

INFORMATION ON AICRIP CENTRE

1	Name of the university/ department under which the center is functioning	:	Punjab Agricultural University, Ludhiana																										
2	Name of the centre with postal address, tel. , fax and e-mail	:	Rice Section, G S Khush Laboratories, Department of Plant Breeding, Genetics & Biotechnology, Punjab Agricultural University, Ludhiana (Punjab)- 141 004 Tel. 0161-2401960-2401970 Extn. 270 Fax. 0161-2401444																										
3	Name of the person in-charge with email ID and mobile no.	:	Dr. T S Bharaj, Senior Rice Breeder, G S Khush Laboratories, Department of Plant Breeding, Genetics & Biotechnology, Punjab Agricultural University, Ludhiana (Punjab)- 141 004 E-mail: tsbharaj@yahoo.com Mobile no. : 09888483255																										
4	Next contact Person with e-mail ID and mobile phone no.	:	Dr. Naveen Singh, Assistant Plant Breeder, Rice Section, G S Khush Laboratories, Department of Plant Breeding, Genetics & Biotechnology, Punjab Agricultural University, Ludhiana (Punjab)- 141 004 E-mail: n.singhk@rediffmail.com Mobile no. : 09417751063																										
5	Year of establishment as AICRIP Centre	:	1965																										
6	List of scientist currently on AICRIP roll-discipline wise	:	<table border="1"> <tr> <td colspan="2">Plant Breeding:</td> </tr> <tr> <td>Dr. G S Mangat:</td> <td>Rice Breeder</td> </tr> <tr> <td>Dr. Naveen Singh:</td> <td>Assistant Plant Breeder</td> </tr> <tr> <td colspan="2">Agronomy:</td> </tr> <tr> <td>Dr. Gulshan Mahajan:</td> <td>Rice Agronomist</td> </tr> <tr> <td colspan="2">Entomology:</td> </tr> <tr> <td>Dr. P. S. Sarao</td> <td>Assistant Entomology</td> </tr> <tr> <td>Sh. K S Suri</td> <td>Assistant Entomology</td> </tr> <tr> <td colspan="2">Plant Pathology:</td> </tr> <tr> <td>Dr. J. S. Lore</td> <td>Assistant Plant Pathologist</td> </tr> <tr> <td>Sh. Mandeep S. Hunjan</td> <td>Assistant Plant Pathologist</td> </tr> <tr> <td colspan="2">Quality:</td> </tr> <tr> <td>Dr. Neerja Sharma</td> <td>Assistant Biochemist</td> </tr> </table>	Plant Breeding:		Dr. G S Mangat:	Rice Breeder	Dr. Naveen Singh:	Assistant Plant Breeder	Agronomy:		Dr. Gulshan Mahajan:	Rice Agronomist	Entomology:		Dr. P. S. Sarao	Assistant Entomology	Sh. K S Suri	Assistant Entomology	Plant Pathology:		Dr. J. S. Lore	Assistant Plant Pathologist	Sh. Mandeep S. Hunjan	Assistant Plant Pathologist	Quality:		Dr. Neerja Sharma	Assistant Biochemist
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7	List of other AICRIP staff	:	<table> <tr> <td>Sh. Raj Bhallab</td> <td>ASI</td> </tr> <tr> <td>Sh. Veer Singh</td> <td>ASI</td> </tr> <tr> <td>Sh. Balwinder Singh</td> <td>Field man</td> </tr> <tr> <td>Sh. Pargat Singh</td> <td>Tractor Driver</td> </tr> </table>	Sh. Raj Bhallab	ASI	Sh. Veer Singh	ASI	Sh. Balwinder Singh	Field man	Sh. Pargat Singh	Tractor Driver																		
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8	Region of the state represented by the centre	:	Whole of Punjab																																						
9	Rice Ecologies represented	:	Irrigated Low land																																						
10	Districts of the state covered	:	All the 20 rice growing districts																																						
11	Rice Area in each of these districts ecology wise	:	<p>Irrigated Lowland: (000hactares) 2005-06</p> <table> <tr><td>Amritsar</td><td>179 (000ha)</td></tr> <tr><td>Gurdaspur</td><td>190</td></tr> <tr><td>Tarantaran</td><td>166</td></tr> <tr><td>Kapurthala</td><td>108</td></tr> <tr><td>Jalandhar</td><td>151</td></tr> <tr><td>Nawan Shehar</td><td>49</td></tr> <tr><td>Hosiarpur</td><td>61</td></tr> <tr><td>Rupnagar</td><td>37</td></tr> <tr><td>SAS Nagar</td><td>30</td></tr> <tr><td>Ludhiana</td><td>250</td></tr> <tr><td>Ferozepur</td><td>236</td></tr> <tr><td>Faridkot</td><td>86</td></tr> <tr><td>Muktsar</td><td>77</td></tr> <tr><td>Moga</td><td>167</td></tr> <tr><td>Bathinda</td><td>95</td></tr> <tr><td>Mansa</td><td>70</td></tr> <tr><td>Sangrur</td><td>367</td></tr> <tr><td>Patiala</td><td>238</td></tr> <tr><td>Fatehgarh Sahib</td><td>85</td></tr> </table>	Amritsar	179 (000ha)	Gurdaspur	190	Tarantaran	166	Kapurthala	108	Jalandhar	151	Nawan Shehar	49	Hosiarpur	61	Rupnagar	37	SAS Nagar	30	Ludhiana	250	Ferozepur	236	Faridkot	86	Muktsar	77	Moga	167	Bathinda	95	Mansa	70	Sangrur	367	Patiala	238	Fatehgarh Sahib	85
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12	Normal Rainfall and other weather data	:	<p>Rainfall: 705mm (Range 1200mm-300mm over different places)</p> <p>Temperature: Max. 44.2-44.7⁰C Min. 0-2.2⁰C</p>																																						
13	Soil type and Soil fertility	:	<p>Soil type: Sandy loam to clay Soil fertility: Medium to high</p>																																						
14	Popular Rice varieties	:	PR 111, PR 113, PR 114, PR 115, PR 116, PR 118, PAU 201, Pusa 44, Bas. 386, Super Basmati, Pusa basmati 1																																						
15	Major Production Constraints	:	<p>Biotic : Bacterial Blight, Sheath blight, Sheath rot, False smut, Brown Spot, Stem Borer, White Backed Plant Hopper and Leaf folder</p> <p>Abiotic: Temperature increase and alkalinity</p>																																						

16	Major contribution of the centre in terms of varieties/technologies developed	:	At PAU following varieties were developed : PR 106, PR 108, PR 111, PR 113, PR 114, PR 115, PR 116, PR 118, PAU 201, , Bas. 386, Super Basmati. Matching production and protection technologies were developed.
17	Any other relevant information	:	-