

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
33	6	2
Ward Name / Area Covered	Cancon Enclave; Laxman Vihar Phase 1 & 2; Sector 4	
Zone	Zone III	
Division	Zone III	
Assigned JE	Vineet Kumar 85710 91010 Manoj Kumar	
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	2 mapped MCG work-status segments overlap this ward; 2 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	

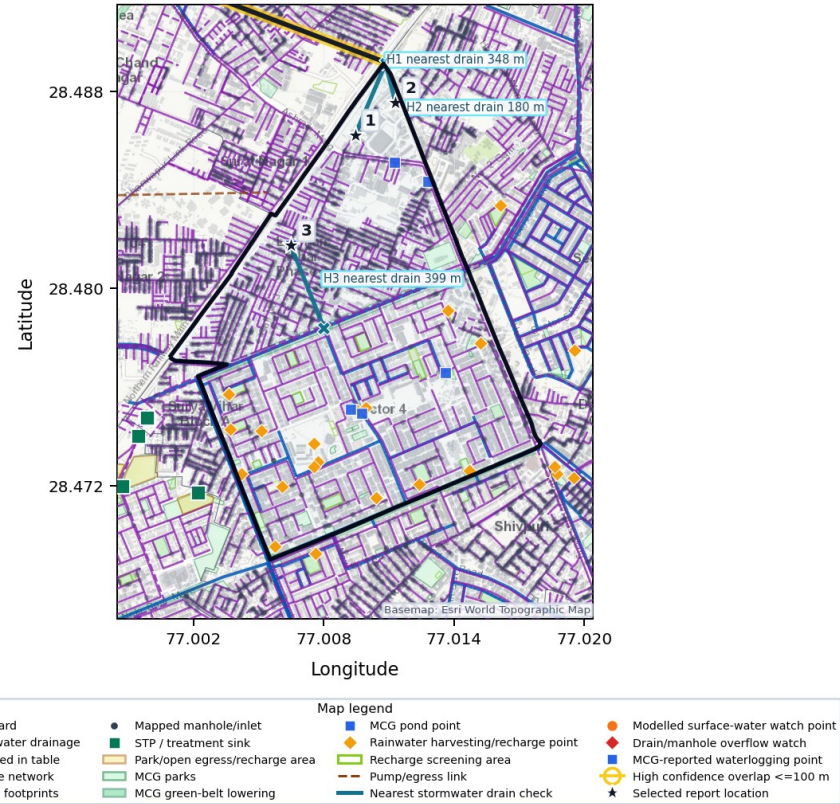
Official Ward Contact Roster

Role	Supplied MCG contact
Councillor	Smt Sarika Bharadwaj Indp 9953472882

Role	Supplied MCG contact
Executive Engineer (EE)	Sh. Sunder Sheoran, EE, 9466427222
Assistant Engineer (AE)	Sh. Pawan, AE, 8448534777
JE Development	Vineet Kumar 85710 91010 Manoj Kumar
JE Enforcement	Pradeep Sharma 79883 11378
JE Horticulture	Akhlaq 9821395227
JE Electrical	Rahul Sharma 8077405619

Ward Action Map

Ward 33: 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 1,907 stormwater line segments, 18,010 sewage line segments, 5,040 manhole/inlet points, 16 STP/treatment points, 198 MCG park polygons, 6 pond points, 30 green-belt lowering areas and 155 rainwater-harvesting/recharge points from the approved GIS packet.

Field Action Summary

#	Location	Expected water	Mapped drain option	First field action
H1	Service road along with flyover, Laxman Vihar	maximum modelled depth 0.43 m; average within 50 m 0.30 m; water remains above 15 cm for 11.5 h.	map label 608 (storm) near Service road along with flyover, Laxman Vihar is 348 m away. No field-approved connection route is recorded.	Check water backing up at the manhole; verify trunk drain level before pumping.
H2	Bhimgarh khedi ashoka apartment	maximum modelled depth 0.54 m; average within 50 m 0.20 m; water remains above 15 cm for 10.2 h.	map label 608 (storm) near Bhimgarh khedi ashoka apartment is 180 m away. No field-approved connection route is recorded.	Locate nearest visible inlet; plan temporary pump route if gravity flow is absent.
H3	Block-D, Gali no. 72, Laxman Vihar	maximum modelled depth 0.04 m; average within 50 m 0.04 m; water remains above 15 cm for 0 min.	map label 553 (storm) near Block-D, Gali no. 72, Laxman Vihar is 399 m away. No field-approved connection route is recorded.	Verify MCG point; clear nearest inlet and record site photos.

