

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

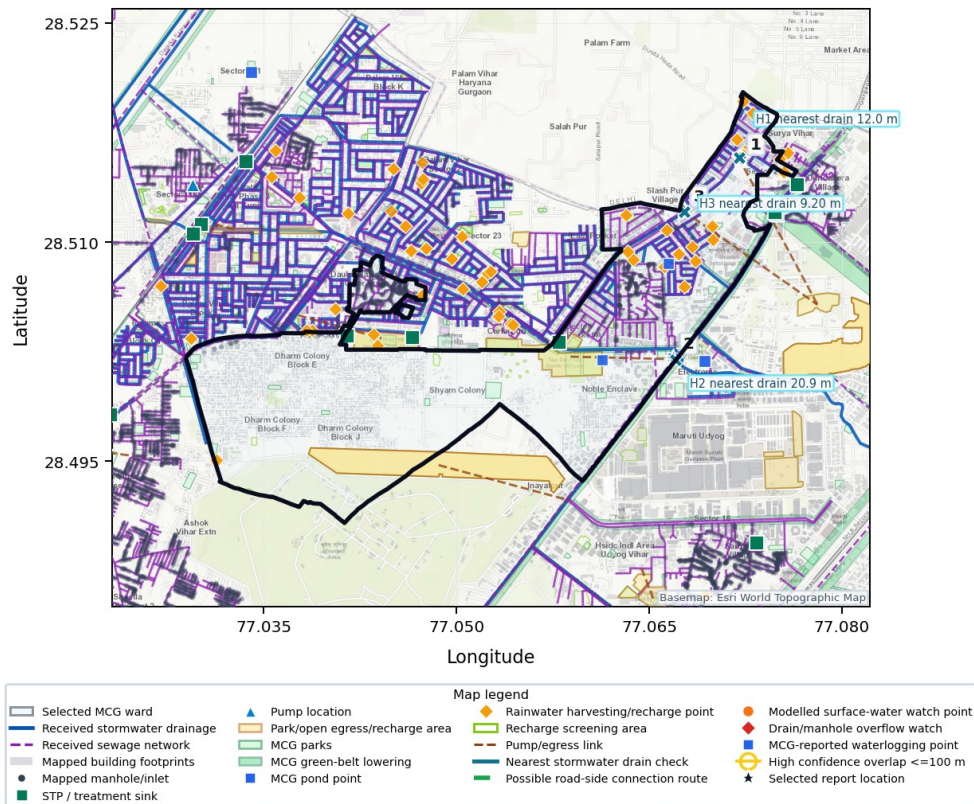
WARD NUMBER	MCG IDENTIFIED LOCATIONS	MODEL IDENTIFIED LOCATIONS
3	5	0
Ward Name / Area Covered	Carterpuri; Chippy Colony Sector 21; Moulahera Village; Noble enclave; Palam Vihar; Palam Vihar Extn; Sector 21; Om Vihar; Gurgaon one apartment; Sector 22; Sector 22 packet B; Sector 22 Pocket A	
Zone	Zone V	
Division	Zone V	
Assigned JE	Sonu JE 9991902393	
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	8 mapped MCG work-status segments overlap this ward; 8 marked completed; 0 marked in progress. Confirm current completion with MCG field records.	
Priority action	Visit MCG reported waterlogging points and check nearby inlet/drain condition	

Official Ward Contact Roster

Role	Supplied MCG contact
Councillor	Shri Rakesh Yadav Indp 9899787875
Executive Engineer (EE)	Sh. Parveen Raghav, EE, 9999716115
Assistant Engineer (AE)	Sh. Naim Hussain, AE, 9821395235
JE Development	Sonu JE 9991902393
JE Enforcement	Ankit Kapoor 8802588667
JE Horticulture	Gulshan Yadav 9821395258
JE Electrical	Devender 9999397898

Ward Action Map

Ward 3: 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 5,422 stormwater line segments, 11,984 sewage line segments, 2,192 manhole/inlet points, 15 STP/treatment points, 357 MCG park polygons, 5 pond points, 116 green-belt lowering areas and 192 rainwater-harvesting/recharge points from the approved GIS packet.

