

RICE GRADING AND MARKING RULES

1. Short Title and Application -

- (1) These Rules may be called the Rice Grading and Marking Rules, 1939
- (2) They shall apply to rice of specified varieties grown in India as set out in the annexed Schedules.

2. Grade designations -

Grade designations to indicate the quality of rice of specified varieties grown in India are set out in the first column of the relevant Schedules.

3. Definition of Quality -

- (1) The rice of all varieties specified in the Schedules annexed to these rules shall consist of well hulled rice in good condition, cleaned (sifted), free from paddy, and reasonably dry (moisture content not exceeding 13 percent).
- (2) The special characteristics of quality indicated by the grade designations are set out in columns 2 to 12 of the relevant Schedule.
- (3) The general characteristics of the quality of the rice of each specified variety are set out in column 13 of the relevant Schedule.

4. Grade designation Marks -

The grade designation mark shall consist of a label bearing a design (consisting of an outline map of India in conjunction with the word AGMARK) resembling that set out in Schedule I, specifying the grade designation and of the following colour :-

Grade designation	Colour of label
Special	White
A	Red
B	Blue

5. Method of marking.-

The grade designation mark label shall be securely attached to each container. In addition to the grade designation mark the following particulars shall also be clearly marked on the label :-

- a. Year of harvest,
- b. Net weight,

c. Name of packer,

d. Date of packing.

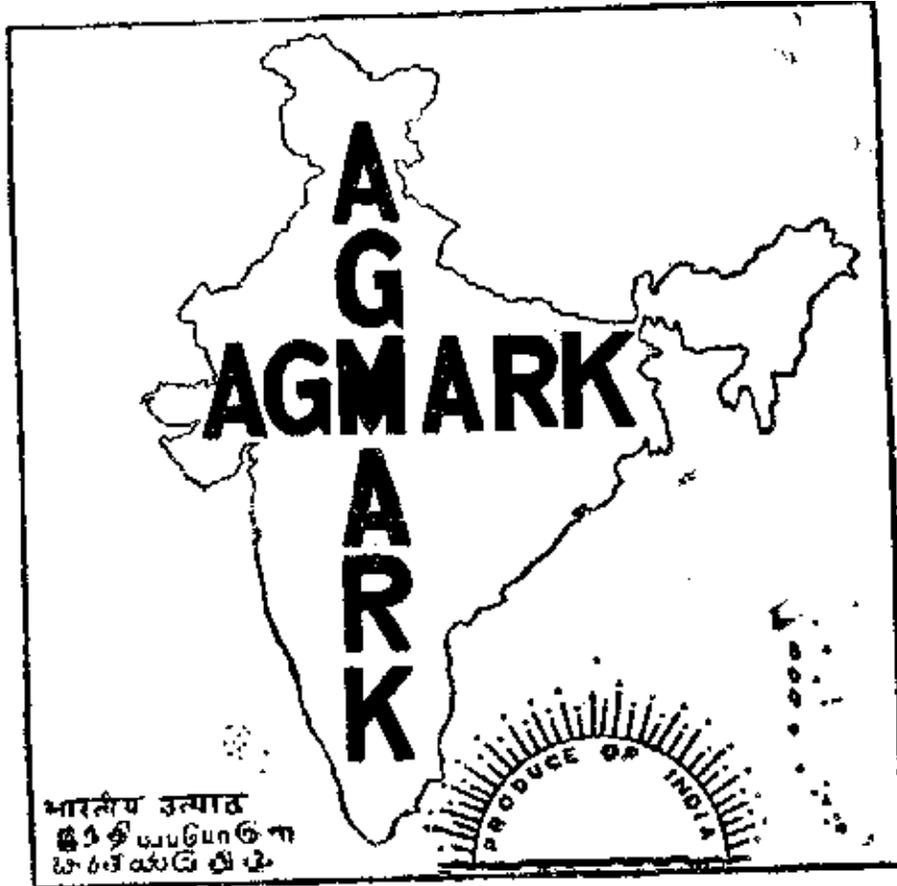
6. Method of packing.—

- (1) The rice shall be packed in containers made of jute, cotton or paper which are clean, dry and in good sound condition. Containers which have been previously used for commodities likely to cause damage or import any obnoxious flavour odour, or other undesirable characteristics to the rice shall not be employed.
- (2) Each container shall contain only goods of the crop year specified and of one grade designation only.

SCHEDULE - I

(see rule 4)

Grade designation mark for rice



SCHEDULE-II

Grade designations and definition of quality of the variety of raw milled rice known commercially as Dehra Dun Basmati rice grown in the Dehra Dun Tahsil in the United Provinces
(see rules 2 and 3)

Special Characteristics												
Grade designation	Maximum Limits of tolerance								Size of grain		General characteristics	
	Foreign matter other than rice	Broken grains	Fragments	Other rices including red grains	Damaged or discoloured grains	Weevilled grains	Chalky grains	Total	1,000 kernel weight	Length		Breadth
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Per cent	Per cent	Per cent	Per cent	Percent	Percent	Percent	Percent	Grammes	Millimetres	Millimetres	
Special	Slight trace	3.0	Nil	1.0	0.25	Reasonably free having regard to the age of the rice	Nil	4.5	..	Shall not contain more than 2 percent of whole grains whose length is less than 6.40 mm	..	1. The grains shall be long slender of white creamy or greyish colour and translucent (not chalky).
A	0.25	7.0	Nil	2.0	0.50	Do.	Nil	10	..	Shall not contain more than 7 per cent of whole grains whose length is less than 6.40 mm.	..	2. The rice - (a) Shall possess in a marked degree the natural fragrance characteristic of Basmati rice both in the raw and cooked state, (b) Shall not have been artificially coloured and shall be free from polishing agents, (c) may contain upto 10 per cent of grains with an appreciable amount of bran thereon.
B	0.25	12.0	Nil	4.0	0.75	Do	Nil	18	..	Shall not contain more than 15% of whole grains whose length is less than 6.40 mm.	..	

