State: <u>RAJASTHAN</u>

Agriculture Contingency Plan for District: <u>AJMER</u>

	1.0 District Agriculture profile											
1.1	Agro-Climatic/Ecological Zone											
	Agro Ecological Sub Region (ICAR)	Northern I	Plain and Cer	ntral highlands in	cluding Aravallis eco s	ystem ((4.2)						
	Agro-Climatic Zone (Planning Commission)	Western d	ry region (XI	IV)								
	Agro Climatic Zone (NARP)	Transition	al plain of in	land drainage zo	ne (RA-III a)							
	List all the districts or part thereof falling under the NARP Zone	Jaipur, Aji	mer, Tonk an	d Dausa								
	Geographic coordinates of district		Latitude		tude	Altitude						
	headquarters		25°38'		73 ⁰ 5	4'	471m					
	Name and address of the concerned ZRS/ ZARS/ RARS/ RRS/ RRTTS	Zonal Agr										
	Mention the KVK located in the district	Krishi Vigyan Kendra, Tabiji, Ajmer										
1.2	Rainfall	Normal rainfall (mm)	Normal Rainy days (number)	Normal Onset (specify week	and month)	Normal Cessation (specify week and r	nonth)					
	SW monsoon (June-Sep):	551.3	22.5	4 th week of Jun	ie	2 nd week of Septem	ber					
	NE Monsoon(Oct-Dec):	17.3	1.1									
	Winter (Jan- March)	21.6	1.5		-	-						
	Summer (Apr-May)	11.6	1.3		-		-					
	Annual	601.8	26.4		-		-					

1.3	Land use pattern of the district (latest statistics) (2007- 08)	Geographical area	Cultivable area	Forest area	Land under non- agricultural use	Permanent pastures	Cultivable wasteland	Land under Misc. tree crops and groves	Barren and uncultivable land	Current fallows	Other fallows
	Area ('000 ha)	843.6	463.2	56.2	139.0	78.5	71.9	0.3	87.2	33.3	42.1

1.4	Major Soils (common names like red	Area ('000 ha)	Percent (%) of total
	sandy loam deep soils (etc.,)*		
	Medium brown loamy soils	435.8	51.7
	Medium brown loamy soils 301.7		35.8
	Red gravelly loam soils	77.5	9.2
	Deep brown sandy soils	27.3	3.2

* mention colour, depth and texture (heavy, light, sandy, loamy, clayey etc) and give vernacular name, if any, in brackets

1.5	Agricultural land use (2007-08)	Area ('000 ha)	Cropping intensity %
	Net sown area	422.0	110
	Area sown more than once	41.2	
	Gross cropped area	463.2	

Irrigation (2007-08)	Area ('000 ha)				
Net irrigated area	56.8				
Gross irrigated area	67.0				
Rainfed area	396.2				
Sources of Irrigation	Number	Area ('000 ha)	Percentage of total irrigated area		
Canals		0.5	0.8		
Tanks	0	1.2	1.9		
Open wells	201422	61.7	92.1		
Bore wells	186142	1.8	2.7		
Lift irrigation schemes	-	-	-		
Micro-irrigation		2.2			
Other sources (please specify)		1.5	2.3		
Total Irrigated Area		67.0			
Pump sets	29148				
No. of Tractors	852				
Groundwater availability and use* (Data source: State/Central Ground water Department /Board)	No. of blocks/ Tehsils	(%) area	Quality of water (specify the problem such as high levels of arsenic, fluoride, saline etc)		
Over exploited	7	-	-		
Critical	1	-	-		
Semi- critical	0	-	-		
Safe	0	-	-		
Wastewater availability and use	-	-			
Ground water quality	· 1 00 1000/	· · · · 1 70 000/ _ C _ · 700/			