Field Action Summary

#	Location	Expected water	Mapped drain option	First field action
H1	Sunar wali gali Dundahera	maximum modelled depth 0.11 m; average within 50 m 0.11 m; water remains above 15 cm for 23 min.	map label 0 (storm) near Sunar wali gali Dundahera is 12.0 m away. The mapped roadside option is 53.9 m long and is not yet field-approved.	Verify MCG point; clear nearest inlet and record site photos.
H2	In front of H.no-1128 sector 21	maximum modelled depth 0.16 m; average within 50 m 0.16 m; water remains above 15 cm for 38 min.	map label 706 (storm) near In front of H.no-1128 sector 21 is 20.9 m away. The mapped roadside option is 32.5 m long and is not yet field-approved.	Verify MCG point; clear nearest inlet and record site photos.
H3	Near radha krishna mandir h.no-335 sector 21	maximum modelled depth 0.28 m; average within 50 m 0.28 m; water remains above 15 cm for 18 min.	map label 0 (storm) near Near radha krishna mandir h.no-335 sector 21 is 9.20 m away. The mapped roadside option is 31.1 m long and is not yet field-approved.	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	Sunar wali gali Dundahera	28.51571	77.07210	0.11 m; above 15 cm for 23 min	Confirm at this location
R0 2	MCG	In front of H.no-1128 sector 21	28.50208	77.06686	0.16 m; above 15 cm for 38 min	Confirm at this location
R0 3	MCG	Near radha krishna mandir h.no-335 sector 21	28.51215	77.06766	0.28 m; above 15 cm for 18 min	Confirm at this location
R0 4	MCG	Near Delhi gate pocket E sector 21	28.50193	77.06133	0.10 m; above 15 cm for 1 min	Confirm at this location
R0 5	MCG	In front of community centre sector 22 B	28.50853	77.06647	0.05 m; above 15 cm for 0 min	Confirm at this location

Hotspot-wise Details

HOTSPOT 1

1. Hotspot Identification

Hotspot Name	Sunar wali gali Dundahera
Latitude / Longitude	28.51571, 77.07210
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 0 \(12.0 m\)](#)

[H1: nearest mapped stormwater line - map label 0 \(12.0 m\)](#)

[H1: nearest mapped sewage line \(23.4 m\)](#)

[H1: possible roadside connection route](#)

[H1: mapped pump - Sunaro wali Gali Dundahera; capacity 8.33 L/s \(510 m\)](#)

[H1: open/green receptor or park \(1,159 m\)](#)

[H1: MCG park - SECTOR 21; ward 3 \(51.0 m\)](#)

[H1: MCG pond - Molahera Village Pond \(1,557 m\)](#)

[H1: MCG green-belt lowering area - Proposed \(389 m\)](#)

[H1: rainwater-harvesting/recharge point - Near H.No-1138, Sector 21 \(recorded as non-functional\) \(31.8 m\)](#)

[H1: groundwater recharge screening area - PARK; field-check \(912 m\)](#)

[H1: nearest STP/treatment point - BANK WALI GALI DUNDAHERA \(476 m\)](#)

[H1: nearest manhole/inlet \(328 m\)](#)

Scan QR code to open this hotspot on phone maps.



Hotspot Action Card

Go to	28.51571, 77.07210
Water concern	maximum modelled depth 0.11 m; average within 50 m 0.11 m; water remains above 15 cm for 23 min.

Nearest stormwater drain	map label 0 (storm) near Sunar wali gali Dundahera is 12.0 m away. The mapped roadside option is 53.9 m long and is not yet field-approved.
Roadside connection checks	Mapped roadside option: approximately 53.9 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 29.4 m and 24.5 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 23.4 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 0 (storm) near Sunar wali gali Dundahera (12.0 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 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	Not available at point scale; use depth and timing for field action	July 2025 rain
Time water remains above 15 cm	minutes	23	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	0.11 m	July 2025 rain
Average depth within 50 m	m	0.11 m	July 2025 rain
Maximum modelled flow speed	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 0 (storm) near Sunar wali gali Dundahera is about 12.0 m away and the

