

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

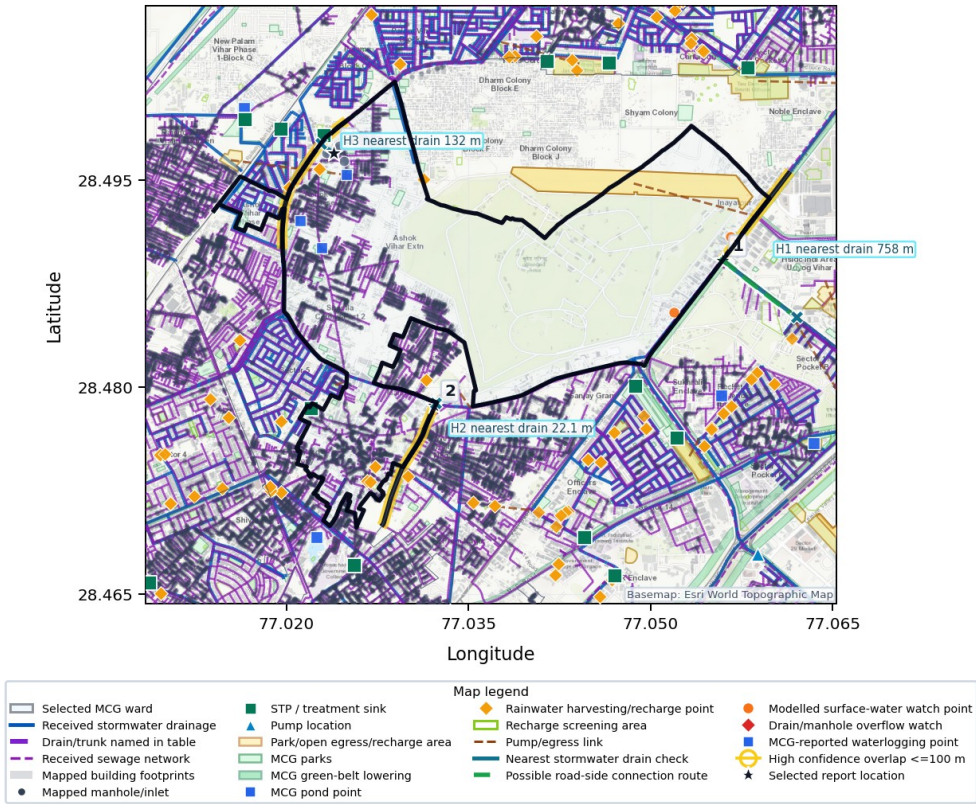
WARD NUMBER	MCG IDENTIFIED LOCATIONS	MODEL IDENTIFIED LOCATIONS
36	3	9
Ward Name / Area Covered	Amanpura; Ashok Vihar; Ashok Vihar Phase I; Ashok Vihar Phase 2; Ashok Vihar Phase 3; Gurgaon Village	
Zone	Zone V	
Division	Zone V	
Assigned JE	Sunil Kumar JE 9050101092	
Report Date	29 July 2026	
Approved 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	9 mapped MCG work-status segments overlap this ward; 9 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	Smt Rekha BJP 9873508925
Executive Engineer (EE)	Sh. Parveen Raghav, EE, 9999716115
Assistant Engineer (AE)	Sh. Naim Hussain, AE, 9821395235
JE Development	Sunil Kumar JE 9050101092
JE Enforcement	Ankit Kapoor 8802588667
JE Horticulture	Gulshan Yadav 9821395258
JE Electrical	Devender 9999397898

Ward Action Map

Ward 36: 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 5,225 stormwater line segments, 26,092 sewage line segments, 7,165 manhole/inlet points, 28 STP/treatment points, 451 MCG park polygons, 5 pond points, 121 green-belt lowering areas and 420 rainwater-harvesting/recharge points from the approved GIS packet.