1.7	Major field crops cultivated		Area ('000 ha)											
	cultivateu	Kharif				Rabi								
		Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Summer	Grand total					
	Sorghum	0.02	143.4	143.4	-	-	-	-	143.4					
	Pulses	0.0	86.7	86.7	-	-	-	-	86.7					
	Mustard	-	-	-	0.1	21.6	21.7	-	21.7					
	Gram	-	-	-	6.3	22.3	20.8	-	20.8					
	Wheat	-	-	-	16.0	0.6	16.6	-	16.6					
	Barley	-	-	-	7.1	0.8	7.9	-	7.9					
	Cotton	5.1	1.3	6.4	-	-	-	-	6.4					

1.7 Area under major field crops & horticulture (as per latest figures) (Specify year 2008-09

Horticulture crops - Fruits		Area ('000 ha)								
	Total	Irrigated	Rainfed							
Mango	0.06	0.06	-							
Guava	0.07	0.07	-							
Pomgranate	0.02	0.02	-							
Aonla	0.09	0.09	-							
Lime	0.04	0.04	-							

Horticulture crops -	Total	Irrigated	Rainfed
Vegetables			
Tomato	1.3	1.3	-
Brinjal	0.3	0.3	-
Onion	2.1	2.1	-
Tinda	0.1	0.1	-
Pea	0.1	0.1	-
Cole crops	1.4	1.4	-
Medicinal and			
Aromatic crops			
		NA	
Plantation crops			
		NA	
Eg., industrial pulpwood cr	ops etc.		
Fodder crops	Total	Irrigated	Rainfed
Total fodder crop area	-	-	-
Grazing land	-	-	-
Sericulture etc	-	-	-

1.8	Livestock			Male ('000)		Female ('000)			Total ('000)		
	Non descriptive Cattle (local low	vyielding)		-			-			295.4	
	Crossbred cattle			-			-				
	Non descriptive Buffaloes (local	low yieldi	ng)	-		-				275.6	
	Graded Buffaloes			-		-					
	Goat			-		-				602.6	
	Sheep			-		-				392.9	
	Others (Camel, Pig, Yak etc.)			-		-				26.9	
	Commercial dairy farms (Number)										
1.9	Poultry	,		No. of farms			Tota	l No. of	birds ('000)		
	Commercial			-			2112.3				
	Backyard							-			
1.10	Fisheries (Data source: Chief Planning Officer) NA										
	A. Capture										
	i) Marine (Data Source: Fisheries Department)	No. of	fishermen	Boa	ts	Net		Nets		Storage facilities (Ice plants etc.)	
	1 /			Mechanized	Non-		Mechanized	Non-	mechanized	(··· F ··· ····)	
					mechanize	d	(Trawl nets, Gill nets)	(Sho Stake	ore Seines,		
							Gin nets)	Stare	æ trap nets)		
				-NA-							
	ii) Inland (Data Source:	N	o. Farmer ow	ned ponds	No. o	f Res	servoirs		No. of vill	age tanks	
	Fisheries Department)	-									
	B. Culture										
			Water S	Spread Area (ha)		Yield (t/ha)		Production ('000 tons)			

i) Brackish water (Data Source:	-NA-
MPEDA/ Fisheries Department)	
ii) Fresh water (Data Source: Fisheries	-NA-
Department)	

1.11 Production and Productivity of major crops (Average of last 5 years: 2004, 05, 06, 07, 08; specify years)

1.11	Name of crop	ne of crop Kharif		Rabi		Summer		Total		Crop
		Production ('000 t)	Productivity (kg/ha)	residue as fodder ('000 tons)						
Major l	Field crops (Cro	ps to be identi	fied based on total	acreage)						
	Sorghum	53.0	391	-	-	-	-	52.9	391	-
	Pulses	35.4	282	-	-	-	-	35.4	282	
	Cotton	10.9 (th t.bales)	376	-	-	-	-	10.9	376	
	Wheat	-	-	52.5	2142	-	-	52.5	2142	
	Barley	-	-	17.4	2337	-	-	17.4	2337	
	Gram	-	-	7.1	494	-	-	7.1	494	
Major H	Iorticultural cro	ps (Crops to b	e identified based	on total acrea	ge)			I	•	
	Tomato	-	-	-	-	-	-	1.3	11740	-
	Brinjal	-	-	-	-	-	-	0.5	12980	
	Onion	-	-	-	-	-	-	4.0	18812	
	Tinda	-	-	-	-	-	-	0.2	11797	
	Pea	-	-	-	-	-	-	0.2	14155	

