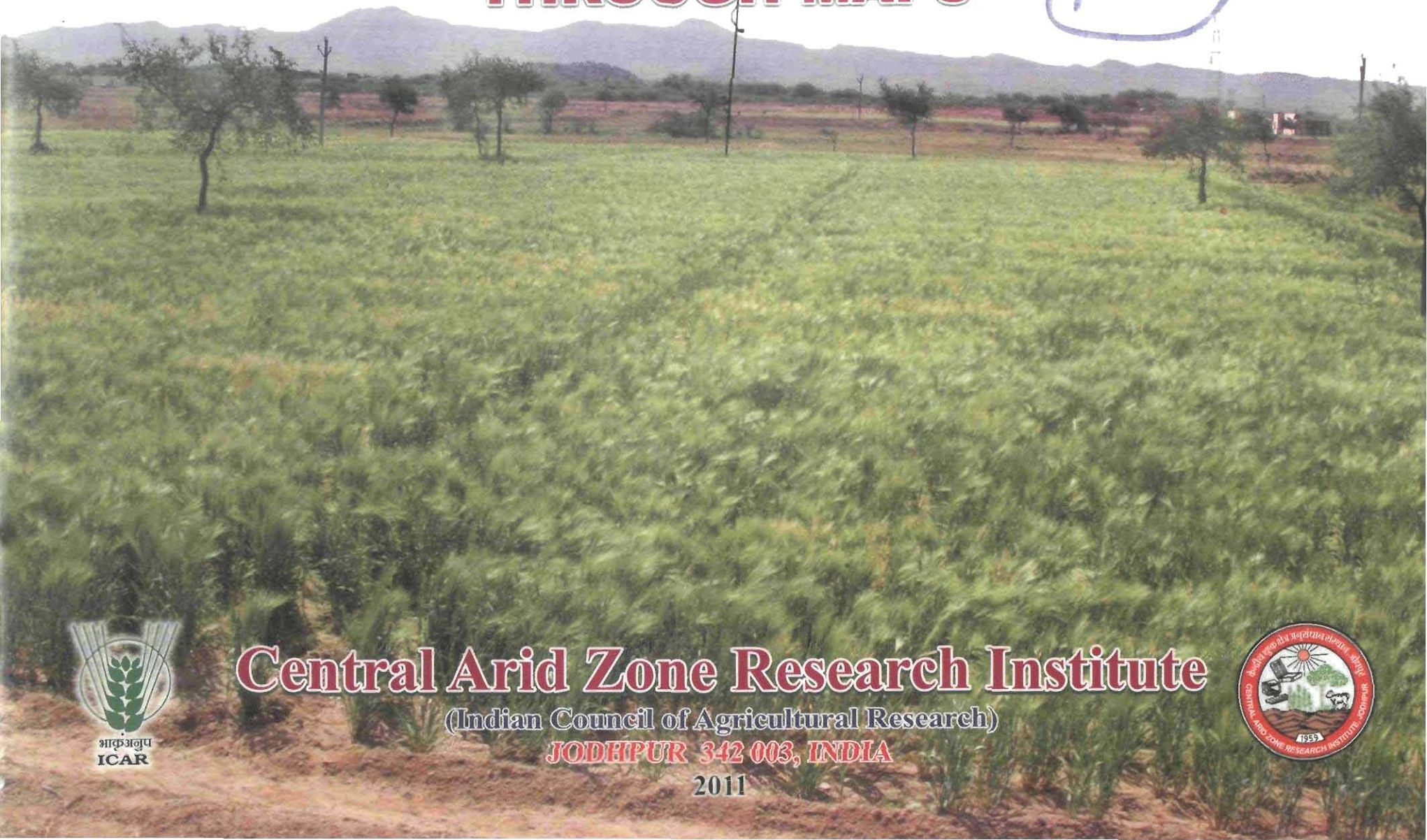


LAND USE OF CAZRI REGIONAL RESEARCH STATIONS THROUGH MAPS

129

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Central Arid Zone Research Institute

(Indian Council of Agricultural Research)

JODHPUR 342 003, INDIA

2011



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About CAZRI

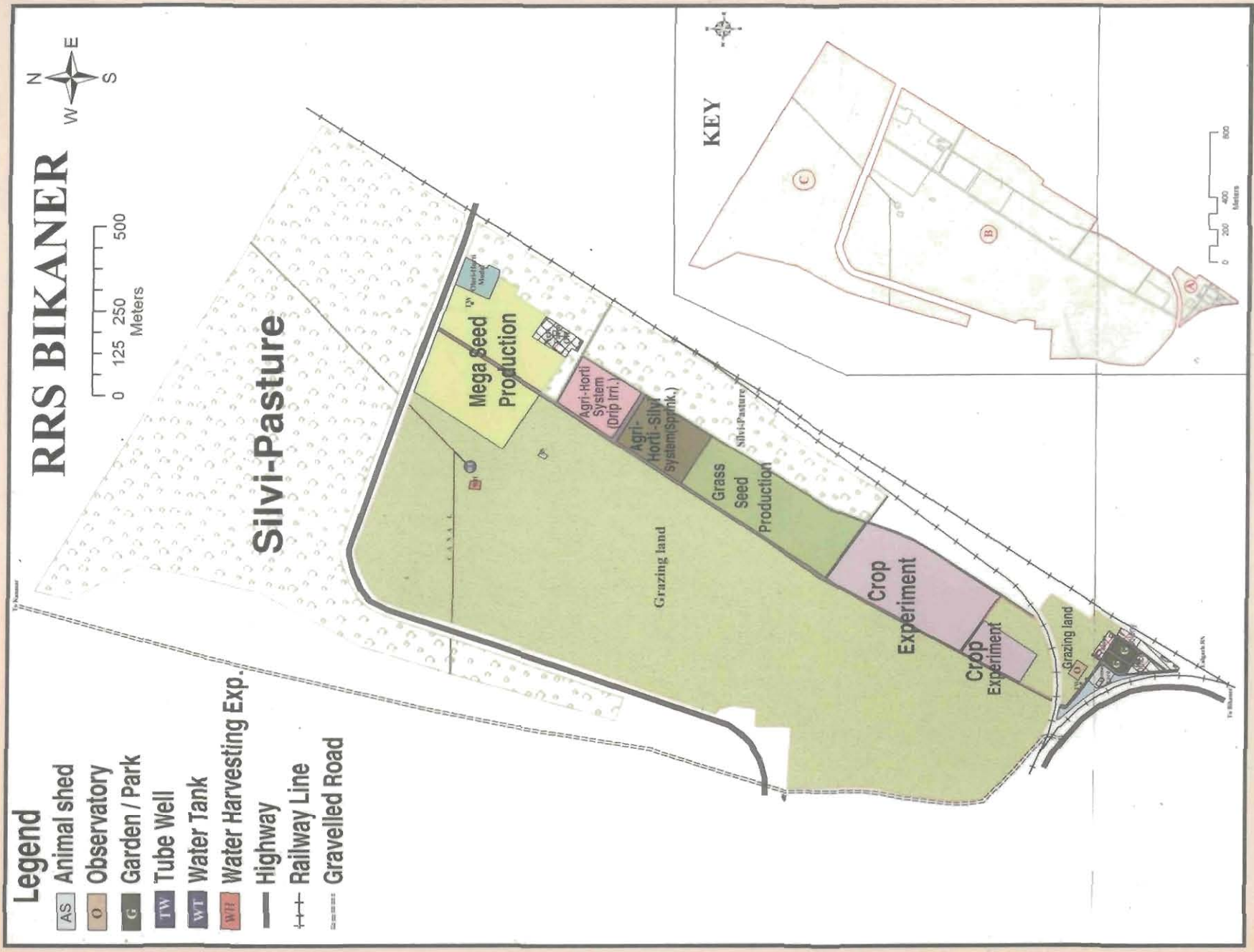
Central Arid Zone Research Institute (CAZRI) owes its origin to the Desert Afforestation Research Station, which was established in 1952 for research on stabilization of sand dunes and establishment of shelterbelts. In 1957 the Desert Afforestation Research Station was reorganized as Desert Afforestation and Soil Conservation Station. In 1959, on the advice of UNESCO, Government of India developed the Station as a full-fledged research institute for arid zone, called the Central Arid Zone Research Institute (CAZRI). In 1966 the control of CAZRI was transferred to Indian Council of Agricultural Research, New Delhi. During 1959-60 CAZRI had 51 Range Management and Soil Conservation (RMSC) areas, spread over the arid districts of Rajasthan, for development of technologies on sand dune fixation, shelterbelt plantation, afforestation, soil conservation, range improvement and grazing practices. It also had several plant nurseries for these purposes. After developing the RMSC areas and demonstrating the technologies to the stakeholders, CAZRI gradually handed over most of them to the State.

