

RICE (GRADING AND MARKING) RULES, 1939

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RICE (GRADING AND MARKING) RULES, 1939

In exercise of the powers conferred by Sec. 3 of the Agricultural Produce (Grading and Marking) Act, 1937 (I of 1937), the Central Government is pleased to make the following rules the same having been previously published as required by the said section, namely :-

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 per cent)].

(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 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-

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 paker,
- (d) date of packing.

6. Method of packings :-

(1) The rice shall be packed in containers made of ju 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 impart a obnoxious flavour, odour or other undesirable characteristics to the rice shall not employed.

(2) Each container shall contain only goods of the crop year specified and of grade designation only.

SCHEDULE 1

SCHEDULE 1

(See rule 4) Grade designation mark for rice

SCHEDULE 2

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 TaftSU in the United Provinces												
(See rules 2 and 3)												
Grade designation	Special characteristics								Size of grain			
	Maximum limits of tolerance											
	Foreign matter	Broken grains	Fragments	Other rices	Damaged or discoloured grains	Weevil infested grains	Chalky grains	Total	1,000 Kernel weight	Length	Breadth	General characteristics
	per cent	per cent	per cent	per cent	per cent	per cent	per cent	per cent	per cent	in millimetres	in millimetres	
Special	Slight trace	3.0	Nil	1.0	0.25	Reasonably free	Nil	4.5		Shall not contain more than 2 per cent 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		2. The rice (a) shall possess in a marked degree the natural fragrance characteristic of Bas-

										than 7 per cent		mati rice both in the raw and cooked state,
										of who		
										le grains		(b) shall not have been artifici-
										SCHEDULE II-Contd.		
1	2	3	4	5	6	7	8	9	10	11	12	13
										whose		ally coloured and shall be
										length		free from polishing agents,
										is less		
										than		(c) may contain upto 10 per
										6.40 mm.		cent of grains with an app-
B	0.25	12.0	Nil	4.0	0.75	Reaso	Nil	18		Shall		reciable amount of bran
						nably				not con		thereon
						free				tain		
						having				more		
						regard	to			than 15		
						the age				per cent		
						of the				of whole		
						rice				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 $\frac{1}{2}$, 1 and $1\frac{1}{2}$ 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.

SCHEDULE 3
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 rule 2 and rule 3)

Special characteristics												
Grade	Maximum limits of tolerance								Size of grain			
desig	Foreign	Broken	Frag	Other	Dam	Wee-	Chalky	Total	1,000			
nation	matter	grains	ments	rices	aged or	villed	grains		Kernel	Length	Breadth	General characteristics
	other			includ	discolo	grains			weight			
	than			ing red	ured							
	rice			grains	grains							
1	2	3	4	5	6	7	8	9	10	11	12	13
	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Gram	Milli	Milli	
Special	Slight	0.5	Nil	3.0	0.25	Nil	1.0	5	mes	metres	metres	
	trace								Not less	Not less		1. The grains shall be long
	only								than	than		slender of white colour
									14.0	6.50		and highly translucent
												and may contain abdominal white (locally known as til) in commercially

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		acceptable proportions.
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
1	2	3	4	5	6	7	8	9	10	11	12	13
												maida (wheat flour). (c) shall not contain more than 1 per cent of grains with an appreciable amount of bran thereon.

Basis of quantitative determination. 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. The 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 per cent in column 3 in respect of Special and A grades and a tolerance of 0.50 per cent in respect of B grade.

(ii) A tolerance of 0.05 per cent in column 4 in respect of B grade only.

(iii) A tolerance of 0.50 per cent in column 5 in respect of Special and A grades and a tolerance of 1.00 per cent in respect of B grade.

(iv) A tolerance of 0.10 per cent in column 6 in respect of Special and A grades and a tolerance of 0.20 per cent in respect of B grade.

(v) A tolerance of 0.50 per cent in column 8 in respect of Special, A and B grades.

SCHEDULE 4
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	Maximum limits of tolerance									Size of grains		
desig												
nation	Foreign matter other than rice	Broken grains	Frag ments	Other rices inclu ding red grains	Dama ged or dis grains	Weevi- lled 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	Per cent	Per cent	Per cent	Per cent	Per cent	Gram mes	Milli metres	Milli metres
1	2	3	4	5	6	7	8	9	10	11	12	13
A	1.0	15.0	1.5	1.5	1.0	Reason ably free	4	25	Within 15.5 and	Within the limi ts of 5.2 and 5.3	Within the limi ts of 2.3 and 2.4	1. The grains shall be reaso nably uniform, in size of white creamy or greyish colour.