Complete Ward Location Register

No.	Source	Location	Lat	Lon	Expected water	How to use this point
R0 1	MCG	Block-D, Gali no. 72, Laxman Vihar	28.48175	77.00647	0.04 m; above 15 cm for 0 min	Confirm at this location
R0 2	MCG	Service road along with flyover, Laxman Vihar	28.48511	77.01126	0.24 m; above 15 cm for 3.2 h	Confirm at this location
R0 3	MCG	Main Railway road, Laxman Vihar	28.48432	77.01281	0.27 m; above 15 cm for 1.7 h	Confirm at this location
R0 4	MCG	Huda Market near ICICI Bank, Sector-04	28.47511	77.00922	0.05 m; above 15 cm for 0 min	Confirm at this location
R0 5	MCG	Hudda Market Rd, Sector 5, Gurugram	28.47496	77.00975	0.07 m; above 15 cm for 7 min	Confirm at this location
R0 6	MCG	513, Urban Estate Sec-4, Gurugram, Haryana, Near Ram Mandir to Mother Dairy Road	28.47661	77.01360	0.12 m; above 15 cm for 8 min	Confirm at this location

No.	Source	Location	Lat	Lon	Expected water	How to use this point
M0 1	Overflow watch	Service road along with flyover, Laxman Vihar	28.48623	77.00944	0.43 m; above 15 cm for 11.5 h	Confirm at this location
M0 2	Model depth	Bhimgarh khedi ashoka apartment	28.48754	77.01130	0.54 m; above 15 cm for 10.2 h	Confirm at this location

Hotspot-wise Details

HOTSPOT 1

1. Hotspot Identification

Hotspot Name	Service road along with flyover, Laxman Vihar
Latitude / Longitude	28.48623, 77.00944
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 608 \(348 m\)](#)

[H1: nearest mapped stormwater line - map label 608 \(348 m\)](#)

[H1: mapped action drain \(348 m\)](#)

[H1: mapped main stormwater drain \(348 m\)](#)

[H1: nearest mapped sewage line \(0.00 m\)](#)

[H1: open/green receptor or park \(1,108 m\)](#)

[H1: MCG park - Boosting Park; ward 34 \(407 m\)](#)

[H1: MCG pond - Dhanwapur Pond-III Surat Nagar \(1,424 m\)](#)

[H1: MCG green-belt lowering area - Proposed \(733 m\)](#)

[H1: rainwater-harvesting/recharge point - Sector-5, Part-III,HUDA Park,Gurugram \(recorded as functional\) \(727 m\)](#)

[H1: groundwater recharge screening area \(209 m\)](#)

[H1: nearest STP/treatment point - MICRO STP SURAT NAGAR POND \(1,432 m\)](#)

[H1: nearest manhole/inlet \(0.10 m\)](#)

Scan QR code to open this hotspot on phone maps.



Hotspot Action Card

Go to	28.48623, 77.00944
Water concern	maximum modelled depth 0.43 m; average within 50 m 0.30 m; water remains above 15 cm for 11.5 h.
Nearest stormwater drain	map label 608 (storm) near Service road along with flyover, Laxman Vihar is 348 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 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 608 (storm) near Service road along with flyover, Laxman Vihar (348 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	1,518 m³	July 2025 rain
Time water remains above 15 cm	hours	11.5	July 2025 rain
Time to exceed 15 cm after rain starts	hours	3.0	July 2025 rain
Maximum depth at this point	m	0.43 m	July 2025 rain

Field measure	Unit	Model estimate	Selected rainfall
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