Basis of quantitative determinations - All determinations and percentage shall be reckoned on the basis of the total weight of a representative sample.

Broken grains - Broken grains shall include pieces of kernel which are less than three-fourth of a whole kernel

Fragments - The Fragments shall include pieces of kernel smaller than one-fourth of the whole kernel.

Other rices - The tolerances specified in column 11 shall include rice of other varieties.

Chalky grains - A Chalky grains shall be a grain of rice one-half or more of which is chalky.

For accidental errors a margin of ½, 1 and 1½ per cent may be permitted in excess of the tolerance specified in column 3 for Special, A and B grades respectively, and a margin of 0.25 per cent may be permitted in excess of the specified tolerances in each of the columns 2,4,5,6 and 8 in respect of A and B grades only, provided that in every case the total is not in excess of the total refraction specified in column 9.

Foot note: - (i) In compliance to Ministry of Health and Family Welfare notification No.GSR165(E) dated 7th March, 2001 amending the prevention of Food Adulteration Rules, 1955, the limit of foreign matter (extraneous matter) has been prescribed not more than 1 per cent by weight of which not more than 0.25 percent by weight shall be mineral matter and not more than 0.10 percent by weight shall be impurities of animal origin. The limit of rodent hair and excreta has been deleted.

(ii) It shall also Comply with the restrictions in regard to poisonous metals (rule-57), crop contaminants (rule 57-A) naturally occurring toxic substances (rule 57-B), use of insecticides (rule-65), and other provisions prescribed under the Prevention of Food Adulteration Rules, 1955, as amended from time to time.

SCHEDULE-III

Grade designations and definition of quality of the variety of parboiled milled rice known commercially as Saharanpur Basmati Sela rice derived from Basmati paddy grown in the Saharanpur district of the United Provinces
(See Rules 2 and 3)

Special Characteristics

Grade designation	Maximum limits of tolerance								Size of grain			General characteristics
	Foreign matter other than rice	Broken grains	Fragments	Other rices including red grains	Damaged or discoloured grains	Weevilled grains	Chalky grains	Total	1,000 kernel weight	Length	Breadth	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Per cent	Per cent	Per cent	Per cent	Percent	Percent	Percent	Percent	Grammes	Millimetres	Millimetres	
Special	Slight trace only	0.5	Nil	3.0	0.25	Nil	1.0	5	Not less than 14.0	Not less than 6.50	..	1. The grains shall be long slender of white colour and highly translucent and may contain abdominal white (locally known as til) in commercially acceptable proportions.
A	Slight Trace only	0.75	Nil	7.0	0.35	Nil	1.5	10	Not less than 13.5	Not less than 6.30
B	Slight trace only	2.0	0.25	10.00	0.75	Nil	2.5	16.00	Not less than 13.5	Not less than 6.30	..	2. The rice - (a) Shall be free from musty or obnoxious odour and shall carry no signs of mould or contain webs. (b) Shall not have been artificially coloured and shall be free from polishing agents other than a slight trace of maida (wheat flour). (c) Shall not contain more than 1 percent of grain with an appreciable amount of bran thereon.

Basis of quantitative determination - All determinations and percentage shall be reckoned on the basis of the total weight of a representative sample.

Broken grains - Broken grains shall include pieces of kernel which are less than three-fourth of a whole kernel.

Fragments - Fragments shall include pieces of kernel smaller than one-fourth of the whole kernel.

Chalky grains - A chalky grains shall be a grain of rice one-half or more of which is chalky.

Size of grains - The tolerances, specified in column 11 shall be based upon the average of the length of 20 whole kernels (including rices of other varieties)

For accidental errors, the following tolerances may be permitted in excess of the tolerances specified in columns 3,4,5,6 and 8 provided that in every case the total refraction does not exceed the proportion specified in column 9:-

- (i) A tolerance of 0.25% in column 3 in respect of Special and A grades and a tolerance of 0.50% in respect of B grade.
- (ii) A tolerance of 0.05% in column 4 in respect of B grade only.
- (iii) A tolerance of 0.50% in column 5 in respect of Special and A grades and a tolerance of 1.00% in respect of B grade.
- (iv) A tolerance of 0.10% in column 6 in respect of Special and A grades and a tolerance of 0.20% in respect of B grade.
- (v) A tolerance of 0.50% in column 8 in respect of Special A and B grades.

Foot note: - As mentioned on page 15.

SCHEDULE-IV

Grade designations and definition of quality of the variety of raw and pounded rice known commercially as Nellore rice or Molakolukulu grown in the Nellore district of the Madras Presidency
(See Rules 2 and 3)

Special Characteristics

Grade designation	Maximum Limits of tolerance								Size of grain		General characteristics	
	Foreign matter other than rice	Broken grains	Fragments	Other rices including red grains	Damaged or discoloured grains	Weevilled grains	Chalky grains	Total	1,000 kernel weight	Length		Breadth
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Per cent	Per cent	Per cent	Per cent	Percent	Percent	Percent	Percent	Grammes	Millimetres	Millimetres	
A	1.0	15.0	1.5	1.5	1.0	Reasonably free	4	25	Within the limits of 15.5 and 16.0	Within the limits of 5.2 and 5.3	Within the limits of 2.3 and 2.4	1. The grains shall be reasonably uniform, in size, of white creamy or greyish colour. 2. The rice- (a) shall have been hand pounded and shall not have been milled or processed in any way by means of power driven machinery, (b) shall be free from musty, sour or other obnoxious odour and shall carry no sign of mould or contain webs. (c) shall not have been artificially coloured.

