

Park Detention and Recharge Feasibility Screening

A source-checked municipal park register with transparent storage, soil and groundwater assumptions

Prepared for
Municipal Corporation of Gurugram

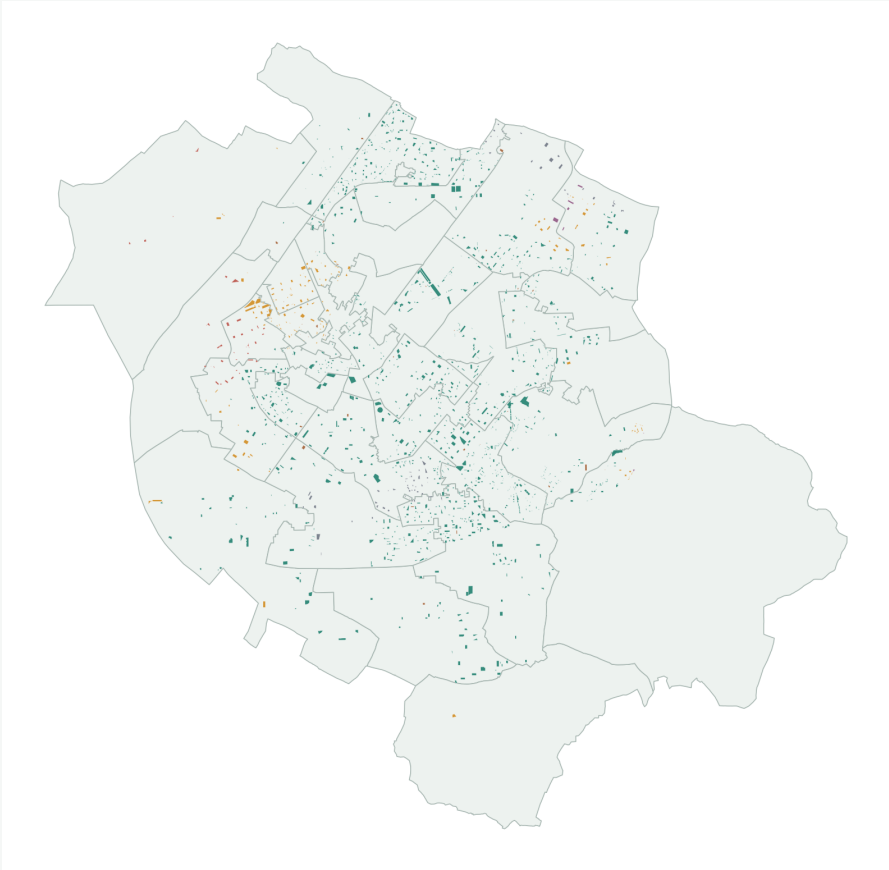
Issue date
02 August 2026

Inventory
PARKS_MCG_LIMIT_AREA, 05 June 2026

Prepared by IIT Gandhinagar | FloodAstra technical workflow

FOR MUNICIPAL CORPORATION OF GURUGRAM

1,782 MCG park polygons across 36 wards



457.5 ha
mapped gross park area

445,655 m³
10 cm building-free envelope

1,624
parks with released recharge planning range

Reconnaissance only. A 50-75% potential-recharge range is reported after the Horton intake step. It assumes water is fully supplied and is not measured aquifer response; field infiltration, hydrogeology, groundwater, utility and water-quality checks remain mandatory.

1. Direct Answer

Confirmed: this report uses the MCG park-boundary layer supplied in the 05 June 2026 municipal utility package. It does not use the GMDA OneMap park inventory and it does not add OpenStreetMap open spaces.

How to read 'Loam (soil cell)': the nearest usable 250 m SoilGrids cell predicts a loam texture in the controlling 0-60 cm layer. This is a regional model value, not a park soil sample or infiltration test. A support distance of 0 km means the park lies inside that grid cell; it does not mean zero uncertainty.

1,782	457.5 ha	1	1,624
valid MCG park records	mapped gross park area	source record excluded as NOT PARK	parks with released recharge planning range

What the capacity numbers mean

Reported quantity	Calculation	Correct interpretation
10 cm detention envelope	Building-free mapped park area x 0.10 m	Gross geometric storage envelope if 10 cm could be spread across all mapped open area; not surveyed usable storage.
20 cm detention envelope	Building-free mapped park area x 0.20 m	Expanded sensitivity envelope; grading, freeboard, trees, paths, play areas, utilities, inlet/outlet and overflow can reduce it.
Near-saturated 6 h surface intake	Integrated Horton curve x 10% of building-free area	A continuously supplied soil-intake envelope under wet antecedent conditions; not aquifer recharge and not an event forecast.
Potential recharge planning range	Fully supplied Horton intake x 50-75%	A low sensitivity and the CGWB Master Plan average structure-efficiency assumption. It is not measured recharge and must be capped by event water actually delivered.
Moist 6 h sensitivity	Integrated Horton curve using the EPA moist-soil initial-rate screen	Shows sensitivity to lower antecedent wetness; actual intake is also limited by the delivered hyetograph and hydraulic connection.
Expanded footprint sensitivity	Near-saturated Horton intake x 25% of building-free area	Shows sensitivity to treatment footprint; it is not a recommended footprint or construction quantity.

No value in this report is a sanctioned recharge yield, recharge-well capacity, construction quantity or approval.

2. Source Confirmation and Data Boundaries

Layer	Source used	Role	Limit
MCG parks	PARKS_MCG_LIMIT_AREA; item title PARK_5_6_2026; municipal package dated 05 June 2026	Only candidate inventory used	A mapped park boundary is not land-title or current-use proof
Buildings	TUM GlobalBuildingAtlas LoD1 footprints	Subtract mapped building footprint from gross park area	Supplementary open-data layer; verify recent construction and non-building hardscape
Soil texture	ISRIC SoilGrids 2.0 mean sand/silt/clay, 250 m, 0-60 cm	Select the most restrictive mapped texture layer	Global model, coarse for an urban park; not a site infiltration test
Groundwater	CGWB NAQUIM 2.0 Gurugram Urban Area, Annexure I; 58 readings in 2023	Seasonal depth screen and distance to nearest official reading	Sparse observations; interpolation errors are large and shown explicitly
Terrain	2.5 m Cartosat-grid FloodAstra terrain context	Park elevation plus regional smoothed slope, 500 m relief and high-relief proximity	Topographic screen only; not a geology, fracture, land-status or park grading survey
Wards	36-ward MCG boundary supplied in project data	Current spatial ward assignment	79 source ward values differ from spatial assignment and are retained for QA

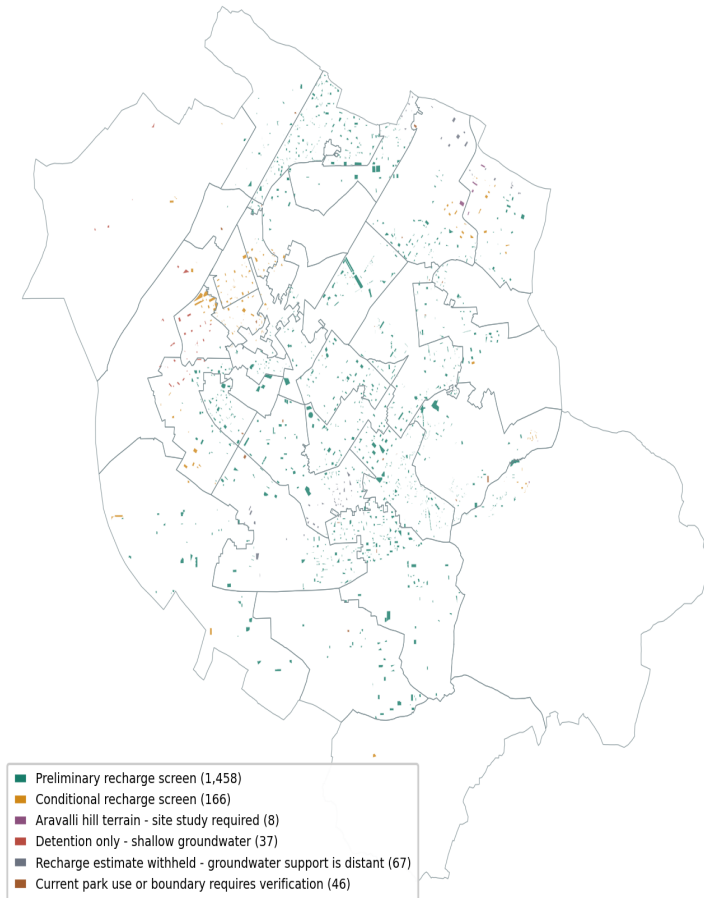
The park shapefile SHA-256 is **a72d0208fcdad77221f860016dac960c2bd65bef9a1787939c5e6d3b051dc46a** and matches the package inventory. All 1,782 included geometries are valid. One source record marked NOT PARK is excluded.

The municipal park layer and its ArcGIS lineage metadata are the evidence for calling these MCG park records. GMDA and OSM inventories are intentionally absent from this package.

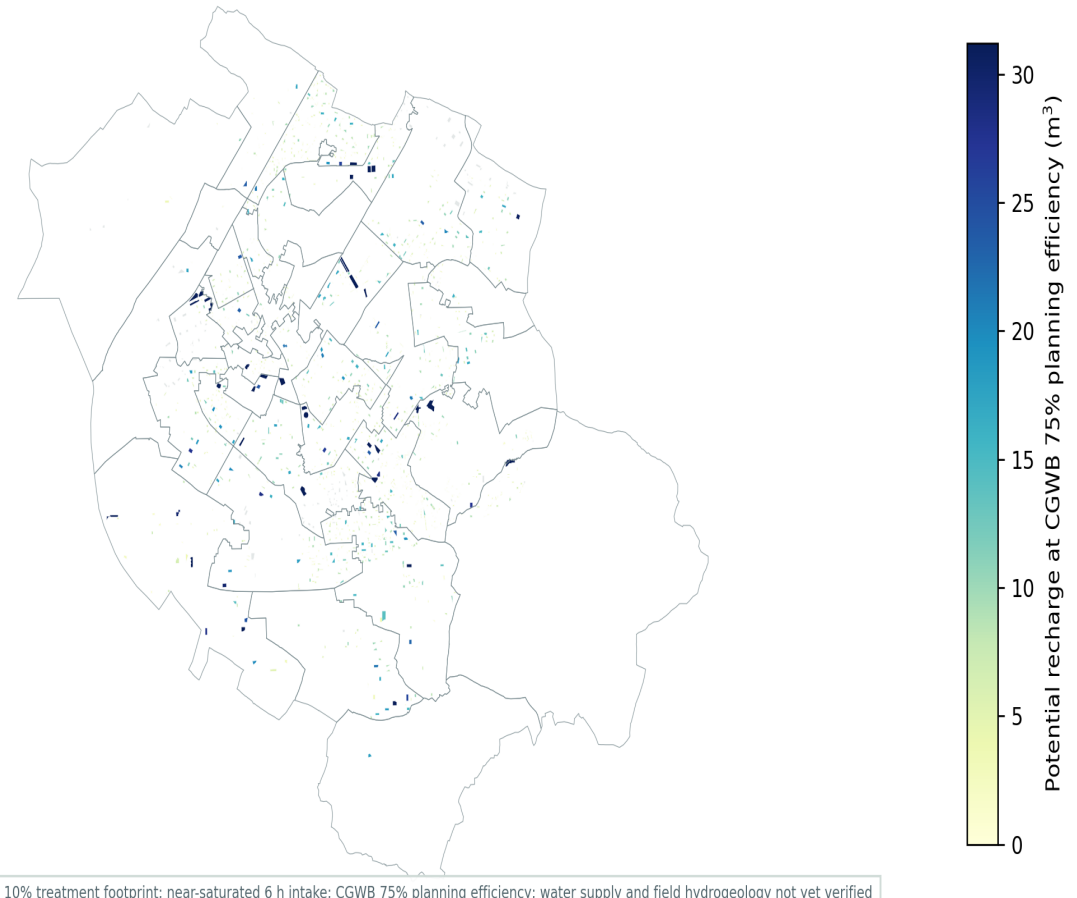
3. Citywide Capacity Screen

The left map shows why a park receives, conditionally receives, or does not receive a screening value. The right map shows the CGWB 75% planning case applied to the supported near-saturated six-hour Horton intake at a 10% treatment footprint.