Cole crops	-	-	-	-	-	-	2.0	13008	

1.12	Sowing window for 5 major field crops (start and end of normal sowing period)	Sorghum	Cotton	Wheat	Gram	Mustard
	Kharif- Rainfed	1 st week of June to 4 th week of July	-	-	-	-
	Kharif-Irrigated	-	1 st week of June to 4 th week of July	-	-	-
	Rabi- Rainfed	-	-	-	-	1 st week of October to 4 th week of
	Rabi-Irrigated	-	-	1 st week of October- 4 th week of	1 st week of October-4 th week	-

1.13	What is the major contingency the district is prone to? (Tick mark)	Regular	Occasional	None
	Drought		-	-
	Floods	-	-	
	Cyclone	-	-	
	Hail storm	-	-	
	Heat wave	-	\checkmark	-
	Cold wave	-	\checkmark	-
	Frost		\checkmark	-
	Sea water intrusion	-	-	
	Pests and disease outbreak (specify)	-	\checkmark	-
	Others (specify)	-	-	

1.14	Include Digital maps of	Location map of district within State as Annexure I	Enclosed: Yes / No
LI LI	the district for	Mean annual rainfall as Annexure 2	Enclosed: Yes / No
		Soil map as Annexure 3	Enclosed: Yes / No



Source: NBSSLUP

2.0 Strategies for weather related contingencies

2.1 Drought

2.1.1 Rainfed situation

Condition			Suggested Contingency measures				
Early season drought (delayed onset)	Major Farming situation	Normal Crop / Cropping system	Change in crop / cropping system including variety	Agronomic measures	Remarks on Implementation		
Delay by 2 weeks (2 nd week of July)	Medium brown loamy soils	Sorghum-fallow	Sorghum-fallow	Use recommended practice of fertilizer application	Seed source 1.NSSC 2.RSSC 3.NSP		
		Cotton-fallow	Cluster bean-fallow	-do	-do		
		Green gram-fallow	No change				
		Cowpea -fallow					
	Deep brown loamy soils	Sorghum-mustard		Adopt conservation measures like mulching	Seed source 1.NSSC 2.RSSC 3.NSP		
		Urdbean-mustard	No change	-do	-do		
		Sesame-gram	No change				
		Cotton-wheat	Urdbean-fallow				
	Red gravelly loam hilly soils	Sorghum-mustard	No change	Adopt conservation measures like mulching	Seed source 1.NSSC 2.RSSC 3.NSP		
		Urd bean-mustard		-do	-do		
		Sesame-gram					
		Cotton-wheat	Urdbean-fallow				
		Urd bean-mustard	No change	-do	-do		

		Sesame-gram	No change		
		Cotton-wheat	Urd bean-fallow	_	
Condition			Sug	gested Contingency measur	es
Early season drought (delayed onset)	Major Farming situation	Normal Crop/cropping system	Change in crop/cropping system	Agronomic measures	Remarks on Implementation
Delay by 4 weeks (4 th week of July)	Medium brown loamy soils	Sorghum-Fallow	Greengram-fallow	Uprooting of weeds and using them as mulch Seed soaking with 0.1% thiourea	Seed source 1.NSSC 2.RSSC 3.NSP
		Cotton-fallow	Cowpea-fallow	-do	-do
		Green gram-fallow	No change	-do	-do
	Deep brown loamy soils	Sorghum-mustard	Urdbean-mustard	Follow conservation measures like mulching	Seed source 1.NSSC 2.RSSC 3.NSP
		Urd bean-mustard	No change	-do	-do
		Sesame-gram	Cowpea-gram		
		Cotton-wheat	Urdbean-fallow		
		Cluserbean-wheat	Urdbean-fallow		
	Red gravelly loam hilly soils	Sorghum-mustard	Urdbean-mustard	Follow conservation measures like mulch	Seed source 1.NSSC 2.RSSC 3.NSP
		Urdbean-mustard	Urdbean-mustard	-do	-do
		Sesame-gram	Cowpea-gram		
		Cotton-wheat	Urd bean-fallow		
		Cluserbean-wheat	Urdbean-fallow	1	

