

Municipal Corporation of Gurugram (MCG)

Monsoon Preparedness & Flood Hotspot Management

WARD-WISE FLOOD HOTSPOT REPORT

For Use by Junior Engineers (JEs) at Ward Level

Ward Summary

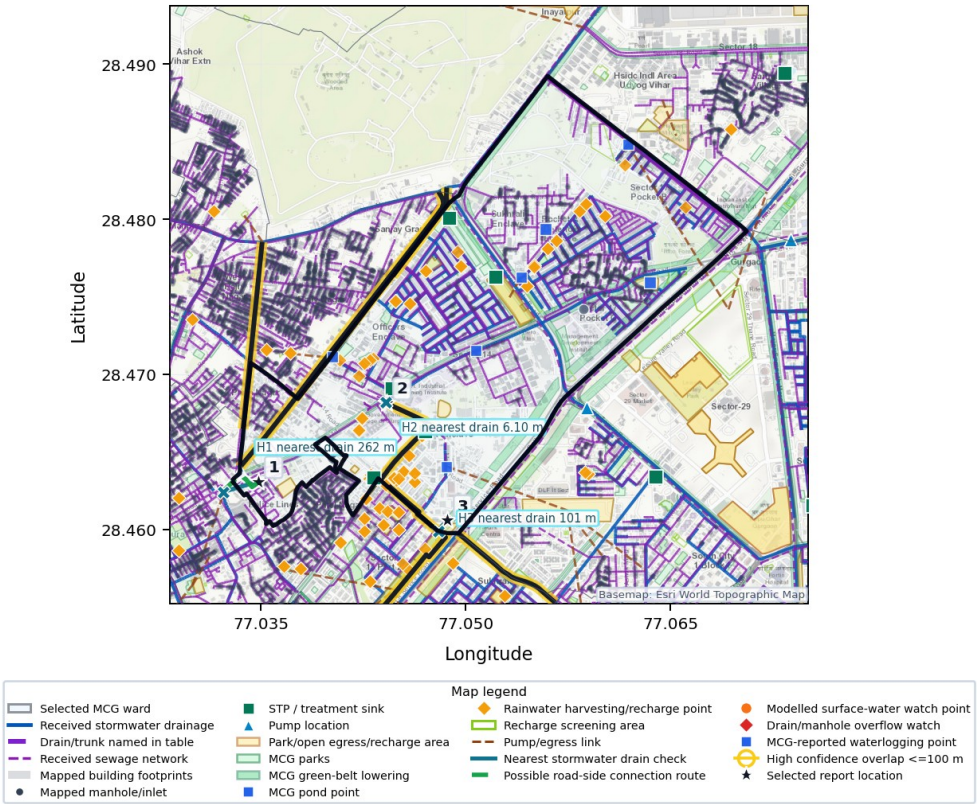
WARD NUMBER	MCG IDENTIFIED LOCATIONS	MODEL IDENTIFIED LOCATIONS
25	5	4
Ward Name / Area Covered	Airforce Station; Anamika Enclave; Canal Colony; Chandan nagar; HVPNL Colony; MDI; OLD DLF; Police Line; Prem Nagar 2; Sector 12A; Sector 14; Sector 16; Sector 16 IDC; Sector 17; +5 more localities	
Zone	Zone VIII	
Division	Zone VIII	
Assigned JE	Sumit Chahal JE 9599783198	
Report Date	29 July 2026	
Approved FloodAstra baseline	Approved June 5 current-assets baseline	
Utility assets	MCG/GMDA utility assets supplied up to 5 June 2026	
Rainfall used	July 2025 reported event, 133 mm / 12 h	
Hydraulic model	Apple MLX GPU; continuous city surface; roads, buildings, storm drains, sewers, manholes and recharge structures coupled dynamically	
Published depth range	0 to 1.50 m from field-reportable cells only	
Desilting / work status	5 mapped MCG work-status segments overlap this ward; 5 marked completed; 0 marked in progress. Confirm current completion with MCG field records.	
Priority action	Inspect drain/manhole overflow watch points, inlet condition, desilting status and downstream flow continuity	

Official Ward Contact Roster

Role	Supplied MCG contact
Councillor	Shri Anoop Singh BJP 9811167030
Executive Engineer (EE)	Sh. Parveen Raghav, EE, 9999716115
Assistant Engineer (AE)	Sh. Sumit Kumar, AE, 9467241646
JE Development	Sumit Chahal JE 9599783198
JE Enforcement	Vinay Verma 9971070036
JE Horticulture	Himanshu Rao 9821395268
JE Electrical	Devender 9999397898

Ward Action Map

Ward 25: drainage, sewage and hotspot action map



Blue lines are received stormwater drains. Purple dashed lines are received sewage lines. Green areas are MCG parks/green-belt lowering assets; blue squares are MCG pond points; amber diamonds are rainwater-harvesting/recharge points. Gray building footprints are used only to avoid suggesting routes through buildings. Cyan lines show the hotspot-to-stormwater-drain check. Green dashed lines show a possible road-side route where one was found.

