

**A) GENERAL INFORMATION:**

**1. Name of the Research Station** : **Livestock Research Station, PVRTVU Mamnoon, Warangal.**

**2. History of the Research station** :

- Sanctioned vide G.O. Ms. No. 5, Feed & Agri. Dept. dtd: 2-1-1961, started on 02-01-1961 at Khanapur, Warangal.
- Shifted to Mamnoon(G.O.Ms.No.2285 F&R Dept dtd:15-09-1964)
- Transferred to SVVU - G.O.Ms.No.45,AHDD&F(AH-II) Dept., dtd. 12-06-2008; Taken over by University from 01-04-2009, vide University Circ. Memo No. 5964/SC/2009; dtd: 31.03.2009.
- 22-11-2014: Came into the Admin. control of PVRN TVU, vide G.O Ms. No. 1/ AHDD&F (AH) Dept., Dated: 31-07-2014 of the Principal Secretary, AH,DD &F Dept., Govt. of Telangana State.

**3. Non-Plan / Plan:** Non – Plan

**4. Staff Position:**

Sl. No.	Designation	Sanctioned strength	In position with name	Vacant Position	Remarks if any
<b>A) Teaching:</b>					
1	Officer-In Charge (Assistant Director)	1	Dr. Ch. Hari Krishna Principal Scientist	1	OIC & Head (FAC)
2	Scientist - LPM	1	--	1	Vacant
3	Scientist - AGB	1	Dr. P. Amareswari Senior Scientist (AGB)	-	-
4	Vety. Asst. Surgeon	2	--	2	Vacant
<b>B) Non- Teaching:</b>					
1.	Senior Asst.	1	Sri G. Rajeswar	---	Honorarium
2.	Vet. Asst.	2	Smt. M. Anuradha, LSA	---	1 Regular & 1 Outsourcing
3.	Junior Asst.	1	Md. Ahsan Khan	--	Regular
4.	Typist	1		---	Outsourcing
5.	Agri. Maistry	1		---	Outsourcing
6.	Office Subordinate	16	13 1 (AHP, Mamnoon)	2	Outsourcing
	<b>GRAND TOTAL</b>	<b>27</b>	<b>21</b>	<b>6</b>	

5. No. of labourers engaged on work contract basis : 20 (Outsourcing)

6. Total area of the farm : 574.33 Acres

A. Area under cultivation

I. Cultivated fodder crops	APBN – 1	9.0 Acres	<b>TOTAL</b> 28.5 Acres
	Co -4	13.0 Acres	
	Para grass	4.0 Acres	
	Hedge lucerne	1.5 Acre	
	Super Napier	1.0 Acre	
II. Seasonal fodders (Rain fed)	African Tall Maize	13.5 Acres	<b>TOTAL</b> 33.5 Acres
	Subabul/ Gliricidia	4.0 Acres	
	SSG-59-3	16.0 Acres	

**B. Area used for rain fed cultivation, fodder trees and pasture lands:**

- i) 100 Acres: Heteropogan grass (Kancha), for feeding as “Hay”; approx.100 MT.
- ii) 57.5 Acres: Social Forestry (Silvipasture with Cenchrus) for sheep grazing.
- iii) 25 Acres: “Hortipasture (Stylo + Fruit trees)” for sheep feeding.
- iv) 230 Acres: Acacia tress and grazing land for sheep and buffaloes.
- v) 24.33 Acres: Water Percolation Tanks (Cheruvulu).

**C. Area allotted to KVK and AH Polytechnic: 50 Acres + 15 Acres=65 Acres****D. Area allotted to CVSc, Mamnoor: 125 Acres****7. Mandate of Livestock Research Station:**

1. Production of elite Murrah young Bulls for supply to needy farmers of non AI centres / Govt. Organisations.
2. Production of Elite Nellore Brown Breeding Rams/Ram lambs for supply to Shepherds for upgrading the field flocks.
3. Supply of high yielding fodder variety like APBN-1, Co-4 etc. to the farmers to improve the nutritional status of livestock.
4. To impart advanced trainings to the farmers on scientific methods of Dairy and Sheep farming.

**8. Technical Programme of Work:****I. DAIRY UNIT AT LRS, MAMNOOR:****OBJECTIVES:**

1. Genetic Improvement of Murrah herd and to serve as a Bull mother farm.

**TECHNICAL PROGRAMME:**

1. Maintain 50 breedable she buffaloes having more than 2000 Ltrs/Lactation initially. The Lactation yield should be increased to 2500 Ltrs/Lactation in 2 years and 3000 Ltrs/Lactation in 4 years.
2. Use the top ranking progeny tested Bull semen only obtained from NDDB/BAIF or CIRB.
3. Young Bulls born may be cytologically screened and maintained under optimal conditions. Supply the Young Bulls to the Semen production centers.

**LIVESTOCK POSITION (DAIRY UNIT):**

S.No.	Livestock particulars	Male	Female	Total
<b>I.</b>	<b>MURRAH BUFFALOES</b>			
	Murrah She Buffaloes	-	58	<b>58</b>
	Heifers	-	31	<b>31</b>
	Female calves	-	17	<b>17</b>
	Teaser Bulls	2	-	<b>2</b>
	Young bulls	12	-	<b>12</b>
	Male calves	16	-	<b>16</b>
	Work cattle	4	-	<b>4</b>
	<b>TOTAL GMB</b>	<b>34</b>	<b>106</b>	<b>140</b>

## **II. SHEEP UNIT AT LRS, MAMNOOR:**

### **OBJECTIVES:**

- 1) Genetic Improvement in body weight through selective breeding programme.
- 2) Serve as superior Breeding Ram supply unit.