Basis of quantitative determinations - All determinations and percentages shall be reckoned on the basis of the total weight of a representative sample.

Broken grains - Broken grains shall include pieces of kernel which are less than three-fourth of a whole kernel.

Fragments - Fragments shall include pieces of kernel smaller than one-fourth of the whole kernel.

Chalky grains - A chalky grains shall be a grain of rice one-half or more of which is chalky.

For accidental errors, a tolerance is permissible up to 1½ percent in excess of the tolerance specified in column 3 and a tolerance upto 0.25 percent in excess of the specified tolerance each of the columns 2,4,5,6,7 and 8, provided the total is not in excess of the total refraction specified in column 9.

Foot note: - As mentioned on page 15.

SCHEDULE-V

Grade designations and definition of quality of the variety of raw milled rice (War quality) known commercially as Kothamali Samba or White Sirumali grown in the Tanjore and South Arcot Districts of the Madras Presidency

Special Characteristics

Grade designation	Maximum Limits of tolerance								Size of grain			General characteristics
	Foreign matter other than rice	Broken grains	Frag-ments	Other varieties including red grains	Damaged or discoloured grains	Weevilled grains	Chalky grains	Total	1,000 kernel weight	Length	Breadth	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Per cent	Per cent	Per cent	Per cent	Percent	Percent	Percent	Percent	Grammes	Millimetres	Millimetres	
Special	Trace	10.0	1.0	2.0	1.0	Reasonably free having regard to the age of rice	2.0	16.0	11.50 to 12.50	3.7 to 4.3	2.3 to 2.8	1. The grains shall be reasonably uniform in size and colour with a fair proportion of belly whites present.
A	0.25	15.0	2.0	3.5	3.0	Do	3.0	25.75	11.50 to 12.50	3.7 to 4.3	2.3 to 2.8	2. The rice - (a) shall be prepared as per milling restrictions prescribed by Madras Govt. in G.O. No. 242-Devt. dated 5th March 1943. (b) shall be free from musty or obnoxious odour and shall carry no sign of mould or contain webs, (c) shall not have been artificially coloured and shall be free from polishing agents.

Basis of quantitative determinations - All determinations and percentage shall be reckoned on the basis of the total weight of a representative sample.

Foreign matter - Loose husk and unhusked grains (paddy) will be treated as foreign matter.

Broken grains - Broken grains shall include pieces of kernel which are less than three-fourth of a whole kernel.

Fragments - Fragments shall include pieces of kernel smaller than one-fourth of the whole kernel.

Chalky grains - A chalky grains shall be a grain of rice one-half or more of which is chalky.

Size of grain - The tolerance specified in columns 11 and 12 shall be based upon the average length and breadth of 20 whole kernels taken at random.

or accidental errors, a tolerance is permissible up to 1 and 1½ percent in excess of the tolerance specified in column 3 for special and A grades respectively, and a tolerance upto 0.5 percent in excess of the specified tolerance in each of the column 2,4,5,6,7 and 8 uniformly for the two grades provided the total is not in excess of the total refraction specified in column 9.

Foot note: - As mentioned on page 15.

SCHEDULE-VI

Grade designations and definition of quality of the variety of raw milled rice (war quality) known commercially as Kasipichodi or Bangaruthotga grown in the West Godavari district of the Madras Presidency

Special Characteristics

Grade designation	Maximum Limits of tolerance								Size of grain			General characteristics
	Foreign matter other than rice	Broken grains	Fragments	Other varieties including red grains	Damaged or discoloured grains	Weevilled grains	Chalky grains	Total	1,000 kernel weight	Length	Breadth	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Per cent	Per cent	Per cent	Per cent	Percent	Percent	Percent	Percent	Grammes	Millimetres	Millimetres	
Special	Trace	4.0	2.0	3.0	Trace	Reasonably free having regard to the age of rice	Chalky	9.5	9.7 to 10.00	5.5 to 6.0	1.5 to 1.6	1. The grains shall be reasonably uniform in size and may be chalky or opaque.
A	0.5	6.0	3.0	6.5	Do	Do	Chalky	15.5	9.7 to 10.00	5.5 to 6.0	1.5 to 1.6	2. The rice - (a) shall receive one polish as per milling restrictions prescribed by Madras Govt. in G.O. No. 242 Devt., dt. 5th March 1943, (b) shall be reasonably free from paddy, (c) shall be free from musty or other obnoxious odour and shall carry no signs of mould or contain webs, (d) shall not have been artificially coloured and shall be free from polishing agents.

Basis of quantitative determinations - All determinations and percentage shall be reckoned on the basis of the total weight of a representative sample.

Foreign matter - Loose husk and unhusked grains (paddy) will be treated as foreign matter.

Broken grains - Broken grains shall include pieces of kernel which are less than three-fourth of a whole kernel

Fragments - Fragments shall include pieces of kernel smaller than one-fourth of the whole kernel.

Chalky grains - A chalky grains shall be a grain of rice one-half or more of which is chalky.

