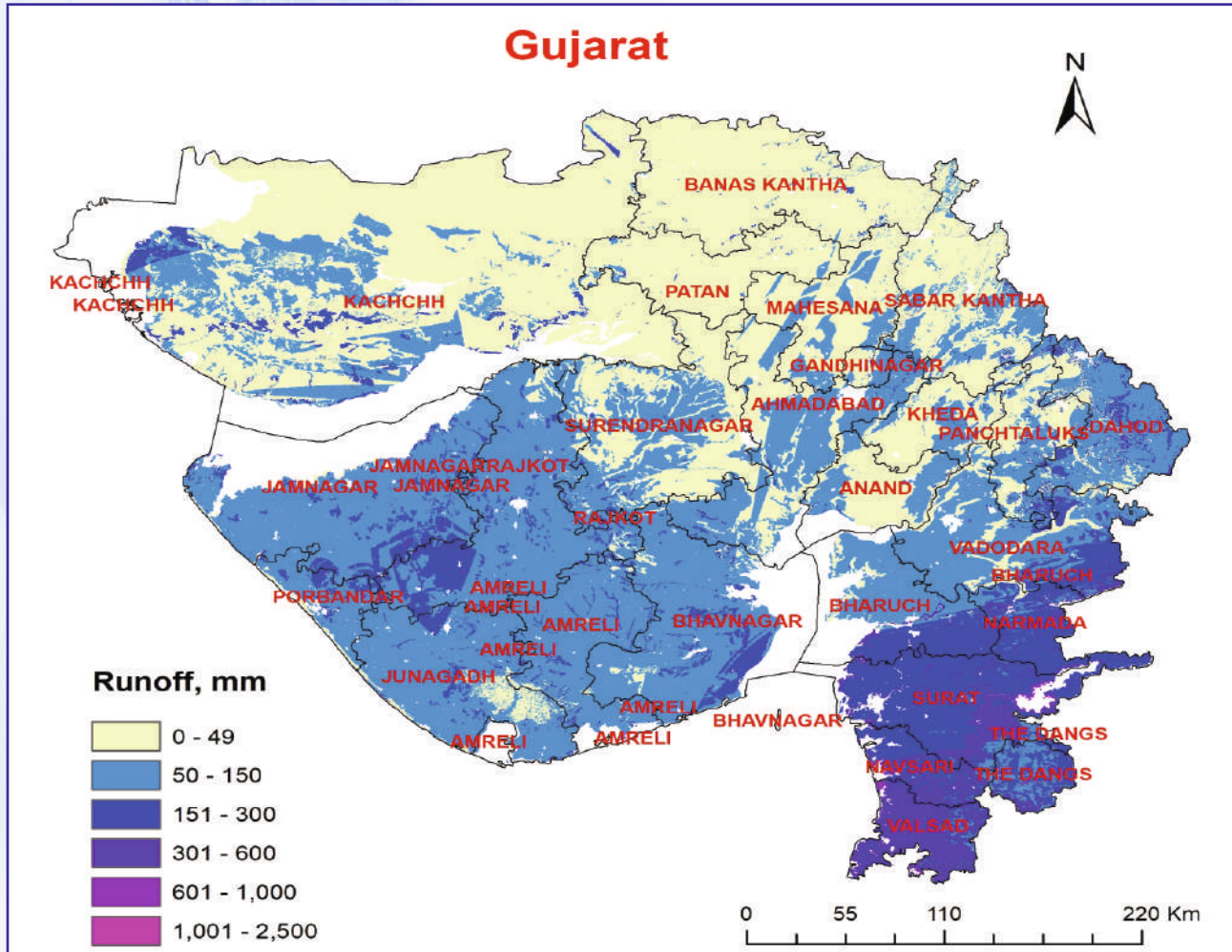


RAINWATER HARVESTING POTENTIAL OF GUJARAT



Annual Rainfall (mm)	Area (M ha)	Harvestable Runoff	
		MCM	M ha-m
268-450	5.52	1488.48	0.15
450-640	6.34	2418.22	0.24
640-1004	3.52	2486.68	0.25
1004-1550	0.78	1079.51	0.11
1550-2203	0.90	1601.83	0.16
Total		9074.72	0.91
Available water for irrigation & ground water recharge			
Available water for protective irrigation of (MCM)		2722	
Area that can be irrigated with two irrigation (M ha)		1.81	
Available water for ground water recharge (MCM)		6352	

State profile

S. N.	Particular		Units	Value		Source
1. Demographic Characteristics						
1.1	Geographical area (GA)		Mha	19.60		DES (2019)
1.2	District		No	33		LGD (2022)
1.3	Gram panchayat		No	14288		
1.4	Villages		No	19034		
1.5	Total population		M	60.43		DES (2020)
1.5.1	Male	Female	M	31.49	28.94	
1.6	Livestock population		M	26.9		DAHD (2018)
2. Land Use Statistics						
2.1	Forest area		Mha	1.834 (9.35% of GA)		DES (2019)
2.2	Area under non-agri-cultural uses		Mha	1.171		
2.3	Barren & unculturable land		Mha	2.552		
2.4	Permanent pastures & grazing lands		Mha	0.851		
2.5	Culturable wasteland		Mha	1.960		
2.6	Land under misc. tree crops		Mha	0.004		
2.7	Fallow land other than current		Mha	0.016		
2.8	Current fallow		Mha	0.379		
3. Agricultural Indicators						
3.1	GAV of agriculture and allied sector at current prices		Rs in Lakh	14245950		DES (2020)
3.2	Total operational holdings		000'	5321		DES (2020)
3.2.1	Marginal (< 1 ha)	Small (1.0-2.0 ha)	Semi- Medium (2.0-4.0 ha)	Medium (4.0-10.0 ha)	Large (10.0 ha and >)	
	2019	1616	1150	496	40	
3.3	Net sown area (NSA)		Mha	10.302		DES (2019)
3.4	Gross cropped area		Mha	11.429		
3.5	Cropping intensity		%	110.9		
3.6	Rainfed area		Mha	6.07 (58.9 % of NSA)		
3.7	Horticultural crops		Mha	1.846		
4. Water Resources						
4.1	Net irrigated area (NIA)		Mha	4.233		DES (2019)
4.2	Gross irrigated area		Mha	5.828		
4.2.1	Canal	Tanks	Tube-wells	Other wells	Other sources	
	771	45	1122	2181	114	
4.3	Intensity of irrigation		%	51		
4.4	Annual extractable groundwater		BCM	21.25		CGWB (2020)
4.4.1	Irrigation use (BCM)			Industry use (BCM)	Domestic use (BCM)	
	12.84			0.11	0.63	
4.5	Stage of groundwater extraction		%	63.89		CGWB (2020)
4.6	Area under micro-irrigation		Mha	1.52 (35.90 % of NIA)		DES (2020)
4.7	Assessment units for groundwater status		No	248		CGWB (2020)
4.7.1	Safe 194 (78 %)	Semi-critical 11 (4 %)	Critical 5 (2 %)	Over-exploited 25 (10 %)	Saline 13 (5 %)	
4.8	Annual rainfall (Range)		mm	540-961		DES (2020)
5. Watershed Development (MoRD, DoLR, 2021)						
5.1	Treatable area[@] (Mha)			Treated area (Mha)	To be treated area (Mha)	
	18.08			6.88	8.2	

[@] Area to be treated with watersheds