This ward map shows 3,892 stormwater line segments, 17,566 sewage line segments, 4,194 manhole/inlet points, 24 STP/treatment points, 335 MCG park polygons, 4 pond points, 80 green-belt lowering areas and 304 rainwater-harvesting/recharge points from the approved GIS packet.

Field Action Summary

#	Location	Expected water	Mapped drain option	First field action
H1	Maharaja Agrasen Chowk	maximum modelled depth 0.60 m; average within 50 m 0.50 m; water remains above 15 cm for 10.1 h.	mapped stormwater drain near Maharaja Agrasen Chowk is 262 m away. The mapped roadside option is 393 m long and is not yet field-approved.	Check water backing up at the manhole; verify trunk drain level before pumping.
H2	Old DLF sec 14	maximum modelled depth 0.37 m; average within 50 m 0.20 m; water remains above 15 cm for 10.5 h.	mapped stormwater drain near Old DLF sec 14 is 6.10 m away. The mapped roadside option is 20.3 m long and is not yet field-approved.	Check water backing up at the manhole; verify trunk drain level before pumping.
H3	Sector 15 part II market road towards skoda showroom	maximum modelled depth 0.71 m; average within 50 m 0.30 m; water remains above 15 cm for 10.2 h.	mapped stormwater drain near Sector 15 part II market road towards skoda showroom is 101 m away. No field-approved connection route is recorded.	Check inlet continuity to the trunk; keep pump standby if water persists.

Complete Ward Location Register

No.	Source	Location	Lat	Lon	Expected water	How to use this point
R0 1	MCG	Sec 17A	28.47624	77.05405	0.29 m; above 15 cm for 44 min	Confirm at this location
R0 2	MCG	Sec 17B	28.48481	77.06190	0.23 m; above 15 cm for 36 min	Confirm at this location
R0 3	MCG	IDC Sec 16	28.47155	77.05076	0.18 m; above 15 cm for 26 min	Confirm at this location
R0 4	MCG	Old DLF sec 14	28.47111	77.04024	0.52 m; above 15 cm for 69 min	Confirm at this location
R0 5	MCG	Sector 15 part II market road towards skoda showroom	28.46407	77.04858	0.28 m; above 15 cm for 2.9 h	Confirm at this location
M0 1	Overflow watch	Maharaja Agrasen Chowk	28.46309	77.03479	0.60 m; above 15 cm for 10.1 h	Confirm at this location

No.	Source	Location	Lat	Lon	Expected water	How to use this point
M0 2	Overflow watch	Old DLF sec 14	28.46815	77.04418	0.37 m; above 15 cm for 10.5 h	Confirm at this location
M0 3	Model depth	Sector 15 part II market road towards skoda showroom	28.46059	77.04862	0.71 m; above 15 cm for 10.2 h	Confirm at this location
M0 4	Overflow watch	Sec 17A	28.47419	77.05862	0.51 m; above 15 cm for 5.0 h	Confirm at this location

Hotspot-wise Details

HOTSPOT 1

1. Hotspot Identification

Hotspot Name	Maharaja Agrasen Chowk
Latitude / Longitude	28.46309, 77.03479
Open location	Use the link below to open this point on Google Maps.

Google Map Links for Hotspot and Assets

Use these links for the field pin, nearby drainage/sewage assets and mapped support assets used in this report.