mapped roadside option is about 53.9 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 23.4 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 53.9 m of roadside connection to map label 0 (storm) near Sunar wali gali Dundahera, which is 12.0 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 0 (storm) near Sunar wali gali Dundahera. 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 0 (storm) near Sunar wali gali Dundahera (12.0 m) or a verified open/green area; do not use the nearby sewage line (23.4 m from H1) as discharge.	Confirm at site
2	Alternate discharge check for H1	Do not discharge to the nearby sewage line (23.4 m from H1); check safe storm drain/open area after checking route to map label 0 (storm) near Sunar wali gali Dundahera (12.0 m).	Use only if site access and discharge permission are clear for H1.
3	Gravity route to map label 0 (storm) near Sunar wali gali Dundahera (12.0 m)	Use gravity only if water from H1 can visibly enter map label 0 (storm) near Sunar wali gali Dundahera (12.0 m) after inlet and drain-level check.	No pump needed only if flow into map label 0 (storm) near Sunar wali gali Dundahera (12.0 m) is confirmed at site.

e. New Drain or Inlet Decision

For H1, check reported waterlogging point, nearby inlet condition and drain continuity. H1: survey the mapped 53.9 m roadside option to map label 0 (storm) near Sunar wali gali Dundahera, which is 12.0 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

Not identified/applicable in current approved data

6. Site Visit Checklist for H1

Site check	Yes	No	Notes
Waterlogging seen at this pin	☐	☐	H1: 28.51571, 77.07210
Nearest drain/trunk visible	☐	☐	map label 0 (storm) near Sunar wali gali Dundahera (12.0 m)
Roadside connection route surveyed	☐	☐	Mapped roadside option: approximately 53.9 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 29.4 m and 24.5 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	☐	☐	Verify MCG point; clear nearest inlet and record site photos.
Silt visible in drain	☐	☐	Check map label 0 (storm) near Sunar wali gali Dundahera (12.0 m).
Sewage manhole overflow checked	☐	☐	MCG sewage line is about 23.4 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 map label 0 (storm) near Sunar wali gali Dundahera (12.0 m) does not start after inlet clearing.
Road/access safety checked	☐	☐	Record traffic/access constraint if present.
Photos taken and attached	☐	☐	Photo label should include H1.
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 H1

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 0 (storm) near Sunar wali gali Dundahera (12.0 m) if silt/choking is seen.
Survey a new roadside connection	☐	H1: survey the mapped 53.9 m roadside option to map label 0 (storm) near Sunar wali gali Dundahera, which is 12.0 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 if flow to map label 0 (storm) near Sunar wali gali Dundahera (12.0 m) does not start after inlet clearing.
Escalate or restrict access	☐	Escalate if the MCG-reported point has no visible inlet, repeated complaints, or unsafe pump discharge route.

HOTSPOT 2

1. Hotspot Identification

Hotspot Name	In front of H.no-1128 sector 21
Latitude / Longitude	28.50208, 77.06686
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 706 \(20.9 m\)](#)

[H2: nearest mapped stormwater line - map label 706 \(20.9 m\)](#)

[H2: nearest mapped sewage line - GMDA Network \(10.0 m\)](#)

[H2: possible roadside connection route](#)

[H2: mapped pump - Sunaro wali Gali Dundahera; capacity 8.33 L/s \(1,346 m\)](#)

[H2: open/green receptor or park - Tau Devi Lal Park; storage 32,781 m³ \(540 m\)](#)

[H2: MCG park - SECTOR 22 Pocket A; ward 3 \(9.20 m\)](#)

[H2: MCG pond - Molahera Village Pond \(235 m\)](#)

[H2: MCG green-belt lowering area - Proposed \(36.2 m\)](#)

[H2: rainwater-harvesting/recharge point - Near polt no-893/22B \(recorded as non-functional\) \(549 m\)](#)

[H2: groundwater recharge screening area \(295 m\)](#)

[H2: nearest STP/treatment point - MICRO STP SECTOR-22A \(874 m\)](#)

[H2: nearest manhole/inlet \(115 m\)](#)

Scan QR code to open this hotspot on phone maps.