MCG park screening status



Potential recharge planning envelope

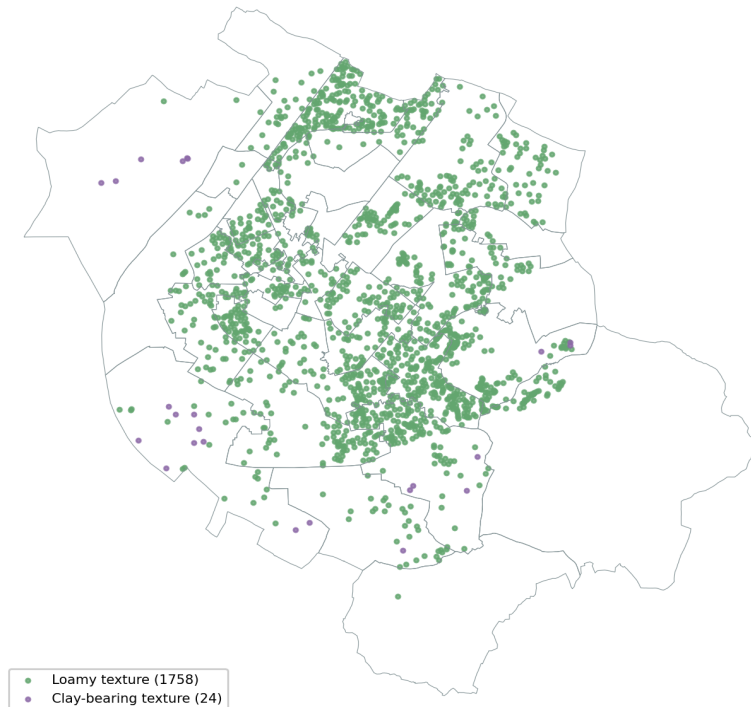


Grey or otherwise withheld locations remain valid detention-screen entries. A withheld recharge value means that groundwater, soil, current-use or steep/high-relief terrain evidence is not yet strong enough for a numeric recharge screen.

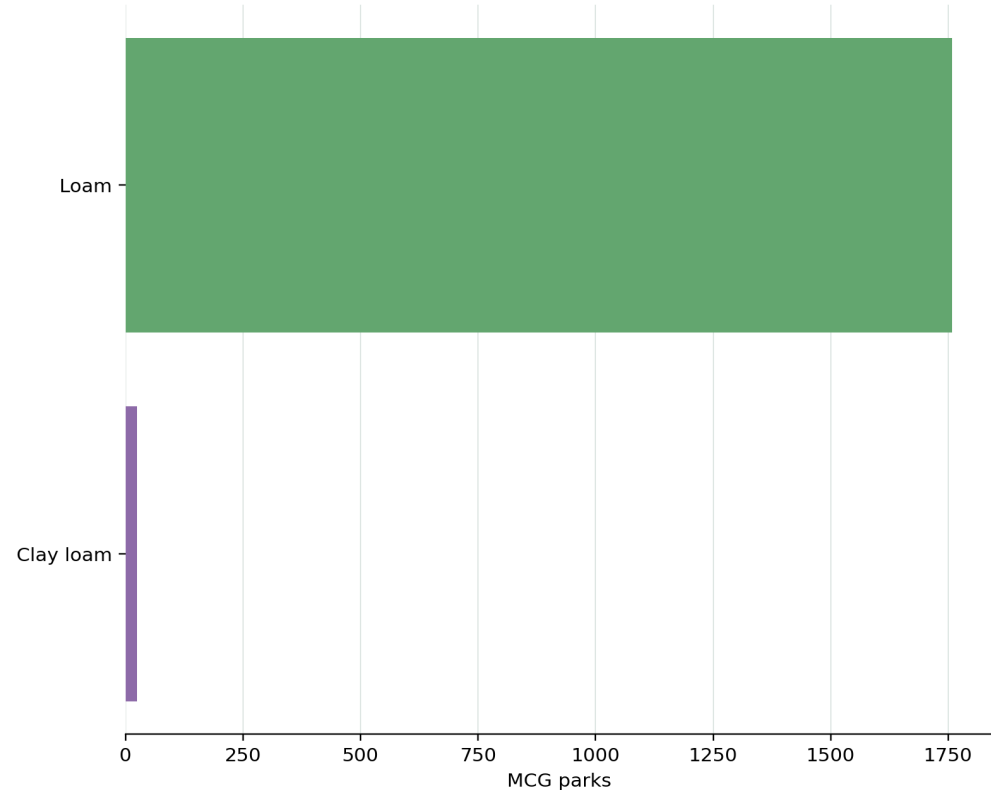
4. Soil-Texture Screening

SoilGrids sand, silt and clay predictions were sampled at four depth intervals from 0 to 60 cm. The most restrictive texture layer controls the rate so that a loamy surface does not hide a clay-bearing layer below it.

Controlling texture across 0-60 cm



Texture class distribution

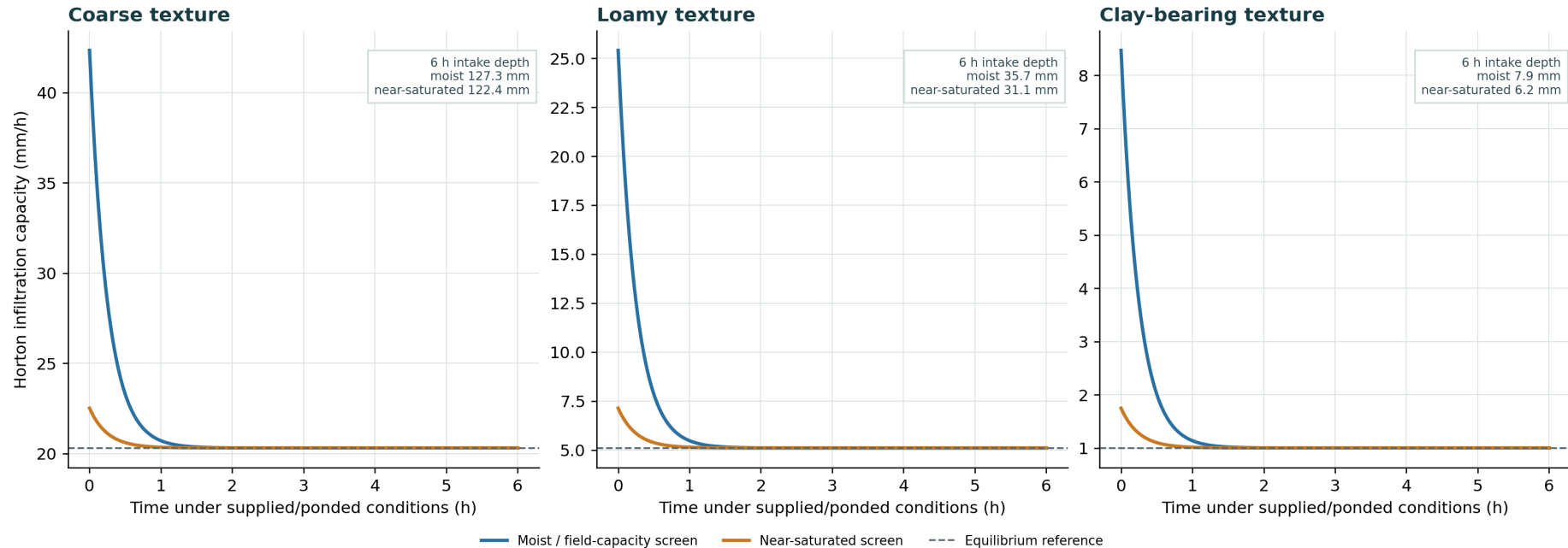


Controlling group	Lower reference used	Source range	Use in this report
Coarse texture	20.3 mm/h	USDA NRCS: sands >20.3 mm/h	Lower reported value only; field compaction may reduce it
Loamy texture	5.1 mm/h	USDA NRCS: 5.1-10.2 mm/h	Lower end used as the Horton equilibrium reference
Clay-bearing texture	1.0 mm/h	USDA NRCS: 1.0-5.1 mm/h	Lower end used; restrictive layers and compaction remain field checks

Important: soil texture alone does not determine recharge. Surface sealing, compaction, fill, buried utilities, restrictive layers, water quality and the receiving aquifer can all control performance.

4.1 Time-Varying Soil Intake

The earlier constant multiplication used the lower texture-rate reference as a conservative equilibrium-rate proxy. It did not start at a high dry-soil rate, but it also did not represent event evolution. The revised screen uses the EPA Horton form: capacity declines exponentially from an antecedent-condition-dependent starting rate toward the equilibrium rate.



Controlling group	Moist start	Near-saturated start	Equilibrium	Decay
Coarse texture	42.3 mm/h	22.5 mm/h	20.3 mm/h	4.0 h ⁻¹ ; EPA typical range 2-7
Loamy texture	25.4 mm/h	7.1 mm/h	5.1 mm/h	4.0 h ⁻¹ ; EPA typical range 2-7
Clay-bearing texture	8.5 mm/h	1.7 mm/h	1.0 mm/h	4.0 h ⁻¹ ; EPA typical range 2-7

The moist starting rate follows the EPA screening instruction to divide dry bare-soil references by three for soil at field capacity. EPA advises choosing a value close to the minimum for soil near saturation; this report uses only 10% of the moist-to-equilibrium excess as an explicit sensitivity assumption.

Critical distinction: the plotted curve is soil-surface intake capacity under continuously supplied or ponded conditions. Event infiltration is the lesser of this capacity and water actually delivered by the hyetograph and connected catchment. The next page converts supported intake screens into a planning recharge range, but that range is not measured aquifer response.