Size of grain - The tolerance specified in columns 11 and 12 shall be based upon the average length and breadth of 20 whole kernels taken at random or accidental errors, a tolerance is permissible upto 1 and 1½ percent in excess of the tolerances specified in column 3 for Special and A grades respectively, and a tolerance upto 0.25 percent in excess of the specified tolerance in each of the column 2,4,5,6,7 and 8 uniformly for the two grades provided the total is not in excess of the total refraction specified in column 9.

Foot note:- As mentioned on page 15.

SCHEDULE-VII

Grade designations and definition of quality of the variety of parboiled milled rice (War quality) known commercially as Sirumani or Red Sirumani grown in the Tanjore and South Arcot Districts of the Madras Presidency

Special Characteristics

Grade designation	Maximum Limits of tolerance								Size of grain		General characteristics	
	Foreign matter other than rice	Broken grains	Fragments	Other varieties including red grains	Damaged or discoloured grains	Weevilled grains	Chalky grains	Total	1,000 kernel weight	Length		Breadth
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Per cent	Per cent	Per cent	Per cent	Percent	Percent	Percent	Percent	Grammes	Millimetres	Millimetres	
Special	Slight trace only	3.0	Nil	1.0	0.25	Reasonably free having regard to the age of rice	Nil	4.5	15.0 to 15.5	4.2 to 4.5	2.4 to 2.7	1. The grains shall be small round reasonably uniform in size, of white or greyish colour and translucent (not chalky)
A	0.25	5.0	1.0	2.0	1.0	Do	Nil	9.25	15.0 to 15.5	4.2 to 4.5	2.4 to 2.7	2. The rice - (a) shall receive one polish as per milling restrictions prescribed by Madras Govt. in G.O. No. 242 Devt., dt. 5th March 1943, (b) shall be reasonably free from paddy, (c) shall be free from musty, sour or other obnoxious odour, and shall carry no signs of mould or contain webs, (d) shall not have been artificialy coloured and shall be free from polishing agents.

Basis of quantitative determinations - All determinations and percentages shall be reckoned on the basis of the total weight of a representative sample.

Foreign matter - Loose husk and unhusked grains (paddy) will be treated as foreign matter.

Broken grains - Broken grains shall include pieces of kernel which are less than three-fourth of a whole kernel

Fragments - Fragments shall include pieces of kernel smaller than one-fourth of the whole kernel.

Chalky grains - A chalky grains shall be a grain of rice one-half or more of which is chalky.

Size of grain - The tolerance specified in columns 11 and 12 shall be based upon the average length and breadth of 20 whole kernels taken at random

For accidental errors, a tolerance is permissible upto 1 and 1½ percent in excess of the tolerance specified in column 3 for special and A grades respectively, and a tolerance upto 0.25 percent in excess of the specified tolerance in each of the column 2,4,5,6,7 and 8 uniformly for the two grades provided the total is not in excess of the total refraction specified in column 9.

Foot note: - As mentioned on page 15.

SCHEDULE-VIII

Grade designations and definition of quality of the variety of raw milled rice (war quality) known commercially as Nellore or Mola Golukulu rice grown in the Nellore District of the Madras Presidency

Special Characteristics

Grade designation	Maximum Limits of tolerance								Size of grain			General characteristics
	Foreign matter other than rice	Broken grains	Frag-ments	Other varieties including red grains	Damaged or discoloured grains	Weevilled grains	Chalky grains	Total	1,000 kernel weight	Length	Breadth	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Per cent	Per cent	Per cent	Per cent	Percent	Percent	Percent	Percent	Grammes	Millimetres	Millimetres	
Special	Slight trace only	5.0	5.0	2.0	0.5	Reasonably free having regard to the age of rice	2.0	10.5	15.5 to 16.0	5.2 to 5.3	2.3 to 2.4	<ol style="list-style-type: none"> 1. The grains shall be reasonably uniform in size, of fairly white or creamy colour. 2. The rice- <ol style="list-style-type: none"> (a) shall be prepared as per milling restrictions prescribed by Madras Govt. in G.O. No. 242 Devt. dt. 5th March 1943, (b) shall be reasonably free from paddy, (c) shall be free from musty sour or other obnoxious odour and shall carry no signs of mould or contain webs. (d) shall not have been artificially coloured and shall be free from polishing agent.
A	5.0*	10.0	1.0	4.0	1.0	Do	4.0	21.0	15.5 to 16.0	5.2 to 5.3	2.3 to 2.4	

Basis of quantitative determinations - All determinations and percentages shall be reckoned on the basis of the total weight of a representative sample.

Foreign matter - Loose husk and unhusked grains (paddy) will be treated as foreign matter.

Broken grains - Broken grains shall include pieces of kernel which are less than three-fourth of a whole kernel

Fragments - Fragments shall include pieces of kernel smaller than one-fourth of the whole kernel.

Chalky grains - A chalky grains shall be a grain of rice one-half or more of which is chalky.

Size of grain - The tolerance specified in columns 11 and 12 shall be based upon the average length and breadth of 20 whole kernels taken at random

For accidental errors, a tolerance is permissible upto 1 and 1½ percent in excess of the tolerance specified in column 3 for special and A grades respectively, and a tolerance upto 0.25 percent in excess of the specified tolerance in each of the column 2,4,5,6,7 and 8 uniformly for the two grades provided the total is not in excess of the total refraction specified in column 9.

*Foot note:- As mentioned on page 15.

