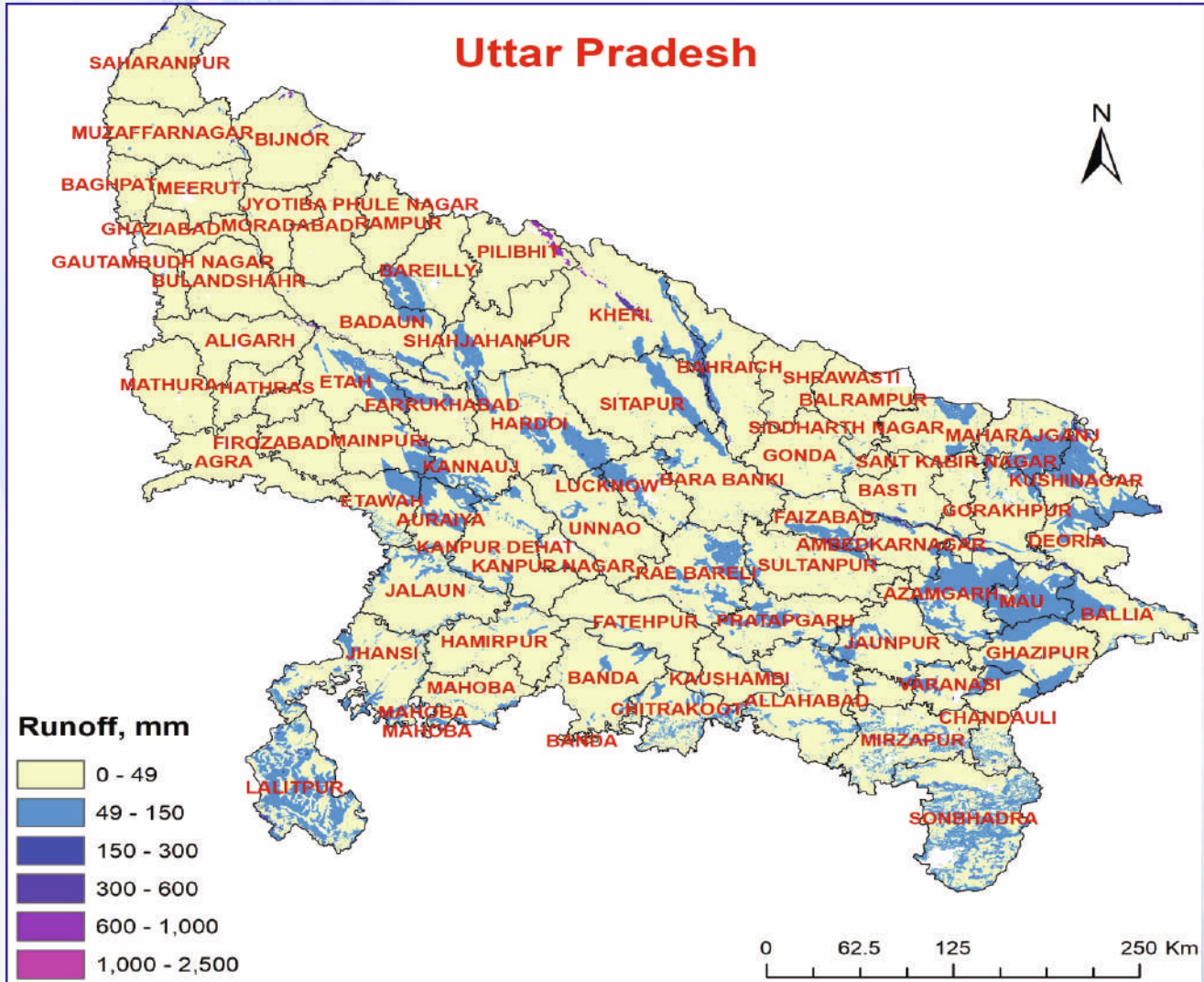


# RAINWATER HARVESTING POTENTIAL OF UTTAR PRADESH



Annual Rainfall (mm)	Area (M ha)	Harvestable Runoff	
		MCM	M ha-m
502-652	3.13	238.80	0.02
652-762	7.37	966.88	0.10
762-872	6.17	964.80	0.10
872-996	4.37	837.25	0.08
996-1353	2.22	587.23	0.06
<b>Total</b>		<b>3594.96</b>	<b>0.36</b>
<b>Available water for irrigation &amp; ground water recharge</b>			
Available water for protective irrigation of (MCM)		1078	
Area that can be irrigated with two irrigation (M ha)		0.72	
Available water for ground water recharge (MCM)		2516	