Condition			Suggested Contingency measures			
Early season drought	Major Farming	Normal	Change in	Agronomic measures	Remarks on	
(delayed onset)	situation	Crop/cropping system	crop/cropping system		Implementation	
	Medium brown	Sorghum-Fallow	Greengram-fallow	Uprooting of weeds & using		
Delay by 6 weeks (2 nd	loamy soils			them as mulch		
week of August)						
				Seed soaking with 0.1% thiourea		
				Use short duration varieties like		
				green gram (RMG-62,RMG-268,		
				RMG-344), Cowpea (RC-19, RC-		
				101)		
		Chuston been fellow	Courses fallow	4-		
		Cluster bean-fallow	Cowpea-fallow	-do	-	
		Cotton-fallow	Greengram-fallow	-do		
		Cow pea	Greengram-fallow	Uprooting of weeds & using		
				them as mulch		
				Seed soaking with 0.1% thiourea		
				Use short duration varieties like		
				green gram (RMG-62,RMG-268,		
				RMG-344), Cowpea (RC-19, RC-		
				101)		
	Development	Construction 1	TT-ll-ser used and	D.II.		
	Deep brown	Sorgnum-mustard	Urdbean-mustard	Follow conservation measures		
	loamy solls			like mulch		
		Urd bean-mustard	No change	Use short duration Urdbean(U-	-	
				19,RBU-7 and T-9)		
		Sesame-gram	Cowpea-gram	-		
		Cotton-wheat	Urdbean-fallow	Use short duration Urdbean(U-	4	
		Clusterhean-wheat	Urdbean-fallow	19 RBU-7 and T-9)		

Red gravelly loam	Sorghum-mustard	Urdbean-mustard	Fallow conservation measures	
hilly soils			like mulch	
			Use short duration of pulses like	
			Ose short duration of pulses like	
			Urdbean(U-19,RBU-7 and T-9)	
	Urdbean-mustard	Urd bean-mustard	Use short duration of pulses like	
			Urdbean(U-19,RBU-7 and T-9)	
	Sesame-gram	Cowpea-gram	-	
	Cotton-wheat	Urdbean-fallow	Use short duration of pulses like	
	cotton wheat		Urdbean(U-10 RBU-7 and T-0)	
	Clusterbean-wheat	Urdbean-fallow	0100can(0-19,KD0-7 and 1-9)	

Condition			Suggest	ed Contingency measures	
Early season drought (delayed onset)	Major Farming situation	Normal Crop/cropping system	Change in crop/cropping system	Agronomic measures	Remarks on Implementation
Delay by 8 weeks (4 th week of August)	Medium brown loamy soils	Sorghum-fallow	Fallow-mustard	Follow conservation measures like use of bukhar, spray of stress mitigating chemicals like thiourea etc.	Seed source 1.NSSC 2.RSSC 3.NSP
		Cluster bean-fallow	Fallow-gram	-do	-do
		Cotton-fallow	Fallow-gram		
		Cowpea -fallow	Sorghum fodder-fallow		
	Deep brown loamy soils	Sorghum-mustard	Fallow-mustard	Fallow conservation measures like mulch	Sowing of rabi crop like mustard & gram
		Urdbean-mustard	Fallow-mustard	-do	-do
		Sesame-gram	Fallow-gram		
	1	Cotton-wheat	Fallow-mustard		
		Urdbean-wheat	Fallow-gram		