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 608 (storm) near Service road along with flyover, Laxman Vihar is about 348 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 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

map label 608 (storm) near Service road along with flyover, Laxman Vihar is about 348 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 608 (storm) near Service road along with flyover, Laxman Vihar. 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 608 (storm) near Service road along with flyover, Laxman Vihar (348 m) or a verified open/green area; do not use the nearby sewage line (0.00 m from H1) as discharge.	211 L/s for 2-hour clearing; 105 L/s for 4-hour clearing; confirm pump head and hose route at H1.
2	Alternate discharge check for H1	Do not discharge to the nearby sewage line (0.00 m from H1); check safe storm drain/open area after checking route to map label 608 (storm) near Service road along with flyover, Laxman Vihar (348 m).	Use only if site access and discharge permission are clear for H1.
3	Gravity route to map label 608 (storm) near Service road along with flyover, Laxman Vihar (348 m)	Use gravity only if water from H1 can visibly enter map label 608 (storm) near Service road along with flyover, Laxman Vihar (348 m) after inlet and drain-level check.	No pump needed only if flow into map label 608 (storm) near Service road along with flyover, Laxman Vihar (348 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: map label 608 (storm) near Service road along with flyover, Laxman Vihar is 348 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 1,108 m; possible temporary storage 2,748 m³; class site visit. Use only after checking groundwater, water quality and ownership.

g. Temporary Diversion to Park or Pond

Possible nearby storage: 2,748 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: 28.48623, 77.00944
Nearest drain/trunk visible	☐	☐	map label 608 (storm) near Service road along with flyover, Laxman Vihar (348 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 608 (storm) near Service road along with flyover, Laxman Vihar (348 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 211 L/s.
Road/access safety checked	☐	☐	236 m from Old Railway 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 608 (storm) near Service road along with flyover, Laxman Vihar (348 m) if silt/choking is seen.
Survey a new roadside connection	☐	H1: map label 608 (storm) near Service road along with flyover, Laxman Vihar is 348 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 211 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	Bhimgarh khedi ashoka apartment
Latitude / Longitude	28.48754, 77.01130
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 608 \(180 m\)](#)

[H2: nearest mapped stormwater line - map label 608 \(180 m\)](#)

[H2: mapped action drain \(180 m\)](#)

[H2: mapped main stormwater drain \(180 m\)](#)

[H2: nearest mapped sewage line - Newly Added by JEs \(25.0 m\)](#)

[H2: open/green receptor or park \(1,008 m\)](#)

[H2: MCG park - Boosting Park; ward 34 \(536 m\)](#)

[H2: MCG pond - Daultabad Pond \(Daultabad to Dhanwapur road\) \(1,566 m\)](#)

[H2: MCG green-belt lowering area - Existing 2 \(730 m\)](#)

[H2: rainwater-harvesting/recharge point - Sector-5, Part-III,HUDA Park,Gurugram \(recorded as functional\) \(661 m\)](#)

[H2: groundwater recharge screening area \(276 m\)](#)

[H2: nearest STP/treatment point - SARAI ALAWARDI; capacity 1.00 MLD \(1,408 m\)](#)

[H2: nearest manhole/inlet \(89.3 m\)](#)

Scan QR code to open this hotspot on phone maps.



Hotspot Action Card

Go to	28.48754, 77.01130
Water concern	maximum modelled depth 0.54 m; average within 50 m 0.20 m; water remains above 15 cm for 10.2 h.
Nearest stormwater drain	map label 608 (storm) near Bhimgarh khedi ashoka apartment is 180 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 25.0 m away. Check the nearest manhole for rising water. Do not discharge stormwater into this line.
First action at site	Locate nearest visible inlet; plan temporary pump route if gravity flow is absent.
Before monsoon	Inspect and desilt map label 608 (storm) near Bhimgarh khedi ashoka apartment (180 m) if silt/choking is seen.
Escalate if	Escalate if no working inlet is found or the temporary pump route cannot reach a safe drain/open area.

