3 Introduction

Brief history with summary of past achievements

Indian Central Cotton Committee used to sponsor cotton research schemes on an adhoc basis till the work of the committee was taken over by the ICAR in 1966. All India Coordinated Cotton Improvement Project (AICCIP) initiated by the Council in the year 1967 with headquarters at Coimbatore gave new fillip and direction in terms of multidisciplinary and multi-centre approaches with the active involvement of State Agricultural Universities. The project has contributed significantly in tackling location-specific problems in terms of varietal improvement and development of appropriate production and protection technologies. However, looking to the low level of productivity which is primarily due to the fact that the major cotton growing area is under rainfed conditions and the need for expanding the research efforts in the spheres of basic and fundamental research the **Central Institute for Cotton Research** was established at Nagpur in the year 1976 by the ICAR. The erstwhile Regional Station of IARI at Coimbatore (Tamil Nadu) became a part of CICR simultaneously to cater to the needs of southern cotton zone. In the year 1985, the IARI Regional Station at Sirsa (Haryana) was transferred to CICR as a regional centre for the northern irrigated cotton zone.

The main mission of CICR is to improve the production, productivity and profitability of cotton cultivation in different agro--ecological cotton growing zones through the development of relevant, feasible and economically viable and ecologically friendly production and protection technologies including the development of improved varieties and hybrids and promoting fundamental research.

Two hybrids viz CSHH 198 and CISAA 2 developed by CICR RS, Sirsa were released and notified by Central Varietal Release Committee for commercial cultivation in the northern cotton zone.

Intra - *hirsutum* high fibre quality hybrid (CSHH 198 *Shresth*)

CICR, Regional Station, Sirsa has developed and released an intra-*hirsutum* hybrid CSHH 198 (Shresth) in 2004 for the entire North Zone. The hybrid possesses medium maturity of 162 days and fits well in cotton – wheat rotation of the zone. This superior medium staple hybrid has high fibre strength of 23.5 g / tex and can spin on 50s counts. Yield potential of CSHH 198 has been obtained 32 quintals per hectare which is 20% higher than LHH 144. Its lint yield has been recorded as 21% and 15.8% increase over zonal checks; LHH 144 and Om Shankar respectively. The hybrid developed by the station is leaf curl resistant and tolerant to bollworms and jassids.

GMS based *desi* cotton hybrid CISAA 2

Another hybrid developed and released by this station in 2004 is a first ever GMS based *desi* hybrid CISAA 2 for the entire North Zone. This is an early maturing hybrid (160-170 days) suitable for cotton – wheat rotation of the zone. In the zonal performance this hybrid recorded up to 18.85% increase in yield over the ruling check hybrid (AAH-1). The zonal mean increase in yield more than 4 quintals/ha was recorded over existing predominant hybrid in AICCIP trials and more than 6 quintals/ha in station agronomic trials. It is moderately resistant to Fusarium wilt and at par in fibre quality properties with AAH-1. Being a GMS based hybrid it has low seed production cost and therefore, potential of wide spread among farmers.

