

MODULE III : IMPACT ASSESSMENT ON GROUNDWATER RECHARGE OF REDEVELOPED PONDS/WATERBODIES

- 1.0 Development Commissioner, Govt. of NCT Delhi, had, vide an order dated 25/7/2006, directed the rejuvenation of waterbodies of Delhi. The works were mostly undertaken by Dept. of Irrigation and Flood Control and some were undertaken by DSIDC [DSIIDC]. Several of the waterbodies are either encroached or otherwise embroiled in disputes.
- 2.0 Groundwater recharge from waterbodies is difficult to estimate as it depends on several variables. In case of artificial recharge through water spreading methods, soil and land use conditions which control the rate of infiltration and downward percolation of the water applied on the surface of the soil assume special importance.
- 3.0 **Recharge/ Seepage From Tanks/ Ponds/ Lakes** : In view of the fact that the detailed data for recharge calculation is extremely difficult to come by some very simple parameters have been enunciated by the CGWB in their '*Report of the Ground Water Resource Estimation Committee, Ground Water Resource Estimation Methodology - 1997, Central Ground Water Board*'. On an average infiltration can be taken as 44 to 60 cm per year over a total water spread based on the average area of water spread. Otherwise 60% of the maximum water spread area may be used instead of average area of the water spread.
- 4.0 Accordingly, based upon the list of completed waterbodies supplied by the I & FC Dept. the following tables show the estimated recharge which may have taken place.
- 5.0 The formula employed for estimation is :

$$\text{Area in sq.m.} \times 60\% \times 0.6 \text{ m} = \text{Annual Recharge Obtained in Cu.M.}$$
- 6.0 Dry water bodies have been ignored. In those cases where no area has been indicated by I & FC an area of 2000 sq.m. has been assumed.

Central District [I & FC]

S. No.	District	Name of village / Water Body	Kh. No.	Area [Sq.M.]	Present position Wet / Dry	Annual Recharge [Cu.M.]	Completion Date	No. of Years of Operation	Total Recharge (Cu.M)
1	2	3	4	5	6	7	8	9	10
1	CENTRAL	Village Burari	149/2/2 min	23700	Wet	8532	Work completed in year 2007 as per nine point guidelines. Scheme for Rs. 11.52 lacs for Development of pond approved in DRDB meeting held on 2.2.11. A/A & E/S awaited. However out of the said area, an area of 2 bigha 10 biswa has been allotted to a private person by order of financial commissioner. The BDO is to furnish the report as to how the area of water body has been allotted. BDO to get the same cancelled as land is meant for water body cannot be changed for other purposes. The Temple and Pucca Houses are exist at site. Domestic waste water coming in to pond is to be diverted by MCD.	8	68256
Total						8532			68256

North District [I & FC]

S. No.	District	Name of village / Water Body	Kh. No.	Area (in Sqm)	Present position Wet / Dry	Annual Recharge [Cu.M.]	Completion Date	No. of Years of Operation	Total Recharge (Cu.M)
1	2	3	4	5	6	7	8	9	10
1	NORTH	Bakhtawarpur	113	8010	Wet	2884	Yes, work completed in year 2007	8	23072
2	NORTH	Bakhtawarpur	115				Boundary wall constructed. Scheme for Rs. 122.45 lacs for Development of pond approved in DRDB meeting held on 23.05.2012. A/A & E/S awaited.	3	
3	NORTH	Hiranki	56/2	8729	Dry		Boundary wall constructed. Scheme for footpath, wall lining on slopes of pond approved in DRDB meeting held on 23.05.2012. A/A & E/S awaited.	3	
4	NORTH	Singhu	43	8318	Dry		Yes, work completed in year 2007	8	
5	NORTH	Tigipur	58	3121	Dry		Yes, work completed in year 2007	8	
6	NORTH	Tajpur Kalan	42	5609	Wet	2019	Yes, work completed in year 2007. Partly encroached. Fresh A/A & E/S amounting to Rs. 11.26 received on 24/09/2014 Work of construction of foot path around the b/wall inside the pond has been taken up. Work is in progress (32%)	8	16152
Total						4903			39224

NE DISTT. WATERBODIES [DSIIDC]

S. No.	District	Name of village / Water Body	Kh. No.	Area (in Sqm)	Present position Wet / Dry	Annual Recharge [Cu.M.]	Completion Date	No. of Years of Operation	Total Recharge (Cu.M)
1	2	3	4	5	6	7	8	9	10
1	NORTH EAST	Hiranki	534, 535	2000	Wet	720	Yes, work completed in year 2007 Fresh A/A & E/S amounting to Rs. 87.59 received on 23/09/2014 Work of beautification of waterbody by raising of Boundary Wall, Footpath, Stone wall for wall lining on slopes is in progress (85%) .	8	5760
2	NORTH EAST	Ibrahimpur	113/2	2000	Wet	720	Yes, work completed in year 2007	8	5760
3	NORTH EAST	Tigipur	2/13.	2000	Wet	720	Yes, work completed in year 2008	8	5760
4	NORTH EAST	Tajpur	41 min	2000	Wet	720	Yes, work completed in year 2009	8	5760
Total						2880			23040