Hotspot Action Card

Go to	28.50208, 77.06686
Water concern	maximum modelled depth 0.16 m; average within 50 m 0.16 m; water remains above 15 cm for 38 min.
Nearest stormwater drain	map label 706 (storm) near In front of H.no-1128 sector 21 is 20.9 m away. The mapped roadside option is 32.5 m long and is not yet field-approved.

Roadside connection checks	Mapped roadside option: approximately 32.5 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 18.9 m and 13.6 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 10.0 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 706 (storm) near In front of H.no-1128 sector 21 (20.9 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 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	Not available at point scale; use depth and timing for field action	July 2025 rain
Time water remains above 15 cm	minutes	38	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	0.16 m	July 2025 rain
Average depth within 50 m	m	0.16 m	July 2025 rain
Maximum modelled flow speed	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 706 (storm) near In front of H.no-1128 sector 21 is about 20.9 m away and the mapped roadside option is about 32.5 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 10.0 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

Mapped option: approximately 32.5 m of roadside connection to map label 706 (storm) near In front of H.no-1128 sector 21, which is 20.9 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 706 (storm) near In front of H.no-1128 sector 21. 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 706 (storm) near In front of H.no-1128 sector 21 (20.9 m) or a verified open/green area; do not use the nearby sewage line (10.0 m from H2) as discharge.	Confirm at site
2	Alternate discharge check for H2	Do not discharge to the nearby sewage line (10.0 m from H2); check safe storm drain/open area after checking route to map label 706 (storm) near In front of H.no-1128 sector 21 (20.9 m).	Use only if site access and discharge permission are clear for H2.
3	Gravity route to map label 706 (storm) near In front of H.no-1128 sector 21 (20.9 m)	Use gravity only if water from H2 can visibly enter map label 706 (storm) near In front of H.no-1128 sector 21 (20.9 m) after inlet and drain-level check.	No pump needed only if flow into map label 706 (storm) near In front of H.no-1128 sector 21 (20.9 m) is confirmed at site.

e. New Drain or Inlet Decision

For H2, check reported waterlogging point, nearby inlet condition and drain continuity. H2: survey the mapped 32.5 m roadside option to map label 706 (storm) near In front of H.no-1128 sector 21, which is 20.9 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

Not identified/applicable in current approved data

6. Site Visit Checklist for H2

Site check	Yes	No	Notes
Waterlogging seen at this pin	☐	☐	H2: 28.50208, 77.06686
Nearest drain/trunk visible	☐	☐	map label 706 (storm) near In front of H.no-1128 sector 21 (20.9 m)
Roadside connection route surveyed	☐	☐	Mapped roadside option: approximately 32.5 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 18.9 m and 13.6 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	☐	☐	Verify MCG point; clear nearest inlet and record site photos.
Silt visible in drain	☐	☐	Check map label 706 (storm) near In front of H.no-1128 sector 21 (20.9 m).
Sewage manhole overflow checked	☐	☐	MCG sewage line is about 10.0 m away. Check the nearest manhole for rising water. Do not discharge stormwater into this line.
Safe pump discharge route available	☐	☐	Keep pump ready only if flow to map label 706 (storm) near In front of H.no-1128 sector 21 (20.9 m) does not start after inlet clearing.
Road/access safety checked	☐	☐	Record traffic/access constraint if present.
Photos taken and attached	☐	☐	Photo label should include H2.
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 H2

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 706 (storm) near In front of H.no-1128 sector 21 (20.9 m) if silt/choking is seen.
Survey a new roadside connection	☐	H2: survey the mapped 32.5 m roadside option to map label 706 (storm) near In front of H.no-1128 sector 21, which is 20.9 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 if flow to map label 706 (storm) near In front of H.no-1128 sector 21 (20.9 m) does not start after inlet clearing.
Escalate or restrict access	☐	Escalate if the MCG-reported point has no visible inlet, repeated complaints, or unsafe pump discharge route.