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	m ³	1,120 m ³	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	0.54 m	July 2025 rain
Average depth within 50 m	m	0.20 m	July 2025 rain
Maximum modelled flow speed	m/s	0.00 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 608 (storm) near Bhimgarh khedi ashoka apartment is about 180 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 25.0 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 608 (storm) near Bhimgarh khedi ashoka apartment is about 180 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 608 (storm) near Bhimgarh khedi ashoka apartment. 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 608 (storm) near Bhimgarh khedi ashoka apartment (180 m) or a verified open/green area; do not use the nearby sewage line (25.0 m from H2) as discharge.	156 L/s for 2-hour clearing; 77.8 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 (25.0 m from H2); check safe storm drain/open area after checking route to map label 608 (storm) near Bhimgarh khedi ashoka apartment (180 m).	Use only if site access and discharge permission are clear for H2.
3	Gravity route to map label 608 (storm) near Bhimgarh khedi ashoka apartment (180 m)	Use gravity only if water from H2 can visibly enter map label 608 (storm) near Bhimgarh khedi ashoka apartment (180 m) after inlet and drain-level check.	No pump needed only if flow into map label 608 (storm) near Bhimgarh khedi ashoka apartment (180 m) is confirmed at site.

e. New Drain or Inlet Decision

For H2, 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. H2: map label 608 (storm) near Bhimgarh khedi ashoka apartment is 180 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 1,008 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 H2

Site check	Yes	No	Notes
Waterlogging seen at this pin	☐	☐	H2: 28.48754, 77.01130
Nearest drain/trunk visible	☐	☐	map label 608 (storm) near Bhingarh khedi ashoka apartment (180 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	☐	☐	Locate nearest visible inlet; plan temporary pump route if gravity flow is absent.
Silt visible in drain	☐	☐	Check map label 608 (storm) near Bhingarh khedi ashoka apartment (180 m).
Sewage manhole overflow checked	☐	☐	MCG sewage line is about 25.0 m away. Check the nearest manhole for rising water. Do not discharge stormwater into this line.
Safe pump discharge route available	☐	☐	Keep pump ready because mapped drain/trunk is 180 m away; estimated 2 h pump need is about 156 L/s.
Road/access safety checked	☐	☐	13 m from Old Railway Road (secondary)
Photos taken and attached	☐	☐	Photo label should include H2.
Needs escalation to senior engineer	☐	☐	Escalate if no working inlet is found or the temporary pump route cannot reach a safe drain/open area.

7. Field Decision Box for H2

Decision	Select	Field note
Clean inlet/blockage immediately	☐	Locate nearest visible inlet; plan temporary pump route if gravity flow is absent.
Inspect/desilt stormwater drain	☐	Inspect and desilt map label 608 (storm) near Bhingarh khedi ashoka apartment (180 m) if silt/choking is seen.
Survey a new roadside connection	☐	H2: map label 608 (storm) near Bhingarh khedi ashoka apartment is 180 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 because mapped drain/trunk is 180 m away; estimated 2 h pump need is about 156 L/s.
Escalate or restrict access	☐	Escalate if no working inlet is found or the temporary pump route cannot reach a safe drain/open area.

HOTSPOT 3

1. Hotspot Identification

Hotspot Name	Block-D, Gali no. 72, Laxman Vihar
Latitude / Longitude	28.48175, 77.00647
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 553 \(399 m\)](#)

[H3: nearest mapped stormwater line - map label 553 \(399 m\)](#)

[H3: nearest mapped sewage line \(2.40 m\)](#)

[H3: open/green receptor or park \(806 m\)](#)

[H3: MCG park - Ashoka Shakti Park; ward 33 \(473 m\)](#)

[H3: MCG pond - Dhanwapur Pond-III Surat Nagar \(997 m\)](#)

[H3: MCG green-belt lowering area - Proposed \(382 m\)](#)

[H3: rainwater-harvesting/recharge point - Kadam park, h.no-1677 \(recorded as functional\) \(724 m\)](#)

[H3: groundwater recharge screening area \(468 m\)](#)

[H3: nearest STP/treatment point - SEWER DISPOSAL \(1,012 m\)](#)

[H3: nearest manhole/inlet \(5.20 m\)](#)

Scan QR code to open this hotspot on phone maps.



