerated
114 mm. (4½") and above	35
83 mm. (3¼") and up to and including 108 mm. (4¼")	40
44 mm. (1¾") and up to and including 76 mm. (3")	45

SCHEDULE IV

(See Rules 2 and 3)

Grade designations and definitions of quality of bristles known commercially as *Stiff/semi-Stiff bristles produced in India

Grade designation	Special characteristics		Length @	General Characteristics
	Co lour**			
(1)	(2)	(3)	(4)	
159 mm. and over (6¼ and over)	white	159 mm. and over	The bristles shall be the natural product obtained from pigs, and shall be thoroughly washed, clean and dry in their natural co lour with root-ends@ intact and free from damaged or reclaimed bristles obtained from brushed as well from all foreign matter such as dust dirt or ox or horse tail hair or vegetable fibers or artificial fibers.	
152 mm. . . (6")	"	152 mm.		
146mm. . . (5¾")	"	146 mm.		
140 mm. . . (5½")	"	140 mm.		
133 mm. . . (5¼")	"	133 mm.		
127 mm. . . (5")	"	127 mm.		
121 mm. . . (4¾")	"	121 mm.		
114 mm. . . (4½")	"	114 mm.		
108 mm. . . (4¼")	"	108 mm.		
102 mm. . . (4")	"	102 mm.		
95 mm. . . (3¾")	"	95 mm.		
89 mm. . . (3½")	"	89 mm.		
83 mm. . . (3¼")	"	83 mm.		
76 mm. . . (3")	"	76 mm.		
70 mm. . . (2¾")	"	70 mm.		
64 mm. . . (2½")	"	64 mm.		
57 mm. . . (2¼")	"	57 mm.		
51 mm. . . (2")	"	51 mm.		
44 mm. . . (1¾")	"	44 mm.		
Short and Rifling (Less than 1¾")		Less than 44 mm		
(Less than 44 mm)				

* Stiff/Semi-Stiff bristles are such bristles as are not soft or extra stiff.

** The following co lour tolerances shall be allowed :-

- (a) In grades 114 mm. and over, non-whites shall not exceed 3 per cent.
- (b) In grades 108 mm. to 44 mm., non-whites shall not exceed 6¼" per cent.
- (c) In Shorts and Rifling non-white shall not exceed 12½" per cent.

@ All bristles shall have root-ends and flag-ends pointing in opposite directions and shall be "solid dressed" which terms shall mean such dressing as to contain :-

- (i) a minimum of 85 per cent of the specified grade designation length (called "tops") the balance being made up to the next two lower grade lengths and unavoidable, the maximum tolerance for latter being 5 per cent in the case of grade designations 102 mm. and over;
- (ii) a minimum of 75 per cent of the specified grade designation length (called "tops"), the balance being made up of the next two lower grade lengths and unavoidable, the maximum tolerance for the latter being 8 per cent in the case of the grade designations 95 mm. to 64mm;
- (iii) for grades 57 mm and 51 mm. a minimum of 75 per cent of bristles of the specified grade designation length (called "tops"), the balance being made up of the next lower grade lengths and unavoidable;
- (iv) for grade 44 mm. a minimum of 65 per cent of bristles of the specified grade designation length (called "tops"), balance being made up of the next lower grade lengths and unavoidable; and
- (v) The following tolerance limits in respect of types shall be permitted:

Grade designation	Maximum percentage of Bristles of the next lower type according to stiffness to be tolerated
114 mm (4½") and above	35
83 mm. (3¼") and up to and including 108 mm. (4¼")	40
44 mm (1¾") and up to and including 76 mm. (3")	45

SCHEDULE V
(See Rules 2 and 3)

Grade designations and definition of quality of bristles known commercially as *Stiff/Semi-Stiff bristles produced in India