Red gravelly loam hilly soils	Sorghum-mustard	Fallow-mustard	Fallow conservation measures like mulch	Sowing of rabi crop like mustard & gram
	Urdbean-mustard	Fallow-mustard	-do	-do
	Sesame-gram	Fallow-gram		
	Cotton-wheat	Fallow-mustard		
	Urdbean-wheat	Fallow-gram		

Condition			Suggeste	d Contingency measures	
Early season drought (Normal onset)	Major Farming situation	Normal Crop/cropping system	Crop management	Soil nutrient & moisture conservation measues	Remarks on Implementation
Normal onset followed by 15-20 days dry spell after sowing leading to poor germination/crop stand etc.	Medium brown loamy soils	Sorghum	Uprooting weeds and using them as mulch	Spray thiourea @ 500 ppm and hoeing & weeding to conserve the moisture	Seed source 1.NSSC 2.RSSC 3.NSP 4.Water harvesting structure can be constructed under MANREGA
		Cotton Clusterbean	-do- -do-	-do	-do
	Deep brown loamy soils	Sorghum	Uprooting weeds and using them as mulch	Spray of thiourea @ 500 ppm and hoeing & weeding to conserve the moisture	Seed source 1.NSSC 2.RSSC 3.NSP 4.Water harvesting structure can be constructed under MANREGA

	Sesamum Urdbean Cotton Pigeon pea	-do	-do	-do
Red gravelly loam hilly soils	Sorghum	Uprooting weeds and using them as mulch	Spray of thiourea @ 500 ppm and hoeing & weeding to conserve the moisture	Seed source 1.NSSC 2.RSSC 3.NSP 4.Water harvesting structure can be constructed under MANREGA
	Sesamum Urdbean Cotton Pigeon pea	-do	-do	-do

Condition				Suggested Contingency measures	
Mid season drought (long dry spell, consecutive 2 weeks rainless (>2.5 mm) period)	Major Farming situation	Normal Crop/cropping system	Crop management	Soil nutrient & moisture conservation measues	Remarks on Implementation
At vegetative stage	Medium brown loamy soils	Cotton	Removal of alternate rows	Hoeing & weeding to conserve moisture	Seed source 1.NSSC 2.RSSC 3.NSP 4.Water harvesting structure can be constructed under MANREGA
		Cowpea	-	-do-	-do-
		Sorghum	Removal of alternate rows	Hoeing & weeding to conserve moisture	
		Cluster bean	do-	-do Removal of alternate rows	
		Greengram	-	-do-	

Rainfed deep brown loamy soils	Sorghum	Renewal of alternate rows for fodder	Spray of thiourea @ 500 ppm to conserve the moisture	Seed source 1.NSSC 2.RSSC 3.NSP 4.Water harvesting structure can be constructed under MANREGA
	Urd bean	-	Hoeing and weeding	-do-
	Sesamum	•	Spray of thiourea @ 500 ppm to conserve the moisture	
	Pigeon pea		Spray of thiourea @ 500 ppm to conserve the moisture	
	Cotton		Hoeing & weeding to conserve moisture	
Red gravelly loam hilly soils	Sorghum	Renewal of alternate rows for fodder	Spray of thiourea @ 500 ppm to conserve the moisture	Seed source 1.NSSC 2.RSSC 3.NSP 4.Water harvesting structure can be constructed under MANREGA
	Sesamum		-do	-do
	Pigeon pea		-do	
	Cotton		Hoeing & weeding to conserve moisture	
	Urdbean		-do-	