NE DISTT. WATERBODIES [I & FC]

S. No.	District	Name of Village / Water Body	Kh. No.	Area (in Sqm)	Present position Wet / Dry	Annual Recharge [Cu.M.]	Completion Date	No. of Years of Operation	Total Recharge (Cu.M)
1	2	3	4	5	6	7	8	9	10
1	NORTH EAST	Babarpur	137	2530	Wet	910	Yes, work completed in year 2007	8	7280
2	NORTH EAST		300/1	1855	Wet	667	Yes, work completed in year 2007	8	5336
		Gokalpur							
Total						1577			12616

North West District [I & FC]

S. No.	District	Village	Khasra No.	Area [Sq.M.]	Present Status	Annual Recharge [Cu.M.]	Completion Date	No. of Years of Operation	Total Recharge (Cu.M)
1	2	3	4	5	6	7	8	9	10
1	NORTH WEST	Alipur	19-0	16025	Wet	5769	Yes, work completed in year 2007. A/A & E/S amounting to Rs. 214.02 lacs for development of other works in Kh. No. 64/27 received on 1/10/2012. Tender were opened on 18.12.2012 and awarded . Work has been completed	8	46152
2	NORTH WEST	Bankner	28/12.	24121	Dry		Yes, work completed in year 2007	8	
3	NORTH WEST	Bankner	28/12.	24121	Dry		Yes, work completed in year 2007	8	
4	NORTH WEST	Barwala	30-18	26061	Wet	9381	Work completed in year 2007 except some portion of boundary wall due to encroachment.	8	75048
5	NORTH WEST	Budhpur	08/12.	7253	Wet	2611	Yes, work completed in year 2007	8	20888
6	NORTH WEST	Darayapur Kalan	19-17	16736	Wet	6024	Yes, work completed in year 2007. Improvement of lining and construction of steps are also completed.	8	48192
7	NORTH WEST	Holambi Khurd	43-8	36604	Wet	13177	Yes, work completed in year 2007	8	105416
8	NORTH WEST	Harewali	11/3.	9412	Wet	3388	Yes, work completed in year 2007	8	27104

9	NORTH WEST	Khera Kalan	27/3.	22898	Wet	8243	Yes, work completed in year 2007. Improvement of lining and construction of steps Completed under A/A & E/S of Rs. 45.65 lacs (100%). Improvement and Construction of boundary wall (East South side) of pond bearing Kh. No. <u>133</u> 37/26,52/26 is in progress (60%)	8	65944
10	NORTH WEST	Khera Khurd	28-16	24281	Wet	8741	Yes, work completed in year 2007	8	69928
11	NORTH WEST	Khera Khurd	Aug-13	7658	Dry		Yes, work completed in year 2007	8	
12	NORTH WEST	Lampur	14-16	12482	Dry		Yes, work completed in year 2007	8	
13	NORTH WEST	Prahladpur banger	Oct-18	9190	wet	3308	Yes, work completed I year 2007. Scheme amounting to Rs. 179.57 lacs cleared in DRDB meeting held on 23.05.2012 A/A & E/S Awaited.	8	26464
14	NORTH WEST	Sannoth	36-4	30531	Wet	10991	Yes, work completed in year 2007	8	87928
15	NORTH WEST	Singhola	12/1.	10163	Dry		Yes, work completed in year 2007	8	
16	NORTH WEST	Siraspur	10/3.	8558	Dry		Yes, work completed in year 2007	8	
17	NORTH WEST	Tikri Khurd	4/16.	4048	Wet	1457	Yes, work completed in year 2007. Boundary wall, footpath, deepening except lining.	8	11656
18	NORTH WEST	Tikri Khurd	10-0	8434	Wet				
		Tikri Khurd			Wet	3036	Yes, work completed in year 2007. Boundary wall, deepening since this water body is away from Urban area footpath / lining not done.	8	24288
			Total			76126			609008

