

705. SSAP Data

Format-1		
Annexure 4.2.2.1 Basic State Livestock population statistics		

Narwana

	Census 2020	Census 2012
Cattle		
Buffalo		
Sheep		
Goat		
Pigs		
Pigs		
Mithun		
Yak		
Camel		
Donkey/Horse/Mules		
Others		

Format-2		
Annexure 4.2.2.2. District wise livestock population statistics		

Distt. Jind

	Census 2020	Census 2012
Cattle		
Buffalo		
Sheep		
Goat		
Pigs		
Pigs		
Mithun		
Yak		
Camel		
Donkey/Horse/Mules		
Others		

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Format-3		
Annexure 4.2.2.3 State dairy farm number statistics		

Narwana

Dairy type/Number of animals	Numbers						
	1982	1992	1997	2003	2007	2012	2017
Cattle dairy farm							
Buffalo dairy farm							
Milch animals farm							
Other animals farm							
Total animals farm							

Format-4		
Annexure 4.2.2.4. District wise dairy number statistics of Current Year 2019-20		

Jind

Dairy type/Number of animals	Numbers						
	Only 2019-20						
Cattle dairy farm							
Buffalo dairy farm							
Milch animals farm							
Other animals farm							
Total animals farm							

Format-5		
Annexure 4.2.2.5. Basic Poultry number Statistics v (As per livestock census)		

Narwana

Species (No.)	Numbers in thousands					
		1997	2003	2007	2012	2017
Layers						
Broilers						
Backyard Poultry						
Ducks						
Turkey						
Emu						
Ginny Fowl						

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Other Birds						
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Jind

Format-6		
Annexure 4.2.2.6. District wise infrastructure and Birds Population		
Parameters	Units	District. Jind
Poultry Farms		
Capacity of farms		
Farms which are fully mechanized for watering and feeding		
Total number of hatchery		
Capacity of Hatchery		
Number of feed plants		
Number of poultry waste recycling units		
Birds (No.)		
Layers		
Broilers		
Backyard Poultry		
Ducks		
Turkey		
Other Birds		

Format-7							
Annexure 4.2.2.7 State poultry farm and birds number statistics							
Poultry farm/Poultry bird	Numbers						
	1982	1992	1997	2003	2007	2012	2017
Number of Poultry Farmers							
Poultry farms							
Number of Poultry Birds							
Layers							
Broilers							

Format 8	District wise poultry farm and birds number statistics of Current Year
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Poultry farm/Poultry bird	Numbers
	District. Jind
Number of Poultry Farmers	
Number of Total Poultry Birds	
Number of Poultry Layers	
Number of Poultry Broilers	

Format 9							
Annexure 4.2.2.9. State milk plants number statistics HLDB							
Milk plants	Numbers						
	1982	1992	1997	2003	2007	2012	2017
Less than 1 Lakh/ Day							
1-5 Lakh / Day							
> 5 lakh litres/ day							
Total milk pants							

Format-10							
Annexure 4.2.2.10. District wise milk plant number statistics HLDB							
Milk plants	Numbers						
	Jind						
Less than 1 Lakh/ Day							
1-5 Lakh / Day							
> 5 lakh litres/ day							
Total milk pants							

Format-11							
Annexure 4.2.2.11. State Abattoir number statistics							
Number and type of abattoir	Numbers						
	1982	1992	1997	2003	2007	2012	2017
Total number							
Sheep/goat							

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Buffalo/cattle						
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Format-12					
Annexure 4.2.2.12. District wise Abattoir number statistics					
Number and type of abattoir	Numbers				
	District. Jind	District.2	Dist.3		
Total number					
Sheep/goat					
Buffalo/cattle					

Format-13							
Annexure 4.2.2.13. State Meat processing units/plants number statistics							
Number and type of meat processing units	Numbers						
	1982	1992	1997	2003	2007	2012	2017
Total number							
Sheep/goat							
Buffalo/cattle							