[H1: hotspot pin](#)

[H1: mapped receiving stormwater drain \(262 m\)](#)

[H1: nearest mapped stormwater line - map label 0 \(168 m\)](#)

[H1: mapped action drain - map label SWD-LINE-2192 \(166 m\)](#)

[H1: mapped main stormwater drain \(391 m\)](#)

[H1: nearest mapped sewage line \(0.10 m\)](#)

[H1: possible roadside connection route](#)

[H1: mapped pump - Mahavir Chowk; capacity 11.7 L/s \(151 m\)](#)

[H1: open/green receptor or park \(137 m\)](#)

[H1: MCG park - Civil Lines; ward 27 \(329 m\)](#)

[H1: MCG pond - Subhas Nagar Pond \(1,384 m\)](#)

[H1: MCG green-belt lowering area - Proposed \(63.9 m\)](#)

[H1: rainwater-harvesting/recharge point - GGSSS JACOB PURA \(582 m\)](#)

[H1: groundwater recharge screening area \(137 m\)](#)

[H1: nearest STP/treatment point - IN GULMOHAR PARK \(830 m\)](#)

[H1: nearest manhole/inlet \(1.80 m\)](#)

Scan QR code to open this hotspot on phone maps.



Hotspot Action Card

Go to	28.46309, 77.03479
Water concern	maximum modelled depth 0.60 m; average within 50 m 0.50 m; water remains above 15 cm for 10.1 h.
Nearest stormwater drain	mapped stormwater drain near Maharaja Agrasen Chowk is 262 m away. The mapped roadside option is 393 m long and is not yet field-approved.
Roadside connection checks	Mapped roadside option: approximately 393 m from this point to the receiving stormwater drain. The map follows roads and avoids mapped buildings. The route starts and ends at the nearest road points, about 21.6 m and 4.50 m from the mapped locations. Before approval, survey the level at both ends, confirm continuous fall toward the drain, mark every utility crossing and check that the receiving drain can accept flow. Do not construct if any check fails.
Nearby MCG sewage line	MCG sewage line is at this point. Check the nearest manhole for rising water. Do not discharge stormwater into this line.
First action at site	Check water backing up at the manhole; verify trunk drain level before pumping.
Before monsoon	Inspect and desilt mapped stormwater drain near Maharaja Agrasen Chowk (262 m) if silt/choking is seen.
Escalate if	Escalate if manhole overflow continues, trunk water level is high, or pumping has no safe discharge route.

2. Source

☐ MCG record	☒ Model-selected point
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3. Field Priority Level

☐ LOW	☐ MEDIUM	☐ HIGH	☒ VERY HIGH
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4. Flood Timing and Depth

At H1, record observed water depth, time, inlet condition and receiving-drain level. Compare these with the model estimate before work begins.

Field measure	Unit	Model estimate	Selected rainfall
Ponded water within 50 m	m³	1,930 m³	July 2025 rain

Field measure	Unit	Model estimate	Selected rainfall
Time water remains above 15 cm	hours	10.1	July 2025 rain
Time to exceed 15 cm after rain starts	hours	9.3	July 2025 rain
Maximum depth at this point	m	0.60 m	July 2025 rain
Average depth within 50 m	m	0.50 m	July 2025 rain
Maximum modelled flow speed	m/s	0.00 m/s	July 2025 rain

H1: record observed water depth and time, then photograph the inlet and receiving-drain level before work starts.

5. Recommendations

a. Drainage and Sewage Checks

Stormwater check: mapped stormwater drain near Maharaja Agrasen Chowk is about 262 m away and the mapped roadside option is about 393 m long. Open the inlet and receiving-drain access point, then use a clean-water flow test or observe the next rainfall to confirm that water reaches the drain without backing up. Sewage check: an MCG sewage line is at this point. Inspect the nearest manhole for rising water, but never use the sewage line as a stormwater or pump outlet.

b. Possible New Stormwater Connection

Mapped option: approximately 393 m of roadside connection to mapped stormwater drain near Maharaja Agrasen Chowk, which is 262 m away directly. Before sanctioning work, measure the source and receiving-drain levels, confirm continuous fall toward the drain, mark utility crossings and check that the receiving drain can accept the added flow. Do not construct if any one of these checks fails.

c. When to Desilt

Inspect the inlet, first upstream access point and first downstream access point leading to mapped stormwater drain near Maharaja Agrasen Chowk. Record silt depth and the free opening at each point. Desilt only where silt narrows the waterway or a clean-water flow test shows restriction; clear the full restricted reach and take before/after photographs.

d. Temporary Pump Decision

S.No.	Pump Location	Discharge Point	Pump Capacity / Type
1	H1 / local low point	Nearest mapped pump: Mahavir Chowk; capacity 11.7 L/s; likely discharge: MCG-DESILT-STORM-09801.	Confirm at site
2	Alternate discharge check for H1	Do not discharge to the nearby sewage line (0.10 m from H1); check safe storm drain/open area after checking route to mapped stormwater drain near Maharaja Agrasen Chowk (262 m).	Use only if site access and discharge permission are clear for H1.