Field Action Summary

#	Location	Expected water	Mapped drain option	First field action
H1	Sarhol mod sector -18 T point	maximum modelled depth 1.00 m; average within 50 m 0.90 m; water remains above 15 cm for 12.0 h.	map label 471 (storm) near Sarhol mod sector -18 T point is 758 m away. The mapped roadside option is 771 m long and is not yet field-approved.	Check water backing up at the manhole; verify trunk drain level before pumping.
H2	CRPF camp chowk,	maximum modelled depth 0.33 m; average within 50 m 0.30 m; water remains above 15 cm for 7.7 h.	map label 604 (storm) near CRPF camp chowk, is 22.1 m away. The mapped roadside option is 33.2 m long and is not yet field-approved.	Check water backing up at the manhole; verify trunk drain level before pumping.
H3	A Block, Ashok Vihar, Phase-III	maximum modelled depth 0.50 m; average within 50 m 0.50 m; water remains above 15 cm for 9.2 h.	map label 715 (storm) near A Block, Ashok Vihar, Phase-III is 132 m away. No field-approved connection route is recorded.	Check water backing up at the manhole; verify trunk drain level before pumping.

Complete Ward Location Register

No.	Source	Location	Lat	Lon	Expected water	How to use this point
R0 1	MCG	Sheetla Mandir Road	28.49205	77.02111	0.53 m; above 15 cm for 2.0 h	Confirm at this location
R0 2	MCG	Ashok Vihar Phase-II, Near Chotu Ram Chowk	28.49007	77.02287	0.22 m; above 15 cm for 1.7 h	Confirm at this location
R0 3	MCG	A Block, Ashok Vihar, Phase-III	28.49539	77.02495	0.33 m; above 15 cm for 4.3 h	Confirm at this location
M0 1	Overflow watch	Sarhol mod sector -18 T point	28.48918	77.05591	1.00 m; above 15 cm for 12.0 h	Confirm at this location
M0 2	Overflow watch	CRPF camp chowk,	28.47865	77.03219	0.33 m; above 15 cm for 7.7 h	Confirm at this location
M0 3	Overflow watch	A Block, Ashok Vihar, Phase-III	28.49692	77.02392	0.50 m; above 15 cm for 9.2 h	Confirm at this location

No.	Source	Location	Lat	Lon	Expected water	How to use this point
M0 4	Overflow watch	A Block, Ashok Vihar, Phase-III	28.49798	77.02480	0.47 m; above 15 cm for 11.0 h	Confirm at this location
M0 5	Overflow watch	A Block, Ashok Vihar, Phase-III	28.49695	77.02332	0.37 m; above 15 cm for 9.4 h	Confirm at this location
M0 6	Overflow watch	A Block, Ashok Vihar, Phase-III	28.49745	77.02435	0.49 m; above 15 cm for 9.0 h	Confirm at this location
M0 7	Model depth	Sarhol mod sector -18 T point	28.49091	77.05657	0.81 m; above 15 cm for 9.4 h	Confirm at this location
M0 8	Overflow watch	A Block, Ashok Vihar, Phase-III	28.49638	77.02474	0.44 m; above 15 cm for 8.8 h	Confirm at this location
M0 9	Model depth	Sec 17B	28.48540	77.05191	1.19 m; above 15 cm for 11.8 h	Confirm at this location

Hotspot-wise Details

HOTSPOT 1

1. Hotspot Identification

Hotspot Name	Sarhol mod sector -18 T point
Latitude / Longitude	28.48918, 77.05591
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 - map label 471 \(758 m\)](#)

[H1: nearest mapped stormwater line - map label 704 \(0.00 m\)](#)

[H1: mapped action drain \(0.00 m\)](#)

[H1: mapped main stormwater drain \(0.00 m\)](#)

[H1: nearest mapped sewage line - GMDA Network \(6.50 m\)](#)

[H1: possible roadside connection route](#)

[H1: open/green receptor or park \(438 m\)](#)

[H1: MCG park - SECTOR 18; ward 2 \(255 m\)](#)

[H1: MCG pond - Sukhrali Enclave Pond \(1,084 m\)](#)

[H1: MCG green-belt lowering area - Proposed \(17.6 m\)](#)

[H1: rainwater-harvesting/recharge point - BLOCK B IFFCO COLONY SECTOR 17 \(844 m\)](#)

[H1: groundwater recharge screening area \(338 m\)](#)

[H1: nearest STP/treatment point - MICRO STP SECTOR-14 \(1,230 m\)](#)

[H1: nearest manhole/inlet \(762 m\)](#)

Scan QR code to open this hotspot on phone maps.



