THE DROUGHT OF 1987

THE DROUGHT OF 1987

Response and Management

Volume 2

State Experiences

December 1989 (Pausa 1911) Printed by the Manager, Government of India Photolitho Press, Faridabad and Edited by D. C. Misra, Additional Relief Commissioner and Joint Secretary (Scarcity Relief), Ministry of Agriculture, Department of Agriculture and Co-operation, Government of India, New Delhi-110001.

ACKNOWLEDGEMENTS

The cooperation extended by the State Governments in providing the requisite material for documentation is gratefully acknowledged.

- 2. This volume, as in the case of volume 1, was edited in its entirety by Shri D.C. Misra, Additional Relief Commissioner and Joint Secretary (Scarcity Relief). He was responsible for collection of material, editing of text, tabulation, conceptualisation of graphics and general presentation.
- 3. The services rendered by Shri Deen Dayal, Deputy Secretary and Sarvashri A. R. Subbiah, K. S. Jain, Under Secretaries; Sukumar, Section Officer, and V. P. Pasricha, Research Investigator and B. K. Busar, Research Assistant of the Scarcity Relief Division, Shri Subodh Kumar of Directorate of Extension in the preperation of the manuscript, proof-reading and coordinating the printing work deserve special mention.
- 4. Sarvashri V. M. L. Saxena, C. Kapoor and S. R. Biswas of Directorate of Economics and Statistics and Shri A. K. Sharma of National Informatics Centre made substantial contribution to the graphics.

CONTENTS

Acknowledgements	(v)
List of Tables	(ix)
List of Figures	(xii)
List of Annexures	(xiv)
Acronyms and Abbreviations	(xvi)
Glossary	(xvii)
1. Gujarat	1
2. Haryana	21
3. Himachal Pradesh	25
4. Karnataka	28
5. Kerala	37
6. Madhya Pradesh	44
7. Maharashtra	56
8. Nagaland	63
9. Orissa	65
10. Punjab	74
11. Rajasthan	78
12. Tamil Nadu	101
13. Uttar Pradesh	129
14. Delhi	161
15. A Summing up of State Experiences	165
Annexures	173
Index	223

LIST OF TABLES

Table 1	Number of Villages/Towns Covered under Master Plan for Drinking Water Supply under Various Schemes in Gujarat, 1985-86 and 1986-87.	8
Table 2	Districtwise Progress of Drilling 100 mm Dia Bores in Gujarat, 1st July 1987 to 31 July, 1988.	9
Table 3	Districtwise Progress of Drilling 150 mm Dia Bores in Gujarat, 1st July 1987 to 31st July 1988.	10
Table 4	Districtwise Progress of Drilling Deep Tube wells in Gujarat, 1st July 1987 to 31st July, 1988.	10
Table 5	Number of Villages/Towns Planned/Covered under Master Plan for Drinking Water Supply under Various Schemes in Gujarat, 1987-88.	13
Table 6	Departmentwise Allocation of Central Assistance Sanctioned by GOI for Haryana for Drought Relief, 1987.	22
Table 7	Proposed Utilisation of Funds by Public Health Department for Drinking Water Supply in Haryana, 1987-88.	23
Table 8	Monthwise Assessment of Scarcity Conditions in Karnataka, 1987.	30
Table 9	Districtwise Estimated Loss in Agricultural production in Karnataka, 1987-88.	31
Table 10	Districtiwse Average Daily labour Employed in Employment Oriented works in Karnataka, 1987-88.	32
Table 11	Districtwise Manday Generated under Employment Oriented Works in Karnataka, 1987-88.	34
Table 12	Districtwise Number of Works Completed under Employment Oriented Programmes in Karnataka, 1987-88.	34
Table 13	Districtwise Physical Assets Created under Drought Relief and other Employment Oriented Programmes in Karnataka, 1987-88.	35
Table 14	Districtwise Rainfall in Kerala, 1st June to 12th August, 1987.	38
Table 15	Districtwise Rainfall in Kerala, 1st June to 19th August, 1987.	38
Table 16	Percentage Departure of Rainfall from Normal in Kerala, 1981-87.	38
Table 17	Districtwise Percentage Departure of Rainfall in Kerala, 1983-87.	40
Table 18	Districts Affected by Natural Calamities in Madhya Pradesh, 1984-85 to 1987-88.	44
Table 19	Rainfall in Madhya Pradesh, 1st June to 28th October, 1987.	46
Table 20	Tehsilwise Drought Affected Villages in Khargone District, 1987-88.	51
Table 21	Tehsilwise Population Affected in Khargone District, 1987-88.	51
Table 22	Relief Works Undertaken and Completed in Khargone District, 1987-88.	52
Table 23	Crops Covered Under Crop Insurance Scheme in Khargone District, 1987-88.	52
Table 24	Relief Works and Labour Strength under Drought Relief in Bilaspur District, October, 1987 to June 1988.	54
Table 25	Districtwise Number of <i>Talukas</i> , Villages, Population and Bovine Population Affected in Maharashtra, 1987.	58
Table 26	Drought Relief Manday, Expenditure and Central Assistance Received in Maharashtra, October, 1986 to June, 1987.	59