S.No.	Pump Location	Discharge Point	Pump Capacity / Type
3	Gravity route to mapped stormwater drain near Maharaja Agrasen Chowk (262 m)	Use gravity only if water from H1 can visibly enter mapped stormwater drain near Maharaja Agrasen Chowk (262 m) after inlet and drain-level check.	No pump needed only if flow into mapped stormwater drain near Maharaja Agrasen Chowk (262 m) is confirmed at site.

e. New Drain or Inlet Decision

For H1, no screened pump/open receptor or main-drain drainage relief route within 50 m; field team should check a safe pump route. Map screening used depth/persistence/drain return, 50 m local flood-volume estimate, screened park/open receptors, storm-drain proximity, sewer proximity caution, and site visit constraints. H1: survey the mapped 393 m roadside option to mapped stormwater drain near Maharaja Agrasen Chowk, which is 262 m away directly. Measure levels at the source and receiving drain, confirm continuous fall, mark utilities and verify that the drain has capacity. Approve construction only when all four checks pass.

f. Rainwater Harvesting Check

Nearby open/receptor area: distance 137 m; possible temporary storage 2,056 m³; class site visit. Use only after checking groundwater, water quality and ownership.

g. Temporary Diversion to Park or Pond

Possible nearby storage: 2,056 m³; Check slope, access, permission and overflow route.

6. Site Visit Checklist for H1

Site check	Yes	No	Notes
Waterlogging seen at this pin	☐	☐	H1: 28.46309, 77.03479
Nearest drain/trunk visible	☐	☐	mapped stormwater drain near Maharaja Agrasen Chowk (262 m)
Roadside connection route surveyed	☐	☐	Mapped roadside option: approximately 393 m from this point to the receiving stormwater drain. The map follows roads and avoids mapped buildings. The route starts and ends at the nearest road points, about 21.6 m and 4.50 m from the mapped locations. Before approval, survey the level at both ends, confirm continuous fall toward the drain, mark every utility crossing and check that the receiving drain can accept flow. Do not construct if any check fails.
Levels at both ends measured	☐	☐	Record source and receiving-drain levels; confirm continuous fall and a lower downstream water level.
Inlet/manhole blockage checked	☐	☐	Check water backing up at the manhole; verify trunk drain level before pumping.
Silt visible in drain	☐	☐	Check mapped stormwater drain near Maharaja Agrasen Chowk (262 m).
Sewage manhole overflow checked	☐	☐	MCG sewage line is at this point. Check the nearest manhole for rising water. Do not discharge stormwater into this line.
Safe pump discharge route available	☐	☐	Keep pump ready only after checking manhole/trunk level; pump capacity to be checked at site.
Road/access safety checked	☐	☐	79 m from Mehrauli-Gurgaon Road (secondary)
Photos taken and attached	☐	☐	Photo label should include H1.
Needs escalation to senior engineer	☐	☐	Escalate if manhole overflow continues, trunk water level is high, or pumping has no safe discharge route.

7. Field Decision Box for H1

Decision	Select	Field note
Clean inlet/blockage immediately	☐	Check water backing up at the manhole; verify trunk drain level before pumping.
Inspect/desilt stormwater drain	☐	Inspect and desilt mapped stormwater drain near Maharaja Agrasen Chowk (262 m) if silt/choking is seen.
Survey a new roadside connection	☐	H1: survey the mapped 393 m roadside option to mapped stormwater drain near Maharaja Agrasen Chowk, which is 262 m away directly. Measure levels at the source and receiving drain, confirm continuous fall, mark utilities and verify that the drain has capacity. Approve construction only when all four checks pass.
Use a temporary pump	☐	Keep pump ready only after checking manhole/trunk level; pump capacity to be checked at site.
Escalate or restrict access	☐	Escalate if manhole overflow continues, trunk water level is high, or pumping has no safe discharge route.

HOTSPOT 2

1. Hotspot Identification

Hotspot Name	Old DLF sec 14
Latitude / Longitude	28.46815, 77.04418
Open location	Use the link below to open this point on Google Maps.

Google Map Links for Hotspot and Assets

Use these links for the field pin, nearby drainage/sewage assets and mapped support assets used in this report.