Format-14					
Annexure 4.2.2.14. District wise Meat processing units/plants number statistics					
Number and type of Meat processing units	Numbers				
	District. Jind	District.2	Dist.3		
Total number of meat processing units					
Sheep/goat					
Buffalo/cattle					

Format-15							
Annexure 4.2.2.15. State Abattoirs with meat processing units/plants number statistics							
Number and type of meat processing units	Numbers						
	1982	1992	1997	2003	2007	2012	2017
Total number							
Sheep/goat							
Buffalo/cattle							

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Format-16					
Annexure 4.2.2.16. District Abattoirs with meat processing units/plants number statistics					
Number and type of abattoir with meat processing units	Numbers				
	District.1 Jind	District.2	Dist.3		
Total number of Abattoirs with meat processing units					
Sheep/goat					
Buffalo/cattle					

Format-17				
Annexure 4.2.2.17. Livestock water demand for drinking, washing and shed cleaning of Current Year				
Districts/Species	Livestock water requirements in Thousand Liters			
<i>District- Jind</i>	Drinking	Washing	Shed cleaning	Total
Cattle				
Buffalo				
Sheep				
Goat				
Pigs				
Mithun				
Yak				
Camel				
Donkey/Horse/Mules				
Others				

Format-18				
Annexure 4.2.2.18. Water demand for drinking, washing and cleaning in dairies of Current Year				
Purpose/use	Thousand Litres			
	District Jind	District 2	District 3	
Drinking				
Washing				
Cleaning shed				
Total demand				

Format-19				
Annexure 4.2.2.19. Water demand for drinking and cleaning of poultry farms of current Year				

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Purpose/use	Thousand Litres				
	District. Jind	District.2	Dist.3		
Drinking					
Cleaning					
Cooling/fogging in summer					
Feed manufacturing					
Carcass disposal					
Total demand					

Format-20					
Annexure 4.2.2.20. Water demand for milk plants (Mainly for cleaning)					
Purpose/use	Thousand Litres				
	Plant 1	Plant 2	Plant 3	Plant-4	Total
District- Jind					

Format-21						
Annexure 4.2.2.21 Water demand at different stages of animal slaughter in abattoir						
Different stages	Cattle	Buffalo	Sheep	Goat	Pig	Poultry
Drinking of animals at animal holding area and lairage						
Washing of animals						
Scalding						
Carcass washing						
Washing of slaughterhouse premises, lairage etc						
At Effluent treatment plant						

Format-22						
Water demand at different stages in meat product processing plant						
Different stages	Cattle	Buffalo	Sheep	Goat	Pig	Poultry
Water used for product preparation						
Water used for cooking of meat products						

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Water used for washing of processing plant						
premises						
At Effluent treatment plant						

Format-23					
Annexure 4.2.2.23 Water demand for Abattoirs with meat processing unit/plant (plants having both Abattoir and meat processing unit)					
Purpose/use	Thousand Litres				
<i>Slaughter operation</i>	Abattoir 1	Abattoir 2	Abattoir 3		
Drinking of animals at animal holding area and lairage					
Washing of animals					
Scalding					
Carcass washing (except pig, poultry)					
Washing of slaughterhouse premises, lairage etc					
At Effluent treatment plant					
<i>Meat product processing</i>					
Water used for product preparation					
Water used for cooking of meat products					
Water used for washing of processing plant					
premises					
At Effluent treatment					
Total water demand					

Format-24						
Annexure 4.2.2.24. Water productivity for milk production (cattle and buffalo)						
Species	Water for drinking & washing (a)	Water for shed cleaning (b)	Total water requirement/water consumed	Milk yield	Water Productivity Litre	Economic water productivity

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			(c)	d (d)	water	ty (Rs./litre)
					/Litre	
			(a+b)		milk	
					c/d	
Milch cattle						
Milch buffalo						
Others						
Total						

Format-25						
Annexure 4.2.2.25. Water productivity for poultry egg production (Layers)						
Poultry	Water for drinking & cooling	Water for cleaning (b)	Total water requirement/water consumed (c)	Egg numbers (d)	Water Productivity Litre water /100 eggs	Economic water productivity (Rs./litre)
	(a)				c/d	
			(a+b)			
Layers						