Grade designation	Special characteristics		Length @	General Characteristics
	Co lour**			
(1)	(2)		(3)	(4)
159 mm. and over	(6¼" and over)	Black	159 mm. and over	The bristles shall be the natural product obtained from pigs, and shall be thoroughly washed, clean and dry in their natural co lour with root-ends@ intact and free from damaged or reclaimed bristles obtained from brushes as well as from all foreign matter such as dust, dirt, or ox or horse tail hair or vegetable fibers or artificial fibers.
152 mm.	(6")	"	152 mm.	
146mm.	(5¾")	"	146 mm.	
140 mm.	(5½")	"	140 mm.	
133 mm.	(5¼")	"	133 mm.	
127 mm.	(5")	"	127 mm.	
121 mm.	(4¾")	"	121 mm.	
114 mm.	(4½")	"	114 mm.	
108 mm.	(4¼")	"	108 mm.	
102 mm.	(4")	"	102 mm.	
95 mm.	(3¾")	"	95 mm.	
89 mm.	(3½")	"	89 mm.	
83 mm.	(3¼")	"	83 mm.	
76 mm.	(3")	"	76 mm.	
70 mm.	(2¾")	"	70 mm.	
64 mm.	(2½")	"	64 mm.	
57 mm.	(2¼")	"	57 mm.	
51 mm.	(2")	"	51 mm.	
44 mm.	(1¾")	"	44 mm.	
Short and Rifling (Less than 1¾") (Less than 44 mm)		"	Less than 44mm	

* Stiff/Semi-Stiff bristles are such bristles as are not soft or extra stiff.

** The following co lour tolerances shall be allowed :-

- (a) In grades 114 mm. and over, non-blacks shall not exceed 3 per cent.
- (b) In grades 108 mm. and to 44 mm., not-black shall not exceed 6¼ per cent
- (c) In shorts and Rifling, non-blacks shall not exceed 12½ per cent.

@ All bristles shall have root-ends flag-ends pointing in opposite directions and shall be "solid dressed" which term shall mean such dressing as to contain-

- (i) a minimum of 85 per cent of the specified grade designation length called "tops", the balance being made up of the next two lower grade lengths and unavoidable, the maximum tolerance of the latter being 5 per cent the case of grade designation 102 mm. and over;
- (ii) a minimum of 75 percent of the specified grade designation length (called "tops"), the balance being made up of the next two lower grade lengths and unavoidable, the maximum tolerance of the latter being 8 per cent the case of grade designation 95mm. to 64mm;
- (iii) for grade 57 mm and 51 mm. a minimum of 75 per cent of bristles of the specified grade designation length (called" tops"), the balance being made up of the next lower grade lengths and unavoidable;
- (iv) for grade 44 mm. a minimum of 65 per cent of bristles of the specified grade designation length (called "tops"), the balance being made up of the next lower grade lengths and unavoidable; and
- (v) The following tolerance limits in respect of types shall be permitted :

Grade designation	Maximum percentage of Bristles of the next lower types according to stiffness to be tolerated
114 mm. (4½") and above	35
83 mm. (3¼") and up to and including 108 mm. (4¼")	40
44 mm. (1¾") and up to and including 76 mm. (3")	45

SCHEDULE VI
(See Rules 2 and 3)

Grade designations and definition of quality of bristles known commercially as *Stiff/semi-Stiff bristles produced in India

Grade designation	Special characteristics		General characteristics
	Colour**	Length @	
(1)	(2)	(3)	(4)
159 mm. & over (6¼" and over)	Grey	159 mm. and over)	The bristles shall be the natural product obtained from pigs, and shall be thoroughly washed, clean and dry in their natural color with root-ends@ intact and free from damaged or reclaimed bristles obtained from brushes as well from all foreign matter such as dust, dirt, or ox or horse tail hair or vegetable fibers or artificial fibers.
152 mm. . . . (6")	"	152 mm.	
146mm. . . . (5¾")	"	146 mm.	
140 mm. . . . (5½")	"	140 mm	
133 mm. . . . (5¼")	"	133 mm .	
127 mm. . . . (5")	"	127 mm.	
121 mm. . . . (4¾")	"	121 mm.	
114 mm. . . . (4½")	"	114 mm.	
108 mm. . . . (4¼")	"	108 mm.	
102 mm. . . . (4")	"	102 mm.	
95 mm. . . . (3¾")	"	95 mm.	
89 mm. . . . (3½")	"	89 mm.	
83 mm. . . . (3¼")	"	83 mm.	
76 mm. . . . (3")	"	76 mm.	
70 mm. . . . (2¾")	"	70 mm.	
64 mm. . . . (2½")	"	64 mm.	
57 mm. . . . (2¼")	"	57 mm.	
51 mm. . . . (2")	"	51 mm.	
44 mm. . . . (1¾")	"	44 mm.	
Short and Rifling (Less than 1¾") (Less than 44 mm)	"	Less than 44 mm	

* Stiff/Semi-Stiff bristles are such bristles as are not soft or extra stiff,

** All bristles which do not consist wholly or black or white bristles respectively shall be classed as "Grey". The Group may also contain bristles or colors other than black and white.