CAZRI now operates through six research Divisions at the headquarters at Jodhpur, and four Regional Research Stations (RRS) at Bikaner, Jaisalmer, Pali and Kukma-Bhuj. It has a strong multi-disciplinary research programme to seek solution to the problems in the hot arid zone of India, covering 32 million ha area in the states of Rajasthan, Gujarat, Punjab, Haryana, Karnataka and Andhra Pradesh. A research station for the cold arid zone in the Himalayas is on the anvil.

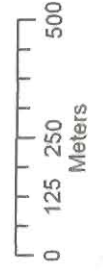
For experimentation on different kinds of agricultural and allied land use practices for improvement, and for conservation of elite and endangered germplasm, CAZRI has a 241 ha Central Research Farm at Jodhpur, 236.05 ha at RRS, Bikaner, 1031.90 ha at RRS, Jaisalmer, 454 ha at RRS, Pali, and 58.53 ha at Kukma-Bhuj. CAZRI also has five Experimental areas at Kailana (311.32 ha), Beri Ganga (262.68 ha), Bhopalgarh (51.40 ha), Jadan (76.89 ha) and Chandan (95.10 ha). This document shows through maps the major land uses at the four RRS.

Regional Research Station, Bikaner

Land use category	Percentage of total farm area
Agri-horti system (drip irrigation)	1.11
Agri-horti system (drip irrigation)	1.33
Animal hut	0.01
Animal shed	0.01
Animal yard	0.10
Building	0.94
Canal	0.12
Crop experiment	4.09
Grass seed production	3.16
Grazing land	41.40
ICAR Mega-seed production	4.46
Observatory	0.06
Oleri-hoticulture	0.34
Road	1.41
Silvi-pasture	41.31
Strip land	0.15

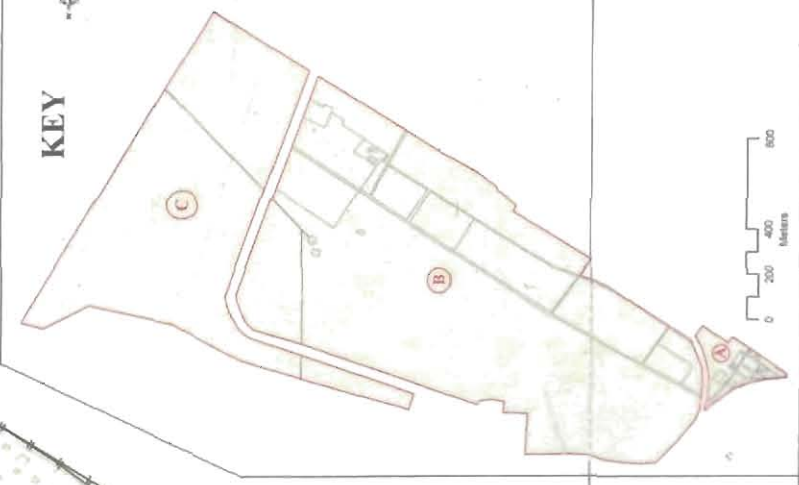


RRS BIKANER

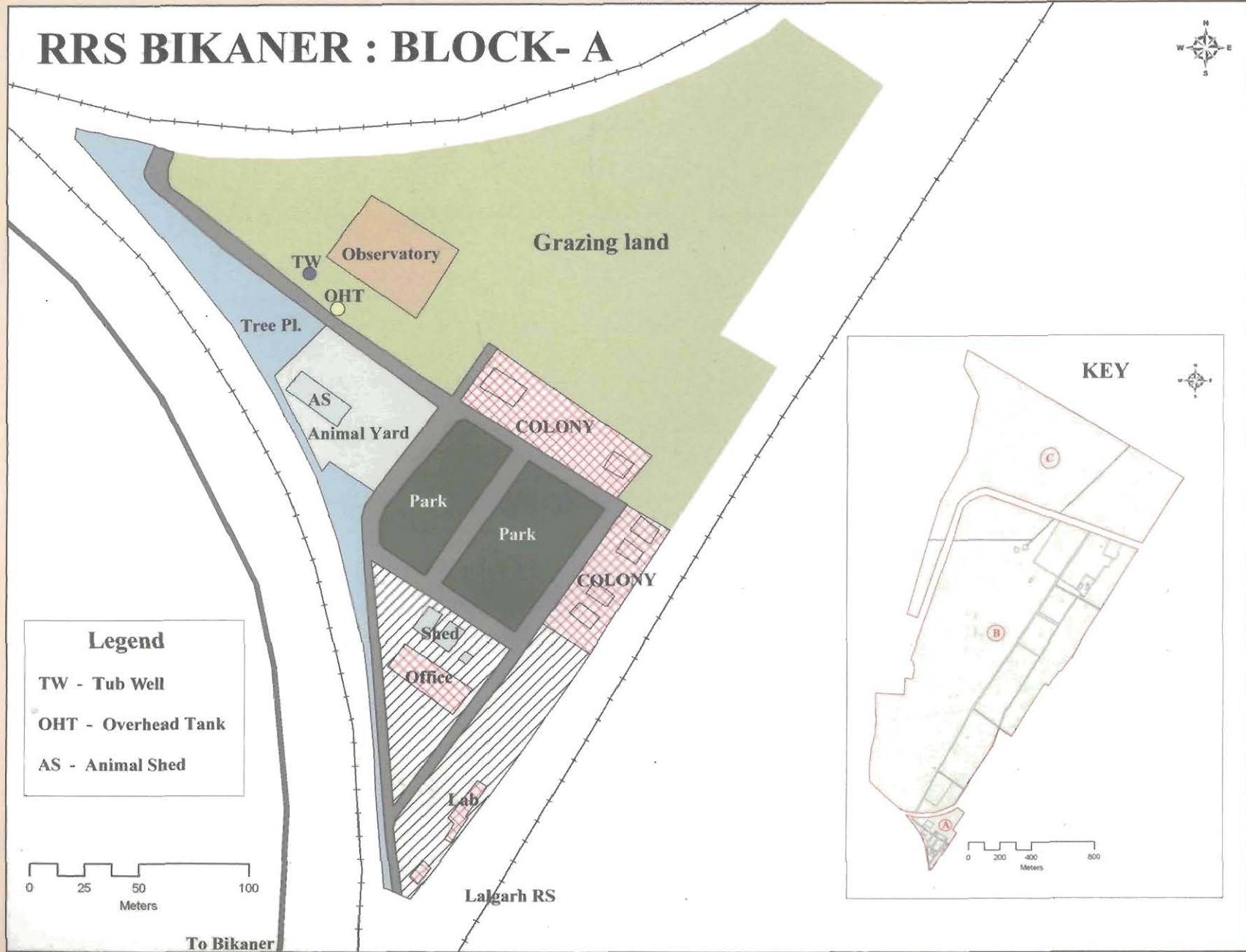


- Legend**
- AS Animal shed
 - O Observatory
 - G Garden / Park
 - TW Tube Well
 - WT Water Tank
 - WH Water Harvesting Exp.
 - Highway
 - ++ Railway Line
 - Gravelled Road