Table 27	Villages Covered and Expenditure Incurred on Drinking Water Supply Schemes in Maharashtra, October, 1987 to March, 1988.	60
Table 28	Villages Covered and Expenditure Incurred on Drinking Water Supply Schemes in Maharashtra, April to June 1988.	61
Table 29	Rainfall in Orissa, April to October, 1987.	65
Table 30	Number of Villages in Orissa with a Crop Loss of 50 Per Cent and Above, 1987-88.	66
Table 31	Ceiling of Expenditure Approved for Drought Relief in Orissa (First Memorandum), 1987-88.	68
Table 32	Ceiling of Expenditure Approved for Drought Relief in Orissa (Second Memorandum), 1987-88.	68
Table 33	Districtwise Allocation of Funds for Labour Intensive Works in Orissa, 1987-88.	69
Table 34	Districtwise Allotment and Expenditure of Funds under RLEGP and NREP in Orissa, 1987-88 (upto January, 1988).	70
Table 35	Districtwise Distribution of Tubewells and Allocation of Funds for Drought Affected Urban Local Bodies in Orissa, 1987-88.	70
Table 36	Districtwise Allotment of Tubewells for Rural Area in Orissa, 1987-88.	72
Table 37	Districtwise Feeding Programme for Children, Expectant and Nursing Mothers and others in Orissa, 1987-88.	73
Table 38	Districtwise Frequency of Droughts in Decending Order of Severity in Rajasthan, 1957-87.	79
Table 39	Categorywise Population for Providing employment during Drought in Rajasthan, 1987.	82
Table 40	Monthwise Manday Generated Under Drought Relief Works in Rajasthan, July 1987 to July, 1988.	86
Table 41	Soil Conservation Relief Works in Rajasthan, July, 1987 to July, 1988.	89
Table 42	Plantation Work Taken up in Jhunjhunu District during Drought of 1987-88.	99
Table 43	Monthwise Ground Water Level in Tamil Nadu 1987.	102
Table 44	Monthwise Water level in Reservoirs of Tamil Nadu 1987.	103
Table 45	Expenditure on Management of Natural Calamities in Tamil Nadu, 1966-67 to 1987-88.	107
Table 46	Districtwise Amount Allotted and Spent and Mandays Generated by Rural Development Department in Tamil Nadu, 1987-88.	108
Table 47	Districtwise Amount Spent and Mandays Generated by Directorate of Town Panchayats in Tamil Nadu, 1987-88.	110
Table 48	Districtwise Amount Spent and Mandays Generated by Directorate of Municipal Administration in Tamil Nadu, 1987-88.	111
Table 49	Districtwise Amount Spent and Mandays Generated by Agricultural Engineering Department in Tamil Nadu, 1987-88.	111
Table 50	Districtwise Amount Spent and Mandays Generated by Public Works Department (Minor Irrigation) in Tamil Nadu, 1987-88.	112
Table 51	Districtwise Amount Spent and Mandays Generated by Irrigation Department in Tamil Nadu, 1987-88.	112