								16.0					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 signs of
													mould or contain webs,
													(c) shall not have been ar
													tificially coloured.

Basis of quantitative determination. 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-fourths of a whole kernel.

Fragments. The 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 upto 1/2, per cent in excess of the tolerances specified in column 3 and a tolerance up to 0.25 per cent. in

excess of the specified tolerance in 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.

SCHEDULE 5
SCHEDULE V

Grade designations and definition of quality of the variety of raw milled rice (War quality) known commercially as KothamaU Samba or White Sirumali grown in the Tanjore and South Arcot Districts of the Madras Presidency (See rule 2 and rule 3)

Grade designations and definition of quality of the variety of raw milled rice (War quality) known commercially as Kothamak Samba or White Sirumati grown in the Tanjore and South Arcot Districts of the Madras Presidency (See rules 2 and 3)

Special characteristics												
Grade	Maximum limits of tolerance							Size of grain			General characteristics	
desig	Foreign	Broken	Frag	Other	Dama	Weevi-	Chalky	Total	1,000			
nation	matter	grains	ments	varie	ged	lled	grains		Kernel	Length	Breadth	
	other			ties in	or dis	grains			weight			
	than			cluding	coloured							
	rice			red	grains							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Per	Per	Per	Per	Per	Per	Per	Per	Gram	Milli	Milli	
	cent	cent	cent	cent	cent	cent	cent	cent	mes	metres	metres	
Special	Trace	10.0	1.0	2.0	1.0	Reaso	2.0	16.0	11.50	3.7	2.3	
						nably			to	to	to	1. The grains shall be
						free			12.50	4.3	2.8	reasonably uniform in size
						having						and colour
						regard						our with a fair
						to the						proportion of
						age of						belly whites present.
						rice						
A	0.25	15.0	2.0	3.5	3.0	Do	3.0	25.75	11.50	3.7	2.3	2. The rice
									to	to	to	(a) shall be prepared as
									12.50	4.3	2.8	per milling restrictions
												prescribed by Madras
												Govt. in G.O. No. 242-
												Devt. dated 5th March,
												1943,
												(6) shall be reasonably
												free from paddy,
												(c) shall be free from
												musty or obnoxious
												odour and shall carry
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)

																				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 imhusked grains (paddy) will be treated as foreign matter.

Broken grains. Broken grains shall include pieces of kernel which are less than three-fourths 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 grains. 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 up to 1 and 1/2 per cent in excess of the tolerances specific

in column 3 for special and A grades respectively,

and a tolerance up to 0.5 per cent 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.

SCHEDULE 6

SCHEDULE VI

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	Maximum limits of tolerance							Size of grain				
designation	Foreign matter	Broken grains	Fragments	Other varieties	Dam aged or discoloured grains	Weevilled grains	Chalky grains	Total	1,000 kernel weight	Length	Breadth	General characteristics
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per gram	Milli-	Milli-	
Special	Trace	4.0	2.0	3.0	Trace	cent	cent	cent	mes	metres	metres	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
						Reasonably	Chalky	9.5	9.7	5.5	1.5	1. The grains shall be reasonably uniform in size of white colour and may be chalky or opaque.
						free			10.0	6.0	1.6	
						having						
						regard to						
						the age						
						of rice						
A	0.5	6.0	3.0	6.5	Trace	Do	Chalky	15.5	9.7	5.5	1.5	2. The rice
									to	to	to	(a) shall receive one polish as prescribed by Madras Government in G. O. No. 243
									10.0	6.0	1.6	(b) shall be reasonably free from paddy,
												(c) shall be free from musty or other objectionable 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-fourths 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 grains.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 up to 1 and 1 /2 per cent in excess of the tolerances specified in column 3 for special and A grades respectively;												
and a tolerance upto 0.25 per cent 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.												