[H2: hotspot pin](#)

[H2: mapped receiving stormwater drain \(6.10 m\)](#)

[H2: nearest mapped stormwater line \(0.00 m\)](#)

[H2: mapped action drain - map label SWD-LINE-977 \(0.00 m\)](#)

[H2: mapped main stormwater drain \(910 m\)](#)

[H2: nearest mapped sewage line - GMDA Network \(4.30 m\)](#)

[H2: possible roadside connection route](#)

[H2: mapped pump - Sec-15 Part-II, Chanden Nagar; capacity 33.3 L/s \(531 m\)](#)

[H2: open/green receptor or park \(374 m\)](#)

[H2: MCG park - Swarn Jayanti; ward 25 \(107 m\)](#)

[H2: MCG pond - Sukhrali Enclave Pond \(1,688 m\)](#)

[H2: MCG green-belt lowering area - Proposed \(7.80 m\)](#)

[H2: rainwater-harvesting/recharge point - Girls college \(Sec-14\)gate right \(recorded as functional\) \(207 m\)](#)

[H2: groundwater recharge screening area \(350 m\)](#)

[H2: nearest STP/treatment point - MICRO-STP OLD DLF; capacity 25.0 KLD \(110 m\)](#)

[H2: nearest manhole/inlet \(180 m\)](#)

Scan QR code to open this hotspot on phone maps.



Hotspot Action Card

Go to	28.46815, 77.04418
Water concern	maximum modelled depth 0.37 m; average within 50 m 0.20 m; water remains above 15 cm for 10.5 h.

Nearest stormwater drain	mapped stormwater drain near Old DLF sec 14 is 6.10 m away. The mapped roadside option is 20.3 m long and is not yet field-approved.
Roadside connection checks	Mapped roadside option: approximately 20.3 m from this point to the receiving stormwater drain. The map follows roads and avoids mapped buildings. The route starts and ends at the nearest road points, about 13.0 m and 7.30 m from the mapped locations. Before approval, survey the level at both ends, confirm continuous fall toward the drain, mark every utility crossing and check that the receiving drain can accept flow. Do not construct if any check fails.
Nearby MCG sewage line	MCG sewage line is about 4.30 m away. Check the nearest manhole for rising water. Do not discharge stormwater into this line.
First action at site	Check water backing up at the manhole; verify trunk drain level before pumping.
Before monsoon	Inspect and desilt mapped stormwater drain near Old DLF sec 14 (6.10 m) if silt/choking is seen.
Escalate if	Escalate if manhole overflow continues, trunk water level is high, or pumping has no safe discharge route.

2. Source

☐ MCG record	☒ Model-selected point
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3. Field Priority Level

☐ LOW	☐ MEDIUM	☐ HIGH	☒ VERY HIGH
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4. Flood Timing and Depth

At H2, record observed water depth, time, inlet condition and receiving-drain level. Compare these with the model estimate before work begins.

Field measure	Unit	Model estimate	Selected rainfall
Ponded water within 50 m	m³	1,799 m³	July 2025 rain
Time water remains above 15 cm	hours	10.5	July 2025 rain
Time to exceed 15 cm after rain starts	hours	3.3	July 2025 rain
Maximum depth at this point	m	0.37 m	July 2025 rain
Average depth within 50 m	m	0.20 m	July 2025 rain
Maximum modelled flow speed	m/s	0.01 m/s	July 2025 rain

H2: record observed water depth and time, then photograph the inlet and receiving-drain level before work starts.

5. Recommendations

a. Drainage and Sewage Checks

Stormwater check: mapped stormwater drain near Old DLF sec 14 is about 6.10 m away and the mapped roadside option is about 20.3 m long. Open the inlet and receiving-drain access point, then use a clean-

water flow test or observe the next rainfall to confirm that water reaches the drain without backing up. Sewage check: an MCG sewage line is about 4.30 m away. Inspect the nearest manhole for rising water, but never use the sewage line as a stormwater or pump outlet.

b. Possible New Stormwater Connection

Mapped option: approximately 20.3 m of roadside connection to mapped stormwater drain near Old DLF sec 14, which is 6.10 m away directly. Before sanctioning work, measure the source and receiving-drain levels, confirm continuous fall toward the drain, mark utility crossings and check that the receiving drain can accept the added flow. Do not construct if any one of these checks fails.

c. When to Desilt

Inspect the inlet, first upstream access point and first downstream access point leading to mapped stormwater drain near Old DLF sec 14. Record silt depth and the free opening at each point. Desilt only where silt narrows the waterway or a clean-water flow test shows restriction; clear the full restricted reach and take before/after photographs.

