

Company Name						
Crop Name		PADDY				
Variety Name						
Types of Variety: (Hybrid/ composite/ synthetic/ improved/ Single cross/ Double cross)						
S.No	Characteristics	States	Note	Hybrid/Re search Variety	Female	Male
1	2	3	4	5	6	7
1	Coleoptile: Colour	Colourless	1			
		Green	2			
		Purple	3			
2	Basal leaf: Sheath colour	Green	1			
		Light purple	2			
		Purple lines	3			
		Uniform purple	4			
3	Leaf: Intensity of green colour	Light	3			
		Medium	5			
		Dark	7			
4	Leaf: Anthocyanin colouration	Absent	1			
		Present	9			
5	Leaf: Distribution of anthocyanin colouration	On tips only	1			
		On margins only	2			
		In blotches only	3			
		Uniform	4			
6	Leaf Sheath: anthocyanin colouration	Absent	1			
		Present	9			
7	Leaf sheath: Intensity of anthocyanin colouration	Very weak	1			
		Weak	3			
		Medium	5			
		Strong	7			
		Very strong	9			
8	Leaf: Pubescence of blade surface	Absent	1			
		Weak	3			
		Medium	5			
		Strong	7			
		Very strong	9			
9	Leaf: Auricles	Absent	1			
		Present	9			
10	Leaf: Anthocyanin colouration of auricles	Colourless	1			
		Light purple	2			
		Purple	3			
11	Leaf: Collar	Absent	1			
		Present	9			
12	Leaf: Anthocyanin colouration of collar	Absent	1			
		Present	9			
13	Leaf: Ligule	Absent	1			
		Present	9			
14	Leaf: Shape of ligule	Truncate	1			
		Acute	2			
		Split	3			
15	Leaf: Colour of ligule	White	1			
		Light purple	2			
		Purple	3			
16	Leaf: Length of blade	Short (<30 cm)	3			
		Medium (30-45 cm)	5			
		Long (>45 cm)	7			
17	Leaf: Width of blade	Narrow (<1 cm)	3			
		Medium (1-2 cm)	5			
		Broad (>2 cm)	7			

S.No	Characteristics	States	Note	Hybrid/Research Variety	Female	Male
1	2	3	4	5	6	7
18	Culm: Attitude (for floating rice only)	Non procumbent	1			
		Procumbent	9			
19	Culm: attitude	Erect	1			
		Semi-erect	3			
		Open	5			
		Spreading	7			
20	Time of heading (50% of plants with panicles)	Very early (<71 days)	1			
		Early (71-90 days)	3			
		Medium (91-110 days)	5			
		Late (111-130 days)	7			
		Very late (> 131 days)	9			
21	Flag leaf: Attitude of blade (early observation)	Erect	1			
		Semi-erect	3			
		Horizontal	5			
		Drooping	7			
22	Spikelet: Density of pubescence of lemma	Absent	1			
		Weak	3			
		Medium	5			
		Strong	7			
		Very strong	9			
23	Male sterility	Absent	1			
		Present	9			
24	Lemma: Anthocyanin colouration of keel	Absent or very weak	1			
		Weak	3			
		Medium	5			
		Strong	7			
		Very strong	9			
25	Lemma: Anthocyanin colouration of area below apex	Absent	1			
		Weak	3			
		Medium	5			
		Strong	7			
		Very strong	9			
26	Lemma: Anthocyanin colouration of apex	Absent	1			
		Weak	3			
		Medium	5			
		Strong	7			
		Very strong	9			
27	Spikelet: Colour of stigma	White	1			
		Light green	2			
		Yellow	3			
		Light purple	4			
		Purple	5			
28	Stem: Thickness	Thin (<0.40 cm)	3			
		Medium (0.40-0.55 cm)	5			
		Thick (>0.55 cm)	7			
29	Stem: Length (excluding panicle; excluding floating rice)	Very short (<91 cm)	1			
		Short (91-110 cm)	3			
		Medium (111-130 cm)	5			
		Long (131-150 cm)	7			
		Very long (>150 cm)	9			
30	Stem: Anthocyanin colouration of nodes	Absent	1			
		Present	9			
31	Stem: Intensity of anthocyanin coloration of nodes	Weak	3			
		Medium	5			
		Strong	7			
32	Stem: Anthocyanin colouration of internodes	Absent	1			
		Present	9			