@ All bristles shall have root-ends and flag-ends pointing in opposite directions and shall be "solid dressed" which term shall mean such dressing as to contain :-

- (i) a minimum of 85 per cent of the specified grade designation length (called "tops"), the balance being made up of the next two lower grade lengths and unavoidable, the maximum tolerance for the latter being 5 percent in the case of grade designation 102. mm. and over;
- (ii) a minimum of 75 percent of the specified grade designation lengths (called "tops"), the balance being made up of the next two lower grade lengths and unavoidable, the maximum tolerance for the latter being 8 per cent in the case of grade designations 95 mm to 64 mm.
- (iii) for grade 57 mm and 51 mm. a minimum of 75 per cent of bristles of the specified grade designation length (called "tops"), the balance being made up of the next lower grade lengths and unavoidable ;
- (iv) for grade 44 mm. a minimum of 65 per cent of bristles of the specified grade designation length (called "tops"), the balance being made up of the next lower grade lengths and unavoidable; and
- (v) The following tolerance limits in respect of types shall be permitted :

Grade designation	Maximum percentage of Bristles of the next lower type according to stiffness to be tolerated
114 mm. (4½") and above	35
83 mm. (3¼") and up to and including 108 mm. (4½")	40
44 mm. (1½") and up to and including 66 mm. (3")	45

SCHEDULE VII
(See Rules 2 and 3)

Grade designations and definition of quality of bristles known commercially as *Soft bristles produced in India

Grade designation	Special characteristics		General characteristics
	Co lour**	Length @	
(1)	(2)	(3)	(4)
159 mm. & over (6¼" and over)	Grey	159 mm	The bristles shall be the natural product obtained from pigs, and over and shall be thoroughly washed, clean and dry in their natural color with root-ends@ intact and free from damaged or reclaimed bristles obtained from brushes as well from all foreign matter such as dust, dirt, or ox or horse tail hair or vegetable fibers or artificial fibers.
152 mm. . . . (6")	"	152 mm.	
146mm. . . . (5¾")	"	146 mm.	
140 mm. . . . (5½")	"	140 mm.	
133 mm. . . . (5¼")	"	133 mm.	
127 mm. . . . (5")	"	127 mm.	
121 mm. . . . (4¾")	"	121 mm.	
114 mm. . . . (4½")	"	114 mm.	
108 mm. . . . (4¼")	"	108 mm.	
102 mm. . . . (4")	"	102 mm.	
95 mm. . . . (3¾")	"	95 mm.	
89 mm. . . . (3½")	"	89 mm.	
83 mm. . . . (3¼")	"	83 mm.	
76 mm. . . . (3")	"	76 mm.	
70 mm. . . . (2¾")	"	70 mm.	
64 mm. . . . (2½")	"	64 mm.	
57 mm. . . . (2¼")	"	57 mm.	
51 mm. . . . (2")	"	51 mm.	
44 mm. . . . (1¾")	"	44 mm.	
Short and Rifling (Less than 1¾") (Less than 44 mm)	"	Less than 44 mm	

* Soft bristles are such bristles as are soft, and thinner than stiff/semi-stiff bristles.

** The following color tolerances shall be allowed:-

- a) In grades 114 mm. and over, non whites shall not exceed 3 percent.
- b) In grade 108 mm. to 44mm. non whites shall not exceed 6¼ per cent.
- c) in shorts and Rifling, non-whites shall not exceed 12½ percent.

@ All bristles shall have root-ends and flag-ends pointing in opposite directions and shall be "solid dressed" which terms shall mean such dressing as to contain :-

- (i) a minimum of 85 per cent of the specified grade designation length (called "tops"), the balance being made up of the next two lower grade lengths and unavoidable, the maximum tolerance for the latter being 5 percent in the case of grade designation 102. mm. and over;
- (ii) a minimum of 75 percent of the specified grade designation lengths (called "tops"), the balance being made up of the next two lower grade lengths and unavoidable, the maximum tolerance for the letter being 8 percent in the case of grade designations 95 mm. to 64 mm.
- (iii) for grade 57 mm and 51 mm. a minimum of 75 per cent of bristles of the specified **grade designation length (called 'tops')**, the balance being made up of the next lower grade lengths and unavoidable; and
- (iv) for grade 44 mm. a minimum of 65 per cent of bristles of the specified grade designation length (called "tops"), the balance being made up of the next lower grade lengths and unavoidable.