NORTH-WEST AREA

S. No.	District	Village	Khasra No.	Area [Sq.M.]	Present Status	Annual Recharge [Cu.M.]	Completion Date	No. of Years of Operation	Total Recharge (Cu.M)
1	2	3	4	5	6	7	8	9	10
1	NORTH WEST	Auchandi	89	23995	Wet	8638	Yes, Work completed in year 2007	8	69104
2	NORTH WEST	Auchandi	85	8557	Wet	3081	Yes, Work completed in year 2007	8	24648
3	NORTH WEST	Auchandi	88		Dry		Yes, Work completed in year 2007	8	
4	NORTH WEST	Auchandi	45/6/1, 7		Dry		Yes, Work completed in year 2007	8	
5	NORTH WEST	Bawana	130/4 min	3205	Dry		Yes, Work completed in year 2007	8	
6	NORTH WEST	Bawana	206/1	3795	Dry		Yes, Work completed in year 2007	8	
7	NORTH WEST	Bawana	161/1	1349	Dry		Yes, Developed except lining in year 2007	8	
8	NORTH WEST	Bawana	203		Dry		Yes, Work completed in year 2007	8	
9	NORTH WEST	Bajitpur Thakran	30/9/1, 10	4807	Wet	1731	Yes, Developed except lining in year 2007	8	13848
10	NORTH WEST	Bajitpur Thakran	76/8	4048	Dry		Yes, Work completed in year 2007	8	
11	NORTH WEST	Bajitpur Thakran (Dada Maldev Temple)	22/4, 5	8095	Dry		Yes, Work completed in year 2007	8	
12	NORTH WEST	BudanPur Majra	10/24, 11/4, 7, 13, 14, 17, 18, 23 min, 24	17922	Wet	6452	Yes, Work completed in year 2007	8	51616

13	NORTH WEST	BudanPur Majra	36/3, 36/7, 8	10543	Wet	3795	Yes, work completed in year 2007 & Kh. No. 36/3 not completed	8	30360
14	NORTH WEST	BudanPur Majra	13/2, 10/2, 13/20				Yes, work completed & Kh. No. 13/20 not completed	8	
15	NORTH WEST	BudanPur Majra	49	36300	Dry		Yes, Work completed in year 2007	8	
16	NORTH WEST	Chandpur	33/5, 6	2000	Wet	720	Yes, Work completed in year 2007	8	5760
17	NORTH WEST	Garhi Randhala	24	4048	Dry		Yes, Work completed in year 2007	8	
18	NORTH WEST	Garhi Randhala	165	8052	wet	2899	Yes, Work completed in year 2007	8	23192
19	NORTH WEST	Ghewra	212	10820	Dry		Work of deepening, three side of B/wall and Ghat completed in year 2007.	8	
20	NORTH WEST	Jaunti	225	24754	Wet	8911	Yes, boundary wall, ghat, walkway, lining completed in year 2007	8	71288
21	NORTH WEST	Jaunti	28-07-2002	1223	Dry		Yes, boundary wall, ghat, walkway, lining completed in year 2007	8	
22	NORTH WEST	Jaunti	255	8223	Dry		Yes, boundary wall, ghat, walkway, lining completed in year 2007	8	
23	NORTH WEST	Jaunti	86/4/2, 22/1	2151	Dry		Yes, boundary wall, ghat, walkway, lining completed in year 2007	8	
24	NORTH WEST	Jatkore	16/20, 17/24	5440	Dry		Yes, work completed in yaer 2007 in Kh. No. 16/20 & in Kh. No. 17/24 MPCC exists	8	
25	NORTH WEST	Jatkore	35/25	6490	Wet	2336	Yes, work completed in year 2007	8	18688

26	NORTH WEST	Katewra	473, 474, 477, 479	16193	Wet	5829	Yes, work completed in year 2007	8	46632
27	NORTH WEST	Katewra	692	4048	Dry		Yes, work completed in year 2007	8	
28	NORTH WEST	Katewra	824	5944	Dry		Yes, work completed in year 2007	8	
29	NORTH WEST	Kirari	1270	13229	Wet	4762	Yes, work completed in year 2007	8	38096
30	NORTH WEST	LadpurKh.	80/14/2,17/1	3752	Wet	1351	Boundary wall ghat deepening completed in year 2007.	8	10808
31	NORTH WEST	Ladpur	77/22/2, 23/2 & 24/1	5120	Wet	1843	Yes, work completed in year 2007	8	14744
32	NORTH WEST	Mungeshpur	314/2, 308/2	5735	Dry		Yes, work completed in year 2007	8	
33	NORTH WEST	Mungeshpur	Apr-21	4048	Dry		Yes, work completed in year 2007	8	
34	NORTH WEST	Mungeshpur	Nov-26	4048	Dry		Yes, work completed in year 2007	8	
35	NORTH WEST	MadanPur Dabas	77/2	26441	Wet	9519	Yes, work completed in year 2007	8	76152
36	NORTH WEST	MadanPur Dabas	79		Wet		Yes, work completed in year 2007	8	
37	NORTH WEST	MadanPur Dabas	76	9105	wet	3278	Yes, work completed in year 2007	8	26224
38	NORTH WEST	Nangal Thakran	87	7600	dry		Yes, work completed in year 2007	8	
39	NORTH WEST	Nangal Thakran	9/3, 4, 7 & 8	2000	wet	720	Yes, work completed in year 2007	8	5760
40	NORTH WEST	Nizampur	13/11, 12, 19, 20	16109	Dry		Yes, work completed in year 2007	8	
41	NORTH WEST	Nizampur	28/19	4048	Dry		Yes, work completed in year 2007	8	