4.2 Potential Aquifer-Recharge Planning Range

Yes - a recharge quantity is useful at reconnaissance stage, provided it is presented as a conditional planning range. This report now shows 50-75% of the fully supplied Horton intake at supported sites. The 75% value is the average individual-structure recharge efficiency used by the CGWB Master Plan; 50% is an explicit conservative sensitivity, not a CGWB site measurement.

1,624	6,205 m³	9,308 m³	8
parks with a released range	50% sensitivity; fully supplied 6 h	CGWB 75% planning case; fully supplied 6 h	steep/high-relief sites withheld

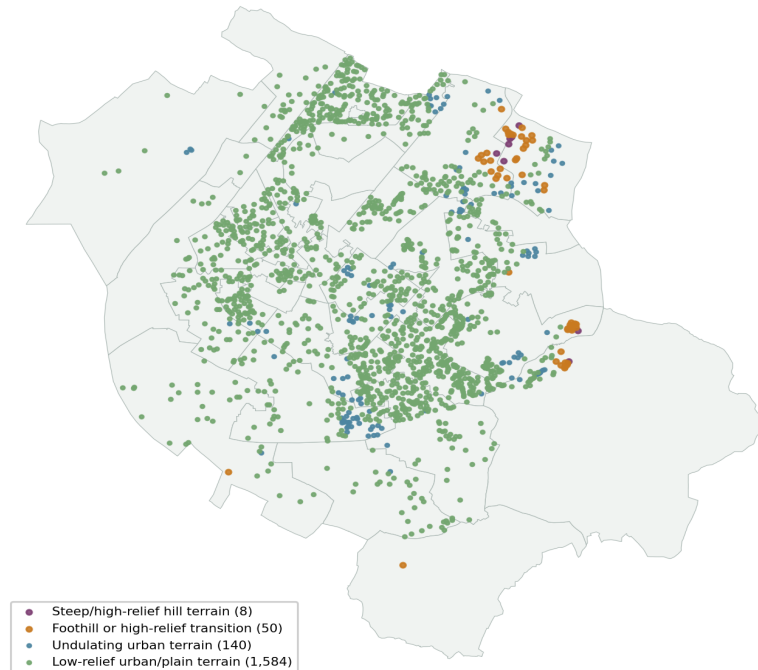
Step	Calculation used	What limits it
1. Water reaching the site	Connected runoff or stored water from the selected hyetograph and catchment	Not yet available in this citywide inventory; the six-hour values therefore assume continuous supply
2. Soil-surface intake	Minimum of delivered water and time-integrated Horton capacity	Texture, antecedent wetness, compaction, clogging and restrictive layers
3. Potential aquifer recharge	Supported intake x 50-75%	Vadose-zone storage, lateral loss, evapotranspiration, structure condition and receiving aquifer continuity
4. Operational value	Replace screening inputs with event inflow, field infiltration and groundwater-response observations	Only this calibrated step can support a site-specific annual or event recharge claim

Do not read the citywide totals as recharge from one storm. They are the sum of individual six-hour capacity screens under the deliberately strong assumption that every released park receives enough clean water continuously. Event-specific values must use the hyetograph and routed inflow, and annual recharge must use repeated events and monitored drawdown/recovery.

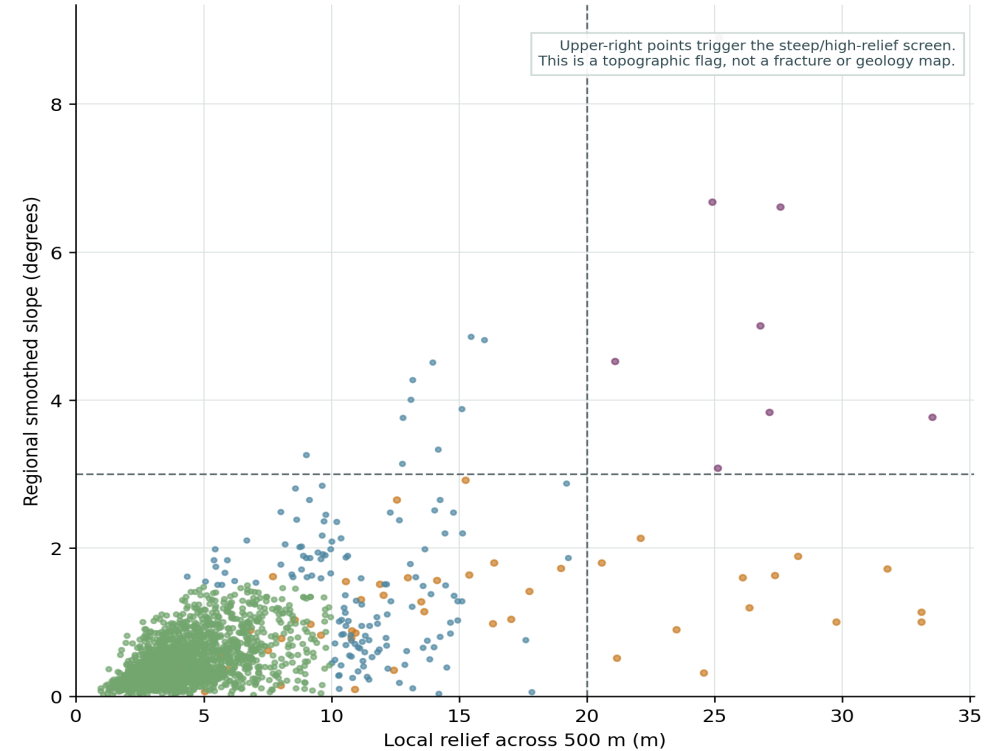
4.3 Aravalli Terrain: Where Recharge May and May Not Work

The correct answer is conditional. The Gurugram NAQUIM report identifies exposed quartzite and phyllite in the eastern and southern Aravalli terrain, states that ridge groundwater occurs in fractures, joints and crevices, and also reports low potential in far-southern quartzite and localized, discontinuous fresh-water pockets. A topographic hill flag therefore cannot be treated as either proof of recharge or proof of infeasibility. The map below is a regional terrain screen, not a geology, fracture, protected-land or site-geophysics map.

Regional terrain setting at MCG parks



Why a hill-site volume is withheld

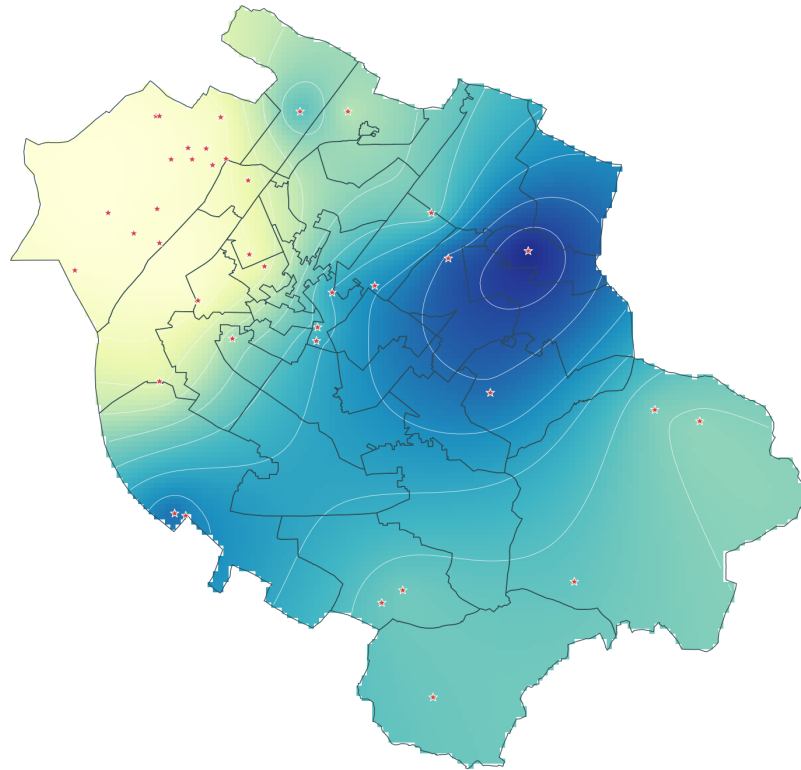


Terrain setting	Why recharge could work	Why it could fail or cause harm	Treatment in this report
Exposed steep ridge / rocky hill	Open, connected fractures may accept water	Fresh quartzite, thin soil, rapid runoff, erosion, unstable cuts and contaminant shortcuts	No numeric recharge value; require geology, fracture/weathering, water-quality and groundwater checks
Weathered or fractured hillslope	Weathered mantle and connected joints can provide storage and transmission	Fractures may be local, clogged or hydraulically disconnected	Conditional investigation using infiltration testing plus ERT/VES or equivalent subsurface evidence
Foothill, pediment, valley fill or drainage transition	Lower slope can slow runoff; weathered material or valley fill may provide a receiving zone	Fine sediment, shallow groundwater, utilities or contaminated runoff may block or compromise recharge	Planning range may be shown, but only after confirming the receiving material and a safe overflow path

5. Groundwater Relative to Terrain

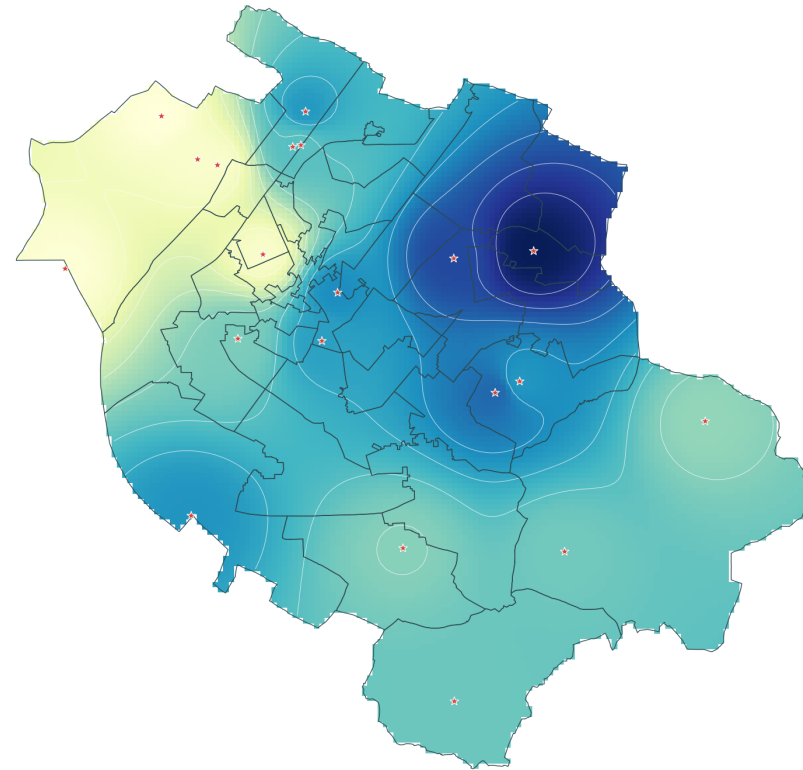
The official depth-to-water observations were interpolated separately for pre- and post-monsoon 2023. Ten interpolation/kriging variants were compared by leave-one-out prediction. The best method for each season is used below and its error is reported on the map.