d. Temporary Pump Decision

S.No.	Pump Location	Discharge Point	Pump Capacity / Type
1	H2 / local low point	Nearest mapped pump: Sec-15 Part-II, Chanden Nagar; capacity 33.3 L/s; likely discharge: MCG-DESILT-SEWER-13074.	Confirm at site
2	Alternate discharge check for H2	Do not discharge to the nearby sewage line (4.30 m from H2); check safe storm drain/open area after checking route to mapped stormwater drain near Old DLF sec 14 (6.10 m).	Use only if site access and discharge permission are clear for H2.
3	Gravity route to mapped stormwater drain near Old DLF sec 14 (6.10 m)	Use gravity only if water from H2 can visibly enter mapped stormwater drain near Old DLF sec 14 (6.10 m) after inlet and drain-level check.	No pump needed only if flow into mapped stormwater drain near Old DLF sec 14 (6.10 m) is confirmed at site.

e. New Drain or Inlet Decision

For H2, inspect the nearest stormwater drain, inlet blockage, silt and downstream continuity. Use a pump route only if flow into mapped stormwater drain near Old DLF sec 14 (6.10 m) cannot be restored. H2: survey the mapped 20.3 m roadside option to mapped stormwater drain near Old DLF sec 14, which is 6.10 m away directly. Measure levels at the source and receiving drain, confirm continuous fall, mark utilities and verify that the drain has capacity. Approve construction only when all four checks pass.

f. Rainwater Harvesting Check

Nearby open/receptor area: distance 374 m; possible temporary storage 1,807 m³; class site visit. Use only after checking groundwater, water quality and ownership.

g. Temporary Diversion to Park or Pond

Possible nearby storage: 1,807 m³; Check slope, access, permission and overflow route.

6. Site Visit Checklist for H2

Site check	Yes	No	Notes
Waterlogging seen at this pin	☐	☐	H2: 28.46815, 77.04418
Nearest drain/trunk visible	☐	☐	mapped stormwater drain near Old DLF sec 14 (6.10 m)
Roadside connection route surveyed	☐	☐	Mapped roadside option: approximately 20.3 m from this point to the receiving stormwater drain. The map follows roads and avoids mapped buildings. The route starts and ends at the nearest road points, about 13.0 m and 7.30 m from the mapped locations. Before approval, survey the level at both ends, confirm continuous fall toward the drain, mark every utility crossing and check that the receiving drain can accept flow. Do not construct if any check fails.
Levels at both ends measured	☐	☐	Record source and receiving-drain levels; confirm continuous fall and a lower downstream water level.
Inlet/manhole blockage checked	☐	☐	Check water backing up at the manhole; verify trunk drain level before pumping.
Silt visible in drain	☐	☐	Check mapped stormwater drain near Old DLF sec 14 (6.10 m).
Sewage manhole overflow checked	☐	☐	MCG sewage line is about 4.30 m away. Check the nearest manhole for rising water. Do not discharge stormwater into this line.
Safe pump discharge route available	☐	☐	Keep pump ready only after checking manhole/trunk level; pump capacity to be checked at site.
Road/access safety checked	☐	☐	20 m from Mehrauli-Gurgaon Road (primary)
Photos taken and attached	☐	☐	Photo label should include H2.
Needs escalation to senior engineer	☐	☐	Escalate if manhole overflow continues, trunk water level is high, or pumping has no safe discharge route.

7. Field Decision Box for H2

Decision	Select	Field note
Clean inlet/blockage immediately	☐	Check water backing up at the manhole; verify trunk drain level before pumping.
Inspect/desilt stormwater drain	☐	Inspect and desilt mapped stormwater drain near Old DLF sec 14 (6.10 m) if silt/choking is seen.
Survey a new roadside connection	☐	H2: survey the mapped 20.3 m roadside option to mapped stormwater drain near Old DLF sec 14, which is 6.10 m away directly. Measure levels at the source and receiving drain, confirm continuous fall, mark utilities and verify that the drain has capacity. Approve construction only when all four checks pass.
Use a temporary pump	☐	Keep pump ready only after checking manhole/trunk level; pump capacity to be checked at site.
Escalate or restrict access	☐	Escalate if manhole overflow continues, trunk water level is high, or pumping has no safe discharge route.