42	NORTH WEST	Nizampur	335	3325	Dry		Yes, work completed in year 2007	8	
43	NORTH WEST	Nizampur	30/6, 31/10, 11	11976	Dry		Yes, work completed in year 2007	8	
44	NORTH WEST	Nithari	35/15	4048	Wet	1457	Yes, work completed in year 2007	8	11656
45	NORTH WEST	Nithari	24/26	22519	Dry		Yes, work completed in year 2007	8	
46	NORTH WEST	Pooth Khurd	135	6705	Wet	2414	Yes, work completed in year 2007	8	19312
47	NORTH WEST	Punjab Khore	515	16741	Wet	6027	Yes, work completed in year 2007	8	48216
48	NORTH WEST	Pooth Kalan	30/24, 30/25	19946	Wet	7181	Yes, lake developed by DDA in year 2007	8	57448
49	NORTH WEST	Qutabgarh	126/2	5018	Wet	1806	Yes, work completed in year 2007	8	14448
50	NORTH WEST	Qutabgarh	107/2	10820	Dry		Yes, work completed in year 2007	8	
51	NORTH WEST	Rani Khera	89, 90	2910	Wet	1048	Yes, work completed in year 2007	8	8384
52	NORTH WEST	Rani Khera	74/2	14966	Wet	5388	Yes, work completed in year 2007	8	43104
53	NORTH WEST	RasoolPur	29	4639	Wet	1670	Yes, work completed in year 2007	8	13360
54	NORTH WEST	RasoolPur	33	4597	Dry		Yes, work completed in year 2007	8	
55	NORTH WEST	RasoolPur	52	2319	Wet	835	Yes, work completed in year 2007	8	6680
56	NORTH WEST	Sawda	229	32808	Dry		Yes, work completed in year 2007	8	
57	NORTH WEST	Salahpur Majra	20/12, 13, 14	12040	Wet	4334	Yes, work completed in year 2007	8	34672
58	NORTH WEST	SultanPur Dabas	35/37	6192	Dry		Yes, work completed in year 2007	8	

59	NORTH WEST	Tatesar	17/2, 3, 8, 9	16193	Wet	5829	Yes, work completed in year 2007	8	46632
Total						103854			830832

North-West Distt [DSIIDC]

S. No.	District	Village	Khasra No.	Area [Sq.M.]	Present Status	Annual Recharge [Cu.M.]	Completion Date	No. of Years of Operation	Total Recharge (Cu.M)
1	2	3	4	5	6	7	8	9	10
1	NORTH WEST	Bawana	108/25	2000	Wet	720	Yes, work completed in year 2007	8	5760
2	NORTH WEST	Nizampur	49/6/1 & 50/10	2000	Wet	720	Yes, work completed in year 2007	8	5760
3	NORTH WEST	Nithari	23/5 & 24/1	2000	Wet	720	Yes, work completed in year 2007	8	5760
Total						2160			17280

South Distt. [I & FC]

S. No.	District	Village	Khasra No.	Area [Sq.M.]	Present Status	Annual Recharge [Cu.M.]	Completion Date	No. of Years of Operation	Total Recharge (Cu.M)
1	2	3	4	5	6	7	8	9	10
1	SOUTH	Aya Nagar	1704	2210	50% Wet/ 50% Dry	795	Yes, work completed in year 2007 Now as per direction of worthy Chief Secretary, Delhi vide letter Dt. 19.06.14 the pond may be cleaned by S.D.M.C.	8	6360
2	SOUTH	Aya Nagar	1575	17699	Dry		Yes, Work of Boundary wall Completed. A/A & E/S for the remaining works of scheme amounting to Rs. 44.99 lacs received on 23.08.12. Work Completed in May 2014	1	
3	SOUTH	Jonapur	194	9564	Dry		Yes, work completed in year 2007	8	
4	SOUTH	Jonapur	122	13144	Dry		Yes, Work Completed in October 2014	1	
5	SOUTH	Maidan Garhi.	554/2	27305	Dry		Yes, work completed in year 2007	8	
6	SOUTH	Neb Sarai	84	3538	Dry		Yes, work completed in year 2007	8	
7	SOUTH	Rajpur.	38	6569	50% Wet/ 50% Dry	2364	Yes, work completed in year 2007	8	18912
Total						3159			25272

South-West Distt. [I & FC]