Format-26						
Annexure 4.2.2.26. Water productivity for poultry meat production (Broiler)						
Poultry	Water for drinking & cooling	Water for cleaning (b)	Total water requirement/water consumed (c)	Broiler weight (d)	Water Productivity Litre water /kg wt gain	Economic water productivity (Rs./kg)
	(a)				c/d	
			(a+b)			
Broilers						

Format-27						
Annexure 4.2.2.27. Water productivity for meat production (Sheep/goat)						
Species	Water for drinking & washing	Water for cleaning (b)	Total water requirement/	Anim al	Water Productivi	Economic water

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			water consumed (c)	weight (d)	Litre water /kg wt gain	productivity (Rs./kg meat)
	(a)		(a+b)		c/d	
Sheep						
Goat						

Format-28						
Annexure 4.2.2.28. Water productivity for meat production (buffalo/cattle)						
Species	Water for drinking & cooling	Water for cleaning (b)	Total water requirement/water consumed (c)	Animal weight (d)	Water Productivity Litre water /kg wt gain	Economic water productivity (Rs./kg meat)
	(a)		(a+b)		c/d	
Buffalo						
Cattle						

Format-29							
Annexure 4.2.2.29. Water productivity for milk processing (Litre water per litre milk processing)							
Milk plants	Water for steam generation (a)	Water for cleaning (b)	Water for other use in plant (c)	Total water requirement	Litre of milk processed (e)	Water Productivity Litre water /litre milk processed d/e	Economic water productivity (Rs./litre of pasteurized milk)
				d = (a+b+c)			
Plant1							
Plant2							
Plant 3							

Format-30						
Annexure 4.2.2.30. Processed Milk Water Productivity- State level						
Year	Total No. of Milk Processing Plants	Total Annual Capacity	Annual Av. Capacity for the last 5 Years	Inputs Qty	Output	Processed Milk Productivity Litres of Water/ 1 Litre of Processed

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				Raw Milk	Water	Processed Milk	Milk
						Kg/Yr	
2016							
2017							

Format-31						
Annexure 4.2.2.31. Water productivity for meat processing						
Abattoirs	Slaughter operation (a)	Meat product processing operation	Total water requirement/water consumed (c)	Broiler weight (d)	Water Productivity Litre water /kg processed meat c/d	Economic water productivity (Rs./kg meat product)
		(b)	(a+b)			
		Abattoir1				
Abattoir 2						
Abattoir 3						

Format-32								
Annexure-4.2.2.32: Analysis of past trend of animal growth rate (numbers)								
Livestock species	Cultivated Area (ha)				Five yearly growth rate in livestock numbers			
	2003	2007	2012	2017	2003-2007	2007-2012	2006-2015	
	1	2	3	4	5	6	7	8
					$((3-2)/2)*100$	$((4-3)/3)*100$	$((5-4)/4)*100$	
Buffalo								
Cattle								
Sheep								
Goat								
Yak								

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Mithun							
Camel							
Horse/mule							
Donkey							
Pig							
Poultry							
Others							

Format-33							
Annexure 4.2.2.33 Past trend of dairy farms							
Livestock farm type	Cultivated Area (ha)				Five yearly growth rate in livestock numbers		
	2003	2007	2012	2017	2003-2007	2007-2012	2006-2015
1	2	3	4	5	6	7	8
					$((3-2)/2)*100$	$((4-3)/3)*100$	$((5-4)/4)*100$
Dairy farms							

Format-34							
Annexure 4.2.2.34 Past trend of poultry farms							
Livestock farm type	Cultivated Area (ha)				Five yearly growth rate in livestock numbers		
	2003	2007	2012	2017	2003-2007	2007-2012	2006-2015
1	2	3	4	5	6	7	8
					$((3-2)/2)*100$	$((4-3)/3)*100$	$((5-4)/4)*100$
Poultry farms							