SCHEDULE-IX

Grade designations and definition of quality of the variety of raw milled rice (War quality) known commercially as Krishnakatukulu or Maharajabhogam or Akusanam grown in the East and West Godavari districts of the Madras Presidency

Special Characteristics												
Grade designation	Maximum Limits of tolerance								Size of grain			General characteristics
	Foreign matter other than rice	Broken grains	Fragments	Other varieties including red grains	Damaged or discoloured grains	Weevilled grains	Chalky grains	Total	1,000 kernel weight	Length	Breadth	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Per cent	Per cent	Per cent	Per cent	Percent	Percent	Percent	Percent	Grammes	Millimetres	Millimetres	
Special	Trace	4.0	1.0	0.3	0.5	Reasonably free having regard to the age of rice	0.5	9.5	13.5 to 14.0	5.3 to 5.4	2.0 to 2.2	<ol style="list-style-type: none"> 1. The grains shall be reasonably uniform in size, and of fairly white colour. 2. The rice- <ol style="list-style-type: none"> (a) shall be prepared as per milling restrictions prescribed by Madras Govt. in G.O. No. 242 Devt. dt. 5th March 1943, (b) shall be reasonably free from paddy, (c) shall be free from musty or obnoxious odour and shall carry no signs of mould or contain webs; (d) shall not have been artificially coloured and shall be free from polishing agents.
A	0.25	8.0	2.0	4.0	1.0	Do	1.0	17.0	13.5 to 14.0	5.3 to 5.4	2.0 to 2.2	

Basis of quantitative determinations - All determinations and percentages shall be reckoned on the basis of the total weight of representative sample.

Foreign matter - Loose husk and unhusked grains (paddy) will be treated as foreign matter.

Broken grains - Broken grain shall include pieces of kernel which are less than three-fourth of a whole kernel

Fragments - Fragments shall include pieces of kernel smaller than one-fourth of the whole kernel.

Chalky grains - A chalky grains shall be a grain of rice one-half or more of which is chalky.

Size of grain - The tolerance specified in columns 11 and 12 shall be based upon the average length and breadth of 20 whole kernels taken at random

For accidental errors, a tolerance is permissible upto 1 and 1½ percent in excess of the tolerance specified in column 3 for Special and A grades respectively, and a tolerance upto 0.25 percent in excess of the specified tolerance in each of the column 2,4,5,6,7 and 8 uniformly for the two grades provided the total is not in excess of the total refraction specified in column 9.

Foot note:- As mentioned on page 15.

SCHEDULE-X

Grade designations and definition of quality of the variety of raw milled rice (War quality) known commercially as Atragada or Ramasagara grown in the Kistna and Guntur districts of the Madras Presidency

Special Characteristics												
Grade designation	Maximum Limits of tolerance								Size of grain			General characteristics
	Foreign matter other than rice	Broken grains	Fragments	Other varieties including red grains	Damaged or discoloured grains	Weevilled grains	Chalky grains	Total	1,000 kernel weight	Length	Breadth	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Per cent	Per cent	Per cent	Per cent	Percent	Percent	Percent	Percent	Grammes	Millimetres	Millimetres	
Special	Trace	8.0	2.0	2.0	Reasonably free	Reasonably free having regard to the age of rice	Chalky	13.0	17.20 to 18.20	5.5 to 6.0	2.2 to 2.5	<ol style="list-style-type: none"> 1. The grains shall be reasonably uniform in size and colour and may be chalky or opaque. 2. The rice- <ol style="list-style-type: none"> (a) shall be prepared as per milling restrictions prescribed by Madras Govt. in G.O. No. 242 Devt. dt. 5th March 1943, (b) shall be reasonably free from paddy, (c) shall be free from musty or obnoxious odour and shall carry no signs of mould or contain webs. (d) shall not have been artificially coloured and shall be free from polishing agents.
A	0.5	12.0	4.0	3.0	0.5	Do	Chalky	20.0	17.20 to 18.20	5.5 to 6.0	2.2 to 2.5	

Basis of quantitative determinations - All determinations and percentage shall be reckoned on the basis of the total weight of a representative sample.

Foreign matter - Loose husk and unhusked grains (paddy) will be treated as foreign matter.

Broken grains - Broken grain shall include pieces of kernel which are less than three-fourth of a whole kernel

Fragments - Fragments shall include pieces of kernel smaller than one-fourth of the whole kernel.

Chalky grains - A chalky grains shall be a grain of rice one-half or more of which is chalky.

Size of grain - The tolerance specified in columns 11 and 12 shall be based upon the average length and breadth of 20 whole kernels taken at random

For accidental errors, a tolerance is permissible upto 1 and 1½ percent in excess of the tolerance specified in column 3 for special and A grades respectively, and a tolerance upto 0.25 percent in excess of the specified tolerance in each of the column 2,4,5,6,7 and 8 uniformly for the grades provided the total is not in excess of the total refraction specified in column 9.

Foot note: - As mentioned on page 15.