S. No.	District	Village	Khasra No.	Area [Sq.M.]	Present Status	Annual Recharge [Cu.M.]	Completion Date	No. of Years of Operation	Total Recharge (Cu.M)
1	2	3	4	5	6	7	8	9	10
1	SOUTH WEST	Aslatpur Khawad	9/6/2.	2530	Wet	911	Yes , Work completed on 27.10.2008	7	6377
2	SOUTH WEST	Aslatpur Khawad	9/15.	4048	Dry		Yes , Work completed on 27.10.2008.	7	
3	SOUTH WEST	Aslatpur Khawad	15/7.	4048	Dry		Yes , Work completed on 20.01.2009.	6	
4	SOUTH WEST	Aslatpur Khawad	15/24	4048	Dry		Yes , Work completed 20.01.2009.	6	
5	SOUTH WEST	Badusarai	49	3795	Dry		Yes, Work completed on 30.1.2008.	7	
6	SOUTH WEST	Badusarai	44	10964	Dry		Yes, Work completed on 18.07.2008.	7	
7	SOUTH WEST	Bijwasan	17, 28, 23/24	14084	Dry		Yes, work completed in year 2007	8	
8	SOUTH WEST	Bijwasan	168	17507.47	Dry		Yes, work completed on 06.01.14. . A/A & E/S of Rs. 43.93 lacs for Improvement work received. Work under process for award.	1	

9	SOUTH WEST	Chhawla	7/27.	8350	Wet	3006	Yes, Work completed on 04.04.2007. Scheme amounting to Rs. 40.87 lacs approved at S.No. 28 in meeting held on 02.02.2011, A/A & E/S awaited.	8	24048
10	SOUTH WEST	Chhawla.	199 , 200, 29/20, 28/16 & 21/1	12523	Wet	4508	Yes, work completed on 03.03.2009	6	27048
11	SOUTH WEST	Daulatpur	29/7.	7338	Dry		Yes, work completed on 30.09.2008.	7	
12	SOUTH WEST	Daulatpur	22/26	5566	Dry		Yes, work completed 29.09.2008.	7	
13	SOUTH WEST	Dindarpur	1087/234	26270	Dry		Yes, work completed in year 2007	8	
14	SOUTH WEST	Ghitorni	437	-	Dry		Yes, Work completed on 05.05.11.	4	
15	SOUTH WEST	Ghumanhera	101	3795	Dry		Yes, Work completed in year 2007	8	
16	SOUTH WEST	Ghumanhera	105	7295	Dry		Yes, Work completed on 18.03.2008.	7	
17	SOUTH WEST	Hassanpur	74	9885	Dry		Yes, Work completed on 30.08.2008.	7	
18	SOUTH WEST	Hassanpur	65	-	Dry		Yes, Work completed on 20.05.2011.	4	
19	SOUTH WEST	Jaunapur	5/15 & 6/11	6536	Dry		Yes, work completed on 27.10.2008.	7	
20	SOUTH WEST	Jhattikara	101	5819	Dry		Yes, work completed on 23.01.2007.	8	
21	SOUTH WEST	KanganHeri	78		Dry		Yes, Work Completed on 18.01.2011.	4	
22	SOUTH WEST	KanganHeri	32/7, 32/14	4048, 3879	Dry		Yes , Work completed on 04.03.2009.	6	

23	SOUTH WEST	Karkhari Nahar	6/11/2.	4682	Dry		Yes , Work completed on 27.10.2009.	6	
24	SOUTH WEST	Khaira	185	4850	Dry		Yes, Work completed on 04.07.2011.	4	
25	SOUTH WEST	Khaira	79	2235	-		Yes, Work completed on 19.06.2012.	3	
26	SOUTH WEST	Kharkhari Nahar	23/27	1813	Dry		Yes, Work completed in year 2007 scheme amounting to Rs. 15.29 lacs for lining and footpath submitted. A/A & E/S is awaited.	8	
27	SOUTH WEST	Kutbapur	27	18766	Dry		Yes, work completed in year 2007	8	
28	SOUTH WEST	Paprawat	181	-	Dry		Yes, work completed and handed over to BDO on dated 13.01.2012.	3	
29	SOUTH WEST	Paprawat	183	18808	Wet	6771	Yes, work completed on 13.10.2008.	7	47397
30	SOUTH WEST	Paprawat	182	5525	Dry		Yes, work completed on 23.03.2010.	5	
31	SOUTH WEST	Paprawat	146	-	Dry		Yes, work completed on 20.09.2011.	4	
32	SOUTH WEST	Pindwala Kalan	68	6156	Wet	2216	Yes, work completed on 15.09.2008.	7	15512
33	SOUTH WEST	Pindwala Kalan	73	5525	Dry		Yes, work completed on 28.04.2008.	7	
34	SOUTH WEST	Pindwala Khurd	31/4	4006	Dry		Yes, work completed on 26.03.2009.	6	
35	SOUTH WEST	Pindwala Khurd	31/8.	3584	Dry		Yes, work completed on 02.04.2009.	6	
36	SOUTH WEST	Raghopur	13/9/2, 10/2 & 8/11	7618	Dry		Yes, Work completed on 24.02.2010.	5	
37	SOUTH WEST	Raghopur	17/12.		Dry		Yes, Work completed on 26.04.2010.	5	