Pre-monsoon 2023 depth to groundwater

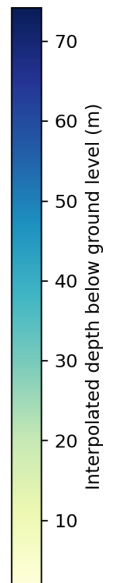


Selected: RBF linear smoothing=1.0; leave-one-out RMSE 12.3 m

Post-monsoon 2023 depth to groundwater



Selected: IDW $p=3.0$; leave-one-out RMSE 11.6 m

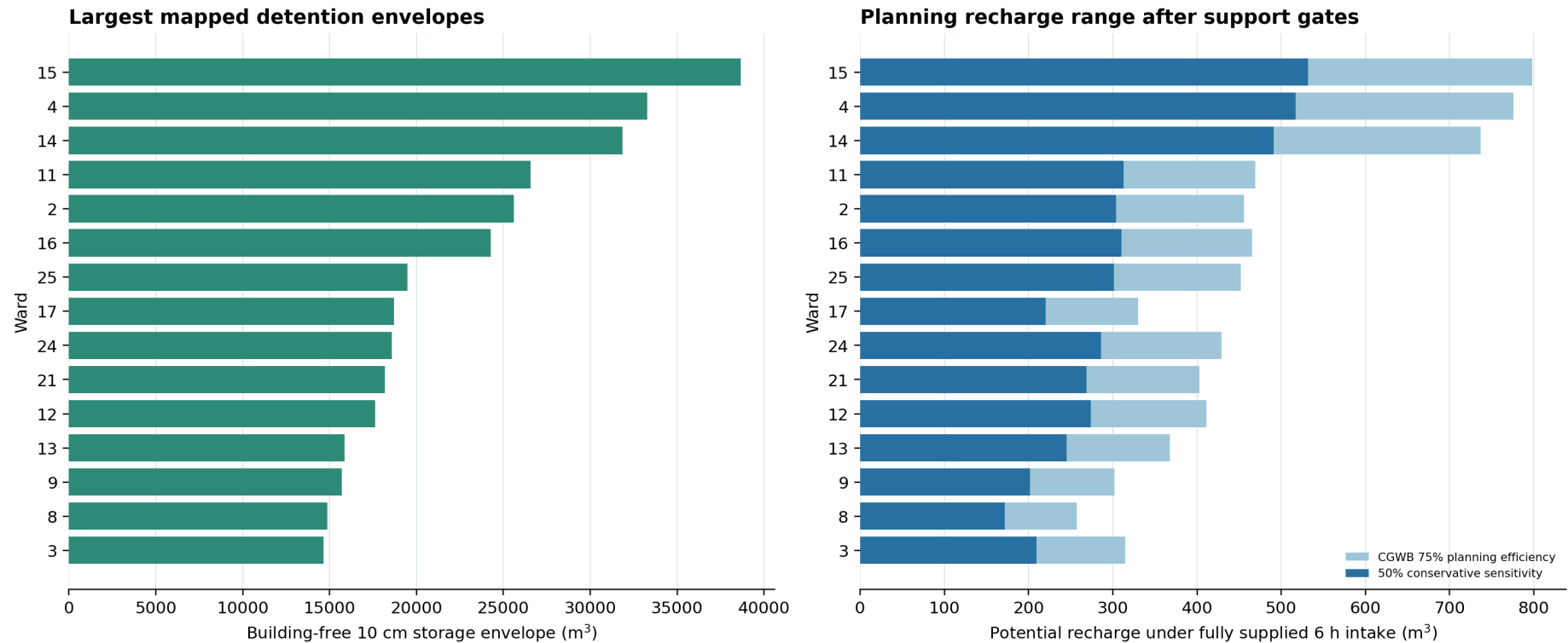


Season	Observations	Selected method	LOO RMSE	LOO MAE	Interpretation
Pre-monsoon 2023	38	RBF linear smoothing=1.0	12.3 m	8.3 m	Regional visual screen only; not a park-level prediction
Post-monsoon 2023	20	IDW $p=3.0$	11.6 m	8.9 m	Sparse seasonal screen; local monitoring remains necessary

The companion 3D HTML places the indicative water surface below the terrain by the interpolated depth. Because the cross-validation errors are large, the 3D surface is deliberately labelled as a screening visualization and must not be read as a parcel-scale groundwater model.

6. Ward-Level Capacity Context

Ward totals help organise reconnaissance; they must not be read as guaranteed city recharge because every park still requires individual field gates and event water supply.



The chart compares the 15 wards with the largest mapped 10 cm storage envelopes. The dark and light bars show the 50% sensitivity and CGWB 75% planning cases after site-support gates; neither bar includes a routed event-water limit.

6.1 Complete Ward Screening Register

All 36 spatial wards are shown below. The potential-recharge column is the 50-75% range under the fully supplied near-saturated six-hour screen. The complete machine-readable register retains gross area, released-site count and every source/support field.

Ward	Parks	10 cm storage (m ³)	Potential recharge (m ³)	Ward	Parks	10 cm storage (m ³)	Potential recharge (m ³)
15	134	38,680	532.2-798.3	10	51	10,805	164.7-247.0
4	177	33,268	517.3-775.9	20	42	7,758	117.4-176.1
14	185	31,853	491.2-736.7	36	22	6,558	98.5-147.8
11	96	26,577	313.1-469.6	33	32	6,286	97.4-146.2
2	85	25,609	303.9-455.8	27	17	5,842	90.9-136.3
16	81	24,281	310.5-465.7	32	31	5,250	77.2-115.8
25	58	19,476	301.3-451.9	29	29	4,531	70.5-105.7
17	35	18,716	220.2-330.3	28	3	4,273	66.5-99.7
24	105	18,587	285.9-428.9	5	22	4,204	61.8-92.7
21	106	18,178	268.6-402.9	7	9	3,434	12.3-18.5
12	59	17,616	274.0-411.0	35	19	3,154	48.5-72.8
13	63	15,856	245.3-368.0	6	9	2,730	12.1-18.1
9	55	15,700	201.4-302.2	23	15	2,667	39.8-59.7
8	31	14,874	171.5-257.3	31	16	1,732	26.5-39.7
3	51	14,641	209.6-314.4	26	10	1,249	19.4-29.1
1	48	14,243	156.1-234.1	19	1	772	12.0-18.0
18	30	13,264	192.8-289.2	30	9	685	9.6-14.4
22	44	11,927	183.4-275.1	34	2	378	1.9-2.8

Use ward totals to plan reconnaissance effort, not to approve works or sum a guaranteed recharge yield.

7. Highest-Capacity Field-Verification Candidates

This is a reconnaissance order, not a construction priority. Ranking combines the conservative potential-recharge screen, 10 cm detention envelope and groundwater clearance. Click the coordinate to open Google Maps.

Rank / ward	MCG park	Map	Building-free area	Detention envelope	Potential recharge / 6 h	Terrain / groundwater support	Next field gate
1 Ward 23 MCG-PARK-1767	Chakkarpur - Chakkarpur jodi Source code: Zone-4_Park_365	28.471006, 77.088152	6,956 m ²	10 cm: 696 m ³ 20 cm: 1,391 m ³	Near-saturated: 10.8-16.2 m ³ Moist: 12.4-18.6 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 1.2 deg; relief 7.7 m GW screen 65.1 m bgl; monitor 0.44 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
2 Ward 22 MCG-PARK-1750	sainik park - H.No-286 - SECTOR 43 WAZIRABAD Source code: Zone-4_Park_178	28.455138, 77.089461	8,086 m ²	10 cm: 809 m ³ 20 cm: 1,617 m ³	Near-saturated: 12.6-18.9 m ³ Moist: 14.4-21.6 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.1 deg; relief 3.2 m GW screen 57.5 m bgl; monitor 1.96 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
3 Ward 24 MCG-PARK-1514	B-Block Booster Park - South City 1 Source code: Zone-4_Park_146	28.464406, 77.061335	10,125 m ²	10 cm: 1,013 m ³ 20 cm: 2,025 m ³	Near-saturated: 15.7-23.6 m ³ Moist: 18.1-27.1 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.2 deg; relief 4.8 m GW screen 53.7 m bgl; monitor 0.98 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
4 Ward 21 MCG-PARK-1739	Park-16 - SECTOR 52 Source code: Zone-4_Park_110	28.443855, 77.074806	20,229 m ²	10 cm: 2,023 m ³ 20 cm: 4,046 m ³	Near-saturated: 31.5-47.2 m ³ Moist: 36.1-54.1 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.6 deg; relief 4.7 m GW screen 51.2 m bgl; monitor 1.20 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
5 Ward 1 MCG-PARK-0486	Nathupur Source code: Zone-3_Park_38	28.489423, 77.111122	13,129 m ²	10 cm: 1,313 m ³ 20 cm: 2,626 m ³	Near-saturated: 20.4-30.6 m ³ Moist: 23.4-35.1 m ³ Assumes fully supplied intake	Undulating urban terrain; slope 0.5 deg; relief 11.2 m GW screen 52.0 m bgl; monitor 2.62 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
6 Ward 24 MCG-PARK-1497	Near H.No-G 13 - G-Block - South City 1 Source code: Zone-4_Park_125	28.457090, 77.064500	7,415 m ²	10 cm: 741 m ³ 20 cm: 1,483 m ³	Near-saturated: 11.5-17.3 m ³ Moist: 13.2-19.8 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.1 deg; relief 2.9 m GW screen 55.5 m bgl; monitor 1.58 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
7 Ward 22 MCG-PARK-1628	centrual park - H.No-928 - SECTOR 43 Source code: Zone-4_Park_176	28.454666, 77.093024	7,154 m ²	10 cm: 715 m ³ 20 cm: 1,431 m ³	Near-saturated: 11.1-16.7 m ³ Moist: 12.8-19.1 m ³ Assumes fully supplied intake	Foothill or high-relief transition; slope 0.1 deg; relief 10.9 m GW screen 57.3 m bgl; monitor 2.00 km	The site is near high-relief terrain. Test whether runoff reaches a weathered/fractured or valley-fill receiving zone; do not assume the nearby exposed ridge itself will absorb the water.
8 Ward 22 MCG-PARK-1668	B-Block H.No 646 - B-Block - Sushant Lok Phase 1 Block A&B Source code: Zone-4_Park_367	28.462239, 77.075438	6,363 m ²	10 cm: 636 m ³ 20 cm: 1,273 m ³	Near-saturated: 9.9-14.8 m ³ Moist: 11.4-17.0 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.4 deg; relief 5.7 m GW screen 60.3 m bgl; monitor 1.22 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
9 Ward 22 MCG-PARK-1626	Tulsi park - H.No-383 - SECTOR 43 Source code: Zone-4_Park_174	28.457861, 77.092401	6,006 m ²	10 cm: 601 m ³ 20 cm: 1,201 m ³	Near-saturated: 9.3-14.0 m ³ Moist: 10.7-16.1 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.1 deg; relief 8.6 m GW screen 61.1 m bgl; monitor 1.64 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
10 Ward 24 MCG-PARK-1547	H.No-420 - Front in H.No-420 - SECTOR 45 Source code: Zone-4_Park_117	28.442288, 77.067388	12,340 m ²	10 cm: 1,234 m ³ 20 cm: 2,468 m ³	Near-saturated: 19.2-28.8 m ³ Moist: 22.0-33.0 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.2 deg; relief 2.9 m GW screen 51.0 m bgl; monitor 1.53 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
11 Ward 14 MCG-PARK-1028	Aadarsh Park - Aadarsh Park Sector-46 - SECTOR 46 Source code: Zone-1_Park_231	28.434805, 77.060422	20,736 m ²	10 cm: 2,074 m ³ 20 cm: 4,147 m ³	Near-saturated: 32.3-48.4 m ³ Moist: 37.0-55.5 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.2 deg; relief 2.1 m GW screen 49.0 m bgl; monitor 1.91 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
12 Ward 22 MCG-PARK-1749	DLF Boundary wall - SECTOR 42 Source code: Zone-4_Park_169	28.461536, 77.099144	5,654 m ²	10 cm: 565 m ³ 20 cm: 1,131 m ³	Near-saturated: 8.8-13.2 m ³ Moist: 10.1-15.1 m ³ Assumes fully supplied intake	Undulating urban terrain; slope 1.8 deg; relief 5.9 m GW screen 60.9 m bgl; monitor 1.41 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
13 Ward 2 MCG-PARK-0194	DLF City Phase 2 Source code: Zone-3_Park_82	28.486339, 77.085807	8,720 m ²	10 cm: 872 m ³ 20 cm: 1,744 m ³	Near-saturated: 13.6-20.3 m ³ Moist: 15.6-23.3 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.8 deg; relief 5.4 m GW screen 51.6 m bgl; monitor 1.64 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.