Format-35							
Annexure 4.2.2.35 Past trend of milk processing plants							
Livestock farm type	Cultivated Area (ha)				Five yearly growth rate in livestock numbers		
	2003	2007	2012	2017	2003-2007	2007-2012	2006-2015
1	2	3	4	5	6	7	8
					$((3-2)/2)*100$	$(4-3)/3)*100$	$(5-4)/4)*100$
Milk processing plants							

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Format-36							
Annexure 4.2.2.36a Past trend of Abattoir plants							
Livestock farm type	Cultivated Area (ha)				Five yearly growth rate in livestock numbers		
	2003	2007	2012	2017	2003-2007	2007-2012	2006-2015
1	2	3	4	5	6	7	8
					$((3-2)/2)*100$	$((4-3)/3)*100$	$((5-4)/4)*100$
Abattoir							
Annexure 4.2.2.36b Past trend of meat processing plants							
Livestock farm type	Cultivated Area (ha)				Five yearly growth rate in livestock numbers		
	2003	2007	2012	2017	2003-2007	2007-2012	2006-2015
1	2	3	4	5	6	7	8
					$((3-2)/2)*100$	$((4-3)/3)*100$	$((5-4)/4)*100$
Meat processing plants							
Annexure 4.2.2.36c Past trend of abattoir with meat processing units/plants							
Livestock farm type	Cultivated Area (ha)				Five yearly growth rate in livestock numbers		
	2003	2007	2012	2017	2003-2007	2007-2012	2006-2015
1	2	3	4	5	6	7	8
					$((3-2)/2)*100$	$((4-3)/3)*100$	$((5-4)/4)*100$
Abattoir with meat processing plants							

Format-37							
Annexure 4.2.2.39 Water measuring systems for dairy/poultry farm and milk/ meat processing plants							

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Water use	Water Measuring systems						
Dairy farm							
Poultry farm							
Milk plant							
Abattoir							
Meat processing plant							
Abattoir with meat processing unit/plant							

Format-38							
Annexure 4.2.2.40 Water monitoring systems for dairy/poultry farm and milk/ meat processing plants							
Water use	Water monitoring – Quantity and Quality systems						
Dairy farm							
Poultry farm							
Milk plant							
Abattoir							
Meat processing plant							
Abattoir with meat processing unit/plant							

Format-39							
Annexure 4.2.2.41 Data constraint/ management for dairy/poultry farm and milk/ meat processing plants							
Water use	Data Constraints/ Challenges						
Dairy farm							
Poultry farm							
Milk plant							
Abattoir							
Meat processing plant							
Abattoir with meat processing unit/plant							

Format-40							
Annexure 4.2.2.42. Livestock drinking water requirements (Cattle and Buffalo)							

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Animal Type	Season	Water intake in 24 h (1)					
Calf	Winter						
	Summer						
Heifer	Winter						
	Summer						
Adult	Winter-dry						
	_Lactating						
	Summer-dry						
	_Lactating						

Format-41							
Annexure 4.2.2.43. Water requirement for livestock washing/cleaning (Cattle and Buffalo)							
Animal Type	Season	Water for washing each buffalo (L)					
Calf	Winter						
	Summer						
Heifer	Winter						
	Summer						
Adult	Winter-dry						
	_Lactating						
	Summer-dry						
	_Lactating						

Format-42							
Annexure 4.2.2.44a. Poultry drinking water requirement							
Average daily water requirement per day (consumptions/water use in ml per day)							
Types of Birds	Total (No.)	ml per day (mpd)					
Broiler							
Pullets							
Layers							
Breeders							
Turkey							
Annexure 4.2.2.44b. Drinking water requirements for Poultry							
SN	Type of birds	Water requirements in lit per 100 birds					
1	Layer pullets (growing birds)						
2	Layer hens (mature)						