38	SOUTH WEST	Raghopur	23/20/1	5253	Dry		Yes, Work completed on 24.02.2010.	5	
39	SOUTH WEST	Rajokari	695	4765	Dry		Yes, work completed on 01.10.2006.	9	
40	SOUTH WEST	Rajokari	446	34000	Dry		Yes, work completed on 13.01.15. A/A & E/S of Rs.7.01 Lac issued on dated 05/09/2014 for construction of boundary wall (remaining portion) Work completed (Jan 2015)	1	
41	SOUTH WEST	Rangpuri	105	5440	Dry		Yes, work completed on 17.03.2008.	7	
			Raddision Hotel						
42	SOUTH WEST	Rangpuri	660	10627	Dry		Yes, work completed 26.12.2008.	7	
43	SOUTH WEST	Rangpuri	1800, 1801,	4048	Wet	1457	Yes, work completed in year 2007	8	11656
			1819, 1820,						
			1821, 1822						
44	SOUTH WEST	Rawta	37/26, 36/11	5693	Wet	2049	Yes, work completed in year 2007	8	16392
45	SOUTH WEST	Rawta	32/18/1 & 19/1	4976	Wet	1791	Yes, Work completed on 07.02.2008.	7	12537
46	SOUTH WEST	Rewla Khanpur	76	3000	Wet	1080	Yes, work completed on 08.08.2009.	6	6480
47	SOUTH WEST	Rewla Khanpur	81		Dry		Yes, work completed on 09.04.2010.	5	
48	SOUTH WEST	Samalkha	54	6663	Dry		Yes, work completed on 29.10.2005.	10	

49	SOUTH WEST	Salahpur	16/15		Dry		Yes, work completed on 05.05.15. Works consist of 2 nos. RCC framed structures huts, repair of pitching and Patra, interlocking tiles around pond, precast RCC railing on boundary wall, Kota stone flooring and 10 Nos. RCC benches.	1	
50	SOUTH WEST	Shikarpur	96	15096	Dry		Yes, Work completed on 15.04.2009.	6	
51	SOUTH WEST	Shikarpur	98	8687	Dry		Yes, Work completed on 15.12.2006.	9	
Total						23789			167447

South – West Distt. [DSIIDC]

S. No.	District	Village	Khasra No.	Area [Sq.M.]	Present Status	Annual Recharge [Cu.M.]	Completion Date	No. of Years of Operation	Total Recharge (Cu.M)
1	2	3	4	5	6	7	8	9	10
1	SOUTH WEST	Badusarai	51	4427	Wet	1593	Already developed by DSIIDC in year 2007	8	12744
2	SOUTH WEST	Chawla	96	2000	Wet Dirty Water	720	Yes, work completed in year 2007	8	5760

3	SOUTH WEST	Chawla	192	2000	Wet Dirty Water	720	Yes, work completed in year 2007	8	5760
4	SOUTH WEST	Chawla	215	2000	Wet Dirty Water	720	Yes, work completed in year 2007	8	5760
5	SOUTH WEST	Daulatpur	41	2000	Wet	720	Yes, work completed in year 2007	8	5760
6	SOUTH WEST	Ghumanhera	100	7084	Dry		Yes, work completed in year 2007	8	
7	SOUTH WEST	Ghumanhera	103		Dry		Yes, work completed in year 2007	8	
8	SOUTH WEST	Kapashera	664/1	6030	wet	2170	Yes, work completed in year 2007	8	17360
9	SOUTH WEST	Kharkhari Nahar	35	13030	wet	4690	Yes, work completed in year 2007	8	37520
10	SOUTH WEST	Rajokari	1234/11	9446	wet	3400	Yes, work completed in year 2007 Scheme sent to Dy. Commissioner (South West) A/A & E/S awaited Rs. 31.50	8	27200
11	SOUTH WEST	Rewla Khanpur	46/29	9362	Wet Dirty Water	3370	Yes, work completed in year 2007	8	26960
12	SOUTH WEST	Rewla Khanpur	98	2000	Wet Dirty Water	720	Yes, work completed in year 2007	8	5760
13	SOUTH WEST	Daryapur	66	5500	wet	1980	Yes, work completed in year 2007	8	15840
Total						20803			166424