SCHEDULE 7
SCHEDULE VII

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

Special characteristics												
Grade	Maximum limits of tolerance								Size of grain			
design												
nation												
	Foreign matter other than rice	Broken grains	Fragments	Other varieties including red grains	Dam aged or discoloured grains	Weevil lled grains	Chalky grains	Total	1,000 kernel weight	Length	Breadth	General characteristics
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Gram	Milli	Milli	
Special	Slight trace	3.0	Nil	1.0	0.25	cent	cent	cent	mes	metres	metres	
	onle					Reaso	Nil	4.5	15.0	4.2	2.4 1.	The grains shall be small round
						nably			to	to	to	reasonably uniform in size, of white
						free			15.5	4.5	2.7	or greyish colour and translucent
						having						(not chalky)
						regard						
						to the						
						age of						
						rice						
A	0.25	5.0	1.0	2.0	1.0	Do.	Nil	9.25	15.0	4.2	2.4 2.	The rice
									to	to	to	(a) shall receive one polish as
									15.0	4.5	2.7	per milling restrictions
												prescribed by Madras
												Government in G.O. No. 242
												Dev., dated 5th March, 1943,
												(b) shall be reasonably free from
												paddy,
												(c) shall be free from musty, sour
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
												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 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-fourths 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 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 up to 1 and 1 /2 per cent in excess of the tolerance specified in column 3 for special and A grades respectively												
and tolerance upto 0.25 per cent 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.												

SCHEDULE 8
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

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						Chalky grains			Size of grain		General characteristics
	Foreign matter	Broken grains	Fragments	Other varieties	Damaged	Weevilled grains	Total grains	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	Per cent	Per cent	Per cent	Per cent	Gra- metres	Milli metres	Milli metres	
Special	Slight	5.0	5.0	.2.0	0.5	Reasonably	2.0	10.5	15.0	5.2	2.3	1. The grains shall be reasonably uniform in size of fairly white or creamy colour.
	trace					only			to	to	to	
	only					free			16.0	5.3	2.4	2. The rice (a) shall be prepared as per milling restrictions prescribed by Madras Government in G. O. No. 242-Devt., dated 5th March, 1943;
						having regard to the age of rice						
A	5.0	10.0	1.0	4.0	1.0	Do.	4.0	21.0	15.5	5.2	2.3	(6) 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
									to	to	to	
									16.0	5.3	2.4	

													and shall be free from polishing agents.
--	--	--	--	--	--	--	--	--	--	--	--	--	--

SCHEDULE 10
SCHEDULE X

Special characteristics												
Grade	Maximum limits of tolerance							Size of grain				
design	Foreign matter	Broken grains	Fragments	Other varieties	Damaged	Weevil infested	Chalky grains	Total	1,000 kernel weight	Length	Breadth	General characteristics
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Grammes	Milli metres	Milli metres	
Special	Trace	8.0	2.0	2.0	Reas	Reas	Chalky	13.0	17.20	5.5	2.2	1. The grains shall be reasonably uniform in size and colour and may be chalky or opaque.
					reasonably free	reasonably free			to 18.20	to 6.0	to 2.5	
						having regard to the age of rice						
											2.	The rice (a) shall be prepared as per milling restriction prescribed by Madras Government in G. O. No. 242-Devt., dated 5th March 1943;
												(b) shall be reasonably free from paddy:
												(c) shall be free from musty or obnoxious odour and shall carry no sign of mould or contain webs;
A	0.5	12.0	4.0	3.0	OS	Do.	Chalky	20.0	17.20	5.5	2.2	(d) shall not have been artificially coloured and shall be free from polishing agents.
									to 18.20	to 6.0	to 2.5	

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-fourths 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 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 up to 1 and 1/2 per cent in excess of the tolerances specified in column 3 for special and A grades respectively, and a tolerance up to 0.25 per cent in excess of the specified tolerance in each of the columns 2, 4, 5, 6, 7 and 8 uniformly of the two grades provided the total is not in excess of the total refraction specified in column 9.

SCHEDULE 11
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

													(c) shall be free from musty or obnoxious odour and shall carry no sign of mould or contain webs;
A	0.5	12.0	4.0	3.0	OS	Do.	Chalky	20.0	17.20	5.5	2.2		(d) shall not have been arti
										to	to		
									to	6.0	2.5		cially 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-fourths 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 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 up to 1 and 1/2 per cent in excess of the tolerances specified in column 3 for special and A grades respectively,													
and a tolerance up to 0.25 per cent in excess of the specified tolerance in each of the columns 2, 4, 5, 6, 7 and 8 uniformly of the two grades provided the total is not in													
excess of the total refraction specified in column 9.													