HOTSPOT 3

1. Hotspot Identification

Hotspot Name	Sector 15 part II market road towards skoda showroom
Latitude / Longitude	28.46059, 77.04862
Open location	Use the link below to open this point on Google Maps.

Google Map Links for Hotspot and Assets

Use these links for the field pin, nearby drainage/sewage assets and mapped support assets used in this report.

[H3: hotspot pin](#)

[H3: mapped receiving stormwater drain \(101 m\)](#)

[H3: nearest mapped stormwater line \(101 m\)](#)

[H3: mapped action drain - map label SWD-LINE-979 \(101 m\)](#)

[H3: mapped main stormwater drain \(122 m\)](#)

[H3: nearest mapped sewage line \(110 m\)](#)

[H3: mapped pump - Sec-15 Part-II, Gulmohar Park; capacity 137 L/s \(604 m\)](#)

[H3: open/green receptor or park \(25.3 m\)](#)

[H3: MCG park - SECTOR 15-2; ward 25 \(320 m\)](#)

[H3: MCG green-belt lowering area - Proposed \(0.00 m\)](#)

[H3: rainwater-harvesting/recharge point - SEC 15 PART 2 CITIZEN PARK WARD NO 13 \(257 m\)](#)

[H3: groundwater recharge screening area \(25.3 m\)](#)

[H3: nearest STP/treatment point - IN GULMOHAR PARK \(606 m\)](#)

[H3: nearest manhole/inlet \(124 m\)](#)

Scan QR code to open this hotspot on phone maps.



Hotspot Action Card

Go to	28.46059, 77.04862
Water concern	maximum modelled depth 0.71 m; average within 50 m 0.30 m; water remains above 15 cm for 10.2 h.
Nearest stormwater drain	mapped stormwater drain near Sector 15 part II market road towards skoda showroom is 101 m away. No field-approved connection route is recorded.

Roadside connection checks	No roadside connection route has been mapped without crossing a building. Before proposing work, survey a road alignment, measure the level at both ends, mark utilities and confirm continuous fall toward a stormwater drain that can accept flow.
Nearby MCG sewage line	MCG sewage line is about 110 m away. Check the nearest manhole for rising water. Do not discharge stormwater into this line.
First action at site	Check inlet continuity to the trunk; keep pump standby if water persists.
Before monsoon	Inspect and desilt mapped stormwater drain near Sector 15 part II market road towards skoda showroom (101 m) if silt/choking is seen.
Escalate if	Escalate if water does not enter mapped stormwater drain near Sector 15 part II market road towards skoda showroom (101 m) after inlet clearing.

2. Source

☐ MCG record	☒ Model-selected point
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3. Field Priority Level

☐ LOW	☐ MEDIUM	☐ HIGH	☒ VERY HIGH
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4. Flood Timing and Depth

At H3, record observed water depth, time, inlet condition and receiving-drain level. Compare these with the model estimate before work begins.

Field measure	Unit	Model estimate	Selected rainfall
Ponded water within 50 m	m³	1,802 m³	July 2025 rain
Time water remains above 15 cm	hours	10.2	July 2025 rain
Time to exceed 15 cm after rain starts		Not resolved for this point	July 2025 rain
Maximum depth at this point	m	0.71 m	July 2025 rain
Average depth within 50 m	m	0.30 m	July 2025 rain
Maximum modelled flow speed	m/s	0.00 m/s	July 2025 rain

H3: record observed water depth and time, then photograph the inlet and receiving-drain level before work starts.

5. Recommendations

a. Drainage and Sewage Checks

Stormwater check: mapped stormwater drain near Sector 15 part II market road towards skoda showroom is about 101 m away, but no roadside connection is mapped. Trace the inlet to the drain and record any missing, crushed or blocked reach before scheduling work. Sewage check: an MCG sewage line is about 110 m away. Inspect the nearest manhole for rising water, but never use the sewage line as a stormwater or pump outlet.

b. Possible New Stormwater Connection

mapped stormwater drain near Sector 15 part II market road towards skoda showroom is about 101 m away, but no building-free roadside route is mapped. Do not mark a new link construction-ready until the JE traces the alignment, measures levels at both ends, marks utilities, checks frontage/access and confirms that the receiving drain can accept flow.

c. When to Desilt

Inspect the inlet, first upstream access point and first downstream access point leading to mapped stormwater drain near Sector 15 part II market road towards skoda showroom. Record silt depth and the free opening at each point. Desilt only where silt narrows the waterway or a clean-water flow test shows restriction; clear the full restricted reach and take before/after photographs.