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3	Breeder pullets (growing)					
4	Breeder Hens(Mature)					
5	Broiler chickens					
6	Turkey broilers					
7	Turkey Breeders					
Annexure 4.2.2.44c. Drinking water requirements for Poultry						
SN	Type of birds	Service water requirement (lit) per 100 birds per day	No. of birds			
1	Broiler Chicks					
2	Broiler Adults					
3	Layer Chicks					
4	Laying Birds					

Format-43						
Annexure 4.2.2.45. Service water requirements for Poultry						
SN	Type of birds	Service water requirement (lit)/100 birds/day	No. of birds			
1	Broiler Chicks					
2	Broiler Adults					
3	Layer Chicks					
4	Laying Birds					

Format-44							
Annexure 4.2.2.46a. Water requirement for kg milk production							
Water (L/Kg product)	East Asia	Latin America & Caribbean	North America & West Asia	North America & Oceania	South & Central Asia	Sub-Saharan Africa	Europe
Milk							
Annexure 4.2.2.46b. Water requirement for kg milk production							
Product	Water in Liter/Kg product						
Milk	1020						

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Format-45								
Annexure 4.2.2.47. Water requirement for Litre milk processing								
Product	Water in Liter/Litre Milk Processed							
Milk	1-1.5							

Format-46								
Annexure 4.2.2.48a. Water requirement kg livestock products in meat processing plant/abattoir								
Processing of livestock products								
Product	Water in Liter/Kg product							
Eggs								
Chicken-meat								
Pig meat								
Sheep/Goat meat								
Bovine meat (Cattle/Buffalo)								

Format-47								
Annexure 4.2.2.48b. Water requirement kg livestock products in meat processing plant/abattoir								
Water (L/Kg product)	East Asia	Latin America & Caribbean	North America & West Asia	North America & Oceania	South & Central Asia	Sub-Saharan Africa	Europe	Average
Egg	3900	6300	6200	2300	7400	14700	2400	6200
Beef	83000	61900	11	27100	308900	186600	20100	114700
Sheep/Goat	87900	0	64300	36100	243500	0	14000	63700
Poultry	5800	7300	1900	3200	10200	16900	3400	7000
Pork	16300	12800	21000	4100	12100	40700	15900	17600

Format-48								
Performance indicators for Dairy Farms (Annexure 4.2.2.49)								

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Category	Indicator	Unit	Bench Mark	District-1
Water quantity Measurement	% of dairy farms with water flow meters	%		
	% of water sources (ponds for animal drinking and wallowing) geotagged	%		
	% dairy farms undertaking internal water audit	%		
	% dairy farms undertaking external water audit	%		
	Submitting monthly water balance to state pollution control board (SPCB)	Number		
Water conservation	% of dairy farms with water harvesting structures.	%		
	% of dairy farm with pressurized pumps for cleaning sheds/Pressure foam systems for cleaning shed floors.	%		
	% of dairy farms with shower facility for washing animals.	%		
	% dairy farms with fogging facility.	%		
Water demand management	No animal washing in event of water scarcity	Number		
	% of dairy farms following dry washing of animals	%		
	% of dairy farms with facility for dry washing and cleaning of animals sheds	%		
	% of dairy farms with using green fodder in animal diet	%		
	% of dairy farms repairing leaks from connections, valves and seals	%		
Water productivity	Water consumption per liter of milk production	Liters		
Water quality	% dairy farms conducting the prescribed water quality tests	%		
	% of dairy farms with separate channels for disposal of animal waste (dung and urine)	%		
	% of dairy farms with waste storage pond	%		
	% of dairy farms with waste lagoon	%		
	% of dairy units installed online water quality monitoring systems	%		
	% of dairy units complied with the waste water quality discharged norms.	%		
	% of dairy units received notices for the violation of statute from SPCB	%		
Waste Water	Total waste water generated from dairy farm	Liters		
	% waste water treated	%		