SOUTH - WEST AREA

S. No.	District	Name of village / Water Body	Kh. No.	Area (in Sqm)	Present position Wet / Dry	Annual Recharge [Cu.M.]	Completion Date	No. of Years of Operation	Total Recharge (Cu.M)
1	2	3	4	5	6	7	8	9	10
1	SOUTH WEST	Bakkargarh	76	8181	Wet	2945	Work completed on 17.10.2012	3	8835
2	SOUTH WEST	Bakkargarh	77	4723	Wet	1700	Work completed on 15.04.08	7	11900
3	SOUTH WEST	Bakkargarh	78	4554	Dry		Work completed on 08.09.08	7	
4	SOUTH WEST	Daryapur Khurd	6/26.	2066	Wet	744	Work completed on 28.01.08	7	5208
5	SOUTH WEST	Daryapur Khurd	321	19773	Dry		Work completed in year 2007	8	
6	SOUTH WEST	Dhansa	137	9868	Dry		Work completed on 15.03.08	7	
7	SOUTH WEST	Dhansa	138	2699	Dry		Work completed on 24.03.08	7	
8	SOUTH WEST	Dhansa	152	8097	Dry		Work completed on 28.02.09	6	
9	SOUTH WEST	Dhansa	153	10964	Dry		Work completed on 14.03.09	6	
10	SOUTH WEST	Dichaon Kalan	97/15/2	3584	Wet	1290	Work completed on 28.02.08	7	9030
11	SOUTH WEST	Ghumanhera	99	15561	Dry		Work completed in year 2007	8	

12	SOUTH WEST	Issapur	149	20579	Dry		Work completed by villagers in year 2007	8	
13	SOUTH WEST	Issapur	150	10669	Dry		Work completed on 28.11.08	7	
14	SOUTH WEST	Issapur	152	8097	Dry		Work completed on 14.08.08	7	
15	SOUTH WEST	Issapur	148	5609	Dry		Work completed on 24.01.13	2	
16	SOUTH WEST	Issapur	153	1518	Dry		Work completed on 20.01.08.	7	
17	SOUTH WEST	Issapur	151	8814	Dry		Work completed on 28.11.08	7	
18	SOUTH WEST	Issapur	126	15019	Wet	5407	Work completed on 12.01.09	6	32442
19	SOUTH WEST	Jaffarpur Kalan	473	5103	Wet	1837	Work completed on 17.07.08	7	12859
20	SOUTH WEST	JharodaK alan	19/9.	11217	Dry		Work completed in year 2007	8	
21	SOUTH WEST	Kair	26/7-14.	2235	Wet	805	Work completed on 29.02.08	7	5635
22	SOUTH WEST	Kair	29/2.	6072	Dry		Work completed on 15.05.08	7	
23	SOUTH WEST	Kair	44/22/1	4386	Wet	1579	Work completed on 20.01.08.	7	11053
24	SOUTH WEST	Kair	64/2, 3	17796	Wet	6407	Work completed on 30.05.06.	9	57663
25	SOUTH WEST	Kair	19/24	10838	Wet	3902	Work completed on 30.09.09	6	23412

26	SOUTH WEST	Kharkhari Rond	50	17623	Dry		Work completed on 13.04.09	6	
27	SOUTH WEST	Khera Dabar	51	8476	Wet	3051	Work completed on 02.06.08	7	21357
28	SOUTH WEST	Khera Dabar	53	15308	Wet	5511	Work completed on 17.07.08.	7	38577
29	SOUTH WEST	Malikpur	42/9/2	3922	Wet	1412	Work completed on 14.02.08.	7	9884
30	SOUTH WEST	Mitraon	214	15350	Wet	5526	Work completed on 17.03.08	7	38682
31	SOUTH WEST	Mitraon	220	8054	Dry		Work completed on 30.06.08.	7	
32	SOUTH WEST	Mundella Kalan	43/12	5777	Wet	2080	Work completed on 15.04.08	7	14560
33	SOUTH WEST	Mundella Kalan	64/24/2	2910	Dry		Work completed on 18.12.06.	9	
34	SOUTH WEST	Mundhella Khurd	1/41.	16995	Dry		Work completed on 09.03.09	6	
35	SOUTH WEST	Mundhella Khurd	1/230	2235	Wet	805	Work completed on 15.04.08	7	5635
36	SOUTH WEST	Mundhella Khurd	1/444	20790	Wet	7484	Work completed on 08.09.08.	7	52388
37	SOUTH WEST	Mundhella Khurd	1/334	759	Wet	273	Work completed on 13.04.09	6	1638
38	SOUTH WEST	Nangli Sakrawati	52	2909	Wet	1047	Work completed on 04.09.09.	6	6282
39	SOUTH WEST	Qazipur	31	7675	Dry		Work completed on 09.03.09.	6	
40	SOUTH WEST	Samaspur Khalsa	36/30	6536	Dry		Work completed on 17.07.08.	7	