SCHEDULE-XI

Grade designations and definition of quality of the variety of raw milled rice (War quality) known commercially as Nellore Samba grown in the Tanjore and Tiruchinapoly districts of the Madras Presidency

Special Characteristics												
Grade designation	Maximum Limits of tolerance								Size of grain			General characteristics
	Foreign matter other than rice	Broken grains	Fragments	Other varieties including red grains	Damaged or discoloured grains	Weevilled grains	Chalky grains	Total	1,000 kernel weight	Length	Breadth	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Per cent	Per cent	Per cent	Per cent	Percent	Percent	Percent	Percent	Grammes	Millimetres	Millimetres	
Special	Trace	8.0	1.0	3.0	0.5	Reasonably free having regard to the age of rice	2.0	15.0	14.5 to 16.0	5.2 to 5.6	2.3 to 2.5	1. The grains shall be reasonably uniform in size of fairly white colour and may be opaque. 2. The rice- (a) shall be prepared as per milling restrictions prescribed by Madras Govt. in G.O. No. 242 Devt. dt. 5th March 1943, (b) shall be reasonably free from paddy, (c) shall be free from musty or obnoxious odour and shall carry no signs of mould or contain webs; (d) shall not have been artificially coloured and shall be free from polishing agents.
A	0.5	12.0	2.0	5.0	1.0	Do	4.0	25.0	14.5 to 16.0	5.2 to 5.6	2.3 to 2.5	

Basis of quantitative determinations - All determinations and percentage shall be reckoned on the basis of the total weight of a representative sample.

Foreign matter - Loose husk and unhusked grains (paddy) will be treated as foreign matter.

Broken grains - Broken grain shall include pieces of kernel which are less than three-fourth of a whole kernel

Fragments - Fragments shall include pieces of kernel smaller than one-fourth of the whole kernel.

Chalky grains - A chalky grains shall be a grain of rice one-half or more of which is chalky.

Size of grain - The tolerance specified in columns 11 and 12 shall be based upon the average length and breadth of 20 whole kernels taken at random

For accidental errors, a tolerance is permissible upto 1 and 1½ percent in excess of the tolerance specified in column 3 for special and A grades respectively, and a tolerance upto 0.25 percent in excess of the specified tolerance in each of the column 2,4,5,6,7 and 8 uniformly for the two grades provided the total is not in excess of the total refraction specified in column 9.

Foot note: - As mentioned on page 15.

SCHEDULE-XII

Grade designations and definition of quality of the variety of raw milled rice (War quality) known commercially as Kusuma grown in the Kistna and Guntur district of the Madras Presidency

Special Characteristics

Grade designation	Maximum Limits of tolerance								Size of grain			General characteristics
	Foreign matter other than rice	Broken grains	Fragments	Other varieties including red grains	Damaged or discoloured grains	Weevilled grains	Chalky grains	Total	1,000 kernel weight	Length	Breadth	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Per cent	Per cent	Per cent	Per cent	Percent	Percent	Percent	Percent	Grammes	Millimetres	Millimetres	
Special	Trace	8.0	2.0	2.0	Reasonably free	Reasonably free having regard to the age of rice	Chalky	12.5	18.0 to 19.0	5.8 to 6.3	2.2 to 2.5	<ol style="list-style-type: none"> 1. The grains shall be reasonably uniform in size of fairly white colour and may be slightly chalky or semi opaque. 2. The rice- <ol style="list-style-type: none"> (a) shall be prepared as per milling restrictions prescribed by Madras Govt. in G.O. No. 242 Devt. dt. 5th March 1943; (b) shall be reasonably free from paddy; (c) shall be free from musty or obnoxious odour and shall carry no signs of mould or contain webs; (d) shall not have been artificially coloured and shall be free from polishing agents.
A	0.5	12.0	5.0	3.0	0.5	Do	Chalky	21.0	18.0 to 19.0	5.8 to 6.3	2.2 to 2.5	

Basis of quantitative determinations - All determinations and percentage shall be reckoned on the basis of the total weight of a representative sample.

Foreign matter - Loose husk and unhusked grains (paddy) will be treated as foreign matter.

Broken grains - Broken grains shall include pieces of kernel which are less than three-fourth of a whole kernel

Fragments - Fragments shall include pieces of kernel smaller than one-fourth of the whole kernel.

Chalky grains - A chalky grains shall be a grain of rice one-half or more of which is chalky.

Size of grain - The tolerance specified in columns 11 and 12 shall be based upon the average length and breadth of 20 whole kernels taken at random

For accidental errors, a tolerance is permissible upto 1 and 1½ percent in excess of the tolerance specified in column 3 for Special and A grades respectively, and a tolerance upto 0.25 percent in excess of the specified tolerance in each of the columns 2,4,5,6,7 and 8 uniformly for the two grades provided the total is not in excess of the total refraction specified in column 9.

Foot note: - As mentioned on page 15.

SCHEDULE-XIII

Grade designations and definition of quality of the variety of raw milled rice (war quality) known commercially as G.E.B. 24 Kichli or Kichidi Samba grown in the Madras Presidency

Special Characteristics

Grade designation	Maximum Limits of tolerance								Size of grain			General characteristics
	Foreign matter other than rice	Broken grains	Fragments	Other varieties including red grains	Damaged or discoloured grains	Weevilled grains	Chalky grains	Total	1,000 kernel weight	Length	Breadth	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Per cent	Per cent	Per cent	Per cent	Percent	Percent	Percent	Percent	Grammes	Millimetres	Millimetres	
Special	Trace	5.0	1.0	2.0	Trace	Reasonably free having regard to the age of rice	Slightly chalky	9.0	12.75 to 13.75	5.2 to 5.7	2.0 to 2.3	1. The grains shall be reasonably uniform in size of fairly white colour and may be slightly chalky or semi opaque.
A	0.50	10.0	2.0	3.0	0.50	Do	Do	16.0	12.75 to 13.75	5.2 to 5.7	2.0 to 2.3	2. The rice- (a) shall be prepared as per milling restrictions prescribed by Madras Govt. in G.O. No. 242 Devt. dt. 5th March 1943; (b) shall be reasonably free from paddy; (c) shall be free from musty or obnoxious odour and shall carry no signs of mould or contain webs; (d) shall not have been artificially coloured and shall be free from polishing agents.