SCHEDULE 12
SCHEDULE XII

Grade designations and definition of quality of the variety of raw milled rice (War quality) known commercially as Kusama grown in the Kistna and Guntur districts of the Madras Presidency													
										Special characteristics			
Grade	Maximum limits of tolerance						Size of grain						
desig	For-	Bro	Frag	Other	Dam	Wee-	Chal	Total	1,000				
nation	oreign	ken	ments	varie	aged	villed	ky		Kernel	Length	Breadth	General characteristics	
	matter	grains		ties in	or dis	grains	grains		weight				
	other			cluding	colo								
	than			red	ured								
	rice			grains	grains								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
	Per	Per	Per	Per	Per	Per	Per	Per	Gra-	Milli	Milli		
	cent	cent	cent	cent	cent	cent	cent	cent	mes	metres	metres		
Spe	Trace	8.0	2.0	2.0	Reas	Reas	Chalky	12.5	18.0	5.8	2.2	1. The grains shall be reasonably	
cial					onably	onably			to	to	to	uniform in size, of fairly white	
					free	free			19.0	6.3	2.5	colour and may be chalky or	
						having						opaque.	
						regard							
						to the							
						age of							
						rice							
												2. The rice	
												(a) shall be prepared as per milling	
												restrictions perscribed by	
												Madras Government in G. O.	
												No. 242-Devt., dated 5th	
												March, 1943;	
												(b) shall be reasonably free from	

													(c) shall be free from musty or
													obnoxious odour and shall
													carry no signs of mould or
													contain webs;
A	0.5	12.0	5.0	3.0	0.5	Reas	Chal	21.0	18.0	5.8	2.2		(d) shall not have been artificially
						onably	ky		to	to	to		coloured and shall be free from
						free			19.0	6.3	2.5		polishing agents.
						having							
						regard							
						to the							
						age of							
						rice							

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-fourths 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 up to 1 and 1 ^ per cent in excess of the tolerances specified in column 3 for special and A grades

respectively, and a tolerance up to 0.25 per cent 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.

SCHEDULE 13
SCHEDULE XIII

Grade designations and definition of quality of the variety of raw milled rice (War quality) known commercially as G.E.B., 24 Kichidi or Kichidi Sambo grown in the

Madras Presidency

Special characteristics

Grade	Maximum limits of tolerance							Size of grain				
desig- nation	For	Bro	Frag	Other	Dam	Wee- villed	Chal ky	Total	1,000			
	eign	ken	ments	varie	aged	grains	grains		Kernel	Length	Breadth	General characteristics
	matter	grains		ties in	or dis	grains	grains	weight				
	other			cluding	colo							
	than			red	ured							
	rice			grains	grains							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Per	Per	Per	Per	Per	Per	Per	Per	Gra-	Milli	Milli	
	cent	cent	cent	cent	cent	cent	cent	cent	mes	metres	metres	

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	Maximum limits of tolerance							Size of grain				
desig- nation	For	Bro	Frag	Other	Dam	Wee- villed	Chal ky	Total	1,000			
	eign	ken	ments	varie	aged	grains	grains		Kernel	Length	Breadth	General characteristics
	matter	grains		ties in	or dis	grains	grains	weight				
	other			cluding	colo							
	than			red	ured							
	rice			grains	grains							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Per	Per	Per	Per	Per	Per	Per	Per	Gra-	Milli	Milli	
	cent	cent	cent	cent	cent	cent	cent	cent	mes	metres	metres	
Spe	Trace	5.0	1.0	2.0	Trace	Reas	Slightly	9.0	12.75	5.2	2.0	1. The grains shall be reasonably
cial						onably	chalky		to	to	to	uniform in size, of fairly white

						free			13.75	5.7	2.3	colour and may be
						having						slightly cha
						regard						ky or semi
						to the						opaque.
						age of						
						rice						
A	0.50	10.0	2.0	3.0	0.50	Do	Do	16.0	12.75	5.2	2.0	2. The rice
									to	to	to	
									13.7	5.7	2.3	(a) shall be
												prepared as per
												milling
												restrictions
												prescribed by
												Madras
												Government in G.
												0.
												No. 242-Devt.,
												dated 5th
												March, 1943;
												(f>) 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-fourths 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 up to 1 and 1/2 per cent in excess of the tolerances specified in column 3 for special and A grades

respectively, and a tolerance up to 0.25 per cent 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.