Rank / ward	MCG park	Map	Building-free area	Detention envelope	Potential recharge / 6 h	Terrain / groundwater support	Next field gate
14 Ward 24 MCG-PARK-1761	Ram lila ground kanhai - KANHAI Source code: Zone-4_Park_230	28.446531, 77.072813	9,006 m ²	10 cm: 901 m ³ 20 cm: 1,801 m ³	Near-saturated: 14.0-21.0 m ³ Moist: 16.1-24.1 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 1.4 deg; relief 6.0 m GW screen 51.3 m bgl; monitor 1.55 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
15 Ward 1 MCG-PARK-0483	Nathupur Source code: Zone-3_Park_35	28.485992, 77.097899	6,531 m ²	10 cm: 653 m ³ 20 cm: 1,306 m ³	Near-saturated: 10.2-15.2 m ³ Moist: 11.6-17.5 m ³ Assumes fully supplied intake	Foothill or high-relief transition; slope 0.8 deg; relief 8.0 m GW screen 55.4 m bgl; monitor 1.58 km	The site is near high-relief terrain. Test whether runoff reaches a weathered/fractured or valley-fill receiving zone; do not assume the nearby exposed ridge itself will absorb the water.
16 Ward 1 MCG-PARK-0525	DLF City Phase 1 Source code: Zone-3_Park_29	28.477286, 77.100640	5,371 m ²	10 cm: 537 m ³ 20 cm: 1,074 m ³	Near-saturated: 8.4-12.5 m ³ Moist: 9.6-14.4 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.6 deg; relief 7.0 m GW screen 60.9 m bgl; monitor 0.97 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
17 Ward 14 MCG-PARK-1343	GREEN BELT N-253/265 - SECTOR 51 Source code: Zone-1_Park_158	28.428540, 77.061049	12,141 m ²	10 cm: 1,214 m ³ 20 cm: 2,428 m ³	Near-saturated: 18.9-28.3 m ³ Moist: 21.7-32.5 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.3 deg; relief 3.4 m GW screen 48.5 m bgl; monitor 1.94 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
18 Ward 1 MCG-PARK-0229	DLF City Phase 3 Source code: Zone-3_Park_18	28.492044, 77.106248	7,555 m ²	10 cm: 755 m ³ 20 cm: 1,511 m ³	Near-saturated: 11.8-17.6 m ³ Moist: 13.5-20.2 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.8 deg; relief 9.3 m GW screen 51.4 m bgl; monitor 2.55 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
19 Ward 22 MCG-PARK-1627	krishna park - H.No-801 - SECTOR 43 Source code: Zone-4_Park_175	28.455870, 77.092717	5,371 m ²	10 cm: 537 m ³ 20 cm: 1,074 m ³	Near-saturated: 8.4-12.5 m ³ Moist: 9.6-14.4 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.2 deg; relief 3.0 m GW screen 59.3 m bgl; monitor 1.86 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
20 Ward 14 MCG-PARK-1177	Sector 51 Mayfield Garden Source code: Zone-1_Park_294	28.426758, 77.059642	22,532 m ²	10 cm: 2,253 m ³ 20 cm: 4,506 m ³	Near-saturated: 35.0-52.6 m ³ Moist: 40.2-60.3 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.5 deg; relief 3.5 m GW screen 47.3 m bgl; monitor 2.14 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
21 Ward 24 MCG-PARK-1764	C-Block H.No- 10 - SECTOR 43 Source code: Zone-4_Park_257	28.458502, 77.077522	5,394 m ²	10 cm: 539 m ³ 20 cm: 1,079 m ³	Near-saturated: 8.4-12.6 m ³ Moist: 9.6-14.4 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 1.0 deg; relief 6.8 m GW screen 58.6 m bgl; monitor 1.68 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
22 Ward 22 MCG-PARK-1456	Plot no-41,25,46 front - SECTOR 42 Source code: Zone-4_Park_166	28.460117, 77.097738	5,018 m ²	10 cm: 502 m ³ 20 cm: 1,004 m ³	Near-saturated: 7.8-11.7 m ³ Moist: 9.0-13.4 m ³ Assumes fully supplied intake	Undulating urban terrain; slope 1.6 deg; relief 13.3 m GW screen 60.8 m bgl; monitor 1.49 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
23 Ward 2 MCG-PARK-0197	DLF City Phase 2 Source code: Zone-3_Park_85	28.484999, 77.093060	5,781 m ²	10 cm: 578 m ³ 20 cm: 1,156 m ³	Near-saturated: 9.0-13.5 m ³ Moist: 10.3-15.5 m ³ Assumes fully supplied intake	Foothill or high-relief transition; slope 0.4 deg; relief 5.9 m GW screen 55.7 m bgl; monitor 1.37 km	The site is near high-relief terrain. Test whether runoff reaches a weathered/fractured or valley-fill receiving zone; do not assume the nearby exposed ridge itself will absorb the water.
24 Ward 12 MCG-PARK-0170	South City 1 Source code: Zone-3_Park_423	28.454135, 77.063571	6,294 m ²	10 cm: 629 m ³ 20 cm: 1,259 m ³	Near-saturated: 9.8-14.7 m ³ Moist: 11.2-16.8 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.9 deg; relief 2.9 m GW screen 53.2 m bgl; monitor 1.92 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
25 Ward 14 MCG-PARK-1032	SECTOR 46 Source code: Zone-1_Park_235	28.435468, 77.057880	14,443 m ²	10 cm: 1,444 m ³ 20 cm: 2,889 m ³	Near-saturated: 22.5-33.7 m ³ Moist: 25.8-38.6 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.3 deg; relief 2.0 m GW screen 47.9 m bgl; monitor 2.16 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
26 Ward 22 MCG-PARK-1624	angal park - H.No-22 - SECTOR 43 Source code: Zone-4_Park_163	28.461639, 77.093856	4,635 m ²	10 cm: 464 m ³ 20 cm: 927 m ³	Near-saturated: 7.2-10.8 m ³ Moist: 8.3-12.4 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.3 deg; relief 7.9 m GW screen 62.5 m bgl; monitor 1.23 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
27 Ward 22 MCG-PARK-1625	Geeta park - SECTOR 43 Source code: Zone-4_Park_173	28.457326, 77.095553	4,732 m ²	10 cm: 473 m ³ 20 cm: 946 m ³	Near-saturated: 7.4-11.0 m ³ Moist: 8.4-12.7 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.5 deg; relief 8.5 m GW screen 60.1 m bgl; monitor 1.73 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
28 Ward 14 MCG-PARK-1018	Park Near H. No. 2622 - SECTOR 46 Source code: Zone-1_Park_221	28.436395, 77.062155	7,336 m ²	10 cm: 734 m ³ 20 cm: 1,467 m ³	Near-saturated: 11.4-17.1 m ³ Moist: 13.1-19.6 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.1 deg; relief 2.9 m GW screen 49.8 m bgl; monitor 1.76 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.