SCHEDULE VIII

(See Rules 2 and 3)

Grade designations and definition of quality of bristles known commercially as *Stiff/semi-Stiff bristles produced in India

Grade designation	Special characteristics		General characteristics
	Co lour**	Length @	
(1)	(2)	(3)	(4)
159 mm. & over (6¼" and over)	Black	159 mm. and over	The bristles shall be the natural product obtained from pigs, and shall be thoroughly washed, clean and dry in their natural color with root-ends@ intact and free from damaged or reclaimed bristles obtained from brushes as well from all foreign matter such as dust, dirt, or ox or horse tail hair or vegetable fibers or artificial fibers.
152 mm. . . . (6")	"	152 mm.	
146mm. . . . (5¾")	"	146 mm.	
140 mm. . . . (5½")	"	140 mm.	
133 mm. . . . (5¼")	"	133 mm.	
127 mm. . . . (5")	"	127 mm.	
121 mm. . . . (4¾")	"	121 mm.	
114 mm. . . . (4½")	"	114 mm.	
108 mm. . . . (4¼")	"	108 mm.	
102 mm. . . . (4")	"	102 mm.	
95 mm. . . . (3¾")	"	95 mm.	
89 mm. . . . (3½")	"	89 mm.	
83 mm. . . . (3¼")	"	83 mm.	
76 mm. . . . (3")	"	76 mm.	
70 mm. . . . (2¾")	"	70 mm.	
64 mm. . . . (2½")	"	64 mm.	
57 mm. . . . (2¼")	"	57 mm.	
51 mm. . . . (2")	"	51 mm.	
44 mm. . . . (1¾")	"	44 mm.	
Short and Rifling (Less than 1¼" (Less than 44 mm)	"	Less than 44 mm	

* **Soft** bristles are such bristles as are soft, and thinner than stiff/semi-stiff bristles.

** The following co lour tolerances shall be allowed:-

A. In grades 114 mm. and over, non -blacks shall not exceed 3 percent.

B. In grade 108 mm. to 44mm, non-blacks shall not exceed 6¼ per cent.

© in shorts and Rifling, non-**blacks** shall not exceed 12½ percent.

C. All bristles shall have root-ends flag-ends pointing in opposite directions and shall be "solid dressed" which terms shall mean such dressing as to contain :-

(i) a minimum of 85 per cent of the specified grade designation length (called "tops"), the balance being made up of the next two lower grade lengths and unavoidable, the maximum tolerance for the latter being 5 per cent the case of grade designation 102. mm. and over;

(ii) a minimum of 75 percent of the specified grade designation length (called "tops"), the balance being made up of the next two lower grade lengths and unavoidable, the maximum tolerance for the latter being 8 per cent in the case of grade designations **95 mm. to 64mm**

(iii) for grade 57 mm and 51 mm. a minimum of 75 per cent of bristles of the specified grade designation length (called" tops"), the balance being made up of the next lower grade lengths and unavoidable : **and**

(iv) for grade 44 mm. a minimum of 65 per cent of bristles of the specified grade designation length (called "tops"), the balance being made up of the next lower grade lengths and unavoidable.

SCHEDULE IX

(See Rules 2 and 3)

Grade designations and definition of quality of bristles known commercially as *Stiff/semi-Stiff bristles produced in India

Grade designation	Special characteristics		General characteristics
	Co lour**	Length @	
(1)	(2)	(3)	(4)
159 mm.& over (6¼" and over)	Grey	159 mm. and over	The bristles shall be the natural product obtained from pigs, and shall be thoroughly washed, clean and dry in their natural color with root-ends@ intact and free from damaged or reclaimed bristles obtained from brushes as well from all foreign matter such as dust, dirt, or ox or horse tail hair or vegetable fibers or artificial fibers.
152 mm. . . . (6")	“	152 mm.	
146mm. . . . (5¾")	“	146 mm.	
140 mm. . . . (5½")	“	140 mm.	
133 mm. . . . (5¼")	“	133 mm.	
127 mm. . . . (5")	“	127 mm.	
121 mm. . . . (4¾")	“	121 mm.	
114 mm. . . . (4½")	“	114 mm.	
108 mm. . . . (4¼")	“	108 mm.	
102 mm. . . . (4")	“	102 mm.	
95 mm. . . . (3¾")	“	95 mm.	
89 mm. . . . (3½")	“	89 mm.	
83 mm. . . . (3¼")	“	83 mm.	
76 mm. . . . (3")	“	76 mm.	
70 mm. . . . (2¾")	“	70 mm.	
64 mm. . . . (2½")	“	64 mm.	
57 mm. . . . (2¼")	“	57 mm.	
51 mm. . . . (2")	“	51 mm.	
44 mm. . . . (1¾")	“	44 mm.	
Short and Rifling (Less than 1¾") (Less than 44 mm)	“	Less than 44mm	

* Soft bristles are such bristles as are soft, and thinner than stiff/semi-stiff bristles.