Basis of quantitative determinations - All determinations and percentages shall be reckoned on the basis of the total weight of a representative sample.

Foreign matter - Loose husk and unhusked grains (paddy) will be treated as foreign matter.

Broken grains - Broken grains shall include pieces of kernel which are less than three-fourth of a whole kernel

Fragments - Fragments shall include pieces of kernel smaller than one-fourth of the whole kernel.

Chalky grains - A chalky grains shall be a grain of rice one-half or more of which is chalky.

Size of grain - The tolerance specified in columns 11 and 12 shall be based upon the average length and breadth of 20 whole kernels taken at random

For accidental errors, a tolerance is permissible upto 1 and 1½ percent in excess of the tolerance specified in column 3 for special and A grades respectively, and a tolerance upto 0.25 percent in excess of the specified tolerance in each of the column 2,4,5,6,7 and 8 uniformly for the grades provided the total is not in excess of the total refraction specified in column 9.

Foot note: - As mentioned on page 15.

SCHEDULE-XIV

Grade designations and definition of quality of the variety of raw milled rice (war quality) known commercially as Delhi Bhogom grown in the Kistna and Guntur district of the Madras Presidency

Special Characteristics

Grade designation	Maximum Limits of tolerance								Size of grain			General characteristics
	Foreign matter other than rice	Broken grains	Fragments	Other varieties including red grains	Damaged or discoloured grains	Weevilled grains	Chalky grains	Total	1,000 kernel weight	Length	Breadth	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Per cent	Per cent	Per cent	Per cent	Percent	Percent	Percent	Percent	Grammes	Millimetres	Millimetres	
Special	Trace	4.0	1.0	2.0	Reasonably free	Reasonably free having regard to the age of rice	Slightly chalky	8.0	14.0 to 15.0	5.5 to 6.0	1.9 to 2.2	1. The grains shall be reasonably uniform in size of fairly white colour and may be slightly chalky or opaque.
A	0.5	10.0	2.0	3.0	0.5	Do	Do	16.0	14.0 to 15.0	5.5 to 6.0	1.9 to 2.2	2. The rice- (a) shall be prepared as per milling restrictions prescribed by Madras Govt. in G.O. No. 242 Devt., dt. 5th March 1943, (b) shall be reasonably free from paddy; (c) shall be free from musty or obnoxious odour and shall carry no signs of mould or contain webs; (d) shall not have been artificially coloured and shall be free from polishing agents.

Basis of quantitative determinations - All determinations and percentage shall be reckoned on the basis of the total weight of a representative sample.

Foreign matter - Loose husk and unhusked grains (paddy) will be treated as foreign matter.

Broken grains - Broken grains shall include pieces of kernel which are less than three-fourth of a whole kernel

Fragments - Fragments shall include pieces of kernel smaller than one-fourth of the whole kernel.

Chalky grains - A chalky grains shall be a grain of rice one-half or more of which is chalky.

Size of grain - The tolerance specified in columns 11 and 12 shall be based upon the average length and breadth of 20 whole kernels taken at random

For accidental errors, a tolerance is permissible upto 1 and 1½ percent in excess of the tolerance specified in column 3 for special and A grades respectively, and a tolerances upto 0.05 percent in excess of the specified tolerance in each of the columns 2,4,5,6,7 and 8 uniformly for the two grades provided the total is not in excess of the total refraction specified in column 9.

Foot note: - As mentioned on page 15.

SCHEDULE-XV

Grade designations and definition of quality of the variety of parboiled milled rice (War quality) known commercially as Korangu samba, Kattai samba or Arai samba grown in the Tanjore and Trichinopoly districts of Madras Presidency

Special Characteristics												
Grade designation	Maximum Limits of tolerance								Size of grain			General characteristics
	Foreign matter other than rice	Broken grains	Fragments	Other varieties including red grains	Damaged or discoloured grains	Weevilled grains	Chalky grains	Total	1,000 kernel weight	Length	Breadth	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Per cent	Per cent	Per cent	Per cent	Percent	Percent	Percent	Percent	Grammes	Millimetres	Millimetres	
Special	Trace	4.0	1.0	3.0	1.0	Reasonably free having regard to the age of rice	..	9.5	16.4 to 17.4	4.8 to 5.3	2.3 to 2.6	1. The grains shall be reasonably uniform in size, of fairly white, creamy or greyish colour and fairly translucent, Abdominal white in commercially acceptable proportion not to be objected to.
A	0.25	6.0	2.0	5.0	1.5	Do.	..	15.0	16.4 to 17.4	4.8 to 5.3	2.3 to 2.6	2. The rice- (a) shall be prepared as per milling restrictions prescribed in G.O. No. 242 Devt. Dt. 5th March 1943, (b) shall be reasonably free from paddy, (c) shall be free from musty or obnoxious odour and shall carry no signs of mould or contain webs; (d) shall not have been artificially coloured and shall be free from polishing agents.

Basis of quantitative determinations - All determinations and percentage shall be reckoned on the basis of the total weight of representative sample.

Foreign matter - Loose husk and unhusked grains (paddy) will be treated as foreign matter.

Broken grains - Broken grains shall include pieces of kernel which are less than three-fourth of a whole kernel

Fragments - Fragments shall include pieces of kernel smaller than one-fourth of the whole kernel.