Hotspot Action Card

Go to	28.48918, 77.05591
Water concern	maximum modelled depth 1.00 m; average within 50 m 0.90 m; water remains above 15 cm for 12.0 h.
Nearest stormwater drain	map label 471 (storm) near Sarhol mod sector -18 T point is 758 m away. The mapped roadside option is 771 m long and is not yet field-approved.
Roadside connection checks	Mapped roadside option: approximately 771 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 7.30 m and 4.00 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 6.50 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 map label 471 (storm) near Sarhol mod sector -18 T point (758 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	m ³	6,721 m ³	July 2025 rain
Time water remains above 15 cm	hours	12.0	July 2025 rain
Time to exceed 15 cm after rain starts	minutes	8	July 2025 rain
Maximum depth at this point	m	1.00 m	July 2025 rain
Average depth within 50 m	m	0.90 m	July 2025 rain
Maximum modelled flow speed	m/s	0.11 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: map label 471 (storm) near Sarhol mod sector -18 T point is about 758 m away and the mapped roadside option is about 771 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 6.50 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 771 m of roadside connection to map label 471 (storm) near Sarhol mod sector -18 T point, which is 758 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 map label 471 (storm) near Sarhol mod sector -18 T point. 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	No mapped pump is shown near H1. If water remains after inlet clearing, use a temporary pump only toward map label 471 (storm) near Sarhol mod sector -18 T point (758 m) or a verified open/green area; do not use the nearby sewage line (6.50 m from H1) as discharge.	934 L/s for 2-hour clearing; 467 L/s for 4-hour clearing; confirm pump head and hose route at H1.

S.No.	Pump Location	Discharge Point	Pump Capacity / Type
2	Alternate discharge check for H1	Do not discharge to the nearby sewage line (6.50 m from H1); check safe storm drain/open area after checking route to map label 471 (storm) near Sarhol mod sector -18 T point (758 m).	Use only if site access and discharge permission are clear for H1.
3	Gravity route to map label 471 (storm) near Sarhol mod sector -18 T point (758 m)	Use gravity only if water from H1 can visibly enter map label 471 (storm) near Sarhol mod sector -18 T point (758 m) after inlet and drain-level check.	No pump needed only if flow into map label 471 (storm) near Sarhol mod sector -18 T point (758 m) is confirmed at site.

e. New Drain or Inlet Decision

For H1, nearest main stormwater drain is 0 m away; check road inlet level, drain level and downstream discharge before routing or pumping. 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 771 m roadside option to map label 471 (storm) near Sarhol mod sector -18 T point, which is 758 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 438 m; possible temporary storage 49,043 m³; class priority. Use only after checking groundwater, water quality and ownership.

g. Temporary Diversion to Park or Pond

Possible nearby storage: 49,043 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: 28.48918, 77.05591
Nearest drain/trunk visible	☐	☐	map label 471 (storm) near Sarhol mod sector -18 T point (758 m)
Roadside connection route surveyed	☐	☐	Mapped roadside option: approximately 771 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 7.30 m and 4.00 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 map label 471 (storm) near Sarhol mod sector -18 T point (758 m).
Sewage manhole overflow checked	☐	☐	MCG sewage line is about 6.50 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; estimated 2 h pump need is about 934 L/s.
Road/access safety checked	☐	☐	6 m from Old Delhi 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 map label 471 (storm) near Sarhol mod sector -18 T point (758 m) if silt/choking is seen.
Survey a new roadside connection	☐	H1: survey the mapped 771 m roadside option to map label 471 (storm) near Sarhol mod sector -18 T point, which is 758 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; estimated 2 h pump need is about 934 L/s.
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	CRPF camp chowk,
Latitude / Longitude	28.47865, 77.03219
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 - map label 604 \(22.1 m\)](#)

[H2: nearest mapped stormwater line - map label 477 \(0.20 m\)](#)

[H2: mapped action drain \(0.30 m\)](#)

[H2: mapped main stormwater drain \(0.30 m\)](#)

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

[H2: possible roadside connection route](#)

[H2: mapped pump - Mahavir Chowk; capacity 11.7 L/s \(1,651 m\)](#)

[H2: MCG park - Shitla Colony; ward 36 \(533 m\)](#)

[H2: MCG pond - Subhas Nagar Pond \(1,426 m\)](#)

[H2: MCG green-belt lowering area - Master plan \(856 m\)](#)

[H2: rainwater-harvesting/recharge point - SHEETLA COLONY NEAR SHEETLA MATA MANDIR \(216 m\)](#)

[H2: groundwater recharge screening area \(222 m\)](#)

[H2: nearest STP/treatment point - Gurugram Village \(992 m\)](#)

[H2: nearest manhole/inlet \(2.50 m\)](#)

Scan QR code to open this hotspot on phone maps.