KEY



RRS BIKANER : BLOCK- A

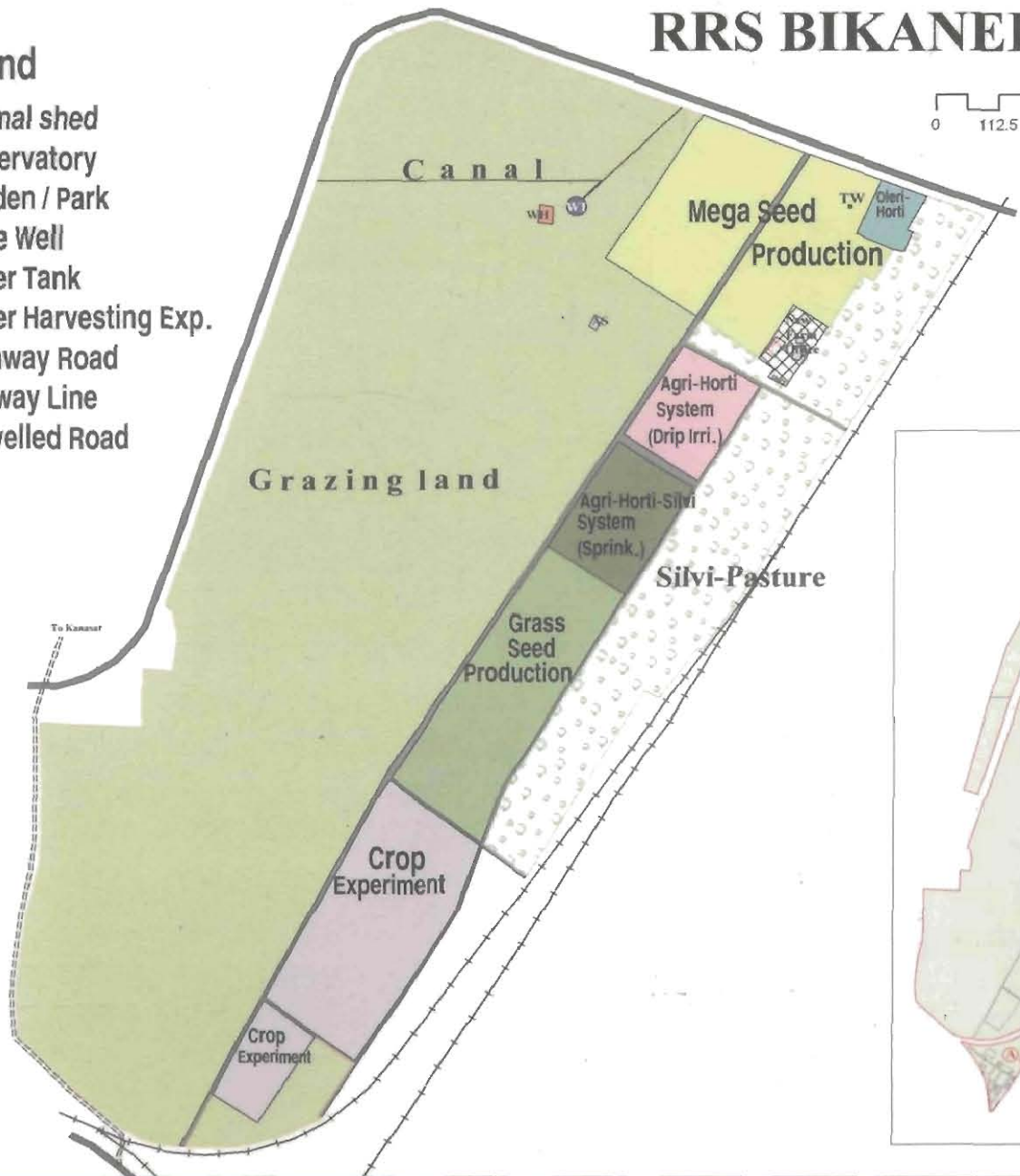
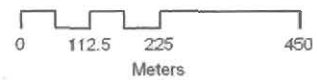




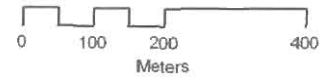
RRS BIKANER : BLOCK-B

Legend

- AS Animal shed
- O Observatory
- Garden / Park
- TW Tube Well
- WT Water Tank
- WH Water Harvesting Exp.
- Highway Road
- Railway Line
- Gravelled Road



RRS BIKANER : BLOCK-C



Silvi-Pasture

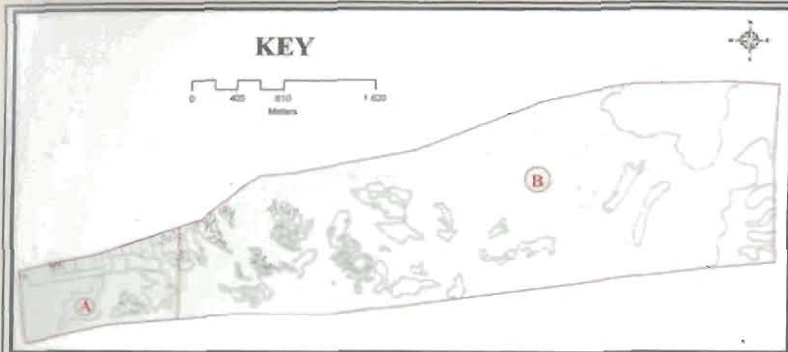
Silvi-Pasture

Legend

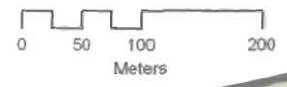
- AS Animal shed
- O Observatory
- G Garden / Park
- TW Tube Well
- WT Water Tank
- WH Water Harvesting Exp.
- Highway Road
- + + + Railway Line
- ==== Gravel Road

KEY





RRS JAISALMER



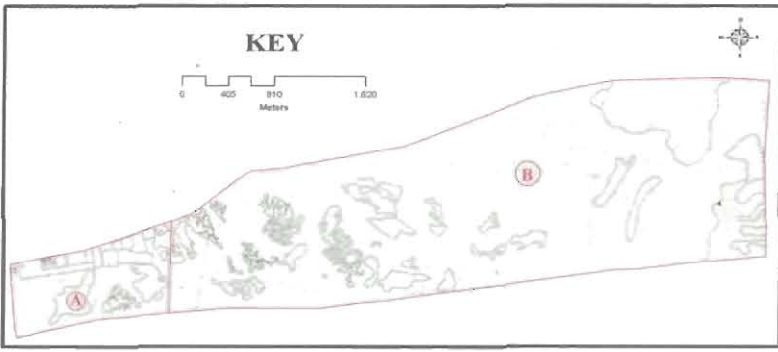
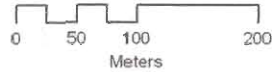
Legend

Acacia senegal pl.	Fire wood Pl.	Nursery
Animal shed	Garden	Overhead Tank
Farm Office	Grass Seed Production	Office
Farm Yard	Guggal block	Office
Switch room	Main Office	Plant Breeding
Tube Well	Medicinal Plant Block	Rangeland
Tanka	Mopane Block	Road
Tractor Shed	Office	Roadside Plantation
Acacia tortilis	Mega Seed Production	Silvi-Pasture
Sonamukhi Block	Stony/Gravelly	

