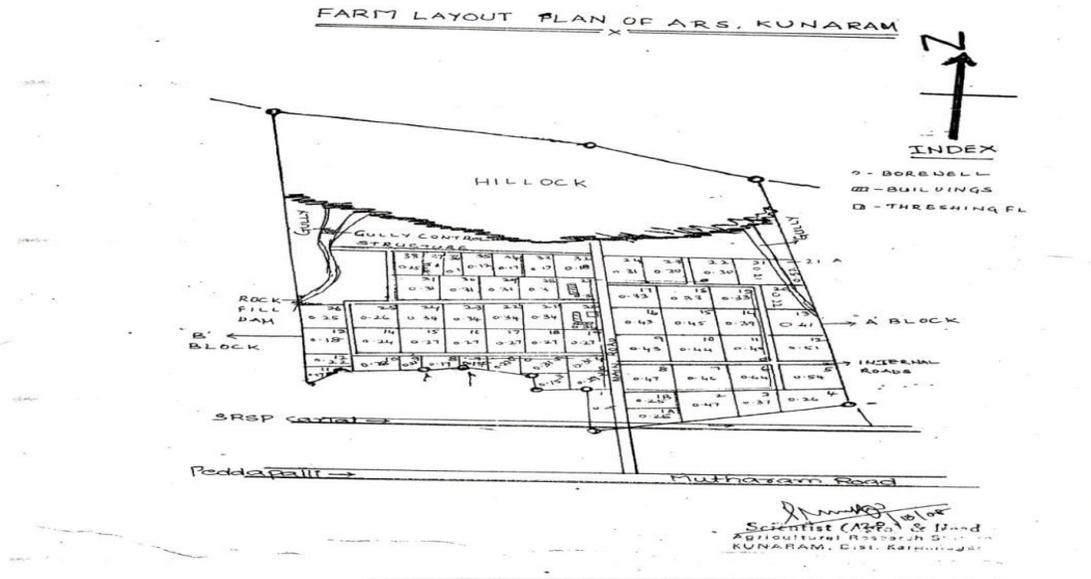


Name of the Research Station : Agricultural Research Station, Kunaram



2. Geographical Layout

1	Geographical position	:	Latitude: 18.5272° N'
			Longitude: 79.4943° E'
2.	Total area	:	24.0 ha
3	Cultivable area	:	11.2 ha

3. Year of establishment: 2007

4. Mandate

- To develop high yielding rice varieties.
- To develop insect pest and disease resistant rice varieties

5. Significant achievements

- The first rice culture KNM 118 from ARS, Kunaram was released during 2015 in the name of "Kunaram Sannalu" through State Varietal Release Committee and notified during, 2016.

- The farmers have been facing problems with the old variety, MTU-1010 that was continuously cultivated over the seasons and years. MTU-1010 is prone to pests and diseases, and grain-shedding. Hence, there is a need for development of variety which has less shattering and resistance to pests and diseases but with grain type and duration similar to MTU-1010 as it has good marketing facility in public and private agencies.
- Since, MTU-1010 variety occupies more than 80% area in Telangana districts especially in *rabi* season, the long slender culture, KNM-118 similar to MTU-1010 in grain type and duration developed from Agricultural Research Station, Kunaram is increasingly replacing MTU-1010..

Salient features of rice culture, KNM 118 (Kunaram Sannalu):

- The rice culture, KNM 118 is a good alternate variety to mega rice variety, MTU 1010 as it exhibits high yield potential (7-8 tonnes / ha) with good test weight, and is less prone to grain shattering and lodging at the time of harvest when compared to MTU 1010.
- Plant height: 100-106 cm
- Duration: *Kharif* :120-125 days; *Rabi* :125-130 days
- It is suitable for *kharif*, late *kharif* and *rabi* seasons.
- This culture has tolerance to leaf blast and neck blast.
- Impacts and benefits:

It has been widely accepted by the farmers, millers, traders and consumers as it exhibits high yield potential (7-8 tonnes/ ha), good test weight, and less prone to grain shattering and less lodging at the time of harvest when compared to MTU 1010. Its grains fetch premium price (Grade A) through Govt. procurement and private organizations as it has translucent long slender grains with good head rice recovery and cooking quality.

- It is also suitable for late sowings in *kharif*.



Kunaram Sannalu (KNM 118)