Rank / ward	MCG park	Map	Building-free area	Detention envelope	Potential recharge / 6 h	Terrain / groundwater support	Next field gate
29 Ward 14 MCG-PARK-1023	H. No. 2264 - No. 2264, Sector-46 - SECTOR 46 Source code: Zone-1_Park_226	28.433684, 77.057794	10,110 m ²	10 cm: 1,011 m ³ 20 cm: 2,022 m ³	Near-saturated: 15.7-23.6 m ³ Moist: 18.0-27.1 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.1 deg; relief 1.9 m GW screen 47.8 m bgl; monitor 2.17 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
30 Ward 2 MCG-PARK-0202	DLF City Phase 2 Source code: Zone-3_Park_90	28.486008, 77.089994	5,147 m ²	10 cm: 515 m ³ 20 cm: 1,029 m ³	Near-saturated: 8.0-12.0 m ³ Moist: 9.2-13.8 m ³ Assumes fully supplied intake	Foothill or high-relief transition; slope 0.1 deg; relief 5.0 m GW screen 53.9 m bgl; monitor 1.50 km	The site is near high-relief terrain. Test whether runoff reaches a weathered/fractured or valley-fill receiving zone; do not assume the nearby exposed ridge itself will absorb the water.
31 Ward 24 MCG-PARK-1760	GGPS - KANHAI Source code: Zone-4_Park_226	28.446422, 77.076342	6,530 m ²	10 cm: 653 m ³ 20 cm: 1,306 m ³	Near-saturated: 10.2-15.2 m ³ Moist: 11.6-17.5 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 1.0 deg; relief 5.3 m GW screen 50.9 m bgl; monitor 1.42 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
32 Ward 21 MCG-PARK-1759	C-Block H.No- 2508 - C-Block - ARDEE CITY Source code: Zone-4_Park_224	28.444687, 77.079255	45,651 m ²	10 cm: 4,565 m ³ 20 cm: 9,130 m ³	Near-saturated: 71.0-106.5 m ³ Moist: 81.4-122.1 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.5 deg; relief 5.5 m GW screen 45.6 m bgl; monitor 1.17 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
33 Ward 22 MCG-PARK-1747	vrindawan park - SECTOR 43 Source code: Zone-4_Park_164	28.462189, 77.090822	4,238 m ²	10 cm: 424 m ³ 20 cm: 848 m ³	Near-saturated: 6.6-9.9 m ³ Moist: 7.6-11.3 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.4 deg; relief 3.3 m GW screen 63.1 m bgl; monitor 1.17 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
34 Ward 14 MCG-PARK-1344	M-167 - Near HNO M-167,-II - SECTOR 51 Source code: Zone-1_Park_159	28.432686, 77.069324	5,535 m ²	10 cm: 554 m ³ 20 cm: 1,107 m ³	Near-saturated: 8.6-12.9 m ³ Moist: 9.9-14.8 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.8 deg; relief 4.2 m GW screen 52.0 m bgl; monitor 1.05 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
35 Ward 1 MCG-PARK-0234	DLF City Phase 3 Source code: Zone-3_Park_24	28.494464, 77.098487	6,748 m ²	10 cm: 675 m ³ 20 cm: 1,350 m ³	Near-saturated: 10.5-15.7 m ³ Moist: 12.0-18.1 m ³ Assumes fully supplied intake	Foothill or high-relief transition; slope 0.1 deg; relief 8.0 m GW screen 49.7 m bgl; monitor 2.49 km	The site is near high-relief terrain. Test whether runoff reaches a weathered/fractured or valley-fill receiving zone; do not assume the nearby exposed ridge itself will absorb the water.
36 Ward 25 MCG-PARK-1421	Green Belt - MDI Source code: Zone-4_Park_334	28.471880, 77.057285	14,080 m ²	10 cm: 1,408 m ³ 20 cm: 2,816 m ³	Near-saturated: 21.9-32.8 m ³ Moist: 25.1-37.7 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 1.0 deg; relief 6.8 m GW screen 45.9 m bgl; monitor 1.04 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
37 Ward 22 MCG-PARK-1659	A-Block H.No- 867 D - A-Block - Sushant Lok Phase 1 Block A&B Source code: Zone-4_Park_272	28.472836, 77.077222	4,407 m ²	10 cm: 441 m ³ 20 cm: 881 m ³	Near-saturated: 6.9-10.3 m ³ Moist: 7.9-11.8 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.9 deg; relief 6.7 m GW screen 57.9 m bgl; monitor 0.93 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
38 Ward 12 MCG-PARK-0169	South City 1 - Back side in H.No- J-Block Source code: Zone-3_Park_422	28.453098, 77.065036	4,651 m ²	10 cm: 465 m ³ 20 cm: 930 m ³	Near-saturated: 7.2-10.9 m ³ Moist: 8.3-12.4 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.9 deg; relief 3.4 m GW screen 53.0 m bgl; monitor 2.01 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
39 Ward 22 MCG-PARK-1654	A-Block H.No- 894 - A-Block - Sushant Lok Phase 1 Block A&B Source code: Zone-4_Park_267	28.468987, 77.076669	4,127 m ²	10 cm: 413 m ³ 20 cm: 825 m ³	Near-saturated: 6.4-9.6 m ³ Moist: 7.4-11.0 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.7 deg; relief 6.0 m GW screen 59.8 m bgl; monitor 0.89 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
40 Ward 14 MCG-PARK-0781	Park No.3 - SECTOR 51 Source code: Zone-1_Park_155	28.424395, 77.065359	6,526 m ²	10 cm: 653 m ³ 20 cm: 1,305 m ³	Near-saturated: 10.2-15.2 m ³ Moist: 11.6-17.5 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.5 deg; relief 3.3 m GW screen 48.4 m bgl; monitor 1.78 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
41 Ward 13 MCG-PARK-0150	Near House No. 726 - SECTOR 31 Source code: Zone-3_Park_505	28.454107, 77.053994	6,915 m ²	10 cm: 691 m ³ 20 cm: 1,383 m ³	Near-saturated: 10.8-16.1 m ³ Moist: 12.3-18.5 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.3 deg; relief 2.5 m GW screen 48.0 m bgl; monitor 1.37 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
42 Ward 17 MCG-PARK-1329	SECTOR 74A Source code: Zone-1_Park_3	28.408286, 76.995080	17,981 m ²	10 cm: 1,798 m ³ 20 cm: 3,596 m ³	Near-saturated: 28.0-42.0 m ³ Moist: 32.1-48.1 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.3 deg; relief 4.1 m GW screen 44.9 m bgl; monitor 1.10 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.

Rank / ward	MCG park	Map	Building-free area	Detention envelope	Potential recharge / 6 h	Terrain / groundwater support	Next field gate
43 Ward 2 MCG-PARK-0195	DLF City Phase 2 Source code: Zone-3_Park_83	28.484903, 77.089345	4,417 m ²	10 cm: 442 m ³ 20 cm: 883 m ³	Near-saturated: 6.9-10.3 m ³ Moist: 7.9-11.8 m ³ Assumes fully supplied intake	Foothill or high-relief transition; slope 0.5 deg; relief 4.2 m GW screen 54.6 m bgl; monitor 1.39 km	The site is near high-relief terrain. Test whether runoff reaches a weathered/fractured or valley-fill receiving zone; do not assume the nearby exposed ridge itself will absorb the water.
44 Ward 13 MCG-PARK-0072	Near House No. 1647 - SECTOR 15-2 Source code: Zone-3_Park_496	28.457106, 77.041941	8,992 m ²	10 cm: 899 m ³ 20 cm: 1,798 m ³	Near-saturated: 14.0-21.0 m ³ Moist: 16.0-24.1 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 1.3 deg; relief 9.7 m GW screen 45.8 m bgl; monitor 0.83 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
45 Ward 21 MCG-PARK-1714	H.No-535 - Front H.No-535 - SECTOR 52 Source code: Zone-4_Park_191	28.433159, 77.073641	4,568 m ²	10 cm: 457 m ³ 20 cm: 914 m ³	Near-saturated: 7.1-10.7 m ³ Moist: 8.1-12.2 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.3 deg; relief 3.8 m GW screen 52.7 m bgl; monitor 0.62 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
46 Ward 2 MCG-PARK-0199	DLF City Phase 2 Source code: Zone-3_Park_87	28.482700, 77.088183	4,192 m ²	10 cm: 419 m ³ 20 cm: 838 m ³	Near-saturated: 6.5-9.8 m ³ Moist: 7.5-11.2 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.0 deg; relief 6.0 m GW screen 56.1 m bgl; monitor 1.18 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
47 Ward 13 MCG-PARK-0069	Near house No. 885 (Om Shanti) - SECTOR 15-2 Source code: Zone-3_Park_493	28.458606, 77.041568	7,845 m ²	10 cm: 784 m ³ 20 cm: 1,569 m ³	Near-saturated: 12.2-18.3 m ³ Moist: 14.0-21.0 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.5 deg; relief 5.3 m GW screen 46.1 m bgl; monitor 0.70 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
48 Ward 24 MCG-PARK-1672	C-Block 814 - C-Block - Sushant Lok Phase 1 Source code: Zone-4_Park_153	28.458064, 77.084218	3,834 m ²	10 cm: 383 m ³ 20 cm: 767 m ³	Near-saturated: 6.0-8.9 m ³ Moist: 6.8-10.3 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.3 deg; relief 4.8 m GW screen 60.5 m bgl; monitor 1.80 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
49 Ward 24 MCG-PARK-1500	Near H.No- G14 - G-Block - South City 1 Source code: Zone-4_Park_128	28.458158, 77.065777	4,063 m ²	10 cm: 406 m ³ 20 cm: 813 m ³	Near-saturated: 6.3-9.5 m ³ Moist: 7.2-10.9 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.5 deg; relief 2.8 m GW screen 56.7 m bgl; monitor 1.44 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
50 Ward 13 MCG-PARK-0155	Near House No. 360 - SECTOR 31 Source code: Zone-3_Park_511	28.451691, 77.049057	8,133 m ²	10 cm: 813 m ³ 20 cm: 1,627 m ³	Near-saturated: 12.6-19.0 m ³ Moist: 14.5-21.8 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.7 deg; relief 5.3 m GW screen 45.7 m bgl; monitor 1.40 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
51 Ward 13 MCG-PARK-0151	Near House No. 527 - SECTOR 31 Source code: Zone-3_Park_506	28.455633, 77.052346	5,944 m ²	10 cm: 594 m ³ 20 cm: 1,189 m ³	Near-saturated: 9.2-13.9 m ³ Moist: 10.6-15.9 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.5 deg; relief 6.8 m GW screen 48.0 m bgl; monitor 1.14 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
52 Ward 1 MCG-PARK-0226	DLF City Phase 3 Source code: Zone-3_Park_15	28.493810, 77.107670	4,780 m ²	10 cm: 478 m ³ 20 cm: 956 m ³	Near-saturated: 7.4-11.2 m ³ Moist: 8.5-12.8 m ³ Assumes fully supplied intake	Undulating urban terrain; slope 0.4 deg; relief 11.3 m GW screen 50.4 m bgl; monitor 2.79 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
53 Ward 1 MCG-PARK-0008	DLF Corporate Park Source code: Zone-3_Park_5	28.482515, 77.105373	3,932 m ²	10 cm: 393 m ³ 20 cm: 786 m ³	Near-saturated: 6.1-9.2 m ³ Moist: 7.0-10.5 m ³ Assumes fully supplied intake	Foothill or high-relief transition; slope 1.3 deg; relief 11.2 m GW screen 56.5 m bgl; monitor 1.69 km	The site is near high-relief terrain. Test whether runoff reaches a weathered/fractured or valley-fill receiving zone; do not assume the nearby exposed ridge itself will absorb the water.
54 Ward 17 MCG-PARK-1207	Sector 75 Source code: Zone-1_Park_13	28.391762, 76.999821	12,052 m ²	10 cm: 1,205 m ³ 20 cm: 2,410 m ³	Near-saturated: 18.7-28.1 m ³ Moist: 21.5-32.2 m ³ Assumes fully supplied intake	Foothill or high-relief transition; slope 2.9 deg; relief 15.2 m GW screen 44.4 m bgl; monitor 1.67 km	The site is near high-relief terrain. Test whether runoff reaches a weathered/fractured or valley-fill receiving zone; do not assume the nearby exposed ridge itself will absorb the water.
55 Ward 2 MCG-PARK-0192	DLF City Phase 2 Source code: Zone-3_Park_80	28.490791, 77.087644	5,185 m ²	10 cm: 519 m ³ 20 cm: 1,037 m ³	Near-saturated: 8.1-12.1 m ³ Moist: 9.2-13.9 m ³ Assumes fully supplied intake	Foothill or high-relief transition; slope 0.4 deg; relief 12.4 m GW screen 49.1 m bgl; monitor 2.06 km	The site is near high-relief terrain. Test whether runoff reaches a weathered/fractured or valley-fill receiving zone; do not assume the nearby exposed ridge itself will absorb the water.
56 Ward 20 MCG-PARK-1727	Smiriti Vatika - Hno- A1- 138-139 - SECTOR 55 Source code: Zone-4_Park_10	28.430375, 77.106374	32,154 m ²	10 cm: 3,215 m ³ 20 cm: 6,431 m ³	Near-saturated: 50.0-75.0 m ³ Moist: 57.4-86.0 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.5 deg; relief 9.1 m GW screen 42.9 m bgl; monitor 2.00 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.