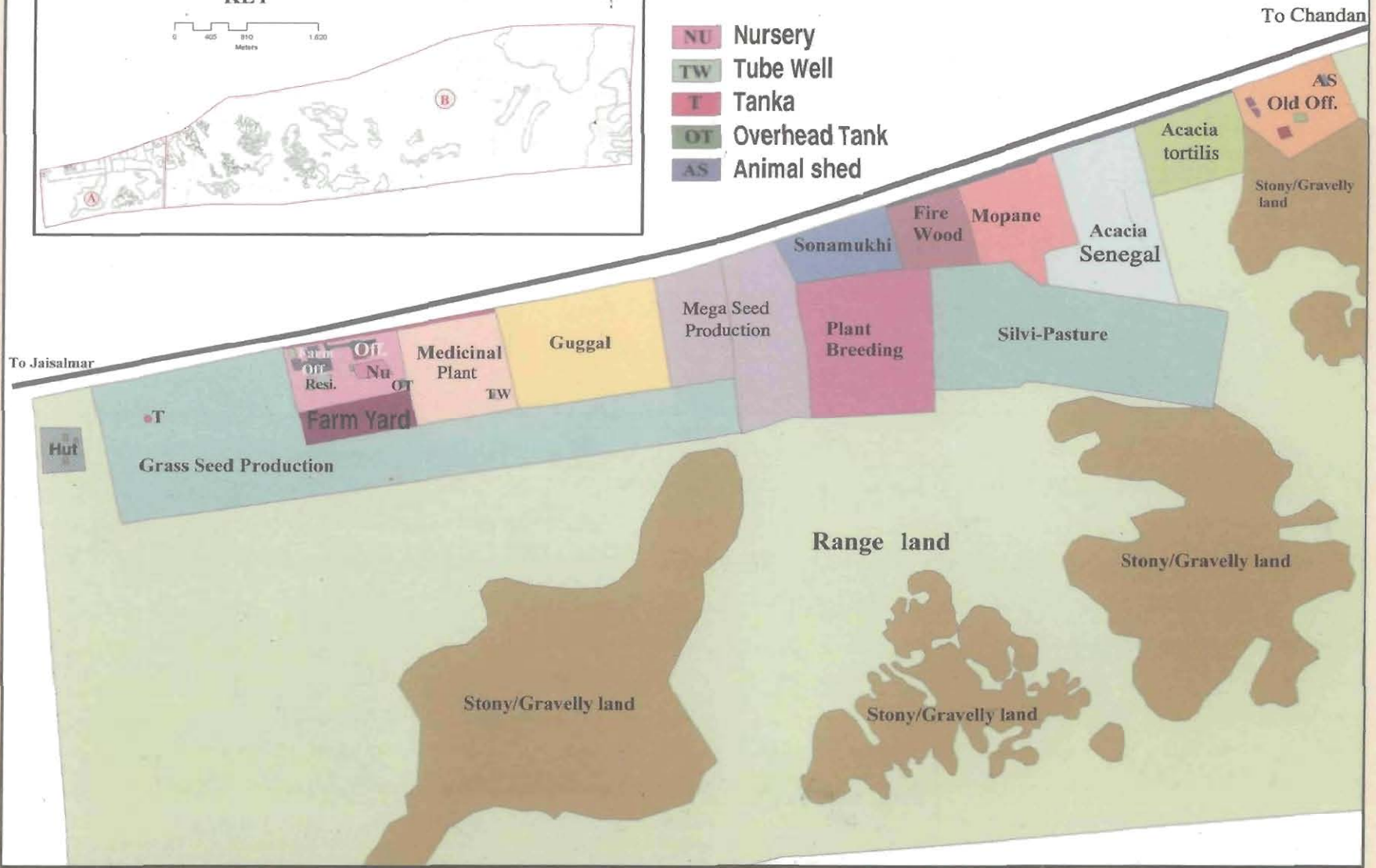
Regional Research Station, Jaisalmer

Land use category	Percentage of total farm area
<i>Acacia senegal</i> plantation	0.20
<i>Acacia tortilis</i> plantation	0.10
Animal shed	0.01
Building	0.27
<i>Colophospermum mopane</i> plantation	0.12
Firewood	0.07
Garden	0.01
Grass seed production	0.68
Guggal (<i>Commiphora wightii</i>) plantation	0.22
ICAR Mega-seed production	0.27
Medicinal plants	0.13
Plant breeding experiment	0.24
Plant nursery	0.01
Rangeland	76.71
Road	0.03
Silvi-pasture	0.41
Sonamukhi (<i>Cassia angustifolia</i>) cultivation	0.08
Stony/gravelly	20.44

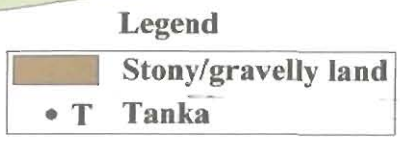
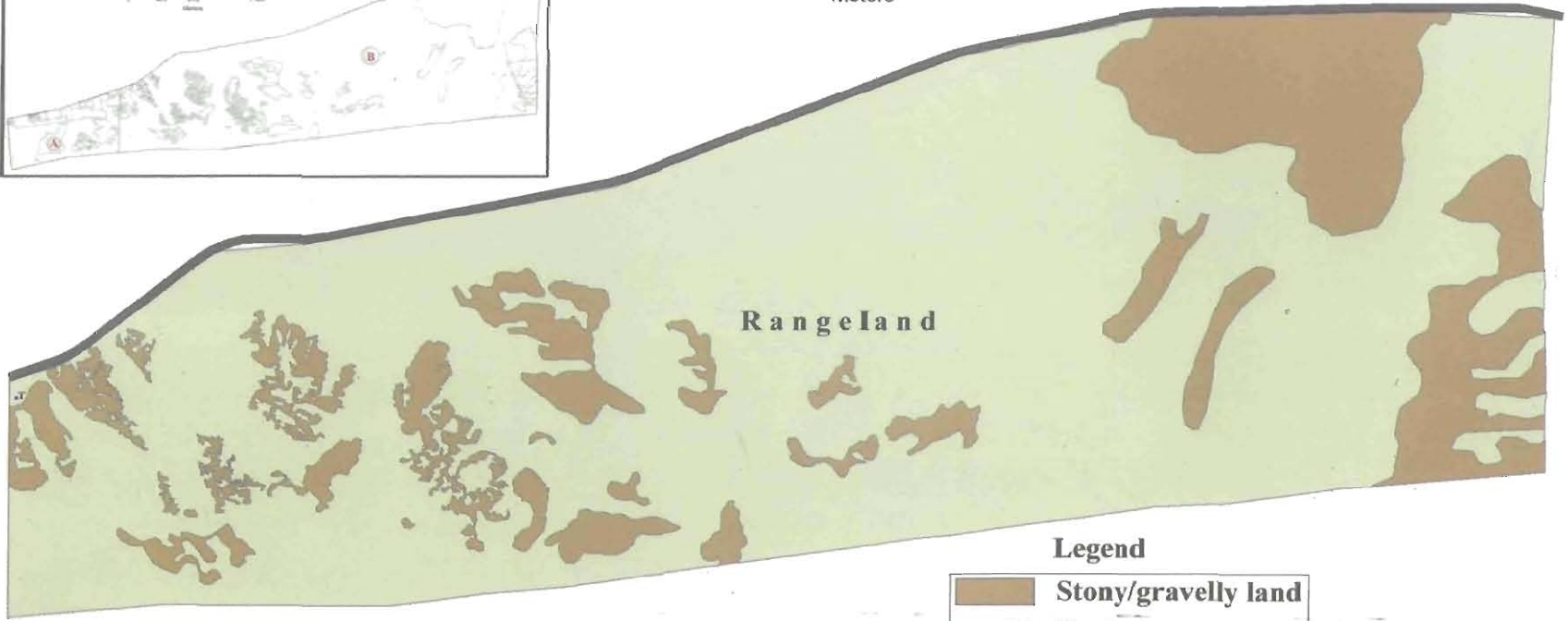
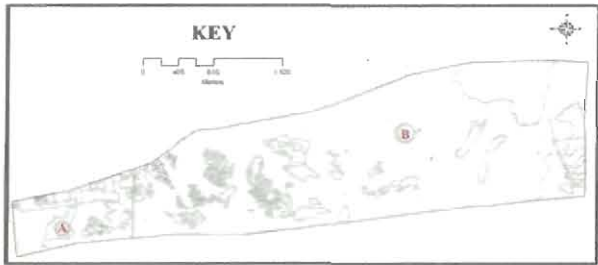
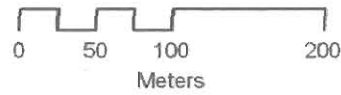
RRS JAISALMER : BLOCK - A



- NU** Nursery
- TW** Tube Well
- T** Tanka
- OT** Overhead Tank
- AS** Animal shed