Table 52	Districtwise Amount Spent and Mandays Generated by Highways and Rural Works Department in Tamil Nadu, 1987-88.	113
Table 53	Districtwise Amount Spent and Mandays Generated by Forest Department in Tamil Nadu, 1987-88.	114
Table 54	Districtwise Amount Spent and Mandays Generated by Directorate of Agriculture in Tamil Nadu, 1987-88.	116
Table 55	Districtwise Amount Spent and Mandays Generated by Directorate of Horticulture in Tamil Nadu, 1987-88.	116
Table 56	Departmentwise Labour Oriented schemes Implemented in Tamil Nadu, 1987.	118
Table 57	Amount Allotted and Spent and Physical Achievements on Drinking Water Schemes by Rural Development Department in Tamil Nadu, 1987-88.	118
Table 58	Amount Alloted and Spent and Physical Achievements on Drinking Water Schemes by Directorate of Town <i>Panchayats</i> in Tamil Nadu, 1987-88.	119
Table 59	Amount Allotted and Spent and Physical Achievements on Drinking Water Supply schemes by Directorate of Municipal Administration in Tamil Nadu, 1987-88.	119
Table 60	Schemewise Amount Allotted and Spent and Physical Achievements on Drinking Water Supply Schemes in Tamil Nadu, 1987.	120
Table 61	Rainfall in Uttar Pradesh, June-September, 1987.	129
Table 62	Yearwise Effect and Loss due to Drought in Uttar Pradesh, 1979-87.	130
Table 63	Effect of Drought on Crop Loss and Production Loss in Uttar Pradesh, 1986 and 1987.	137
Table 64	Irrigation Provided by Canals and State Tubewells in Uttar Pradesh, 1986-87 and 1987-88.	140
Table 65	Expenditure and Irrigation Potential through Private Minor Irrigation Programmes in Uttar Pradesh 1987-88.	142
Table 66	Districtwise Allotmwnt of Funds and Transformers in Uttar Pradesh, 1987-88.	144
Table 67	Rephasement Facility Granted by Apex Bank to District Co-operative Banks in Uttar Pradesh, Kharif 1987.	146
Table 68	Remissions Granted in Land Revenue, Rent and Ceilings in Uttar Pradesh 1987.	148
Table 69	Free Distribution of Foodgrains and Cloth to Destitutes in Uttar Pradesh, 1987-88.	150
Table 70	Gratuitous Relief and Funds Allocated for Drinking Water Hand Pumps and Distress <i>Taccavi</i> in Uttar Pradesh, 1987-88.	152
Table 71	Monthly Average Retail Prices of Principal Commodities During Last Three Years.	155
Table 72	Rainfall from June to September in 1986 and 1987 in Village Nagla Sarai in Agra District, Uttar Pradesh.	156
Table 73	Rainfall from June to September in 1986 and 1987 in Village Bhawanpura in Agra District, Uttar Pradesh.	159
Table 74	Rainfall in Delhi during Monsoon period from 1st June to 30th September, 1983-87.	161
Table 75	Area Under Different Crops in Delhi, 1985-86 to 1987-88.	164
Table 76	Production Under Different Crops in Delhi, 1985-86 to 1987-88.	164