Rank / ward	MCG park	Map	Building-free area	Detention envelope	Potential recharge / 6 h	Terrain / groundwater support	Next field gate
57 Ward 12 MCG-PARK-0099	SECTOR 38 Source code: Zone-3_Park_452	28.443037, 77.035812	20,642 m ²	10 cm: 2,064 m ³ 20 cm: 4,128 m ³	Near-saturated: 32.1-48.2 m ³ Moist: 36.8-55.2 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.1 deg; relief 5.4 m GW screen 43.0 m bgl; monitor 1.05 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
58 Ward 24 MCG-PARK-1504	Park-2 - South City 1 Source code: Zone-4_Park_132	28.461531, 77.064766	3,903 m ²	10 cm: 390 m ³ 20 cm: 781 m ³	Near-saturated: 6.1-9.1 m ³ Moist: 7.0-10.4 m ³ Assumes fully supplied intake	Undulating urban terrain; slope 1.6 deg; relief 5.0 m GW screen 56.2 m bgl; monitor 1.10 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
59 Ward 1 MCG-PARK-0230	DLF City Phase 3 Source code: Zone-3_Park_19	28.490898, 77.105516	4,378 m ²	10 cm: 438 m ³ 20 cm: 876 m ³	Near-saturated: 6.8-10.2 m ³ Moist: 7.8-11.7 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.7 deg; relief 7.4 m GW screen 52.0 m bgl; monitor 2.40 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
60 Ward 12 MCG-PARK-0098	SECTOR 38 Source code: Zone-3_Park_451	28.444732, 77.035261	15,585 m ²	10 cm: 1,558 m ³ 20 cm: 3,117 m ³	Near-saturated: 24.2-36.4 m ³ Moist: 27.8-41.7 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.4 deg; relief 4.6 m GW screen 43.2 m bgl; monitor 0.90 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
61 Ward 24 MCG-PARK-1550	H.No-115 - Front in H.No-115 - SECTOR 45 Source code: Zone-4_Park_120	28.438993, 77.067426	4,434 m ²	10 cm: 443 m ³ 20 cm: 887 m ³	Near-saturated: 6.9-10.3 m ³ Moist: 7.9-11.9 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.4 deg; relief 3.6 m GW screen 51.4 m bgl; monitor 1.34 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
62 Ward 21 MCG-PARK-1427	Gulmohar Society - SECTOR 56 Source code: Zone-4_Park_51	28.420615, 77.093346	11,713 m ²	10 cm: 1,171 m ³ 20 cm: 2,343 m ³	Near-saturated: 18.2-27.3 m ³ Moist: 20.9-31.3 m ³ Assumes fully supplied intake	Undulating urban terrain; slope 2.9 deg; relief 19.2 m GW screen 43.8 m bgl; monitor 1.90 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
63 Ward 22 MCG-PARK-1460	H.No-297 - SECTOR 42 Source code: Zone-4_Park_172	28.459685, 77.101634	3,678 m ²	10 cm: 368 m ³ 20 cm: 736 m ³	Near-saturated: 5.7-8.6 m ³ Moist: 6.6-9.8 m ³ Assumes fully supplied intake	Undulating urban terrain; slope 4.5 deg; relief 14.0 m GW screen 59.1 m bgl; monitor 1.71 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
64 Ward 1 MCG-PARK-0526	Aravali Hill Sikanderpur Ghosi Source code: Zone-3_Park_33	28.474432, 77.106499	3,659 m ²	10 cm: 366 m ³ 20 cm: 732 m ³	Near-saturated: 5.7-8.5 m ³ Moist: 6.5-9.8 m ³ Assumes fully supplied intake	Undulating urban terrain; slope 1.4 deg; relief 13.9 m GW screen 59.1 m bgl; monitor 1.41 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
65 Ward 13 MCG-PARK-0073	SECTOR 15-2 Source code: Zone-3_Park_497	28.460949, 77.044748	6,424 m ²	10 cm: 642 m ³ 20 cm: 1,285 m ³	Near-saturated: 10.0-15.0 m ³ Moist: 11.5-17.2 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.7 deg; relief 4.0 m GW screen 46.2 m bgl; monitor 0.33 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
66 Ward 21 MCG-PARK-1478	Park-3 - Ardee City Source code: Zone-4_Park_103	28.440257, 77.075285	4,027 m ²	10 cm: 403 m ³ 20 cm: 805 m ³	Near-saturated: 6.3-9.4 m ³ Moist: 7.2-10.8 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.3 deg; relief 5.7 m GW screen 52.2 m bgl; monitor 0.83 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
67 Ward 16 MCG-PARK-1199	SECTOR 74 Source code: Zone-1_Park_121	28.402591, 77.006404	12,760 m ²	10 cm: 1,276 m ³ 20 cm: 2,552 m ³	Near-saturated: 19.8-29.8 m ³ Moist: 22.8-34.1 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.8 deg; relief 9.2 m GW screen 43.0 m bgl; monitor 1.92 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
68 Ward 13 MCG-PARK-0024	Near Market - SECTOR 40 Source code: Zone-3_Park_474	28.449835, 77.057684	4,966 m ²	10 cm: 497 m ³ 20 cm: 993 m ³	Near-saturated: 7.7-11.6 m ³ Moist: 8.9-13.3 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.5 deg; relief 3.2 m GW screen 48.0 m bgl; monitor 1.97 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
69 Ward 25 MCG-PARK-1518	H No-1283 - SECTOR 17 Source code: Zone-4_Park_295	28.474402, 77.062161	5,998 m ²	10 cm: 600 m ³ 20 cm: 1,200 m ³	Near-saturated: 9.3-14.0 m ³ Moist: 10.7-16.0 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.6 deg; relief 4.8 m GW screen 46.1 m bgl; monitor 0.68 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
70 Ward 24 MCG-PARK-1623	D Block park - H.No-267 + 268 - SECTOR 43 Source code: Zone-4_Park_150	28.456025, 77.076107	3,649 m ²	10 cm: 365 m ³ 20 cm: 730 m ³	Near-saturated: 5.7-8.5 m ³ Moist: 6.5-9.8 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.4 deg; relief 5.8 m GW screen 56.4 m bgl; monitor 1.85 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
71 Ward 14 MCG-PARK-1346	SECTOR 46 Source code: Zone-1_Park_240	28.436417, 77.053069	6,152 m ²	10 cm: 615 m ³ 20 cm: 1,230 m ³	Near-saturated: 9.6-14.4 m ³ Moist: 11.0-16.5 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.5 deg; relief 3.0 m GW screen 45.8 m bgl; monitor 2.64 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.

Rank / ward	MCG park	Map	Building-free area	Detention envelope	Potential recharge / 6 h	Terrain / groundwater support	Next field gate
72 Ward 21 MCG-PARK-1720	Central park - H.No-1285 - SECTOR 52 Source code: Zone-4_Park_210	28.437841, 77.080060	3,758 m ²	10 cm: 376 m ³ 20 cm: 752 m ³	Near-saturated: 5.8-8.8 m ³ Moist: 6.7-10.1 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.3 deg; relief 5.7 m GW screen 52.9 m bgl; monitor 0.43 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
73 Ward 12 MCG-PARK-0094	1011 - SECTOR 38 Source code: Zone-3_Park_415	28.434536, 77.042122	11,328 m ²	10 cm: 1,133 m ³ 20 cm: 2,266 m ³	Near-saturated: 17.6-26.4 m ³ Moist: 20.2-30.3 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.3 deg; relief 3.1 m GW screen 42.5 m bgl; monitor 2.15 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
74 Ward 2 MCG-PARK-0193	DLF City Phase 2 Source code: Zone-3_Park_81	28.490418, 77.085495	4,568 m ²	10 cm: 457 m ³ 20 cm: 914 m ³	Near-saturated: 7.1-10.7 m ³ Moist: 8.1-12.2 m ³ Assumes fully supplied intake	Foothill or high-relief transition; slope 0.6 deg; relief 7.5 m GW screen 48.2 m bgl; monitor 2.08 km	The site is near high-relief terrain. Test whether runoff reaches a weathered/fractured or valley-fill receiving zone; do not assume the nearby exposed ridge itself will absorb the water.
75 Ward 11 MCG-PARK-1106	SECTOR 48 Source code: Zone-1_Park_534	28.424991, 77.034308	29,360 m ²	10 cm: 2,936 m ³ 20 cm: 5,872 m ³	Near-saturated: 45.7-68.5 m ³ Moist: 52.4-78.6 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.4 deg; relief 8.1 m GW screen 39.6 m bgl; monitor 2.74 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
76 Ward 15 MCG-PARK-1129	Nirvana Source code: Zone-1_Park_402	28.414157, 77.066715	10,018 m ²	10 cm: 1,002 m ³ 20 cm: 2,004 m ³	Near-saturated: 15.6-23.4 m ³ Moist: 17.9-26.8 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.4 deg; relief 3.1 m GW screen 42.7 m bgl; monitor 2.55 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
77 Ward 15 MCG-PARK-1134	Nirvana Source code: Zone-1_Park_433	28.412792, 77.070241	8,336 m ²	10 cm: 834 m ³ 20 cm: 1,667 m ³	Near-saturated: 13.0-19.4 m ³ Moist: 14.9-22.3 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.1 deg; relief 5.2 m GW screen 42.8 m bgl; monitor 2.53 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
78 Ward 14 MCG-PARK-0854	Park 19, Sushant lok III D block - Sushant Lok Phase 3 Extn Source code: not populated	28.419138, 77.076833	5,196 m ²	10 cm: 520 m ³ 20 cm: 1,039 m ³	Near-saturated: 8.1-12.1 m ³ Moist: 9.3-13.9 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.6 deg; relief 3.5 m GW screen 46.1 m bgl; monitor 1.67 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
79 Ward 12 MCG-PARK-0542	Jharsa Source code: Zone-3_Park_449	28.437201, 77.050522	7,197 m ²	10 cm: 720 m ³ 20 cm: 1,439 m ³	Near-saturated: 11.2-16.8 m ³ Moist: 12.8-19.3 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.2 deg; relief 5.3 m GW screen 43.5 m bgl; monitor 2.61 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
80 Ward 24 MCG-PARK-1696	C-Block H.No- 2001 - C-Block - Sushant Lok Phase 1 Source code: Zone-4_Park_245	28.451880, 77.083558	5,607 m ²	10 cm: 561 m ³ 20 cm: 1,121 m ³	Near-saturated: 8.7-13.1 m ³ Moist: 10.0-15.0 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.9 deg; relief 5.3 m GW screen 45.6 m bgl; monitor 1.70 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
81 Ward 14 MCG-PARK-1021	H. No. 1427 - H. No. 1427, Sector-46 - SECTOR 46 Source code: Zone-1_Park_224	28.430000, 77.057287	4,605 m ²	10 cm: 460 m ³ 20 cm: 921 m ³	Near-saturated: 7.2-10.7 m ³ Moist: 8.2-12.3 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.3 deg; relief 3.3 m GW screen 47.0 m bgl; monitor 2.26 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
82 Ward 13 MCG-PARK-0149	Near House No. 855 - SECTOR 31 Source code: Zone-3_Park_504	28.452485, 77.051806	4,596 m ²	10 cm: 460 m ³ 20 cm: 919 m ³	Near-saturated: 7.1-10.7 m ³ Moist: 8.2-12.3 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.2 deg; relief 3.3 m GW screen 46.9 m bgl; monitor 1.41 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
83 Ward 15 MCG-PARK-1118	Park No. 2 - Near H. No. AG-44, Nirvana Country - Nirvana Source code: Zone-1_Park_387	28.418050, 77.064101	6,289 m ²	10 cm: 629 m ³ 20 cm: 1,258 m ³	Near-saturated: 9.8-14.7 m ³ Moist: 11.2-16.8 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.7 deg; relief 4.4 m GW screen 44.8 m bgl; monitor 2.35 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
84 Ward 14 MCG-PARK-0803	Ishan Park near H. No. C-287 - Park 9 (a), Sushant lok III B block - Sushant Lok Phase 3 Source code: Zone-1_Park_178	28.422278, 77.077886	4,482 m ²	10 cm: 448 m ³ 20 cm: 896 m ³	Near-saturated: 7.0-10.5 m ³ Moist: 8.0-12.0 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.5 deg; relief 3.2 m GW screen 47.5 m bgl; monitor 1.31 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
85 Ward 17 MCG-PARK-1300	Darbaripur Source code: Zone-1_Park_30	28.391935, 77.012809	13,618 m ²	10 cm: 1,362 m ³ 20 cm: 2,724 m ³	Near-saturated: 21.2-31.8 m ³ Moist: 24.3-36.4 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.4 deg; relief 6.4 m GW screen 39.4 m bgl; monitor 2.75 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
86 Ward 1 MCG-PARK-0238	DLF City Phase 3 Source code: Zone-3_Park_28	28.485722, 77.107300	3,429 m ²	10 cm: 343 m ³ 20 cm: 686 m ³	Near-saturated: 5.3-8.0 m ³ Moist: 6.1-9.2 m ³ Assumes fully supplied intake	Undulating urban terrain; slope 1.2 deg; relief 13.1 m GW screen 54.5 m bgl; monitor 2.07 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.