Chalky grains - A chalky grain shall be a grain of rice one-half or more of which is chalky.

Size of grain - The tolerance specified in columns 11 and 12 shall be based upon the average length and breadth of 20 whole kernels taken at random

For accidental errors, a tolerance is permissible upto 1 and 1½ percent in excess of the tolerance specified in column 3 for special and A grades respectively, and a tolerance upto 2.25 percent in excess of the specified tolerance in each of the column 2,4,5,6,7 and 8 uniformly for the grades provided the total is not in excess of the total refraction specified in column 9.

Foot note: - As mentioned on page 15.

SCHEDULE-XVI

Grade designations and definition of quality of the variety of parboiled milled rice (War quality) known commercially as Nellore Samba grown in th Tanjore and Trichinopoly districts of Madras Presidency

Special Characteristics												
Grade designation	Maximum limits of tolerance								Size of grain			General characteristics
	Foreign matter other than rice	Broken grains	Fragments	Other varieties including red grains	Damaged or discoloured grains	Weevilled grains	Chalky grains	Total	1,000 kernel weight	Length	Breadth	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Per cent	Per cent	Per cent	Per cent	Percent	Percent	Percent	Percent	Grammes	Millimetres	Millimetres	
Special	Trace	3.0	1.0	2.0	Trace	Reasonably free having regard to the age of rice	1.0	8.0	15.5 to 16.5	5.1 to 5.6	2.3 to 2.6	1. The grains shall be reasonably uniform in size and colour (not chalky) and may contain abdominal white in commercially acceptable proportions
A	0.25	6.0	2.0	3.5	0.5	Do	1.5	14.0	15.5 to 16.5	5.1 to 5.6	2.3 to 2.6	2. The rice- (a) shall be prepared as per milling restrictions prescribed by Madras Govt. in G.O. No. 242 Devt. dt. 5th March 1943; (b) shall be reasonably free from paddy; (c) shall be free from musty or obnoxious odour and shall carry no signs of mould or contain webs; (d) shall not have been artificially coloured and shall be free from polishing agents.

Basis of quantitative determinations - All determinations and percentage shall be reckoned on the basis of the total weight of a representative sample.

Foreign matter - Loose husk and unhusked grains (paddy) will be treated as foreign matter.

Broken grains - Broken grains shall include pieces of kernel which are less than three-fourth of a whole kernel

Fragments - Fragments shall include pieces of kernel smaller than one-fourth of the whole kernel.

Chalky grains - A chalky grains shall be a grain of rice one-half or more of which is chalky.

Size of grain - The tolerance specified in columns 11 and 12 shall be based upon the average length and breadth of 20 whole kernels taken at random

For accidental errors, a tolerance is permissible upto 1 and 1½ percent in excess of the tolerance specified in column 3 for special and A grades respectively, and a tolerance upto 0.25 percent in excess of the specified tolerance in each of the columns 2,4,5,6,7 and 8 uniformly for the grades provided the total is not in excess of the total refraction specified in column 9.

Foot note: - As mentioned on page 15.

SCHEDULE-XVII

Grade designations and definition of quality of the variety of parboiled milled rice (war quality) known commercially as Muthusamba or Kothamalli Samba or white sirumani grown in the Tanjore and South Arcot districts of the Madras Presidency

Special Characteristics

Grade designation	Maximum Limits of tolerance								Size of grain			General characteristics
	Foreign matter other than rice	Broken grains	Frag-ments	Other varieties including red grains	Damaged or discoloured grains	Weevilled grains	Chalky grains	Total	1,000 kernel weight	Length	Breadth	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Per cent	Per cent	Per cent	Per cent	Percent	Percent	Percent	Percent	Grammes	Millimetres	Millimetres	
Special	Slight trace only	3.0	Nil	2.0	0.50	Reasonably free having regard to the age of rice	Nil	6.0	11.5 to 12.0	3.7 to 3.9	2.3 to 2.5	1. The grains shall be small round reasonably uniform in size of white colour and chalky.
A	0.25	4.0	1.0	3.0	2.0	-do-	Nil	10.25	11.5 to 12.0	3.7 to 3.9	2.3 to 2.5	2. The rice- (a) shall be prepared as per milling restrictions prescribed by Madras Govt. in G.O. No. 242 Devt. dt. 5th March 1943, (b) shall be reasonably free from paddy, (c) shall be free from musty or obnoxious odour and shall carry no signs of mould or contain webs. (d) shall not have been artificially coloured and shall be free from polishing agents.

Basis of quantitative determinations - All determinations and percentage shall be reckoned on the basis of the total weight of a representative sample.

Foreign matter - Loose husk and unhusked grains (paddy) will be treated as foreign matter.

Broken grains - Broken grains shall include pieces of kernel which are less than three-fourth of a whole kernel

Fragments - Fragments shall include pieces of kernel smaller than one-fourth of the whole kernel.

Chalky grains - A chalky grains shall be a grain of rice one-half or more of which is chalky.

Size of grain - The tolerance specified in columns 11 and 12 shall be based upon the average length and breadth of 20 whole kernels taken at random

For accidental errors, a tolerance is permissible upto 1 and 1½ percent in excess of the tolerance specified in column 3 for special and A grades respectively, and a tolerance upto 0.25 percent in excess of the specified tolerance in each of the column 2,4,5,6,7 and 8 uniformly for the two grades provided the total is not in excess of the total refraction specified in column 9.

Foot note: - As mentioned on page 15.