LIST OF FIGURES

Figure	1:	Programme-wise Expenditure on Employment Generation in Gujarat, July, 1987 to June, 1988.	3
Figure	2:	Monthwise Build-Up of Labour Strength on Relief Works in Gujarat, July, 1987 to May, 1988.	5
Figure	3:	Monthwise Generation of Manadays on Relief Works in Gujrat, July, 1987 to June, 1988.	7
Figure	4:	Monthwise Water Supply by Tankers and HDPE Containers in Gujarat from July, 1987 to May, 1988.	11
Figure	5:	Cattle in Pinjrapoles and Cattle Camps in Gujarat, 1987-88.	15
Figure	6:	Percentage Daily Labour Employed under Employment Oriented Works in Karnataka, 1987-88.	28
Figure	7:	Percentage Distribution of Mandays Generated under Various Employment Oriented Works in Karnataka, 1987-88.	33
Figure	8:	Percentage Departure of Rainfall from Normal in Kerala, 1975-1987.	39
Figure	9:	Storage Position of Hydel Reservoirs as on 1st June and 2nd week of August in Kerala from 1982 to 1987.	41
Figure	10:	Tehsilwise Position of Rainfall in Khargone District of Madhya Pradesh, 1987-88.	49
Figure	11:	Tehsilwise Position of Rainfall in Bilaspur District of Madhya Pradesh, 1987-88.	53
Figure	12:	Districtwise Allotment of Funds under RLEGP in Orissa, 1987-88.	67
Figure	13:	Districtwise Allotment of Funds under NREP in Orissa, 1987-88.	71
Figure	14:	Monthwise Details of Labour Ceilings and Labour Engaged in Rajasthan, January 1987 to June 1988.	81
Figure	15:	Monthwise Details of Labour Ceiling and Labour Engaged in Rajasthan, July 1987 to July 1988.	85
Figure	16:	Monthwise Mandays Generated under Drought Relief in Rajasthan, July 1987 to July 1988.	87
Figure	17:	Monthwise Position of Work Sanctioned and Work Started in Rajasthan, July 1987 to July, 1988.	91
Figure	18:	Cattle in Cattle Camps in Rajasthan, 1987-88.	93
Figure	19 :	Plantation work in Jhunjhunu district in Rajasthan, 1987-88.	97
Figure	20:	Rainfall in Tamil Nadu, 1987.	105
Figure	21 :	Monthwise Ground Water Level in Tamil Nadu, 1987.	109
Figure	22 :	Water Level in Mettur Reservoir in Tamil Nadu, 1987.	115
Figure	23:	Water Level in Periyar Reservoir in Tamil Nadu, 1987.	117
Figure	24 :	Amount Spent on Labour Oriented Schemes in Tamil Nadu, 1987.	123
Figure	25 :	Amount Spent on Drinking Water Supply Scheme in Tamil Nadu, 1987.	127
Figure	26A	:Number of Districts and Population Affected due to Drought in Uttar Pradesh, 1979-1987.	131

Figure	26B	:Number of Villages Affected due to Drought in Uttar Pradesh, 1979-1987.	132
Figure	27 :	Divisionwise Population Affected due to Drought in Uttar Pradesh, 1987.	135
Figure	28:	Quantity of Fodder cut by Villagers in Forest Area in Uttar Pradesh, 1987-88.	139
Figure	29 :	Divisionwise Number of Animal treated in Uttar Pradesh, 1987-88.	141
Figure	30 :	Divisionwise Number of Animal Innoculated in Uttar Pradesh, 1987-88.	147
Figure	31	Divisionwise Distribution on Minikits for Vegetable Production in Uttar Pradesh, 1987.	149
Figure	32 :	Divisionswise Production of Potato under Drought Relief Programme in Uttar Pradesh, pre-Rabi 1982	154
Figure	33 :	Divisionwise Boring of Wells in Uttar Pradesh, 1987-88.	157
Figure	34 :	Divisionwise Allotment of Transformers in Uttar Pradesh, 1987-88.	158
Figure	35 :	A Conceptual Model of Drought Management	168