Rank / ward	MCG park	Map	Building-free area	Detention envelope	Potential recharge / 6 h	Terrain / groundwater support	Next field gate
87 Ward 16 MCG-PARK-1195	SECTOR 74 Source code: Zone-1_Park_117	28.406026, 77.008425	8,305 m ²	10 cm: 830 m ³ 20 cm: 1,661 m ³	Near-saturated: 12.9-19.4 m ³ Moist: 14.8-22.2 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.5 deg; relief 4.5 m GW screen 41.8 m bgl; monitor 2.17 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
88 Ward 24 MCG-PARK-1703	C-Block H.No- 180 A - C-Block - Sushant Lok Phase 1 Source code: Zone-4_Park_253	28.455273, 77.079518	3,313 m ²	10 cm: 331 m ³ 20 cm: 663 m ³	Near-saturated: 5.2-7.7 m ³ Moist: 5.9-8.9 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.9 deg; relief 4.8 m GW screen 56.0 m bgl; monitor 2.08 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
89 Ward 24 MCG-PARK-1707	Near House No. 92 - SECTOR 30 Source code: Zone-4_Park_237	28.456874, 77.054384	4,181 m ²	10 cm: 418 m ³ 20 cm: 836 m ³	Near-saturated: 6.5-9.8 m ³ Moist: 7.5-11.2 m ³ Assumes fully supplied intake	Undulating urban terrain; slope 1.0 deg; relief 10.4 m GW screen 48.0 m bgl; monitor 1.17 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
90 Ward 12 MCG-PARK-0358	near HNO 117 - Greenwood City Source code: Zone-3_Park_444	28.444904, 77.062056	3,822 m ²	10 cm: 382 m ³ 20 cm: 764 m ³	Near-saturated: 5.9-8.9 m ³ Moist: 6.8-10.2 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.2 deg; relief 3.4 m GW screen 49.7 m bgl; monitor 2.13 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
91 Ward 25 MCG-PARK-1766	H No-1566,1574 - SECTOR 17 Source code: Zone-4_Park_297	28.476078, 77.064959	4,753 m ²	10 cm: 475 m ³ 20 cm: 951 m ³	Near-saturated: 7.4-11.1 m ³ Moist: 8.5-12.7 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.7 deg; relief 3.3 m GW screen 45.8 m bgl; monitor 0.63 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
92 Ward 12 MCG-PARK-0100	SECTOR 38 Source code: Zone-3_Park_453	28.440392, 77.036591	7,171 m ²	10 cm: 717 m ³ 20 cm: 1,434 m ³	Near-saturated: 11.2-16.7 m ³ Moist: 12.8-19.2 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.3 deg; relief 5.6 m GW screen 42.7 m bgl; monitor 1.30 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
93 Ward 17 MCG-PARK-1208	Sector 75 Source code: Zone-1_Park_14	28.394301, 77.013801	10,358 m ²	10 cm: 1,036 m ³ 20 cm: 2,072 m ³	Near-saturated: 16.1-24.2 m ³ Moist: 18.5-27.7 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.8 deg; relief 5.4 m GW screen 39.2 m bgl; monitor 2.76 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
94 Ward 22 MCG-PARK-1646	B-Block H.No 784 - B-Block Tikonna Park - Sushant Lok Phase 1 Block A&B Source code: Zone-4_Park_258	28.461228, 77.082298	2,987 m ²	10 cm: 299 m ³ 20 cm: 597 m ³	Near-saturated: 4.6-7.0 m ³ Moist: 5.3-8.0 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.7 deg; relief 4.2 m GW screen 62.0 m bgl; monitor 1.60 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
95 Ward 16 MCG-PARK-1073	SECTOR 72 A - Sector 72A Source code: Zone-1_Park_137	28.424561, 77.019516	12,114 m ²	10 cm: 1,211 m ³ 20 cm: 2,423 m ³	Near-saturated: 18.8-28.3 m ³ Moist: 21.6-32.4 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.4 deg; relief 2.2 m GW screen 37.6 m bgl; monitor 2.81 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
96 Ward 17 MCG-PARK-1393	SECTOR 36 Source code: not populated	28.420134, 76.990248	12,794 m ²	10 cm: 1,279 m ³ 20 cm: 2,559 m ³	Near-saturated: 19.9-29.8 m ³ Moist: 22.8-34.2 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.6 deg; relief 4.3 m GW screen 36.4 m bgl; monitor 2.09 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
97 Ward 23 MCG-PARK-1418	H.No-1200 - H.No-1261 - Maruti Vihar Source code: Zone-4_Park_288	28.475316, 77.081350	3,061 m ²	10 cm: 306 m ³ 20 cm: 612 m ³	Near-saturated: 4.8-7.1 m ³ Moist: 5.5-8.2 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.2 deg; relief 7.9 m GW screen 58.6 m bgl; monitor 1.11 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
98 Ward 14 MCG-PARK-1020	Saheed Bhagat Singh Park - H. No. 1683, Sector-46 - SECTOR 46 Source code: Zone-1_Park_223	28.431569, 77.059079	3,893 m ²	10 cm: 389 m ³ 20 cm: 779 m ³	Near-saturated: 6.1-9.1 m ³ Moist: 6.9-10.4 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.1 deg; relief 1.4 m GW screen 48.1 m bgl; monitor 2.06 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
99 Ward 28 MCG-PARK-0724	DAV School Ground - OM NAGAR Source code: Zone-2_Park_156	28.449649, 77.017624	13,578 m ²	10 cm: 1,358 m ³ 20 cm: 2,716 m ³	Near-saturated: 21.1-31.7 m ³ Moist: 24.2-36.3 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.5 deg; relief 3.6 m GW screen 32.3 m bgl; monitor 0.96 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.
100 Ward 2 MCG-PARK-0052	Mall Road Source code: Zone-3_Park_50	28.479228, 77.091301	2,978 m ²	10 cm: 298 m ³ 20 cm: 596 m ³	Near-saturated: 4.6-6.9 m ³ Moist: 5.3-8.0 m ³ Assumes fully supplied intake	Low-relief urban/plain terrain; slope 0.8 deg; relief 5.7 m GW screen 60.6 m bgl; monitor 0.73 km	Proceed only to field infiltration, seasonal groundwater, utility, water-quality and safe-overflow checks.

8. Field Gates Before Any Design Capacity

Gate	Minimum evidence	Why it can change the preliminary value
Usable park footprint	Survey paths, trees, play areas, utilities, buildings, slopes, inlet and safe overflow	The mapped building-free polygon is not the same as usable detention or infiltration area
Seasonal groundwater	Local pre- and post-monsoon water level referenced to a surveyed ground level	The nearest 2023 NAQUIM observation may be kilometres away and the interpolated error is large
Infiltration and restrictive layers	Double-ring or approved field test plus soil log below the proposed treatment depth	Texture, urban fill and compaction do not uniquely determine infiltration
Aravalli / high-relief terrain	Geomorphology, weathering depth, fractures/lineaments, slope stability and ERT/VES or equivalent subsurface evidence	Exposed rock may shed runoff while a nearby weathered or fractured zone may recharge; terrain alone cannot distinguish them
Water quality and pretreatment	Runoff source, first flush, sediment/oil/solid controls and maintenance plan	Contaminated runoff must not be routed directly into an aquifer
Hydraulic connection	Catchment inflow, outlet/overflow, downstream level and drawdown test	A park can have theoretical volume but receive too little inflow or fail to drain safely
Utilities and approvals	Utility survey, ownership/access, structural and statutory review	A technically attractive site may still be unavailable or unsafe to construct

Recommended use

Use the complete CSV/GeoJSON and interactive map to select a small first field campaign. At each selected park, replace the mapped open-area estimate, texture reference and interpolated groundwater depth with measured values. Recalculate storage and recharge only after those measurements are available.

Groundwater safety rule

CGWB guidance states that artificial recharge structures are not recommended where the post-monsoon water level is shallower than 3 m below ground; storage can be considered instead. This report applies that 3 m screen and still requires local seasonal measurement.

MCG park source	PARKS_MCG_LIMIT_AREA; municipal utility package supplied 05 June 2026
CGWB NAQUIM	Open official Gurugram NAQUIM 2.0 report
CGWB recharge manual	Open Manual on Artificial Recharge of Ground Water
CGWB recharge FAQ	Open CGWB practical guidance
CGWB Master Plan	Open Master Plan for Artificial Recharge to Groundwater in India (2020)
ISRIC SoilGrids	Open SoilGrids 2.0 documentation
Texture-rate reference	Open USDA NRCS infiltration information sheet
Horton method	Open US EPA SWMM software and reference manuals