** All bristles which do not consist wholly of black or white bristles respectively shall be classed as “Grey” The group may also contain bristles of colors other than black and white.

@ All bristles shall have root-ends and flag-ends pointing in opposite directions and shall be “solid dressed” which term shall mean such dressing as to contain :-

- i) a minimum of 85 percent of the specified grade designation length (called “tops”), the balance being made up the next two lower grade lengths and unavoidable, the maximum tolerance for the latter being 5 percent in the case of grade designations 102 mm and over.
- ii) a minimum of 75 percent of the specified grade designation length (called “tops”), the balance being made up of the next two lower grade lengths and unavoidable, the maximum tolerance for the latter being 8 percent in the case of grade designation 95mm to 64 mm;
- (iii) for grades 57 mm and 51 mm. a minimum of 75 per cent of bristles of the specified grade designation length (called” tops”), the balance being made up of the next lower grade lengths and unavoidable; and
- (iv) for grade 44 mm. a minimum of 65 per cent of bristles of the specified grade designation length (called “tops”), the balance being made up of the next lower grade lengths and unavoidable.

SCHEDULE IX-A

(See Rules 2 and 3)

Grade designations and definition of quality of cut bristles

Grade designation	Special characteristics		General Characteristics
	Co lour**	Length@	
1	2	3	4
Length as specified in the firm order*	White	Extra stiff cut bristles with flag ends	1. Cut bristles with flag ends shall be obtained by cutting root ends of bristles conforming to any grade Designation from 57 mm and a above as prescribed in Schedules 1 to XI.
Lengths as specified in the firm order*	Do.	Extra stiff cut bristles wit root ends	
Lengths as specified in the firm order*	Do.	Stiff/Semi-stiff cut bristles with flag ends.	2. Cut bristles with root ends shall be obtained by cutting flag ends or bristles conforming to any grade designation from 57 mm and above as prescribed in Schedule I to IX.
Length as specified in the firm order*	Do.	Stiff/Semi-stiff cut bristles with root ends.	
Length as specified in the firm order*	Do.	Soft cut bristles with flag ends.	3. Cut bristles of each type shall be packed separately.
Length as specified in the firm order*	Do.	Soft cut bristles with root ends	
Length as specified in the firm order*	Black	Extra stiff cut bristles with flag ends.	4. The entire operation of cutting the bristles for obtaining the cut bristles shall be carried out under the supervision of an officer of the Directorate of Marketing and Inspections.
Lengths as specified in the firm order*	Do.	Extra stiff cut bristles with root ends.	
Length as specified in the firm order *	Do.	Stiff/Semi-stiff cut bristles with flag ends	5. Bundles of Bristles can have root/ flag ends and cut ends in opposite or same direction.
Lengths as specified in the firm order*	Do.	Stiff/semi-stiff cut bristles with root ends.	
Lengths as specified in the firm order*	Do.	Soft cut bristles with flag ends.	6. all cut bristles shall be solid dressed and shall have the same meaning as given in the foot note to Schedules I to IX except that length of the cut bristles near to any grade/designation length given in schedules I to IX shall be taken as specified grade designation length (called 'tops') for the purpose of ascertaining tolerance limits in lengths.
Lengths as specified in the firm order*	Do.	Soft cut bristles with root ends.	
Lengths as specified in the firm order*	Grey	Extra-stiff cut bristles with flag ends.	7. Color tolerance limits shall be the same as that prescribed for bristles from which cut bristles have been obtained."
Lengths as specified in the firm order*	Do.	Extra-stiff cut bristles with root ends.	
Lengths as specified in the firm order*	Do.	Stiff/Semi-stiff cut bristles with flag ends	
Lengths as specified in the firm order*	Do.	Stiff/Semi-stiff cut bristles with root ends	
Lengths as specified in the firm order*	Do.	Soft cut bristles with flag ends.	
Lengths as specified in the firm order*	Do.	Soft cut bristles with root ends.	

* Firm Order” means that the entire value of goods contracted for should have been obtained advance by opening cent-per-cent irrevocable letter of credit in India which is en cashable on the production of shipping bill supported by receipt of shipment or guaranteed in any other way.