LIST OF ANNEXURES

AnnexureI	Action taken against Officers and other Staff Members in Gujarat who were Involved in Irregularities on Relief Works during October, 1986 to July, 1988.	173
Annexure II	Schemewise Villages, Nagar Panchayats and Urban Centres Supplied with Drinking Water in Gujarat, 1987-88.	173
Annexure III	Districtwise Individual Water Supply Schemes (New) Executed in Gujarat, 1987-88.	174
Annexure IV	Districtwise Individual Rural Water Supply Schemes (Rejuvenation) Executed in Gujarat, 1987-88.	174
Annexure V	Districtwise Rural Regional Water Supply Schemes (New) Executed in Gujarat, 1987-88.	175
Annexure VI	Districtwise Rural Regional Water Supply Schemes (Rejuvenation) Executed in Gujarat, 1987-88.	175
Annexure VII	Districtwise Deepening of Existing Wells in Gujarat, 1987-88.	176
Annexure VIII	Districtwise Construction of New Wells in Gujarat, 1987-88.	176
Annexure IX	Districtwise Plan and Supply of Drinking Water through Tankers in Gujarat, 1987-88.	177
Annexure X	Districtwise Nagar Panchayat Water Supply Schemes Executed in Gujarat, 1987-88.	177
Annexure XI	Citywise Water Supply Schemes Executed in Gujarat, 1987-88.	179
Annexure XII	Districtwise Number of Small and Marginal Farmers and Agricultural Labourers Affected by drought in Karnataka, 1987-88.	180
Annexure XIII	Districtwise Expenditure Incurred under Various Employment Oriented Programmes in Karnataka, 1987-88.	181
Annexure XIV	Districtwise Rural Water Supply Schemes taken up under Drought Relief Programme in Karnataka, 1987-88.	182
Annexure XV	Districtwise Urban Water Supply Schemes taken up under Drought Relief Programme in Karnataka, 1987-88.	183
Annexure XVI	Districtwise Position of Fair Price Shops (FPSs) in Karnataka, 1986-88 and Quantity of Foodgrains Distributed, 1987-88.	184
Annexure XVII	Districtwise Amount Released under Drought Relief Programme in Karnataka, 1987-88.	185
Annexure XVIII	Drought Affected Blocks in Madhya Pradesh, 1987-88.	186
Annexure XIX	Rainfall in July in Uttar Pradesh, 1979 and 1981 to 1987.	189
Annexure XX	Rainfall in August in Uttar Pradesh, 1979 and 1981 to 1987.	190
Annexure XXI	Rainfall in September in Uttar Pradesh, 1979 and 1981 to 1987.	191
Annexure XXII	Districtwise Effect and Loss due to Drought in Uttar Pradesh as on 31st October, 1987.	192
Annexure XXIII	Districtwise Expenditure and Mandy Generated in Uttar Pradesh under National Rural Employment Programme (NREP), 1987-88.	194
Annexure XXIV	Districtwise Expenditure and Manday Generated in Uttar Pradesh under Rural Landless Emoloyment Guarantee Programme (RLEGP), 1987-88.	197
Annexure XXV	Districtwise Expenditure and Mandays Generated in Uttar Pradesh under Drought Relief Works, 1987-88.	200

Annexure	XXVI	Districtwise Assets created by Public Works Department(PWD) in Uttar Pradesh under Drought Relief Programme, 1987-88.	203
Annexure	XXVII	Villages and Towns Affected by Drought and Hand Pumps Installed in Uttar Pradesh, 1987-88.	205
Annexure	XXVIII	Fodder Relief by Forest Department in Uttar Pradesh, 1987-88.	207
Annexure	XXIX	Districtwise Expenditure on Medical and Veterinary Care Treatment and Innoculation and Area Under Fodder Crops in Drought Affected Districts in Uttar Pradesh, 1987-88.	208
Annexure	XXX	Distribution of Minikits for Vegetable Production in Uttar Pradesh, 1987.	210
Annexure	XXXI	Drought Relief Programme for Growing Potato in Uttar Pradesh, Pre-Rabi, 1987.	212
Annexure	XXXII	Districtwise Expenditure on Improvement of Irrigation Facilities in Uttar Pradesh, 1987-88.	214
Annexure	XXXIII	Short and Medium Term Loans Disbursed by District Cooperative Banks in Uttar Pradesh Kharif 1987 (from 1st April to 30th September, 1987).	216
Annexure	XXXIV	Conversion of Medium Term Loans and Refinance taken from NABARD in Uttar Pradesh, Kharif, 1987.	219
Annexure	XXXV	Districtwise Number of Fair Price Shops (FPSs) in Uttar Pradesh (as on 31st October, 1988).	220

ACRONYMS AND ABBREVIATIONS

BDO : Block Development Officer

DAH : Director of Animal Husbandary

DAP : Di-Ammonium Phosphate

DC : District Collector/Deputy Commissioner

DDP : Desert Development Programme
DFCSO : District Food and Civil Supply Officer
DGSD : Director General of Supplies and Disposals

DLO : District Level Officer

DPAP : Drought Prone Area Programme EGS : Employment Guarantee Scheme FCI : Food Corporation of India

FPS : Fair Price Shop
GOI : Government of India
HDPE : High Density Poly Ethylene
HSEB : Haryana State Electricity Board

ICDS : Integrated Child Development Services

IGNP : Indira Gandhi Nahar Project

IRDP : Integrated Rural Development Programme ITDP : Intensive Tribal Development Project

LGPD: Lakh Gallon Per Day

MBO: Management By Objective

MLA: Member of Legislative Assembly

MM : Millimetre

MMB : Mate Measurement Book MP : Member of Parliament

MSTCDC: Maharashtra State Tribal Cooperative Development Corporation

NABARD: National Bank for Agriculture and Rural Development.