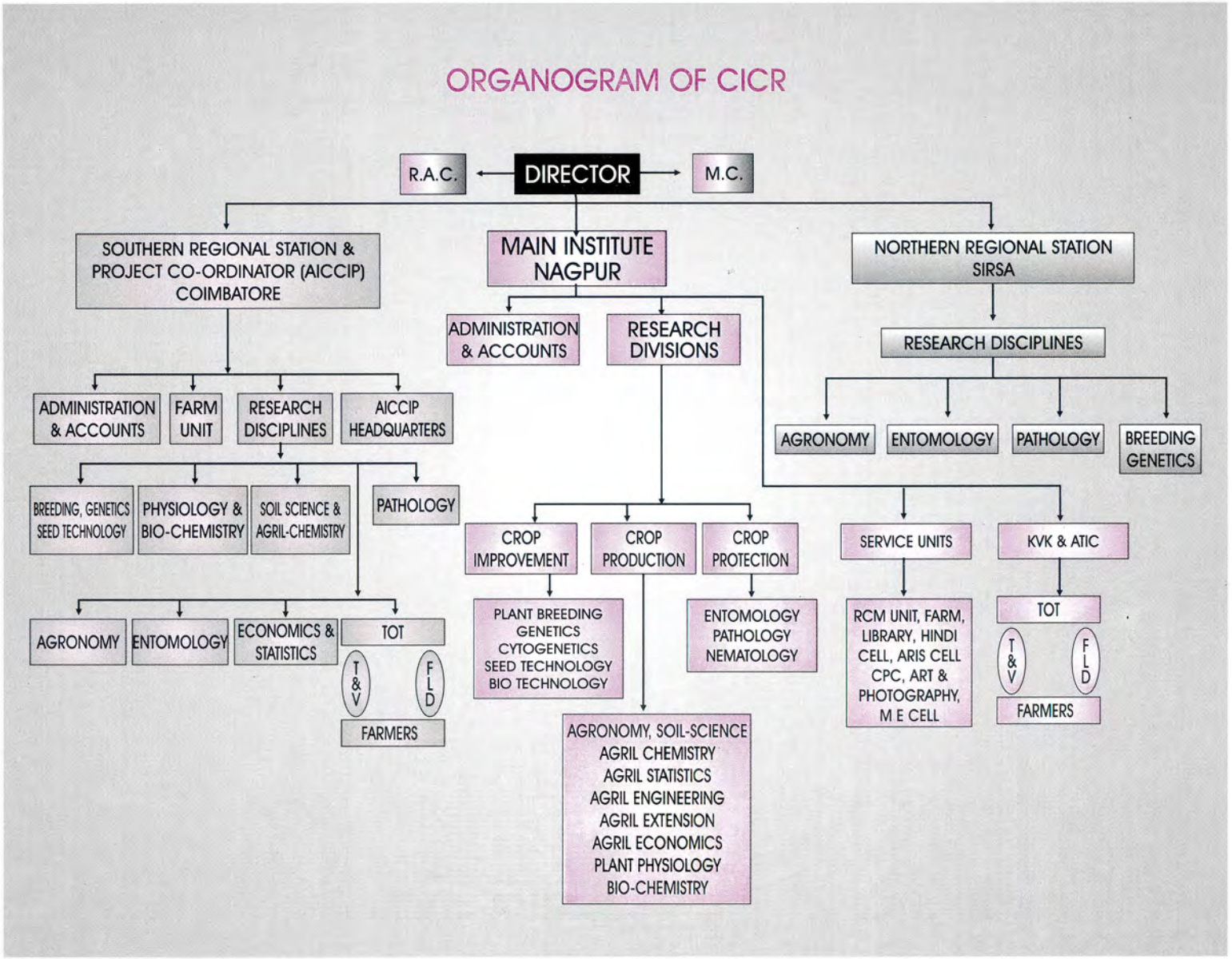
Mandate

- **To conduct basic and strategic research on cotton to improve yield, fibre quality and by-products.**
- **To create new genetic variability for location-specific adoption in cotton-based cropping systems.**
- **To assist in the transfer of modern cotton production technology to various user agencies.**
- **To extend consultancy and link with international agencies to accomplish the above mandate.**

- The following unique cultures/lines were registered with NBPGR as Indian National Genetic Resource.

Sr. No.	Name of the material/ designated material	Genera and species	Race	Registration No.	Year of Registration/ Patent	Unique characters
1.	G 135-49	*Gossypium arboreum* L.	Bengalense	INGR No. 00017	Notification date10.5.2000	Immune to all Grey mildew (*Ramularia areola* Atk.) disease isolates existing in nature at present.
2.	30805	*Gossypium arboreum* L.	Cernuum	INGR No. 00018	Notification date 10.5.2000	-do-
3.	CNO 131	*Gossypium hirsutum* L.	Latifolium	INGR No. 00010	Notification date 10.5.2000	Earliness & high seed oil content.
4.	30838	*Gossypium arboreum* L.	Cernuum	INGR No. 02020	Notification date 22.5.2002	Immune to all Grey mildew (*Ramularia areola* Atk.) disease isolates existing in nature at present.
5.	CNH 123	*Gossypium hirsutum* L.	Latifolium	INGR No. 02021	Notification date 22.5.2002	Resistant to Cotton Leaf Curl Virus (CLCuV)
6.	LRA 5166 (GMS)	*Gossypium hirsutum* L.	Latifolium	INGR No. 02012	Notification date 22.5.2002	Converted into GMS line.
7.	CINA 316	*Gossypium arboreum* L.	Bengalense	INGR No. 04079	Notification date 31.5.2004	High locule retentivity and low short fibre content

ORGANOGRAM OF CICR



3.1 Financial Statement

The budget grant and actual expenditure for the year 2004-2005 are furnished below:

Budget Sanctioned and Expenditure (Rs. in Lakhs)

Scheme	Sanctioned	Expenditure
Plan	153.00	153.00
Non-Plan	951.00	940.96
PLAN SCHEME		
NSP Crop	000.00	000.28
AICCIP	400.00	400.00
KVK Scheme	42.90	28.59
TMC Scheme	400.00	396.97
NATP Schemes	97.36	68.73
AP CESS FUND		
IQRC&P Scheme	3.63	3.43
IICBP	-	1.76
R DEPOSIT SCHEME		
NRI (ICAC/CFC/14)	22.27	21.76
EPS&C (DeNocil)	4.50	0.14
FLD in Cotton	97.69	92.37
TMC MM I (DAC)	2.91	1.12
FLD KVK	1.02	0.26
DUS Scheme	30.97	8.45
Maintenance of Breeder Seed	14.32	1.54
Incentive for Breeder Seed production	80.00	80.00
TMC MM II	170.00	165.34
Toxicity of Bt (CRY)	4.17	3.76
Bt. Resistance Monitoring (Mahyco) I	2.36	1.40
Bt. Resistance Monitoring (Mahyco) II	3.00	0.69
Indofil	2.36	0.79
Bt. Tech	14.23	0.05
Potash Test	2.00	0.44
DBT DNA	13.19	6.00
Video Film	1.05	1.05

3.2 Staff Position

Name of Post	Sanctioned Cadre Strength				Post Filled Up			
	NGP	CBE	Sirsa	Total	NGP	CBE	Sirsa	Total
Director (RMP)	1	-	-	**1**	1	-	-	**1**
P.C. & Head	-	1	-	**1**	-	1	-	**1**
Scientific	54	26	5	**85**	39	18	6	**63**
Technical	48	25	10	**83**	44	25	10	**79**
Administrative	33	11	7	**51**	30	11	7	**48**
Supporting	69	37	15	**121**	66	37	15	**118**
KRISHI VIGYAN KENDRA								
Training Organiser	1			**1**	1			**1**
Technical	8			**8**	8			**8**
Administrative	2			**2**	2			**2**
Supporting	2			**2**	1			**1**