Hotspot Action Card

Go to	28.48175, 77.00647
Water concern	maximum modelled depth 0.04 m; average within 50 m 0.04 m; water remains above 15 cm for 0 min.
Nearest stormwater drain	map label 553 (storm) near Block-D, Gali no. 72, Laxman Vihar is 399 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 2.40 m away. Check the nearest manhole for rising water. Do not discharge stormwater into this line.
First action at site	Verify MCG point; clear nearest inlet and record site photos.
Before monsoon	Inspect and desilt map label 553 (storm) near Block-D, Gali no. 72, Laxman Vihar (399 m) if silt/choking is seen.
Escalate if	Escalate if the MCG-reported point has no visible inlet, repeated complaints, or unsafe pump 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	Not available at point scale; use depth and timing for field action	July 2025 rain
Time water remains above 15 cm	minutes	0	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	0.04 m	July 2025 rain
Average depth within 50 m	m	0.04 m	July 2025 rain
Maximum modelled flow speed	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 553 (storm) near Block-D, Gali no. 72, Laxman Vihar is about 399 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 2.40 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 553 (storm) near Block-D, Gali no. 72, Laxman Vihar is about 399 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 553 (storm) near Block-D, Gali no. 72, Laxman Vihar. 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 553 (storm) near Block-D, Gali no. 72, Laxman Vihar (399 m) or a verified open/green area; do not use the nearby sewage line (2.40 m from H3) as discharge.	Confirm at site
2	Alternate discharge check for H3	Do not discharge to the nearby sewage line (2.40 m from H3); check safe storm drain/open area after checking route to map label 553 (storm) near Block-D, Gali no. 72, Laxman Vihar (399 m).	Use only if site access and discharge permission are clear for H3.
3	Gravity route to map label 553 (storm) near Block-D, Gali no. 72, Laxman Vihar (399 m)	Use gravity only if water from H3 can visibly enter map label 553 (storm) near Block-D, Gali no. 72, Laxman Vihar (399 m) after inlet and drain-level check.	No pump needed only if flow into map label 553 (storm) near Block-D, Gali no. 72, Laxman Vihar (399 m) is confirmed at site.

e. New Drain or Inlet Decision

For H3, check reported waterlogging point, nearby inlet condition and drain continuity. H3: map label 553 (storm) near Block-D, Gali no. 72, Laxman Vihar is 399 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

Not identified/applicable in current approved data

g. Temporary Diversion to Park or Pond

Not identified/applicable in current approved data

6. Site Visit Checklist for H3

Site check	Yes	No	Notes
Waterlogging seen at this pin	☐	☐	H3: 28.48175, 77.00647
Nearest drain/trunk visible	☐	☐	map label 553 (storm) near Block-D, Gali no. 72, Laxman Vihar (399 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	☐	☐	Verify MCG point; clear nearest inlet and record site photos.
Silt visible in drain	☐	☐	Check map label 553 (storm) near Block-D, Gali no. 72, Laxman Vihar (399 m).
Sewage manhole overflow checked	☐	☐	MCG sewage line is about 2.40 m away. Check the nearest manhole for rising water. Do not discharge stormwater into this line.
Safe pump discharge route available	☐	☐	Keep pump ready because mapped drain/trunk is 399 m away; pump capacity to be checked at site.
Road/access safety checked	☐	☐	Record traffic/access constraint if present.
Photos taken and attached	☐	☐	Photo label should include H3.
Needs escalation to senior engineer	☐	☐	Escalate if the MCG-reported point has no visible inlet, repeated complaints, or unsafe pump discharge route.

7. Field Decision Box for H3

Decision	Select	Field note
Clean inlet/blockage immediately	☐	Verify MCG point; clear nearest inlet and record site photos.
Inspect/desilt stormwater drain	☐	Inspect and desilt map label 553 (storm) near Block-D, Gali no. 72, Laxman Vihar (399 m) if silt/choking is seen.
Survey a new roadside connection	☐	H3: map label 553 (storm) near Block-D, Gali no. 72, Laxman Vihar is 399 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 because mapped drain/trunk is 399 m away; pump capacity to be checked at site.
Escalate or restrict access	☐	Escalate if the MCG-reported point has no visible inlet, repeated complaints, or unsafe pump discharge route.