S.No	Characteristics	States	Note	Hybrid/Re search Variety	Female	Male
1	2	3	4	5	6	7
33	Panicle: Length of main axis	Very short (<16 cm)	1			
		Short (16-20 cm)	3			
		Medium (21-25 cm)	5			
		Long (26-30 cm)	7			
		Very long (>30 cm)	9			
34	Flag leaf: Attitude of blade (late observation)	Erect	1			
		Semi-erect	3			
		Horizontal	5			
		Deflexed	7			
35	Panicle: Curvature of main axis	Straight	1			
		Semi-straight	3			
		Deflexed	5			
		Dropping	7			
36	Panicle: Number per plant	Few (<11)	3			
		Medium (11-20)	5			
		Many (>20)	7			
37	Spikelet: Colour of tip of lemma	White	1			
		Yellowish	2			
		Brown	3			
		Red	4			
		Purple	5			
		Black	6			
38	Lemma and Palea: Colour	Straw	1			
		Gold and gold furrows on straw background	2			
		Brown spots on straw	3			
		Brown furrows on straw	4			
		Brown (tawny)	6			
		Reddish to light purple	7			
		Purple spots / furrows on straw	8			
		Purple Black	9			
39	Panicle: Awns	Absent	1			
		Present	9			
40	Panicle: Colour of awns (late observation)	Yellowish White	1			
		Yellowish Brown	2			
		Brown	3			
		Reddish brown	4			
		Light red	5			
		Red	6			
		Light purple	7			
		Purple	8			
		Black	9			
41	Panicle: Length of longest awn	Very short	1			
		Short	3			
		Medium	5			
		Long	7			
		Very long	9			
42	Panicle: Distribution awns	Tip only	1			
		Upper half only	3			
		Whole length	5			
43	Panicle : Presence of secondary branching	Absent	1			
		Present	9			
44	Panicle: Secondary branching	Weak	1			
		Strong	2			
		Clustered	3			
45	Panicle: Attitude of branches	Erect	1			
		Erect to semi-Erect	3			
		Semi-erect	5			
		Semi-erect to spreading	7			
		Spreading	9			

S.No	Characteristics	States	Note	Hybrid/Re search Variety	Female	Male
1	2	3	4	5	6	7
46	Panicle: Exertion	Partly exerted	3			
		Mostly exerted	5			
		Well exerted	7			
47	Time maturity (days)	Very early (<100)	1			
		Early (101-120)	3			
		Medium (121-140)	5			
		Late (141-160)	7			
		Very late (>160)	9			
48	Leaf: Senescence	Early	3			
		Medium	5			
		Late	7			
49	Sterile lemma: Colour	Straw	1			
		Gold	2			
		Red	3			
		Purple	4			
50	Grain: Weight of 1000 fully developed grains	Very low (<15 g)	1			
		Low (15-20 g)	3			
		Medium (21-25 g)	5			
		High (26-30)	7			
		Very high (>30 g)	9			
51	Grain: Length	Very short (<6.0 mm)	1			
		Short (6.1-8.5 mm)	3			
		Medium (8.6-10.5 mm)	5			
		Long (10.6-12.5 mm)	7			
		Very long (>12.5 mm)	9			
52	Grain: Width	Very narrow (<2.0 mm)	1			
		Narrow (2.1-2.5 mm)	3			
		Medium (2.6-3.0 mm)	5			
		Broad (3.1-3.5 mm)	7			
		Very broad (>3.5 mm)	9			
53	Grain: Phenol reaction of lemma	Absent	1			
		Present	9			
54	Decorticated grain: Length	Short	1			
		Medium	3			
		Long	5			
		Long* (Long for Basmati type)	7			
		Extra long	9			
55	Decorticated grain: Width	Narrow (<2.0 mm)	3			
		Medium (2.0-2.5 mm)	5			
		Broad (>2.5 mm)	7			
56	Decorticated grain: Shape (in lateral view)	Short slender	1			
		Short bold	2			
		Medium slender	3			
		Long bold	4			
		Long slender	5			
		Long slender* (For Basmati type)	5			
		Extra long slender	6			
57	Decorticated grain: Colour	White	1			
		Light brown	2			
		Variegated brown	3			
		Dark brown	4			
		Light red	5			
		Red	6			
		Variegated purple	7			
		Purple	8			
58	Endosperm: Presence of amylose	Dark purple	9			
		Absent	1			
		Present	9			

S.No	Characteristics	States	Note	Hybrid/Re search Variety	Female	Male
1	2	3	4	5	6	7
59	Endosperm: Content of amylose	Very low (<10%)	1			
		Low (10-19%)	3			
		Medium (20-25%)	5			
		High (26-30%)	7			
		Very high (>30%)	9			
60	Varieties with endosperm of amylose absent only Polished grain: Expression of white core	Absent or very small	1			
		Small	3			
		Medium	5			
		Large	7			
		Fully chalky	9			
61	Gelatinization temperature through alkali spreading value	Low	1			
		Medium	3			
		High				
		medium	5			
		High	7			
62	Decorticated grain: Aroma	Absent	1			
		Present	9			