Condition			Suggested Contingency measures			
Mid season	Major Farming	Normal Crop/cropping	Crop management	Soil nutrient &	Remarks on	
drought (long dry	situation	system		moisture conservation	Implementation	
spell)				measues		
	Medium brown	Greengram	Harvest fodder	Hoeing & weeding to	Do not take rabi	
At flowering/	loamy soils			conserve moisture	crops	
fruiting stage						
			1		1	
		Sorghum	-do-	-do-	-do-	
		Cluster bean				
		Cluster beam				
	Deen brown loamy	Sorahum				
	soils	Sorghum				
	50115	Sesamum	—			
		Pigeon pea				
		Cotton				
	Red gravelly loam	Sorghum				
	hilly soils					
		Sesamum				
		Pigeon pea				
		Cotton				

Condition			Suggested Contingency measures			
Terminal drought (Early withdrawal	Major Farming situation	Normal Crop/cropping system	Crop management	Rabi Crop planning	Remarks on Implementation	
of monsoon)	Medium brown loamy soils	Sorghum	Spray of stress mitigating chemicals	Do not take rabi cropping	Seed source 1.NSSC 2.RSSC 3.NSP 4.Water harvesting structure can be constructed under MANREGA	
		Cluster bean	-do	-do-	-do	
		Kharif pulses	-			
	Deep brown loamy soils	Sorghum	-			
		Sesamum	-			
		Pigeon pea				
		Cotton	-			
	Red gravelly loam hilly soils	Sorghum				
		Sesamum				
		Pigeon pea	-			
		Cotton				

2.1.2 Drought - Irrigated situation

Condition		Suggested Contingency measures			
	Major Farming	Normal Crop/cropping	Change in crop/cropping	Agronomic measures	Remarks on
	situation	system	system		Implementation
Delayed release of					
water in canals due			NA		
to low rainfall :					

Condition		Suggested Contingency measures			
	Major Farming	Normal Crop/cropping	Change in crop/cropping	Agronomic measures	Remarks on
	situation	system	system		Implementation
Limited release of					
water in canals due			NA		
to low rainfall:					

Condition			Suggested Contingency measures			
	Major Farming	Normal Crop/cropping	Change in crop/cropping	Agronomic measures	Remarks on	
	situation	system	system		Implementation	
Non release of						
water in canals						
under delayed			NA			
onset of monsoon						
in catchment						

Condition			Suggested Contingency measures			
	Major Farming	Normal Crop/cropping	Change in crop/cropping	Agronomic measures	Remarks on	
	situation	system	system		Implementation	
Lack of inflows	Tank bed	Fallow-Mustard				
into tanks due to						
insufficient		Fallow-Gram				
/delayed onset of		Fallow-Linseed		TT		
monsoon		Fallow-Mustard-Watermelon	No Change	Use moisture		
				conservation techniques		
		Fallow-Mustard-Muskmelon]			
		Fallow-Gram-Cucurbits]			

Condition			Suggested Contingency measures		
	Major Farming situation	Normal Crop/cropping system	Change in crop/cropping system	Agronomic measures	Remarks on Implementation
Insufficient groundwater recharge due to low rainfall	Irrigated Coarse textured soils	Clusterbean-wheat	Greengram-Mustard	Use recommended practices for fertilizer and weed control	
		Groundnut-wheat	Cowpea-Mustard	-do-	
		Cluster bean-barley	Clusterbean-gram	-do-	
	Irrigated medium textured soils	Cotton-wheat	Pearlmillet-barley	-do-	
		Groundnut-wheat	Greengram-Mustard	-do-	
		Sorghum-mustard	Urdbean-Mustard	-do-	
Any other condition (specify)	Brackish Irrigation water areas	Fallow-barley	Fallow-Fallow	Seed treatment with 0.1% Nacl	
		Fallow-wheat	Fallow-Fallow	-do-	

2.2 Unusual rains (untimely, unseasonal etc) (for both rainfed and irrigated situations)

Condition	Suggested contingency measure				
Continuous high rainfall in a short span leading to water logging	Vegetative stage	Flowering stage	Crop maturity stage	Post harvest	
Pearlmillet	Drain out Excess water				
Groundnut					
Sorghum					
Kharif Pulses					
Maize					
Horticulture					
Tomato	Drain out Excess water				
Brinjal					
Pea	1				
Carrot					