Hotspot Action Card

Go to	28.47865, 77.03219
Water concern	maximum modelled depth 0.33 m; average within 50 m 0.30 m; water remains above 15 cm for 7.7 h.
Nearest stormwater drain	map label 604 (storm) near CRPF camp chowk, is 22.1 m away. The mapped roadside option is 33.2 m long and is not yet field-approved.

Roadside connection checks	Mapped roadside option: approximately 33.2 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 5.50 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 map label 604 (storm) near CRPF camp chowk, (22.1 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	1,739 m³	July 2025 rain
Time water remains above 15 cm	hours	7.7	July 2025 rain
Time to exceed 15 cm after rain starts	hours	5.2	July 2025 rain
Maximum depth at this point	m	0.33 m	July 2025 rain
Average depth within 50 m	m	0.30 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: map label 604 (storm) near CRPF camp chowk, is about 22.1 m away and the mapped roadside option is about 33.2 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 33.2 m of roadside connection to map label 604 (storm) near CRPF camp chowk,, which is 22.1 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 map label 604 (storm) near CRPF camp 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	H2 / local low point	No mapped pump is shown near H2. If water remains after inlet clearing, use a temporary pump only toward map label 604 (storm) near CRPF camp chowk, (22.1 m) or a verified open/green area; do not use the nearby sewage line (0.00 m from H2) as discharge.	242 L/s for 2-hour clearing; 121 L/s for 4-hour clearing; confirm pump head and hose route at H2.
2	Alternate discharge check for H2	Do not discharge to the nearby sewage line (0.00 m from H2); check safe storm drain/open area after checking route to map label 604 (storm) near CRPF camp chowk, (22.1 m).	Use only if site access and discharge permission are clear for H2.
3	Gravity route to map label 604 (storm) near CRPF camp chowk, (22.1 m)	Use gravity only if water from H2 can visibly enter map label 604 (storm) near CRPF camp chowk, (22.1 m) after inlet and drain-level check.	No pump needed only if flow into map label 604 (storm) near CRPF camp chowk, (22.1 m) is confirmed at site.

e. New Drain or Inlet Decision

For H2, nearest main stormwater drain is 0 m away; check road inlet level, drain level and downstream discharge before routing or pumping. 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. H2: survey the mapped 33.2 m roadside option to map label 604 (storm) near CRPF camp chowk,, which is 22.1 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

Not identified/applicable in current approved data

g. Temporary Diversion to Park or Pond

Possible receiving area: Nearest main stormwater drain (map label MASTER-SWD-7) is 0 m away; check road inlet level, drain level and downstream discharge before routing Nearby landmark: CRPF camp chowk,.; possible storage Check slope, access, permission and overflow route.

6. Site Visit Checklist for H2

Site check	Yes	No	Notes
Waterlogging seen at this pin	☐	☐	H2: 28.47865, 77.03219
Nearest drain/trunk visible	☐	☐	map label 604 (storm) near CRPF camp chowk, (22.1 m)
Roadside connection route surveyed	☐	☐	Mapped roadside option: approximately 33.2 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 5.50 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 map label 604 (storm) near CRPF camp chowk, (22.1 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; estimated 2 h pump need is about 242 L/s.
Road/access safety checked	☐	☐	18 m from secondary
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 map label 604 (storm) near CRPF camp chowk, (22.1 m) if silt/choking is seen.
Survey a new roadside connection	[]	H2: survey the mapped 33.2 m roadside option to map label 604 (storm) near CRPF camp chowk,, which is 22.1 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; estimated 2 h pump need is about 242 L/s.
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	A Block, Ashok Vihar, Phase-III
Latitude / Longitude	28.49692, 77.02392
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 - map label 715 \(132 m\)](#)

[H3: nearest mapped stormwater line - map label 715 \(132 m\)](#)

[H3: mapped action drain \(132 m\)](#)

[H3: mapped main stormwater drain \(132 m\)](#)

[H3: nearest mapped sewage line \(1.10 m\)](#)

[H3: mapped pump - D-block behind Red Rose Public School; capacity 11.7 L/s \(1,614 m\)](#)