### **TECHNICAL PROGRAMME:**

1. Maintain 500 Breeding Ewes weighing not less than 30 Kg. Use Breeding Rams which are 20% superior in body weight compared to farmers flocks.
2. Go for only designated mating using 10 to 12 sires/year. Maintain 1:50 male, female ratio.
3. Select top 25% of Ram Lambs based on body weight at Weaning age of 3 months.
4. Implement sequential selection based on 6 months and 9 months body weights.
5. Retain top 5% of Breeding programme and supply remaining stock to breeders on cost basis.

### **LIVESTOCK POSITION (SHEEP UNIT):**

S.No.	Livestock particulars	Male	Female	Total
<b>I.</b>	<b>NELLORE BROWN SHEEP</b>			
	Breeding Rams	23	-	<b>23</b>
	Adult Ewes	-	253	<b>253</b>
	Ram Lambs	87	-	<b>87</b>
	Ewe Lambs	-	98	<b>98</b>
	<b>TOTAL SHEEP</b>	<b>110</b>	<b>351</b>	<b>461</b>

## **III. Technology Transfer at LRS, Mamnoor from 2010-18:**

Sl. No.	Particulars	No. supplied / Conducted
1	Murrah young bulls supplied to farmers	47
2	Nellore Rams supplied to farmers for upgrading local sheep flocks	488
3	Fodder Slips (APBN/Co-4) supplied to farmers	15 lakhs
4	Capacity building of Farmers through training programmes	72
5	No. of Farmers benefitted from training programmes	2,692



(Ch. HARI KRISHNA)



## BRIEF REPORT OF PSP PROJECT at LRS, MAMNOOR



### A. GENERAL INFORMATION:

1. Name of the Research Station : **ICAR-Poultry Seed Project at LRS, Mamnoor**
2. History of the Project : The Project is for 3 years (2017 to 2020)
  - a. Sanctioned vide F.No. 4/PSP-2016, dated: 17-10-2017 of the Principal Scientist & I/c, Seed Project, ICAR–Directorate of Poultry Research, R'nagar, Hyderabad.
  - b. PVNRTVU Proc.No.3194/Res/2017; dated: 03-11-2017
3. Non-plan / plan : ICAR-Plan
4. Staff Position :

<b>TEACHING:</b>			
S. No.	Designation	In position with name	Remarks if any
1	Principal Investigator	Dr. Ch. Hari Krishna Principal Scientist	--
2	Co – PI	Dr. M. Gnana Prakash Comptroller & OIC, PRS, Rajendranagar	--
3	Co – PI	Dr. P. Amareswari Senior Scientist (AGB)	--
4	Co – PI	Dr. M. Hanumanth Rao Assistant Professor, PES, Dept. of LFC, Rajendranagar	Permitted to visit LRS, Mamnoor to give technical support in implementation of PSP as and when needed.
<b>NON - TEACHING:</b>			
1	Veterinary Assistant	--	1- Outsourcing
2	Class IV	--	2 - Outsourcing

### B. TECHNICAL PROGRAMME OF PSP:

#### I. OBJECTIVES:

The Project is aimed at production and distribution of backyard poultry (Vanaraja, Gramapriya, Srinidhi and Krishibro) to cater the needs of rural population, especially tribal population.

## II. TECHNICAL PROGRAMME :

Methodology of implementation	<p>a) Procure parents (male line male and female line female) of improved chicken germplasm (Vanaraja, Gramapriya and Srinidhi) from the ICAR-DPR, and will be reared under standard management practices.</p> <p>b) Parent lines will be reared to produce fertile hatching eggs. After hatching the chicks will be reared in the nursery unit or sold to NGOs/KVKs/farmers for nursery rearing upto 6 weeks of age. After nursery phase the chicks will be distributed to the individual farmers on cost basis.</p> <p>c) To know the performance of the birds at farmer's field recording of body weight at 4 weeks intervals during growing (7-20 weeks). Egg production and egg weight at every 14 day intervals during egg laying period (21-72 weeks) will be recorded.</p> <p>d) Analysis, documentation and reporting of the data at regular intervals.</p>
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### POULTRY STOCK POSITION (PSP):

**a) Vanaraja Strain:** Parent line chicks received on 05-04-2018

S.No.	Strain	Stock Position
1	Male line male chicks	90
2	Female line female chicks	254
<b>Grand Total</b>		<b>344</b>

**b) Grama Priya Strain:** Parent line chicks received on 27-02-2019

S.No.	Strain	Stock Position
1	Male line male chicks	118
2	Female line female chicks	520
<b>Grand Total</b>		<b>638</b>

### III. Technology Transfer under PSP project in 2018-19:

Sl. No.	Particulars	No. supplied / Conducted
1	No. of Vanaraja chicks supplied	8629
2	No. of farmers benefitted	34
3	Capacity building of Farmers through training programmes	126



(Ch. HARI KRISHNA)