RRS JAISALMER : BLOCK - B

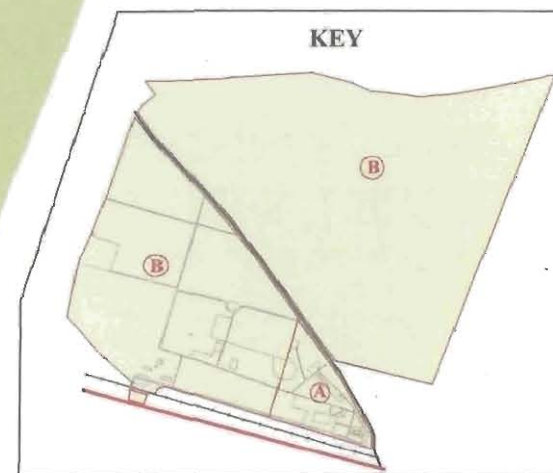
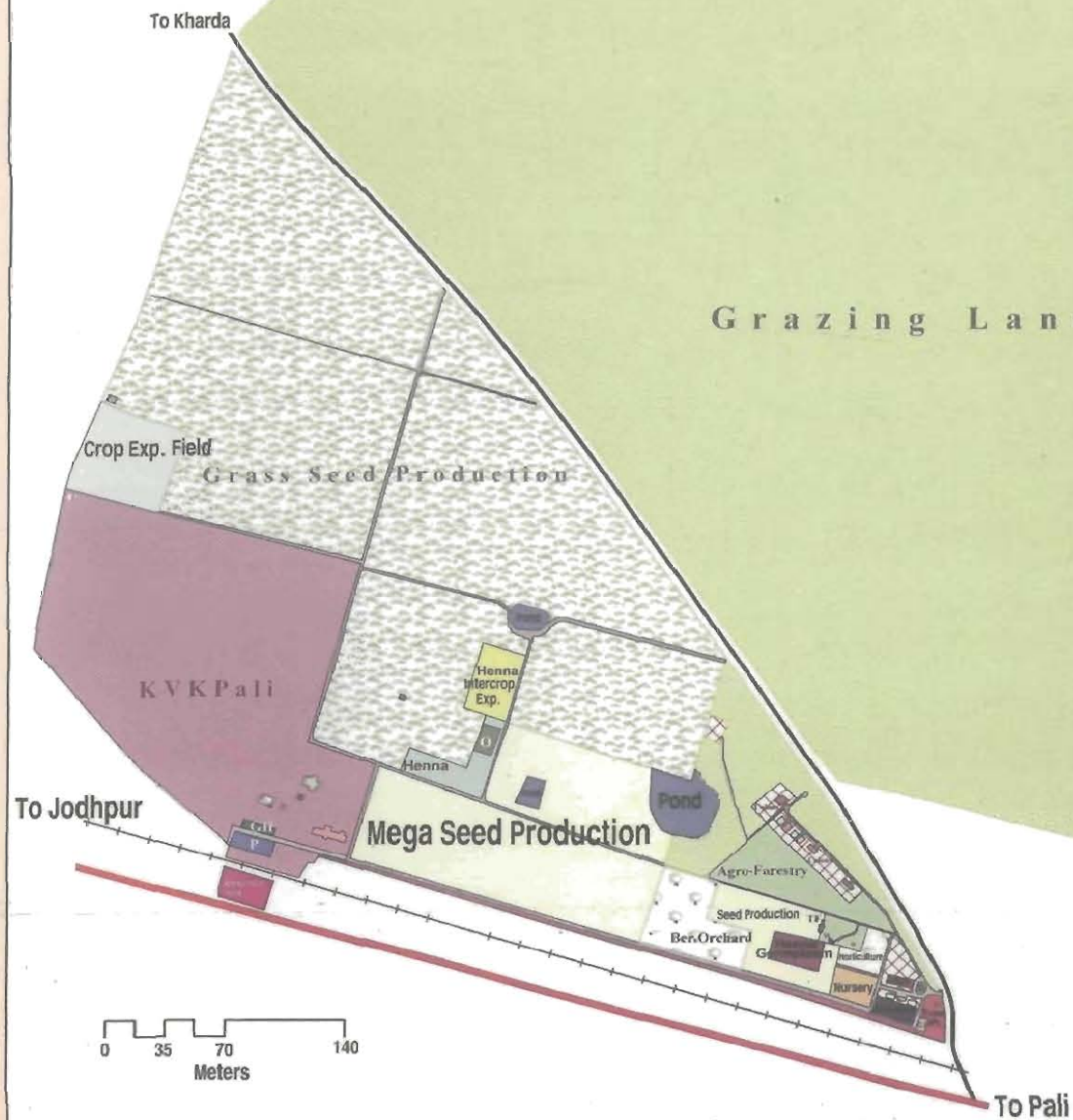


RRS PALI



Legend

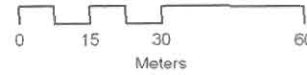
- Garden
- Observatory
- Green House
- Cattle Pond
- Thresher Floor
- Pond
- Well



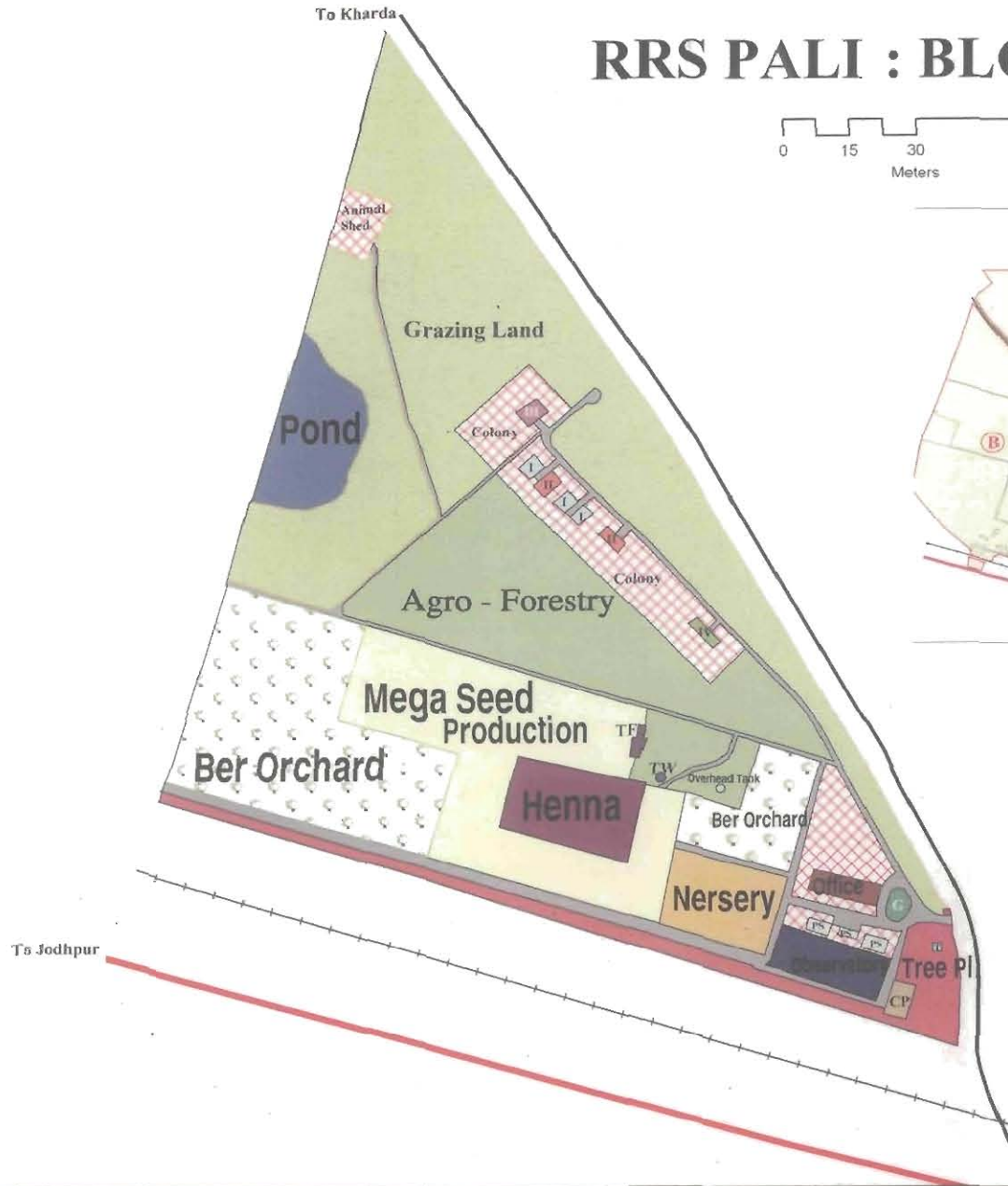
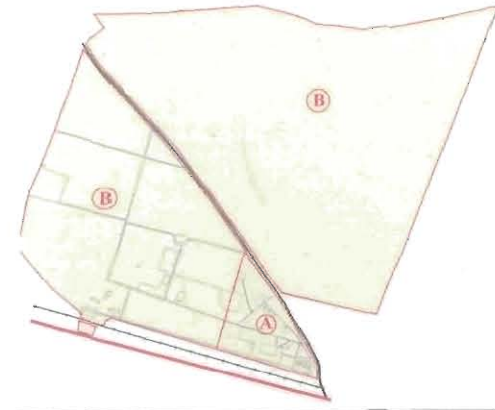
Regional Research Station, Pali