SCHEDULE 14
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 districts the Madras Presidency													
Grade	Maximum limits of tolerance						Special characteristics			Size of grain			
	For	Bro	Frag	Other	Dam	Wee-	Chal	Total	1,000	Kernel	Length	Breadth	General characteristics
desig	nation	eign	ken	ments	varie	aged	villed	ky		Kernel	Length	Breadth	General characteristics
	matter	grains		ties in	or dis	grains	grains		weight				
	other			cluding	colo								
	than			red	ured								
	rice			grains	grains								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
	Per	Per	Per	Per	Per	Per	Per	Per	Per	Milli	Milli		
	cent	cent	cent	cent	cent	cent	cent	cent	mes	metres	metres		

Spe	Trace	4.0	.1.0	2.0	Reas	Reas	Slightly	8.0	14.0	5.5	1.9	1. The grains shall be
cial					onably	onably	chalky		to	to	to	reasonably uniform in size of fairly white
					free	free			15.0	6.0	2.2	colour and may be slightly chal
						having						ky or opaque.
						regard to						
						the age of rice						
A	0.5	10.0	2.0	3.0	0.5	Do	Do	16.0	14.0	5.5	1.9	2. The rice
									to	to	to	
									15.0	6.0	2.2	(a) shall be prepared as per milling
												restrictions prescribed by
												Madras Government in G. O.
												No. 242-Devt., dated 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 artificial.
												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-fourths 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.

Six 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 up to 1 and 1/2 per cent in excess of the tolerances specified in column 3 for special and A grade;

respectively, and a tolerance up to 0.25 per cent 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.

SCHEDULE 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	Maximum limits of tolerance							Size of grain				
desig												
nation	For	Bro	Frag	Other	Dam	Wee-	Chal	Total	1,000			
	eign	ken	ments	varie	aged	villed	ky		Kernel	Length	Breadth	General
	matter	grains		ties in	or dis-	grains	grains		weight			characteristics
	other			cluding	colo-							
	than			red	ured							
	rice			grains	grains							

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Per cent	Gra- mes	Milli metres	Milli metres	
Spe	Trace	3.0	1.0	2.0	Trace	Reas	1.0	8.0	15.5	5.1	2.3	1. The grains shall be reasonably
cial						onably			to	to	to	uniform in size and colour (no
						free			16.5	5.6	2.6	chalky) and may contain abdo
						having						minimal white in commercially
						regard						acceptable proportions.
						to the						
						age of						
						rice						
A	0.25	6.0	2.0	3.5	0.5	Do	1.5	14.0	15.5	5.1	2.3	2. The rice
									to	to	to	
									16.5	5.6	2.6	(a) shall have been prepared as per
												milling restrictions prescribes
												by Madras Government in
												G. O. No. 242-Devt.. dated 5th
												March, 1943;
												(6) 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 matterLoose 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-fourths 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.

Six 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 up to 1 and 1 /2 per cent in excess of the tolerances specified in column 3 for special and A grades

respectively, and a tolerance up to 0.25 per cent in excess of the specified tolerance in each of the columns 2,3,4,5,6,7 and 8 uniformly for the two grades

provided the total is not in excess of the total refraction specified in column 9.

SCHEDULE 17
SCHEDULE XVII

Grade designations and definition of quality of the variety of Parboiled milled rice (War quality) known commercially as Muthu samba or Kothamalli samba or white

sirumani grown in the Tanjore and South Arcot districts of the Madras Presidency

Special characteristics

Grade	Maximum limits of tolerance								Size of grain				General characteristics
	desig												
nation	For	Bro	Frag	Other	Dam	Wee-	Chal	Total	1,000				
	eign	ken	ments	varie	aged	villed	ky		Kernel	Length	Breadth		
	matter	grains		ties in	or dis	grains	grains		weight				
	other			cluding	colo								
	than			red	ured								
	rice			grains	grains								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
	Per	Per	Per	Per	Per	Per	Per	Per	Gra-	Milli	Milli		
	cent	cent	cent	cent	cent	cent	cent	cent	mes	metres	metres		
Spe	Slight	3.0	Nil	2.0	0.50	Reas	Nil	6.0	11.5	3.7	2.3	1. The grains shall be reasonably	
cial	trace					onably			to	to	to	uniform in size of white colour	
	only					free			12.0	3.9	2.5	and chalky.	
						having							
						regard							
						to the							
						age of							
						rice							
A	0.25	4.0	1.0	3.0	2.0	Do	Nil	10.25	11.5	3.7	2.3	2. The rice	
									to	to	to		
									12.0	3.9	2.5	(a) shall be ordinarily received on	
												polish as per milling	
												restrictions perscribed by	
												Madras Government in G. O.	
												No. 242-Dev., dated 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-fourths 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 grains. - 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 up to 1 and 1/2 per cent in excess of the tolerances

specified in column 3 for special and A grades respectively, and a tolerance up to 0.5 per cent 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.