HOTSPOT 3

1. Hotspot Identification

Hotspot Name	Near radha krishna mandir h.no-335 sector 21
Latitude / Longitude	28.51215, 77.06766
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 0 \(9.20 m\)](#)

[H3: nearest mapped stormwater line - map label 0 \(9.20 m\)](#)

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

[H3: possible roadside connection route](#)

[H3: mapped pump - Sunaro wali Gali Dundahera; capacity 8.33 L/s \(718 m\)](#)

[H3: open/green receptor or park \(1,108 m\)](#)

[H3: MCG park - SECTOR 21; ward 3 \(18.4 m\)](#)

[H3: MCG pond - Molahera Village Pond \(1,148 m\)](#)

[H3: MCG green-belt lowering area - Master plan \(7.60 m\)](#)

[H3: rainwater-harvesting/recharge point - Near H.No-932, Sector 21 \(recorded as non-functional\) \(185 m\)](#)

[H3: groundwater recharge screening area - PARK; field-check \(364 m\)](#)

[H3: nearest STP/treatment point - SUMP WELL \(700 m\)](#)

[H3: nearest manhole/inlet \(107 m\)](#)

Scan QR code to open this hotspot on phone maps.



Hotspot Action Card

Go to	28.51215, 77.06766
Water concern	maximum modelled depth 0.28 m; average within 50 m 0.28 m; water remains above 15 cm for 18 min.
Nearest stormwater drain	map label 0 (storm) near Near radha krishna mandir h.no-335 sector 21 is 9.20 m away. The mapped roadside option is 31.1 m long and is not yet field-approved.

Roadside connection checks	Mapped roadside option: approximately 31.1 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 14.8 m and 16.3 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 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 0 (storm) near Near radha krishna mandir h.no-335 sector 21 (9.20 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	18	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	0.28 m	July 2025 rain
Average depth within 50 m	m	0.28 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 0 (storm) near Near radha krishna mandir h.no-335 sector 21 is about 9.20 m away and the mapped roadside option is about 31.1 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 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

Mapped option: approximately 31.1 m of roadside connection to map label 0 (storm) near Near radha krishna mandir h.no-335 sector 21, which is 9.20 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 0 (storm) near Near radha krishna mandir h.no-335 sector 21. 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 0 (storm) near Near radha krishna mandir h.no-335 sector 21 (9.20 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 0 (storm) near Near radha krishna mandir h.no-335 sector 21 (9.20 m).	Use only if site access and discharge permission are clear for H3.
3	Gravity route to map label 0 (storm) near Near radha krishna mandir h.no-335 sector 21 (9.20 m)	Use gravity only if water from H3 can visibly enter map label 0 (storm) near Near radha krishna mandir h.no-335 sector 21 (9.20 m) after inlet and drain-level check.	No pump needed only if flow into map label 0 (storm) near Near radha krishna mandir h.no-335 sector 21 (9.20 m) is confirmed at site.

e. New Drain or Inlet Decision

For H3, check reported waterlogging point, nearby inlet condition and drain continuity. H3: survey the mapped 31.1 m roadside option to map label 0 (storm) near Near radha krishna mandir h.no-335 sector 21, which is 9.20 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

Not identified/applicable in current approved data

6. Site Visit Checklist for H3

Site check	Yes	No	Notes
Waterlogging seen at this pin	☐	☐	H3: 28.51215, 77.06766
Nearest drain/trunk visible	☐	☐	map label 0 (storm) near Near radha krishna mandir h.no-335 sector 21 (9.20 m)
Roadside connection route surveyed	☐	☐	Mapped roadside option: approximately 31.1 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 14.8 m and 16.3 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	☐	☐	Verify MCG point; clear nearest inlet and record site photos.
Silt visible in drain	☐	☐	Check map label 0 (storm) near Near radha krishna mandir h.no-335 sector 21 (9.20 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 only if flow to map label 0 (storm) near Near radha krishna mandir h.no-335 sector 21 (9.20 m) does not start after inlet clearing.
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 0 (storm) near Near radha krishna mandir h.no-335 sector 21 (9.20 m) if silt/choking is seen.
Survey a new roadside connection	[]	H3: survey the mapped 31.1 m roadside option to map label 0 (storm) near Near radha krishna mandir h.no-335 sector 21, which is 9.20 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 if flow to map label 0 (storm) near Near radha krishna mandir h.no-335 sector 21 (9.20 m) does not start after inlet clearing.
Escalate or restrict access	[]	Escalate if the MCG-reported point has no visible inlet, repeated complaints, or unsafe pump discharge route.