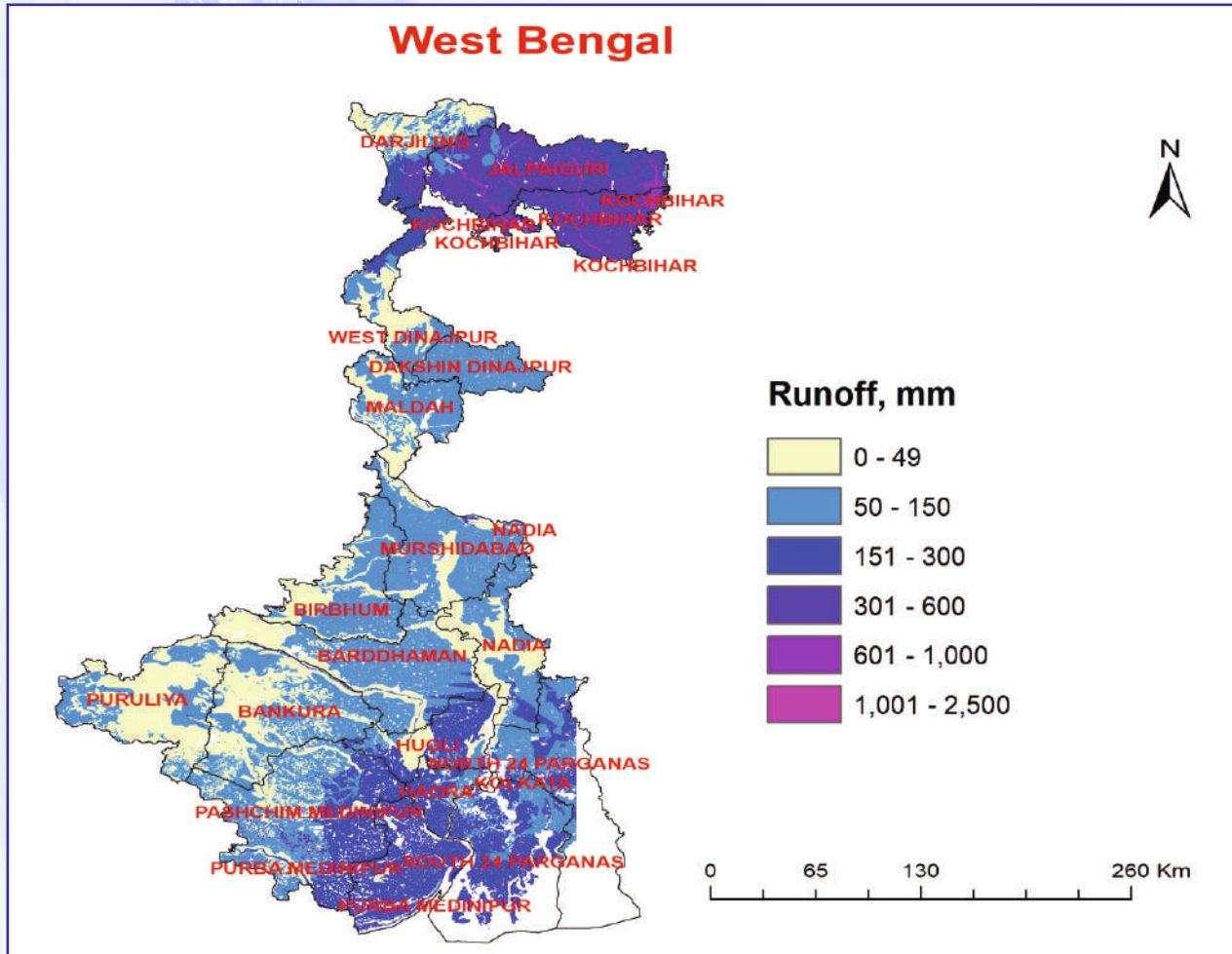


RAINWATER HARVESTING POTENTIAL OF WEST BENGAL



Annual Rainfall (mm)	Area (M ha)	Harvestable Runoff	
		MCM	M ha-m
1034-1303	4.6	1852.88	0.19
1303-1808	1.49	1360.33	0.14
1808-2370	0.25	256.92	0.03
2370-2737	0.41	745.01	0.07
2737-3112	0.65	1771.41	0.18
Total		5986.56	0.6
Available water for irrigation & ground water recharge			
Available water for protective irrigation of (MCM)		1796	
Area that can be irrigated with two irrigation (M ha)		1.2	
Available water for ground water recharge (MCM)		4191	

State profile

S. N.	Particular	Units	Value	Source	
1. Demographic Characteristics					
1.1	Geographical area (GA)	Mha	8.88	DES (2019)	
1.2	District	No	23	GoWB (2015)	
1.3	Gram panchayat	No	3347		
1.4	Villages	No	40218		
1.5	Total population	M	91.28		
1.5.1	Male	M	46.81	44.47	DAHD (2018)
	Female	M			
1.6	Livestock population	M	37.43		
2. Land Use Statistics					
2.1	Forest area	Mha	1.18 (13.3 % of GA)	DES (2019)	
2.2	Area under non-agri-cultural uses	Mha	1.88		
2.3	Barren & unculturable land	Mha	0.01		
2.4	Permanent pastures & grazing lands	Mha	0.002		
2.5	Culturable wasteland	Mha	0.01		
2.6	Land under misc. tree crops	Mha	0.05		
2.7	Fallow land other than current	Mha	0.01		
2.8	Current fallow	Mha	0.30		
3. Agricultural Indicators					
3.1	GAV of agriculture and allied sector at current prices	Rs in Lakh	27426217	DES (2020)	
3.2	Total operational holdings	000'	7243	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 >)
	5998	971	256	18	1
3.3	Net sown area (NSA)	Mha	5.25	DES (2019)	
3.4	Gross cropped area	Mha	9.96		
3.5	Cropping intensity	%	189.8		
3.6	Rainfed area	Mha	2.14 (40.8 % of NSA)		
3.7	Horticultural crops	Mha	1.97	DES (2020)	
4. Water Resources					
4.1	Net irrigated area (NIA)	Mha	3.11	DES (2019)	
4.2	Gross irrigated area	Mha	6.53	DES (2019)	
4.2.1	Canal	Tanks	Tube-wells		Other wells
	-	-	-	-	
				Other sources	
				3.11	
4.3	Intensity of irrigation	%	210.0	-	
4.4	Annual extractable groundwater	BCM	26.56	CGWB (2020)	
4.4.1	Irrigation use (BCM)		Industry use (BCM)	Domestic use (BCM)	
	10.84		NA	1.00	
4.5	Stage of groundwater extraction	%	44.60	CGWB (2020)	
4.6	Area under micro-irrigation	Mha	0.09 (2.9 % of NIA)	DES (2020)	
4.7	Assessment units for groundwater status	No	268	CGWB (2020)	
4.7.1	Safe 191 (71%)	Semi-critical 76 (28%)	Critical 1 (0.52%)	Over-exploited 0	Saline 0
4.8	Annual rainfall (Range)	mm	1698 (1068-3411)	GoWB (2015)	
5. Watershed Development (MoRD, DoLR, 2021)					
5.1	Treatable area[@] (Mha)		Treated area (Mha)	To be treated area (Mha)	
	6.37		1.06	5.31	
[@] Area to be treated with watersheds					