About Demonstration Farms

❖ Location of Demonstration Farms

Sardar Sarovar Project, the largest in the country, incorporates innovative techniques and state of art procedure for construction, control and management of water deliveries for agricultural production and other uses. The project has been planned to provide irrigation facility to about 18.46 lakh ha of culturable command area in Gujarat. An integrated approach towards planning and implementation of various 'on farm development works' as basic feature of command area development and water management, is followed.

The SSP command area is divided into 13 Agro-Climatic Regions considering parameters of topography and land forms, rainfall, groundwater features, land irrigability class including drainage patterns and canal alignments. Different water allocation is made to each region depending upon rainfall, ground water aquifers and local need.

The irrigation water allowances for the different Agro Climatic Region have been worked-out keeping in view the soil classification, groundwater availability, crops grown and climatological factors. In poorly drained flat lands with relatively high water table, limited water allowance has been planned and conjunctive use of surface and ground water has been advocated.

There are twelve Agricultural Research Stations of State Agricultural Universities located in Sardar Sarovar Project command. Demonstration and other extension activities are undertaken from these stations (Fig. 1) viz. Tanchha, Khandha, Dabhoi, Thasra, Dhandhuka, Vallabhipur, Halvad, Kukda, Jagudan, Adiya, Radhanpur and Bhachau in collaboration with respective State Agricultural University, with some pre-define activities.

Fig. 1. Agro-Climate and Location of Research Stations in Sardar Sarovar Project Command

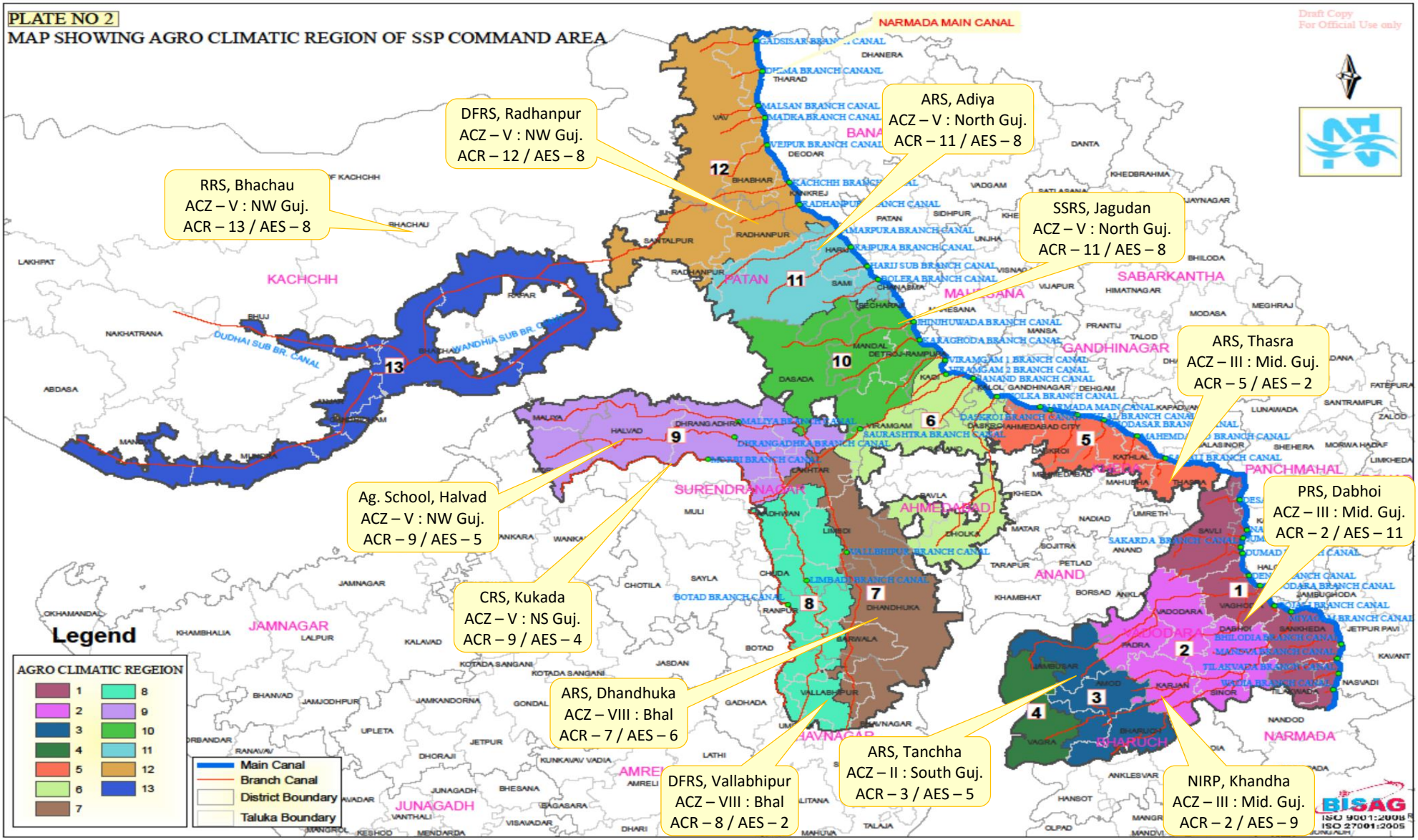

Table 1: Details about the Soil, Crops and Rainfall of Demonstration farms

Sr. No.	University	Name of Demo. Farm	Soils	Crops	Rainfall, mm
1	Navsari Agril. Uni.	Agril. Research Station, Tanchha	Typic Chromus-aterts	Cotton, Castor, Gram, Brinjal	550-750
2	Ananad Agril. Uni.	Narmada Irrigation Research Station, Khandha	Haldar series, fine, montmorillanitic, non-calcareous, hyper-thermic family of typic chromustrat (order-vertisol)	Wheat, Gram, Paddy, Castor, Lucerne, Cotton,	1033
3		Agril. Research Station for Irrigated Crops, Thasara	Alluvial Sandy and Loam type	Paddy, Wheat, Bajra, Pigeon pea, Gram, Maize, Groundnut, Sorghum, Rajagro, Cotton, Mustard, Green Gram	904
4		Paddy Research Station, Dabhoi	Medium black	Gram, Mustard, Wheat, Castor, Aonla, Paddy, Cotton	750-790
5		Agril. Research Station, Dhandhuka	Medium black	Wheat, Gram, Mustard, Dillseed, Safflower, Cotton, Green Gram, Sesame	602
6	Junagadh Agril. Uni.	Agri. School, Halvad	Black and Gray	Cotton, Sorghum, Cumin, Groundnut	588
7		Dry Farming Research Station, Vallabhipur	Medium Black, Moderate Saline	Cotton, Pearl millet, Sesame, Gram Sorghum, Wheat	550-750
8		Cotton Research Station, Kukada	Sandy Loam to Sandy Clay	Cotton, Pearl millet, Sesame, Groundnut	300-400
9	S.D. Agril. Uni.	Agril. Research Station, Adiya	Sandy Loam to Loamy	Wheat, Mustard, Cotton, Castor, Fodder Sorghum, Wheat	600
10		Dry Farming Research Station, Radhanpur	Sandy to Loamy	Pearl millet, Pulses, Fodder Sorghum, Castor, Mustard	450
11		Centre for Research on Seed Spices, Jagudan	Sandy Loam to Loamy	Pearl millet, Pulses, Cotton, Mustard, Castor, Fodder Sorghum, Wheat	615
12		Regional Research Station, Bhachau		Pearl millet, Cluster Bean, Green Gram, Castor, Mustard, Date Palm, Senna	300