SCHEDULE X
(See Rules 2(2) and (3))
Special Grades of Bristles

addition to the requirements specified for General Grades in Schedules I to IX, special Grades of bristles shall satisfy the following requirements, namely:-

- (1) Subject to the tolerance limits specified below, all bristles shall be free from nits (egg capsules left by hog lice), and-
 - (i) bundles of bristles shall not contain more than 8 infested hairs per bundle up to and inclusive of 95 mm (3¾") in length; and
 - (ii) bundle of bristles shall not contain more than 5 infested hairs per bundle exceeding 95 mm. (3¾") in length.
- (2) The following colour tolerance limits shall be allowed-
 - (i) in grade 114 mm. (4½") and over, non-whites (in the case of whites) and non-black (in the case of blacks) shall not exceed 1 per cent;
 - (ii) in grades 108 mm. to 44 mm., (4¼" to 1¾"), non-whites (in the case of whites) and non-blacks the case of blacks) shall not exceed 2 per cent; and
 - (iii) in Shorts and Rifling, non-whites) (in the case of white) and non-blacks (in the case of blacks) shall not exceed 3 per cent.
- (3) All bristles shall have root-ends and flag-ends pointing in opposite directions and shall be "solid dressed" which term shall mean such dressing as to contain-
 - (i) a minimum of 85 per cent of the specified grade designation length (called "tops), the balance being made up of the next two lower grade length and unavoidable, the maximum tolerance for the latter being 3 per cent in the case of grade designations 102 mm. and over (4" and over),
 - (ii) a minimum of 75 per cent of the specified grade designation length (called "tops"), the balance being made up to the next two lower grade lengths and unavoidable, the maximum tolerance for the latter being 5 per cent in the case of the grade designation 95 mm. and to 64 mm. (3¼" to 2 ½")
 - (iii) for grades 57 mm. and 51 mm. (2¼" and 2" a minimum of the 75 per cent of bristles of the specified grade designation length (called "tops"), the balance being made up the next lower grade lengths and unavoidable ; and
 - (iv) for grade 44 mm (1¾") a minimum of 65 percent of bristles of the specified grade designation length (called "Tops") the balance being made up of the next lower grade length and unavoidable.

SCHEDULE X-A
(See Rules 2(2) and (3))

In addition to the requirements specified for cut bristles in Schedule IX-A, Special grade cut bristles shall satisfy the following requirements namely

1. (i) Special Grade Cut Bristles with flag ends shall be obtained by cutting root ends of special Grades of Bristles of lengths 57 mm. and above conforming to requirements specified in Schedule X;
 - (ii) Special Grade Cut Bristles with root ends shall be obtained by cutting flag ends of Special Grades of Bristles of lengths 57 mm and above conforming to requirements specified in Schedule X
2. Colour tolerance limits shall be the same as that prescribed for bristles from which cut bristles have been obtained

SCHEDULE XI
(See Rules 2(2) (3))
Select Grades of Bristles

In addition to the requirements specified for general Grades in Schedules I to XI and for Special Grade in Schedule X, select Grades of Bristles shall be free from nits (egg capsules left by hog lice) and-

- (i) bundles of bristles shall not contain more than 16 infested hairs per bundle up to and inclusive of 95 mm (3¾) in length; and
- (ii) bundles of bristles shall not contain more than 10 infested hairs per bundle exceeding 95 mm. (3¾) in length.

SCHEDULE XI-A
(See Rules 2(2) and (3))
Select Grade Cut bristles

In addition to the requirement specified for Special grade Cut Bristles in Schedule X-A select grade designation cut bristles shall be free from nits egg capsules left by hog lice) and bundles of cut bristles shall not contain more than 10 infested hairs per bundle and shall be those obtained only from select Grades of bristles.

SCHEDULE XII
(see Rule 4)
Grade Designation Marks for bristles
Map of India



Note:

- (1) Principal rules were published in the Gazette of India Part II, Section-3, sub-Section (ii) dated 16-8-1960 vide S. O. No. 3245, dated 5-8-1969.
- (2) First amendment to these rules was published in the Gazette of India, Part II, Section 3, sub-section (ii) dated 15-12-1973 vide S.O. No. 3484, dated 30-7-1973.
- (3) Second amendment published in the Gazette Part II, Section 3 (ii) dated 7-4-1984 under S.O. 1158 dated. 24-3-1984
- (4) Third amendment published vide G.S.R. 215 dated 20th April, 1996 appeared on pages 961-962 in the Gazette of India, Part II, Section 3, Sub Section (i) dated 18-5-1996.