## State profile

S. N.	Particular		Units	Value		Source
<b>1. Demographic Characteristics</b>						
1.1	Geographical area (GA)		Mha	24.09		DES (2019)
1.2	District		No	75		GoUP (2022) DES (2020)
1.3	Gram panchayat		No	58073		
1.4	Villages		No	97941		
1.5	Total population		M	19.98		
1.5.1	Male	Female	M	10.44	9.53	
1.6	Livestock population		M	67.80		DAHD (2018)
<b>2. Land Use Statistics</b>						
2.1	Forest area		Mha	1.71 (7.1% of GA)		DES (2019)
2.2	Area under non-agri-cultural uses		Mha	3.17		
2.3	Barren & unculturable land		Mha	0.44		
2.4	Permanent pastures & grazing lands		Mha	0.07		
2.5	Culturable wasteland		Mha	0.39		
2.6	Land under misc. tree crops		Mha	0.27		
2.7	Fallow land other than current		Mha	0.59		
2.8	Current fallow		Mha	0.98		
<b>3. Agricultural Indicators</b>						
3.1	GAV of agriculture and allied sector at current prices		Rs in Lakh	40193102		DES (2020)
3.2	Total operational holdings		000'	23822		DES (220)
3.2.1	<b>Marginal</b> (< 1 ha)	<b>Small</b> (1.0-2.0 ha)	<b>Semi- Medium</b> (2.0-4.0 ha)	<b>Medium</b> (4.0 -10.0 ha)	<b>Large</b> (10.0 ha and >)	
	19099	3008	1313	376	22	
3.3	Net sown area (NSA)		Mha	16.53		DES (2019)
3.4	Gross cropped area		Mha	26.85		
3.5	Cropping intensity		%	162.4		
3.6	Rainfed area		Mha	2.15 (13.0% of NSA)		
3.7	Horticultural crops		Mha	2.4		DES (2020)
<b>4. Water Resources</b>						
4.1	Net irrigated area (NIA)		Mha	14.39		DES (2019)
4.2	Gross irrigated area		Mha	21.68		Other sources 0.12
4.2.1	<b>Canal</b>	<b>Tanks</b>	<b>Tube-wells</b>	<b>Other wells</b>		
	2.18	0.08	10.74	1.27		
4.3	Intensity of irrigation		%	150.64		
4.4	Annual extractable groundwater		BCM	65.32		CGWB (2020)
4.4.1	<b>Irrigation use (BCM)</b>			<b>Industry use (BCM)</b>	<b>Domestic use (BCM)</b>	
	40.89			0	4.95	
4.5	Stage of groundwater extraction		%	70.18		CGWB (2020)
4.6	Area under micro-irrigation		Mha	0.21(1.45% of NIA)		DES (2020)
4.7	Assessment units for groundwater status		No	830		CGWB (2020)
4.7.1	<b>Safe</b> 540 (65%)	<b>Semi-critical</b> 151 (18%)	<b>Critical</b> 48 (6%)	<b>Over-exploited</b> 91 (11%)	<b>Saline</b> 0 (0%)	
4.8	Annual rainfall (Range)		mm	990 (792-1188)		Rakhecha, 2016
<b>5. Watershed Development (MoRD, DoLR, 2021)</b>						
5.1	<b>Treatable area<sup>@</sup> (Mha)</b>			<b>Treated area (Mha)</b>	<b>To be treated area (Mha)</b>	
	19.19			14.18	5.0	

<sup>@</sup> Area to be treated with watersheds

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