

Status of surface water availability and planning & utilization in different river basins of Jharkhand

Unit : Million Cubic Meter (MCM)

S.N.	Name of basin	Basin Area within Jharkhand Boundary (Km ²)	Water spread depth in mm	Water availability at 75% dependability	Irrigation				Municipal & Industrial uses		Inter basin transfer		Total Allocation of water	River release				
					Major & Medium		Minor	Ahar & Other Schemes		Planned	Utilization	Planned		Utilization	Planned	Utilization	Planned	Present Status
					Planned	Utilization		Planned	Utilization									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17=5-16	18	
1	Harehar	4286.93	232.80	998.04	554.30	374.57	142.44	63.27	0.00	0.00	149.93	4.05	53.68	0.00	900.35	97.69	556.15	
2	Kul	420.96	232.80	98.07	64.14	65.19	17.40	9.79	0.00	0.00	14.67	0.31	0.00	0.00	96.21	1.86	22.79	
3	Punpun	1458.36	249.70	364.20	100.50	31.03	111.65	39.42	0.00	0.00	54.61	1.13	0.00	0.00	266.76	97.44	292.61	
4	Some (Stem) Kanhar & Kao-Gangri composite basin	2297.91	912.20	2096.15	805.46	904.41	134.32	40.25	0.00	0.00	107.85	1.84	876.79	0.00	1924.42	171.73	1149.65	
5	Gumari & Koa-Bhena	3775.34	388.00	1464.53	145.31	288.81	255.39	27.31	0.00	16.89	219.28	8.93	0.00	0.00	619.98	844.55	1122.59	
6	Ajay	3227.01	348.70	1116.94	613.00	121.70	214.00	44.79	0.00	0.00	225.00	10.03	15.00	0.00	1067.00	49.94	940.47	
7	Small Streams draining independently outside the State	1684.68	375.40	632.40	77.00	13.90	191.00	16.63	0.00	0.00	95.00	2.09	0.00	0.00	363.00	269.40	599.75	
8	Sankh	4027.43	384.10	1547.00	573.00	100.00	304.00	40.10	0.00	0.00	232.00	3.98	18.00	0.00	1127.00	420.00	1402.97	
9	Bilasi Chandan Chir	1483.28	364.30	540.34	265.64	294.81	85.89	46.39	0.00	0.00	81.00	19.60	0.00	0.00	432.53	107.81	179.54	
10	Kharai (Excluding Swarnarekha)	4206.02	258.00	1085.00	638.00	683.00	47.00	38.51	0.00	1.90	325.00	93.60	0.00	0.00	1010.00	75.00	267.99	
11	Swarnarekha (Excluding Kharai)	8591.46	376.20	3232.00	1265.00	1229.40	191.00	56.20	0.00	4.22	1293.00	710.29	0.00	0.00	2749.00	483.00	1231.85	
12	South Koel	10588.56	380.60	4030.00	1021.00	99.60	739.00	70.80	0.00	0.00	605.00	118.56	1035.00	0.00	3400.00	630.00	3741.05	
13	Mayurakshi	5710.00	400.70	2288.00	670.00	99.60	324.00	70.80	0.00	0.00	343.00	118.55	0.00	0.00	1337.00	951.00	1999.05	
14	Barakar (Excluding Damodar)	7026.00	341.60	2400.00	115.00	128.90	106.00	29.40	0.00	19.50	138.00	185.75	227.00	0.00	586.00	1814.00	2036.44	
15	Damodar (Excluding Barakar)	9907.80	343.20	3400.00	521.00	521.50	153.00	43.80	0.00	28.78	1104.00	815.84	185.00	534.50	1963.00	1437.00	1455.57	
16	North Koel	10570.00	210.70	2227.00	733.00	669.50	164.00	45.90	0.00	36.56	334.00	35.33	950.00	534.50	2181.00	46.00	905.21	
Grand Total :		79261.74		27519.67	8161.35	5625.92	3180.09	683.36	0.00	107.85	5321.34	2129.88	3360.47	1069.00	20023.25	7496.42	17903.68	

Ref : As per report of Chief Engineer, Design, Master Planning & Hydrology vide letter No.-287, dated 09.05.2012

Status of Ground water availability and planning & utilization in different river basins of Jharkhand

Unit : Million Cubic Meter (MCM)

S.N.	Name of basin	Ground Water availability	Major & Medium		Minor		Ahar & Other Schemes		Municipal & Industrial uses		Inter basin transfer		Total Allocation of water	Balance Ground Water	
			Planned	Utilization	Planned	Utilization	Planned	Utilization	Planned	Utilization	Planned	Utilization		Planned	Present Status
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Harohar	797.64	0.00	0.00	592.83	363.86	0.00	0.00	120.00	35.60	0.00	0.00	712.83	84.81	398.19
2	Kul	61.26	0.00	0.00	33.65	21.88	0.00	0.00	9.00	4.00	0.00	0.00	42.65	18.61	35.35
3	Punpun	326.39	0.00	0.00	136.53	142.58	0.00	0.00	48.00	16.00	0.00	0.00	184.53	141.86	167.81
4	Sone (Stem) Kanhar & Kao-Gangri composite basin	614.61	0.00	0.00	186.29	192.47	0.00	0.00	92.00	34.60	0.00	0.00	278.29	336.32	387.50
5	Gumani & Kora-Bhena	319.65	0.00	0.00	263.32	40.18	0.00	0.00	48.00	86.50	0.00	0.00	311.32	8.33	192.94
6	Ajay	229.75	0.00	0.00	158.00	10.30	0.00	0.00	38.00	14.50	0.00	0.00	196.00	33.75	204.95
7	Small Streams draining independently outside the State	128.40	0.00	0.00	73.00	11.74	0.00	0.00	19.00	8.60	0.00	0.00	92.00	36.40	108.07
8	Sankh	319.00	0.00	0.00	163.00	28.40	0.00	0.00	48.00	11.10	0.00	0.00	211.00	108.00	279.50
9	Bilasi Chandan Chir	323.62	0.00	0.00	190.62	66.00	0.00	0.00	49.00	22.80	0.00	0.00	239.62	84.00	234.83
10	Kharkai (Excluding Swarnarekha)	242.00	0.00	0.00	14.70	11.24	0.00	0.00	73.00	18.10	0.00	0.00	87.70	154.30	212.65
11	Swarnarekha (Excluding Kharkai)	634.00	0.00	0.00	273.00	64.98	0.00	0.00	158.00	45.90	0.00	0.00	431.00	203.00	523.11
12	South Koel	694.00	0.00	0.00	486.00	225.20	0.00	0.00	104.00	38.10	0.00	0.00	590.00	104.00	430.70
13	Mayurakshi	445.00	0.00	0.00	324.00	88.73	0.00	0.00	67.00	63.90	0.00	0.00	391.00	54.00	292.40
14	Barakar (Excluding Damodar)	510.00	0.00	0.00	424.00	88.73	0.00	0.00	56.00	63.90	0.00	0.00	480.00	30.00	357.40
15	Damodar (Excluding Barakar)	721.00	0.00	0.00	500.00	121.30	0.00	0.00	176.00	51.20	0.00	0.00	676.00	45.00	548.50
16	North Koel	680.00	0.00	0.00	534.00	121.30	0.00	0.00	102.00	51.20	0.00	0.00	636.00	44.00	507.50
Grand Total :		7046.32	0.00	0.00	4352.94	1598.89	0.00	0.00	1207.00	566.00	0.00	0.00	5559.94	1486.38	4881.40

Ref : As per report of Chief Engineer, Design, Master Planning & Hydrology vide letter No.-287, dated 09.05.2012