[H3: open/green receptor or park \(743 m\)](#)

[H3: MCG park - Ashok Vihar Phase 3; ward 36 \(87.9 m\)](#)

[H3: MCG pond - Sarai Alawardi Pond \(813 m\)](#)

[H3: MCG green-belt lowering area - Existing \(600 m\)](#)

[H3: rainwater-harvesting/recharge point - Nandidham Gaushala \(recorded as non-functional\) \(171 m\)](#)

[H3: groundwater recharge screening area \(201 m\)](#)

[H3: nearest STP/treatment point - SUMP WELL point \(165 m\)](#)

[H3: nearest manhole/inlet \(2.20 m\)](#)

Scan QR code to open this hotspot on phone maps.



Hotspot Action Card

Go to	28.49692, 77.02392
Water concern	maximum modelled depth 0.50 m; average within 50 m 0.50 m; water remains above 15 cm for 9.2 h.
Nearest stormwater drain	map label 715 (storm) near A Block, Ashok Vihar, Phase-III is 132 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 1.10 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 map label 715 (storm) near A Block, Ashok Vihar, Phase-III (132 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 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	m ³	2,645 m ³	July 2025 rain
Time water remains above 15 cm	hours	9.2	July 2025 rain
Time to exceed 15 cm after rain starts	hours	6.3	July 2025 rain
Maximum depth at this point	m	0.50 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

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: map label 715 (storm) near A Block, Ashok Vihar, Phase-III is about 132 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 1.10 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

map label 715 (storm) near A Block, Ashok Vihar, Phase-III is about 132 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 map label 715 (storm) near A Block, Ashok Vihar, Phase-III. 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	No mapped pump is shown near H3. If water remains after inlet clearing, use a temporary pump only toward map label 715 (storm) near A Block, Ashok Vihar, Phase-III (132 m) or a verified open/green area; do not use the nearby sewage line (1.10 m from H3) as discharge.	367 L/s for 2-hour clearing; 184 L/s for 4-hour clearing; confirm pump head and hose route at H3.
2	Alternate discharge check for H3	Do not discharge to the nearby sewage line (1.10 m from H3); check safe storm drain/open area after checking route to map label 715 (storm) near A Block, Ashok Vihar, Phase-III (132 m).	Use only if site access and discharge permission are clear for H3.
3	Gravity route to map label 715 (storm) near A Block, Ashok Vihar, Phase-III (132 m)	Use gravity only if water from H3 can visibly enter map label 715 (storm) near A Block, Ashok Vihar, Phase-III (132 m) after inlet and drain-level check.	No pump needed only if flow into map label 715 (storm) near A Block, Ashok Vihar, Phase-III (132 m) is confirmed at site.

e. New Drain or Inlet Decision

For H3, 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. H3: map label 715 (storm) near A Block, Ashok Vihar, Phase-III is 132 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 743 m; possible temporary storage 2,292 m³; class site visit. Use only after checking groundwater, water quality and ownership.

g. Temporary Diversion to Park or Pond

Possible nearby storage: 2,292 m³; Check slope, access, permission and overflow route.

6. Site Visit Checklist for H3

Site check	Yes	No	Notes
Waterlogging seen at this pin	☐	☐	H3: 28.49692, 77.02392
Nearest drain/trunk visible	☐	☐	map label 715 (storm) near A Block, Ashok Vihar, Phase-III (132 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 water backing up at the manhole; verify trunk drain level before pumping.
Silt visible in drain	☐	☐	Check map label 715 (storm) near A Block, Ashok Vihar, Phase-III (132 m).
Sewage manhole overflow checked	☐	☐	MCG sewage line is about 1.10 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; estimated 2 h pump need is about 367 L/s.
Road/access safety checked	☐	☐	128 m from Carterpuri Road (secondary)
Photos taken and attached	☐	☐	Photo label should include H3.
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 H3

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 map label 715 (storm) near A Block, Ashok Vihar, Phase-III (132 m) if silt/choking is seen.
Survey a new roadside connection	☐	H3: map label 715 (storm) near A Block, Ashok Vihar, Phase-III is 132 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 after checking manhole/trunk level; estimated 2 h pump need is about 367 L/s.
Escalate or restrict access	☐	Escalate if manhole overflow continues, trunk water level is high, or pumping has no safe discharge route.