Land use category	Percentage of total farm area
Agro-forestry	0.73
Animal shed	0.04
Ber (<i>Ziziphus mauritiana</i>) plantation	0.72
Building	0.46
Crop experiments	0.79
Garden	0.01
Grass seed production	18.76
Grazing land	63.85
Henna (<i>Lawsonia inermis</i>) intercropping	0.29
Henna (<i>Lawsonia inermis</i>) plantation	0.40
ICAR Mega-seed production	4.35
Krishi Vigyan Kendra (KVK)	7.65
Nursery	0.12
Observatory	0.12
Pond	0.46
Road	0.92
Tree plantation	0.33

RRS PALI : BLOCK- A



KEY



Legend

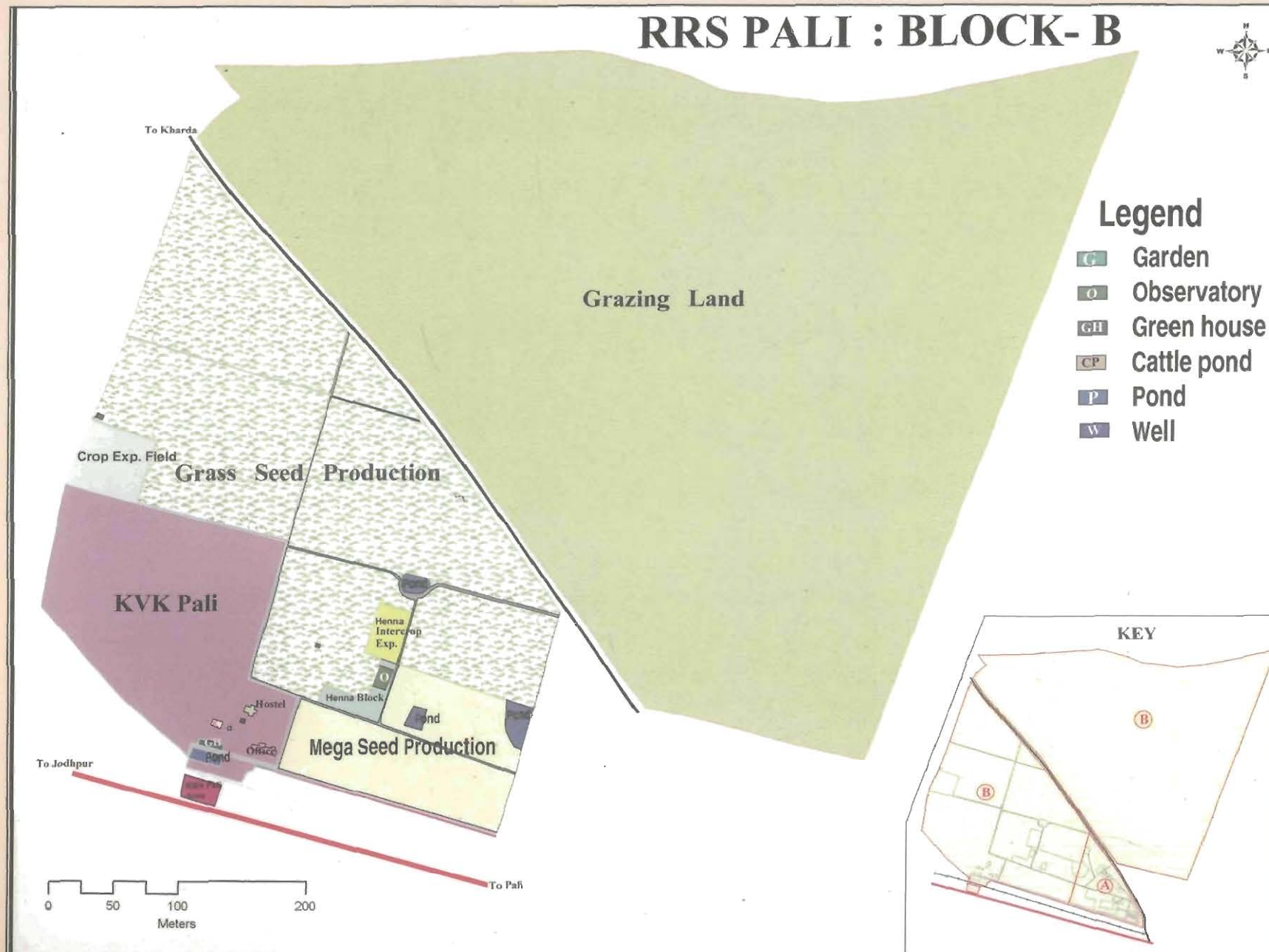
-  Garden
-  Observatory
-  Green House
-  Cattle Pond
-  Thresher Floor
-  Pond
-  Well
-  Temple
-  Parking Shed
-  Building Land
-  Tube Well