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	% treated water used in industrial activity	%		
	% treated water used in green belt	%		
	% reduction in total quantum of wastewater disposed	%		
	% of dairy plants with Zero liquid discharge (AZD)	%		
	% of dairy farms with waste water recycling	%		
	% of dairy farms with waste water treatment plant/water purification system	%		
Capacity building	% of dairy plant conduction training of employees for minimizing water use.	%		
Water Economics	Cost of 1 lt water	%		
	% of dairy farms paying water bills	%		
Others				

Format-49							
Performance indicators for Poultry (Annexure 4.2.2.50)							
Category	Indicator	Unit	Bench Mark	District-1			
Water quantity Measurement	% of Poultry farms with water meters	%					
	% Poultry farms undertaking intrenal water audit	%					
	% Poultry farms undertaking external water audit	%					
	Submitting monthly water balance to state pollution control board (SPCB)						
Water conservation	% of Poultry farms with working water harvesting structures.	%					
	% of poultry farm with water recycling system.	%					
	% of poultry farm with nipple system.	%					
	% of poultry farms with fogging facility for cooling of sheds in summer.	%					
Water demand management	% of breeders/Layers farms having 0-6 weeks	%					
	% of breeders/Layers farms having 0-6 weeks birds6-20 weeks	%					
	% of breeders/Layers farms having 20-72 weeks	%					
	% of poultry farms following disinfection of the sheds to control external parasites of birds	%					
	% of poultry farms with Facilities for dry washing and cleaning of animal sheds	%					

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	% of poultry farms having own feed units	%		
	% of poultry farms repairing leaks from connections, valves and seals	%		
Water productivity	Water consumption (in L) per 100 eggs production			
	Water consumption (in L) per 1kg live meat			
Water quality	% poultry farms conducting the prescribed water quality tests	%		
	% of poultry farms with separate channels for disposal of animal waste (birds excreta)	%		
	% of poultry farms with waste storage pit	%		
	% of poultry farms with poultry waste lagoon	%		
	% of poultry units installed online water quality monitoring systems	%		
	% of poultry units complied with the waste water quality discharged norms.	%		
	% of poultry units received notices for the violation of statute from SPCB	%		
Waste Water	Total waste water generated			
	% of poultry farms with waste water recycling	%		
	% waste water treated	%		
	% Treated water used in farm activity (gardening, cooling of sheds etc)	%		
	% reduction in total quantum of wastewater disposed	%		
	% of poultry farms with Zero liquid discharge (AZD)	%		
	% of poultry farms with waste water treatment plant/water putification system	%		
Capacity building	% of plant conduction training of employees for minimizing water use.	%		
Water Economics	Cost of 1 lt water			
	% of poultry farms paying water bills			
Others	% of poultry farms having carcass disposable system	%		

Format-50							
Performance indicators for Milk Processing Plants- Separately for each category of plant-(i) Less than 1 Lakh /Day (ii) 1-5 Lakh/Day (iii)> 5 lakh liters/day (Annexure 4.2.2.51)							

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Category	Indicator	Unit	Bench Mark	District-1
Water quantity Measurement	% of Milk plant using water measuring device at source.	%		
	% of plant using automatic water measuring system.	%		
	Milk plant annual total water consumption	%		
	Average water treated in ETP annually.	%		
	% dairy plants undertaking internal water audit	%		
	% dairy plants undertaking external water audit	%		
	Submitting monthly water balance to state pollution control board (SPCB)	%		
Water conservation	% of Plant with working water harvesting structures.	%		
	% of dairy plants with condensate recovery system	%		
	% of dairy plants with automatic CIP cleaning system	%		
Water demand management	% of plant conducting water audit	%		
	% of dairy plants conducting regular maintenance (repairing leaks from connections, valves and seals)	%		
Water productivity	Water consumption (in L) per 1 litre of processed milk			
Water quality	% dairy plants conducting the prescribed water quality tests	%		
	% dairy plants installed online water quality monitoring systems.	%		
	% of dairy plants complied with the wastewater quality discharged norms.	%		
	% of dairy plants received notices for the violation of statute from SPCB	%		
Waste Water	Total waste water generated			
	% of dairy plants with 100% waste water recycling	%		
	% waste water treated	%		
	% Treated water used in Industrial activity.	%		
	%Treated water used in green belt	%		
	% Reduction in total quantum of waste water disposed	%		
	% of plants with Zero liquid discharge (ZLD)	%		
Participatory water management				