d. Temporary Pump Decision

S.No.	Pump Location	Discharge Point	Pump Capacity / Type
1	H3 / local low point	Nearest mapped pump: Sec-15 Part-II, Gulmohar Park; capacity 137 L/s; likely discharge: SWD-LINE-2719.	Confirm at site
2	Alternate discharge check for H3	Check a second safe discharge route from H3 to a storm drain/open area if mapped stormwater drain near Sector 15 part II market road towards skoda showroom (101 m) cannot receive flow.	Use only if site access and discharge permission are clear for H3.
3	Gravity route to mapped stormwater drain near Sector 15 part II market road towards skoda showroom (101 m)	Use gravity only if water from H3 can visibly enter mapped stormwater drain near Sector 15 part II market road towards skoda showroom (101 m) after inlet and drain-level check.	No pump needed only if flow into mapped stormwater drain near Sector 15 part II market road towards skoda showroom (101 m) is confirmed at site.

e. New Drain or Inlet Decision

For H3, screen temporary pump to within 25.3 m; storage about 5,893 m³; time-to-fill about 1992.7 min under local 50 m volume-rate estimate. Map screening used depth/persistence/drain return, 50 m local flood-volume estimate, screened park/open receptors, storm-drain proximity, sewer proximity caution, and site visit constraints. H3: mapped stormwater drain near Sector 15 part II market road towards skoda showroom is 101 m away, but no building-free roadside route is mapped. Trace a road alignment, measure levels at both ends, mark utilities and confirm receiving-drain capacity before proposing construction.

f. Rainwater Harvesting Check

Nearby open/receptor area: distance 25.3 m; possible temporary storage 5,893 m³; class priority. Use only after checking groundwater, water quality and ownership.

g. Temporary Diversion to Park or Pond

Possible nearby storage: 5,893 m³; 1,993 min. Check slope, access, permission and overflow route.

6. Site Visit Checklist for H3

Site check	Yes	No	Notes
Waterlogging seen at this pin	☐	☐	H3: 28.46059, 77.04862
Nearest drain/trunk visible	☐	☐	mapped stormwater drain near Sector 15 part II market road towards skoda showroom (101 m)
Roadside connection route surveyed	☐	☐	No roadside connection route has been mapped without crossing a building. Before proposing work, survey a road alignment, measure the level at both ends, mark utilities and confirm continuous fall toward a stormwater drain that can accept flow.
Levels at both ends measured	☐	☐	Record source and receiving-drain levels; confirm continuous fall and a lower downstream water level.
Inlet/manhole blockage checked	☐	☐	Check inlet continuity to the trunk; keep pump standby if water persists.
Silt visible in drain	☐	☐	Check mapped stormwater drain near Sector 15 part II market road towards skoda showroom (101 m).
Sewage manhole overflow checked	☐	☐	MCG sewage line is about 110 m away. Check the nearest manhole for rising water. Do not discharge stormwater into this line.
Safe pump discharge route available	☐	☐	Keep pump ready only if flow to mapped stormwater drain near Sector 15 part II market road towards skoda showroom (101 m) does not start after inlet clearing.
Road/access safety checked	☐	☐	83 m from secondary
Photos taken and attached	☐	☐	Photo label should include H3.
Needs escalation to senior engineer	☐	☐	Escalate if water does not enter mapped stormwater drain near Sector 15 part II market road towards skoda showroom (101 m) after inlet clearing.

7. Field Decision Box for H3

Decision	Select	Field note
Clean inlet/blockage immediately	[]	Check inlet continuity to the trunk; keep pump standby if water persists.
Inspect/desilt stormwater drain	[]	Inspect and desilt mapped stormwater drain near Sector 15 part II market road towards skoda showroom (101 m) if silt/choking is seen.
Survey a new roadside connection	[]	H3: mapped stormwater drain near Sector 15 part II market road towards skoda showroom is 101 m away, but no building-free roadside route is mapped. Trace a road alignment, measure levels at both ends, mark utilities and confirm receiving-drain capacity before proposing construction.
Use a temporary pump	[]	Keep pump ready only if flow to mapped stormwater drain near Sector 15 part II market road towards skoda showroom (101 m) does not start after inlet clearing.
Escalate or restrict access	[]	Escalate if water does not enter mapped stormwater drain near Sector 15 part II market road towards skoda showroom (101 m) after inlet clearing.