RRS PALI : BLOCK-B



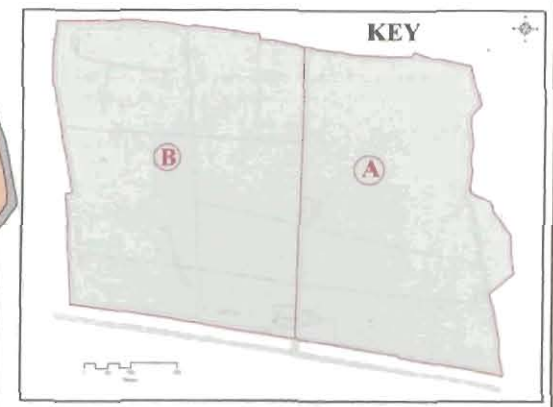
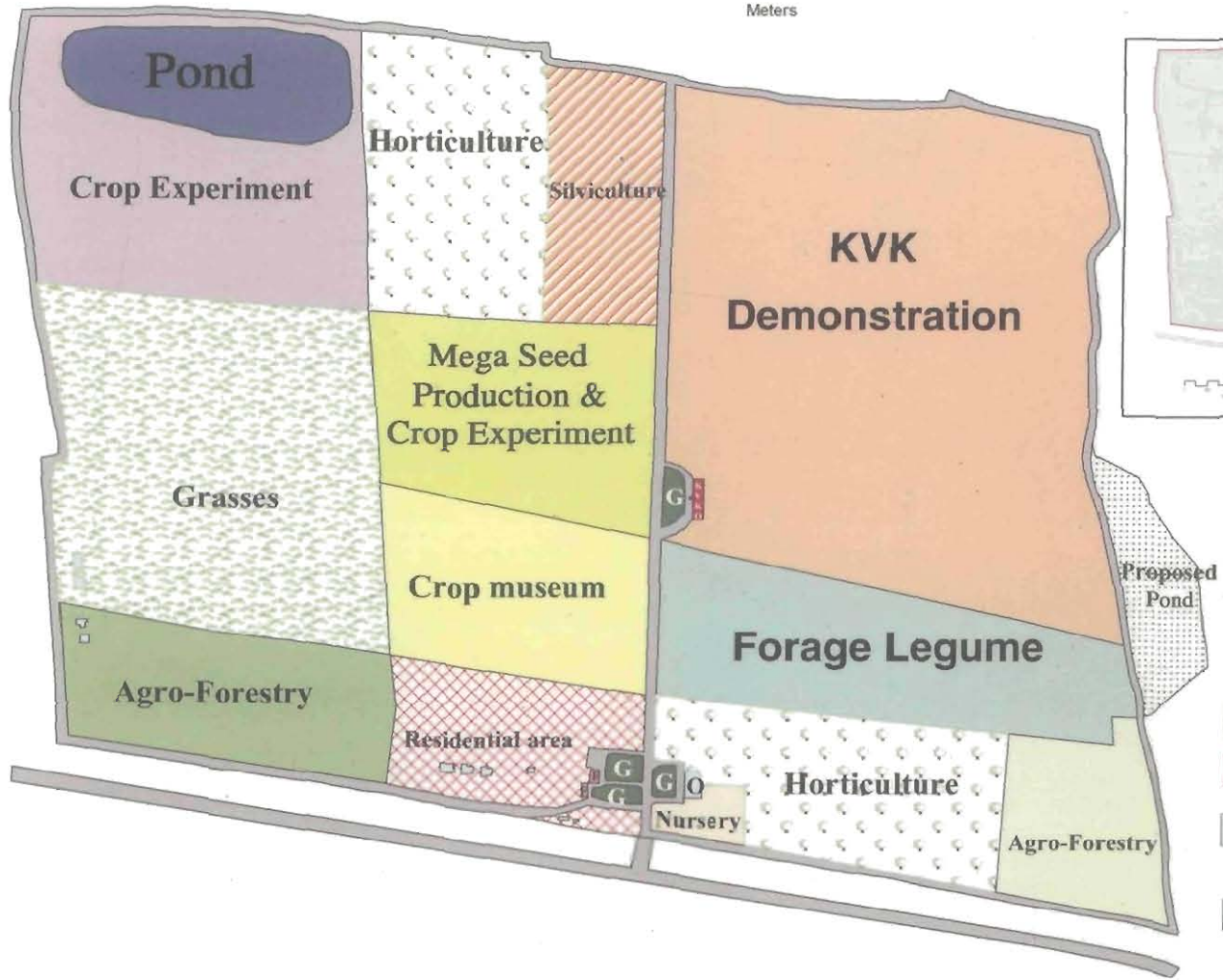
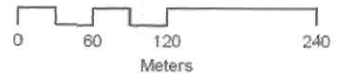
Legend

-  Garden
-  Observatory
-  Green house
-  Cattle pond
-  Pond
-  Well





RRS KUKMA (BHUJ)



Legend

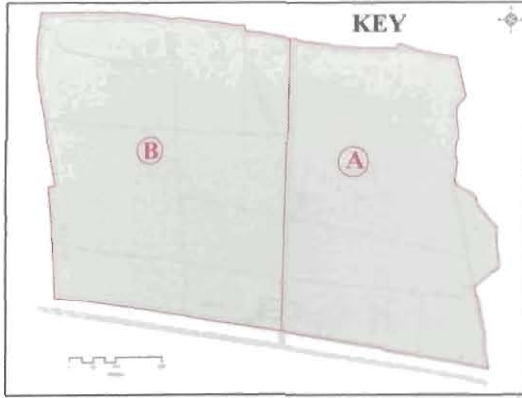
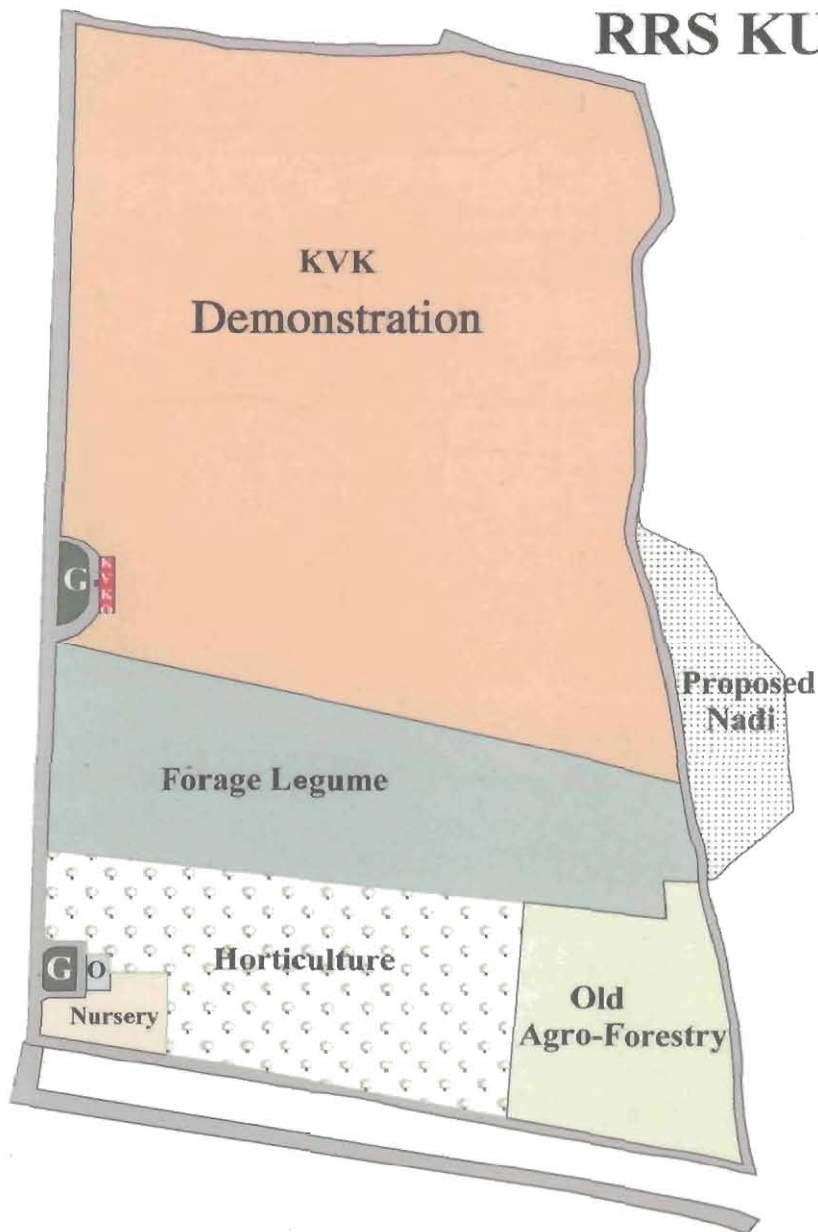
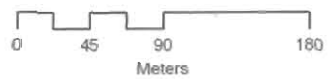
- G** Garden
- F** Farm Office
- Residential Quarter & Hut**
- O** Office

Regional Research Station, Kukma, Bhuj

Land use category	Percentage of total farm area
Agro-forestry	4.85
Building	27.58
Crop experiment	7.80
Crop museum	4.98
Forage legume	6.93
Grass production	12.36
Horticulture	10.97
ICAR Mega-seed production	6.12
Nursery	0.48
Pond	3.14
Pond (proposed)	1.78
Road	4.74
Silvi-culture	3.35