NGO: Non-Government Organization

NREP : National Rural Employment Programme

PDS: Public Distribution System

PWD(B&R) : Public Works Department (Buildings and Roads)
RLEGP : Rural Landless Employment Guarantee Programme

Rs. : Rupees

RTO : Regional Transport Officer SC/ST : Scheduled Caste/Scheduled Tribe

SDO: Sub-Divisional Officer

SDO(C) : Sub-Divisional Officer (Civil)

SNP : Supplementary Nutrition Programme TADP : Tribal Area Development Programme

T&P : Tools and Plants

WBNP : Wheat Based Nutrition Programme

GLOSSARY

abadi inbabited area usually in a village adidravidar oldest inhabitants in southern India

agave afibrous plant whose fibre is used for rope making. Agave contala Roxb

and Agave veracruz Mill. Also known as sisal.

annawari a system of standardising and classifying land or production of crops. The

standard is fixed at one rupee which in earlier Indian xoinage consisted of sixteen annas. The variations in the quality of land or production are

expressed in terms of annas (if paisewari)

anganwadis literally a courtyard area, aplace where pre-school children and nursing

and expectant mothers are gathered for nutrition, pre-school education and health services under Intergrated Child Development Services (ICDS)

Scheme.

anicut(s) water impounding structure(s)

arkal a variety of pea, Pisum Sativum, extensively grown in Himachal Pradesh.

atta wheat flour

bajra pearl millet, Pennisetum Typhoidum L.

beldar(s) labourer(s) usually employed by A griculture Department or Public Works

Department (PWD).

block the basic unit of development planning and administration under India's

Community Development Programme started on 2 October 1952.

budki(es)shallow dug well(s) in Maharashtrabundhara(s)water diversion structure(s) Maharashtrabund(s)low ridge(s) of soil built along field contours

bhusa wheat straw used as fodder

Collector(s) head(s) of revenue administration at district level

crore unit of counting equivalent to ten million or one hundred lakh (q.v.)

dal(s) pulse(s)

delta the triangular alluvial land at the mouth of a river

devasthanam leterally the abode of God, the sanctum sanctorum, the temple trust

administration in southern part's of India.

dhani(es) village hamlet(s) in Rajasthan

gaushala(s) literally a house for cows, a place where destitute cattle are tended bank(s) of a river or a tank or a pond usually used for bathing

girdawari book of field inspection maintained by a patwari (q.v.) in which he

records, among other things, yields of crops based on eye-estimated during

kharif (q.v.) and rabi (q.v.) seasons.

gram panchayat village panchayat (q.v.)

gram sewak village level (extension) worker gur jaggery or unrefined sugar

harijans literally children of God, the untouchable castes of earlier times who now

belong to the scheduled castes of India

hat village market

janpad a territorial administrative unit usually a district or zila (q.v.). in Madhya

Pradesh, a block (q.v.)

janpad panchayat block (q.v.) level panchayat (q.v.) in Madhya Pradesh

janpad adhyakshas chief of janpad panchayat in Madhya Pradesh

jeewan dhara literally life stream, the million well scheme launched by the Government

of India in 1988-89 for weaker sections for digging wells in their fields with

financial support from the Government

jhoola ghar literally house of swings, the place housing cradles for looking after infants

at work sites

jowar great millet or sorghum, andropogon Sorghum Brot., Sorghum Vulgare

Pers.

kandi foot-hills of the Siwaliks in Punjab khadi cloth made out of hand-spun yarn

khads small streams usually originating from hills in Himachal Pradesh

kharif the south-westerly monsoon cropping season, notably in northern India,

from July to October. The kharif crops include rice, sorghum (kharif),

bajra, maize, ragi, groundnut and cotton.