Radish	
Heavy rainfall with high speed winds in a short span	-NA -

2.4 Extreme events: Heat wave / Cold wave/Frost/ Hailstorm /Cyclone

Extreme event type	Suggested contingency measure				
	Seedling / nursery stage	Vegetative stage	Reproductive stage	At harvest	
Heat Wave					
Wheat	-	-	Frequent irrigation & spray of Thiourea @500 ppm		
Barley	-		-do-		
Gram	-		-do-		
Horticulture	-				
Tomato	-	-	Frequent irrigation	Tomato	
Brinjal	-	-		Brinjal	
Pea	-	-		Pea	
Cold wave					
Mustard	-	Light irrigation, Spray of 0.1 % H ₂ SO ₄	Light irrigation, Spray of $0.1 \% H_2 SO_4$		
Pea		-do-	-do-		
Gram		-do-	-do-		
Wheat		-do-	-do-		
Barley		-do-	-do-		

Horticulture				
Tomato		Light irrigation, Spray of 0.1 % H ₂ SO ₄	Light irrigation, Spray of 0.1 % $H_2 SO_4$	
Brinjal		-do-	-do-	
Pea		-do-	-do-	
Frost				
Mustard	-	Light irrigation, Spray of 0.1 % H ₂ SO ₄	Light irrigation, Spray of $0.1 \% H_2 SO_4$	
Pea	-	-do-	-do-	
Gram	-	-do-	-do-	
Wheat	-	-do-	-do-	
Barley	-	-do-	-do-	
Horticulture				
Tomato	-	Light irrigation, Spray of 0.1 % H ₂ SO ₄	Light irrigation, Spray of $0.1 \% H_2 SO_4$	Tomato
Brinjal	-	-do-	-do-	Brinjal
Pea	-	-do-	-do-	Pea

2.5 Contingent strategies for Livestock, Poultry & Fisheries

2.5.1 Livestock

	Suggested contingency measures			
	Before the event	During the event	After the event	
Drought				
Feed and fodder availability	Provide Enough feed & fodder	Provide sufficient feed & fodder along with mineral mixture	Provide sufficient feed & fodder along with mineral mixture	
Drinking water	Enough water for drinking	Provide sufficient water along with mineral mixture	Provide sufficient water along with mineral mixture	
Health and disease management	-	Vaccinate against contagious diseases	Vaccinate against contagious diseases	
Floods	NA			
Feed and fodder availability				
Drinking water				
Health and disease management				
Cyclone				
Feed and fodder availability				
Drinking water				
Health and disease management				
Heat wave and cold wave				

Shelter/environment management		
Health and disease management		

^s based on forewarning wherever available

2.5.2 Poultry

	Suggested contingency measures			Convergence/linkages with ongoing programs, if any
	Before the event	During the event	After the event	
Drought				
Shortage of feed ingredients	Provide Enough feed	Provide sufficient feed along with mineral mixture	Provide sufficient feed along with mineral mixture	Provide Enough feed
	Enough water for drinking	Provide sufficient water along with	Provide sufficient water along with mineral mixture	Enough water for drinking
Drinking water		mineral mixture		
Health and disease management	-	Vaccinate against contagious diseases	Vaccinate against contagious diseases	-
Floods			NA	
Shortage of feed ingredients				
Drinking water				
Health and disease management				
Cyclone			NA	
Shortage of feed ingredients	-	-	-	-

Drinking water	-	-	-	-
Health and disease management	-	-	-	-
Heat wave and cold wave				
Shelter/environment management	Normal condition	Cover the shelter from north side/west side and use heaters/coolers	Normal condition	Normal condition
Health and disease management	Normal condition	Vaccinate against diseases	Normal condition	Normal condition

^a based on forewarning wherever available