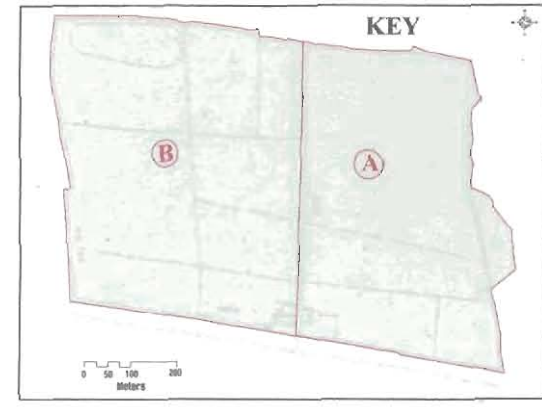
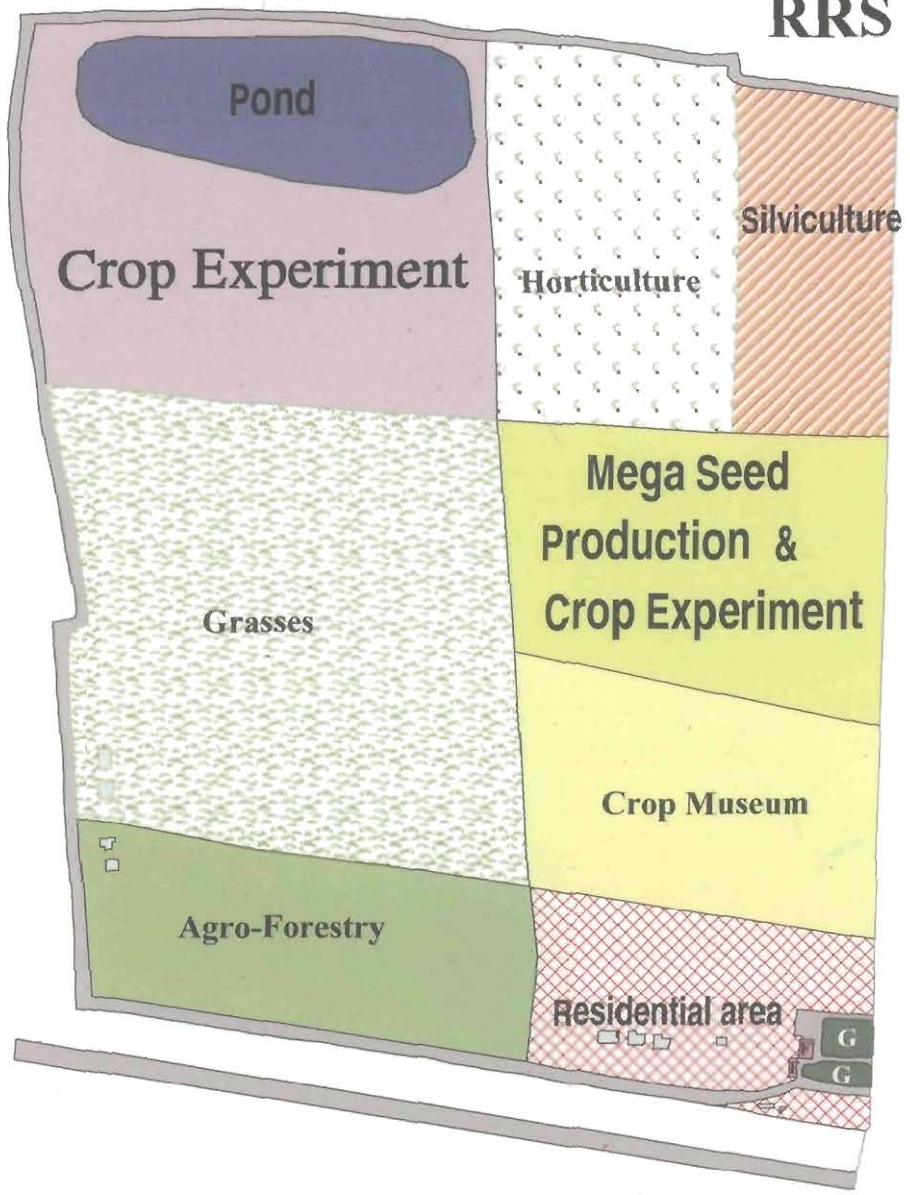
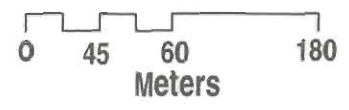


RRS KUKMA : BLOCK - A



- Legend**
- G Garden
 - O Office

RRS KUKMA : BLOCK - B



Legend

- G Garden
- F Farm Office
- Residential Quarter & Hut

Regional Research Station, Bikaner



Regional Research Station, Jaisalmer



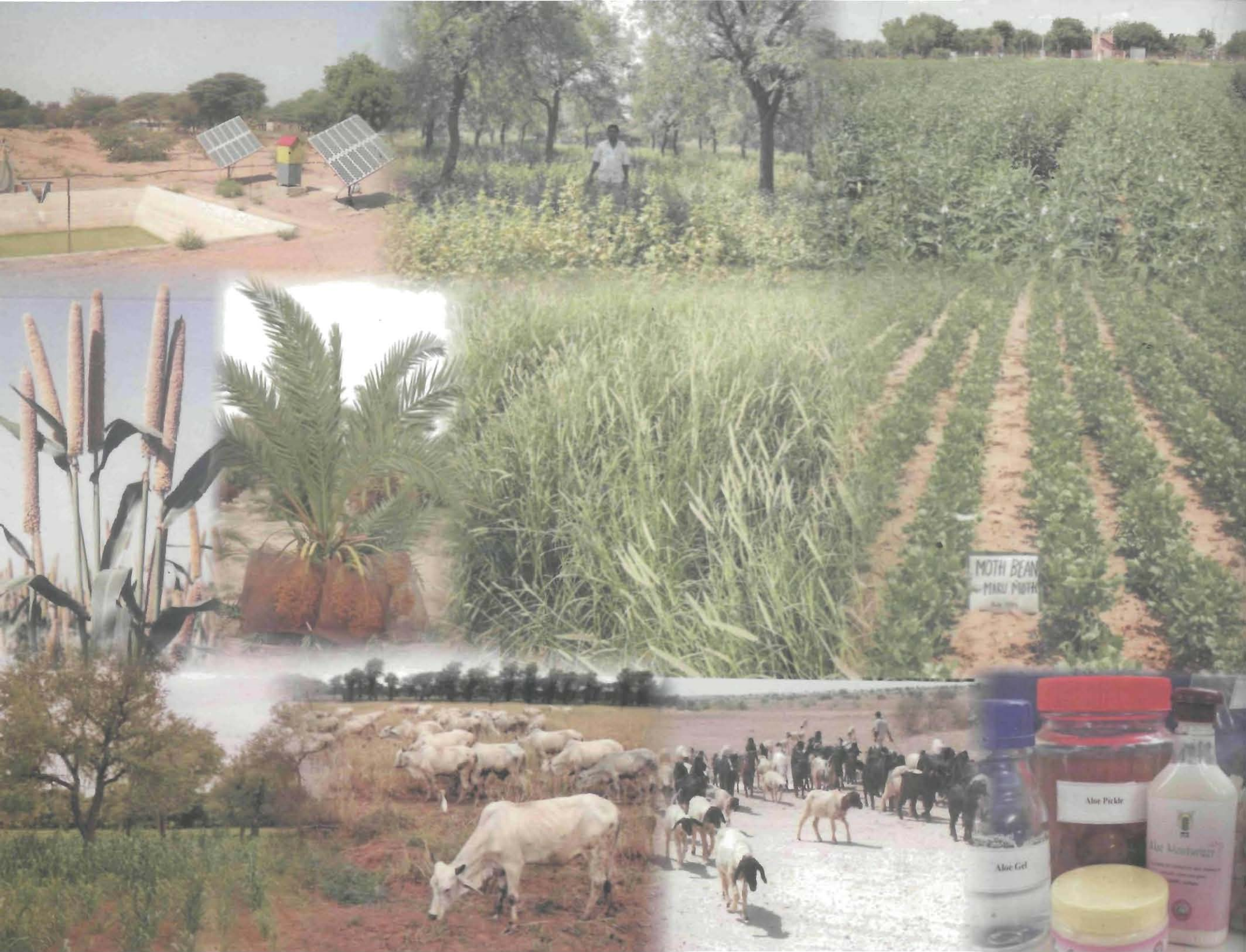
Regional Research Station, Pali



Regional Research Station, Kukma, Bhuj







MOTH BEAN
- MARI MOTH