khatedari statutory revenue rights of tenants in Rajasthan enabling them to mortgage

and sell their land

khadin water impounding structure, notably in Rajasthan

keni(es) common implement(s) in Maharashtra used for formation of bunds (q.v.)

and levelling of land.

khul(s) minor irrigation structure(s), notably in Rajasthan

konkan coastal area of Maharashtra

kutcha loosely built temporary struture (cf. pucca)

lakh unit of counting equivalent to a hundred thousand; one hundred lakh make

one crore (q.v.)

lorry motor truck for transporting goods

maldhari cowherd in Gujarat

malguzari a major land-holding system under which the malguzar or revenue farmer

enjoys full proprietory rights over his land

mandali a small group of people, usually for stimulating or undertaking develop-

mental activities in rural area

mariamman Goddess in Tamil Nadu worshipped especially for Her healing powers minikit a small kit usually containing farming inputs like seeds and fertilisers

munshi(es) clerk(s) or keeper(s) of account books

murrum coarse sand

nadi(es) village water tank(s) in Rajasthan

nagar panchayat town panchayat (q.v)

Nagli finger millet, Eleusine Coracana (L) Gaertn, or ragi

Nagrik Aapurti Nigam Civil Supplies Corporation

nala(s) drain(s)

Nayab Tehsildar deputy Tehsildar (q.v.)

nistar impounded water used for irrigation, notably in Madhya Pradesh

oorani(es) community village tank(s) for drinking water purposes in Tamil Nadu
paise smallest denomination of Indian currency under decimal coinage. One

hundred paise make one rupee.

paisewari a system of expressing crop yields. The crop yield is taken as one hundred

paise and the expected yield is expressed as a fraction in terms of paise

(q.v.) (cf. annawari)

panchayat literally an assembly of five persons, the elected village council.

panchayat raj samiti (es) block (q.v.) level panchayat (q.v.) committee(s)

panchayat ghar(s) literally panchayat house, the place where panchayat (q.v.) meets (cf.

panchayat bhawan)

panchayat bhawan panchayat (q.v.) building where the panchayat meets (cf. panchayat ghar)

Pandiyan dynasty which ruled southern parts of Tamil Nadu in ancient times

village level official or accountant responsible for maintenance of land and

revenue records at village level

patwari ghar(s) official building(s) for patwari (q.v.)

paushtik ahar fortified nutritious food

pucca permanent or solidly built (cf. kutcha)

rabi the post-monsoon cropping season, notably in northern India from October

to March. The rabi crops include wheat, sorghum (rabi and gram.

rupee the Indian currency. See also paisa

rapat(s) sub-surface dam(s) in Rajasthan constructed across streams

safflower Rabi (q.v.) oilseed crop, carthamus tintorius L.

sahkar co-operation

patwari

sahkari ghar building for co-operative (cf. sahkari bhawan) sahkari bhawan building for a co-operative (cf. sahkari ghar)

sattu ready-to-eat dry food of rural northern India consisting of parched gram

and barley ground together, eaten with jaggery or salt

sarpanch chief of the panchayat (q.v.)

samba cropping season in Tamil Nadu from August to December

samiti(s) committee(s)

sirki dry reeds used for temporary roofing and partition

sukhadi ready-to-eat dry food, notably in Gujarat and Maharashtra, consisting of

wheat flour, jaggery and some oil.

taluk a revenue circle. See also tehsil.

taccavi loan advanced by district revenue authorities for agricultural purposes or

for relief in distress

tanka(s) water impounding structure(s) notably in Rajasthan for drinking water

purposes in arid area.

talab tank or pond

tehsil a revenue circle. See also taluk

Tehsildar a revenue official in-charge of a tehsil (q.v.)

toria a variety of mustard oil seeds, Cruciferae Brassice Compenstria L.
tur pigeon-pea or red gram, cajanus cajan (L) Millsp. Also known as arhar.

utpadakproducer or cultivatorvalloma small boat in keralaVidhan Sabha(State) Legislative AssemblyZaidpre-rabicropping season.Ziladistrict. See also janpad.Zila Panchayatdistrict level panchayat (q.v)