41	SOUTH WEST	Surakhpur	64	6072	Wet	2186	Work completed on 22.04.08.	7	15302
42	SOUTH WEST	Surakhpur	204	3627	Dry		Work completed on 15.01.08	7	
43	SOUTH WEST	Surhera	15/1/2.	43604	Dry		Work completed on 20.12.08.	7	
44	SOUTH WEST	Surhera	28/23	3205	Wet	1154	Work completed on 28.02.08.	7	8078
45	SOUTH WEST	Surhera	38/23	14928	Dry		Work completed on 24.04.08	7	
46	SOUTH WEST	Surhera	40/1/2	11175	Dry		Work completed on 17.07.08.	7	
47	SOUTH WEST	Surhera	42/12/1	6030	Wet	2171	Work completed in year 2007	8	17368
48	SOUTH WEST	Ujwa	109	3374	Wet	1215	Work completed on 17.09.08	7	8505
49	SOUTH WEST	Ujwa	123	3036	Wet	1093	Work completed on 30.04.08	7	7651
50	SOUTH WEST	Ujwa	126	17627	Wet	6346	Work completed on 13.10.08.	7	44422
51	SOUTH WEST	Ujwa	129	14506	Wet	5222	Work completed on 16.07.08.	7	36554
52	SOUTH WEST	Ujwa	103	3837	Dry		Work completed on 31.03.08.	7	
53	SOUTH WEST	Ujwa (Tripoli)	98	20031	Dry		Work completed on 31.03.08.	7	
54	SOUTH WEST	Daryapur	66				Work completed in year 2007	8	
Total						73192			504920

WEST

S. No.	District	Village	Khasra No.	Area [Sq.M.]	Present Status	Annual recharge [Cu.M.]	Completion Date	No. of Years of Operation	Total Recharge (Cu.M)
1	2	3	4	5	6	8			
1	WEST	Bakkarwala	10-10-2002	1265	Wet, Clear water	455	Yes, work completed in year 2007	8	3640
2	WEST	Bakkarwala	91/2	16109	Wet, Clear water	5799	Yes, work completed in year 2007	8	46392
3	WEST	Baprola	55/11/2	843	Dry	303	Yes, work completed in year 2007	8	2424
4	WEST	Hiran kundra	415	13915	Wet, Dirty water	5009	Yes, work completed in year 2007	8	40072
5	WEST	Hiran kundra	564	13698	wet	4931	Yes, work completed in year 2007	8	39448
6	WEST	Hiran kundra	134	9950	Wet, Dirty water	3582	Yes, work completed in year 2007	8	28656
7	WEST	Mundka	163	4048	Wet, Dirty water	1457	Privately well maintained water body (2007)	8	11656
8	WEST	Nangloi Jat	64/4/2 (Old)126(New) (SainiMohalla Pond)	1054	Dry		Yes, work completed in year 2007& handed over to BDO (West)	8	
9	WEST	Neelwal	55	12103	Wet, Clear water	4357	Yes, work completed Estimate has been received from H.O.O till 2007. (Hort.) for tree plantation which is under scrutiny for issuance of funds.	8	34856
10	WEST	Qamruddin Nagar	38/1/2	2000	Wet	720	Yes, work completed in year 2007& handed over to BDO (West)	8	5760

11	WEST	Ranhola	59	11465	Wet	4127	Work completed A/A & E/S amounting to Rs. 52.24 Lacs received on Dated 01/10/2014 for improvement of existing water body. Tender opened on 12/12/2014 and Work awarded. Work is in progress (80%) the progress is being delayed as the local villagers are carrying thier functions in the vacant land. (2007)	8	33016
12	WEST	Tilangpur Kotla	19	7633	Wet	2748	Yes, work completed Estimate has been received from H.O.O. (Hort.) for tree plantation which is under scrutiny for issuance of funds.	8	21984
13	WEST	Tikri Kalan	480 Min (Naina Palki)	8729	Dry		Yes, work completed in year 2007	8	
14	WEST	Tikri Kalan	478 min	4470	Dry		Yes, work completed in year 2007 & handed over to BDO (West)	8	
15	WEST	Tikri Kalan	488	2277	Dry		Yes, work completed in year 2007 & handed over to BDO (West)	8	
16	WEST	Tikri Kalan	486	4048	Wet, Clear water	1457	Yes, work completed in year 2007 & handed over to BDO (West)	8	11656
17	WEST	Tikri Kalan	487/3	9783	Wet, Clear water	3522	Yes, work completed in year 2007 & handed over to BDO (West)	8	28176
18	WEST	Tikri Kalan	484	5675	Wet, Dirty water	2043	Yes, work completed in year 2007	8	16344
Total						40510			324080

7.0 The total annual recharge from wet waterbodies has been estimated at 3,59,505 Cu.M.

Total Recharge Achieved as on Date		
Sl.No	Region	Total Recharge (Cu.M)
1	Central District [I & FC]	68256
2	North District [I & FC]	39224
3	NE DISTT. WATERBODIES [DSIIDC]	23040
4	NE DISTT. WATERBODIES [I & FC]	12616
5	North West District [I & FC]	609008
6	NORTH-WEST AREA	830832
7	North-West Distt [DSIIDC]	17280
8	South Distt. [I & FC]	25272
9	South-West Distt. [I & FC]	167447
10	South – West Distt. [DSIIDC]	166424
11	SOUTH - WEST AREA	504920
12	WEST	324080
	TOTAL	2788399

8.0 The Total Recharge achieved as on date is 27,88,399 Cu.M



INTACH

71, Lodi Estate, New Delhi