

**1. Name of the University / Department under which the centre is functioning:**

Acharya N.G. Ranga Agricultural University.

**2. Name of the centre with postal address, tel. & fax e-mail:**

Andhra Pradesh Rice Research Institute & Regional Agricultural Research Station, (APRRI & RARS) Maruteru, West Godavari District, Andhra Pradesh Pin: 534122 Telephone No. 08819-246283, Fax No. 08819-247583

Email ID: [rarsmtu@yahoo.com](mailto:rarsmtu@yahoo.com)

**3. Name of the person in-charge ID & mobile phone No. :**

Dr. P. Satyanarayana Reddy, Associate Director of Research

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**4. Next contact person with e-mail ID & mobile phone No.:**

Dr. P. Rama Krishnam Raju, Principal Scientist (Rice) i/c

Mobile no: 9440256448

Email ID : [rkbsgr@yahoo.com](mailto:rkbsgr@yahoo.com)

**5. Year of establishment as AICRIP centre: 1968****6. List of Scientists currently on AICRIP roll – discipline wise :**

Sanctioned Post	No. of posts	Name of official	Present designation
Rice Breeder	1	Dr. P.V.Satyanarayana	Senior Scientist
Junior Rice Breeder	2	Dr. P.R.K.Raju Dr. K.V.Seetaramaiah	Principal Scientist Principal Scientist
Agronomist	1	-Vacant-	-
Entomologist	1	-Vacant-	-
Junior Entomologist	1	Smt. K.Vasanth Bhanu	Scientist
Pathologist	1	Dr. S. Krishnam Raju	Senior Scientist
Junior Pathologist	1	Dr. M. Ramabhadhra Raju	Scientist

Junior Physiologist	1	Sri. S. Sivarama Prasad	scientist
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### 7. List of other AICRIP staff:

Sanctioned Post	No. of posts	Name of official	Present designation
Field Assistant	4	Sri K. Chandra Paul Sri Ch. Devanandam Smt. L.V.Prasanna Lakshmi - Vacant-	Agril. Extn. Officer
Jeep Driver	1	Sri. V. Babu Rao	Jeep Driver

### 8. Region of the state represented by the centre : Godavari and Krishna deltas of Andhra Pradesh coastline

### 9. Rice ecologies represented :

Irrigated ecosystem – Godavari and Krishna delta areas

Deepwater ecosystem –Kolleru lake surroundings

Rainfed ecosystem – Uplands in Godavari Zone and Krishna Zone

### 10. Districts of the state covered :

- East Godavari
- West Godavari
- Krishna
- Guntur
- Prakasam
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### 11. Rice area in each of these districts – ecology wise :

Ecosystem	E.G.Dist	W.G.Dist	Krishna	Guntur	prakasam
Irrigated	399395	407702	358260	288639	121058
Deep water	-	21345	-	-	-
Rainfed	10127	-	-	-	-
Total	409522	429047	358260	288639	121058

(estimated areas only based on seed demands)

## 12. Normal rain fall :

Normal average Annual Rainfall in this Zone is 900mm to 1150mm.

## 13. Soil type & fertility status:

Deltaic alluvials and clay loams –Irrigated ecosystem

Red soils, Red sandy to sandy loams- Rainfed ecosystem

## 14. Popular rice varieties :

Popular varieties from APRRI, Maruteru:

MTU 7029	MTU 2077	MTU 2067
MTU 1010	MTU 1001	MTU3636
MTU 1061	MTU 4870	MTU5182
MTU5249	MTU5293	

## 15. Major production constraints:

- Incidence of Pests and Diseases during *kharif* (BPH, WBPH, Leaf folder, stem borer, sheath blight & BLB)
- During rabi (BPH, WBPH, stem borer, leaf folder, sheath blight, leaf blast and neck blast)
- Prolonged cloudy weather during kharif resulting in low yields due to low light intensity
- Lodging at maturity resulting in viviparous germination.

## 16. Major contribution of the centre in terms of varieties / technologies developed :

The varieties Swarna (MTU 7029), Cotton dorasannalu (MTU 1010), Vijetha (MTU 1001), Indra (MTU 1061) and Prabhat (MTU 3626) occupies nearly 60% of Rice area in Krishna –Godavari deltas of Andhra Pradesh.

## **17. Any other information:**

Presently the following works are being carried at this Centre in addition to the AICRIP

- Production and evaluation of rice hybrids suitable to the delta areas with medium and long durations
- Using biotechnology tools like MAS (marker aided selection) for the development and Evaluation of Rice varieties for rainfed ecosystem of NSP (Nagarjuna Sagar Project) areas.
- Breeder Seed Production of popular varieties to meet the demands from State and Central Indents.
- Generation of Breeding material to cater the needs such resistance to BPH, WBPH, non lodging and dormancy.
- Technologies pertaining to rice based cropping systems.