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Capacity building	% of plant conduction training of employees for minimizing water use.	%		
Water Economics	Cost of 1 lt water			
Others				

Format-51							
Performance indicators - Abattoirs only (Annexure 4.2.2.52)							
Category	Indicator	Type of abattoir					
		Cattle	Bullalo	Sheep	Goat	Pig	Poultry
Water quantity Measurement	% of abattoirs using water measuring device at source.	%					
	% of abattoir using automatic water measuring system.	%					
	% abattoirs undertaking internal water audit	%					
	% abattoirs undertaking external water audit	%					
	% abattoirs sending monthly water balance to state pollution control board (SPCB)	%					
Water conservation	% of abattoirs having rain water harvesting facility	%					
	% of abattoirs having shower facilities for animals	%					
Water demand management	% of abattoirs having repairing leaks from connections, valves and seal at regular intervals	%					
Water productivity	Average Water consumption per kg of meat produced						
Water quality	% of abattoirs conducting the prescribed water quality tests	%					
	% of abattoirs with separate channels for disposal of animal waste (dung and urine)	%					
	% of abattoirs with waste storage pond	%					
	% of abattoirs with waste lagoon	%					
	% of abattoirs installed online water quality monitoring systems.	%					
	% of abattoirs complied with the wastewater quality discharged norms.	%					

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	% of abattoirs received notices for the violation of statute from SPCB	%					
	% abattoirs meeting Pollution Control Board guidelines on treated water quality	%					
Waste Water	Total waste water generated						
	% of abattoirs with waste water treatment plant	%					
	% of abattoirs recycling treated water	%					
	% waste water treated	%					
	% Treated water used in abattoir activities.	%					
	%Treated water used in green belt	%					
	% Reduction in total quantum of waste water disposed	%					
	% of abattoirs with Zero liquid discharge (ZLD)	%					
Capacity building	% of plant conduction training of employees for minimizing water use.	%					
Water Economics	Cost of 1 litre water						
Others issues	% number of abattoirs having meat product facility along with abattoir						
	% of abattoirs undertaking by product processing in their plant						
	% of abattoirs using automated cleaning of animal by products						

Format-52					
Performance indicators - Meat product processing plants only (without attached abattoir)(Annexure 4.2.2.53)					
Category	Indicator	Units	Bench Mark	Plant-1	Plant-2
Water quantity Measurement	% of processing plants using water measuring device at source.	%			
	% of processing plants using automatic water measuring system.	%			
	Annual total water consumed				
	Average water treated annually in ETP annually.				
	% of plants undertaking internal water audit	%			
	% of plants undertaking external water audit	%			

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	% plants sending monthly water balance to state pollution control board (SPCB)	%			
Water conservation	% of abattoirs having rain water harvesting facility	%			
Water demand management	% of processing plants having repairing facility for leaks from connections, valves and seals	%			
Water productivity	Average Water consumption per kg of meat product produced.				
Water quality	% of processing plants conducting the prescribed water quality tests	%			
	% of units installed online water quality monitoring systems.	%			
	% of units complied with the wastewater quality discharge norms.	%			
	% plants meeting Pollution Control Board guidelines on treated water quality	%			
Waste Water	Total waste water generated				
	% of plants with waste water treatment plant	%			
	% of units recycling treated water	%			
	% Waste water treated	%			
	% Treated water used in plant activities				
	%Treated water used in green belt	%			
	% of plants with Zero liquid water discharge	%			
Capacity building	% of plant conducting training of employees for minimizing water usage.	%			
Water Economics	Cost of 1 lt water				

	Sheep Goat	18-20 Liter per Day per animal			
	Horse		36	36	
	Pig	20-25			
	Poultry	200-250 ml		double to feed	