

Municipal Corporation of Gurugram (MCG)

Monsoon Preparedness & Flood Hotspot Management

WARD-WISE FLOOD HOTSPOT REPORT

For Use by Junior Engineers (JEs) at Ward Level

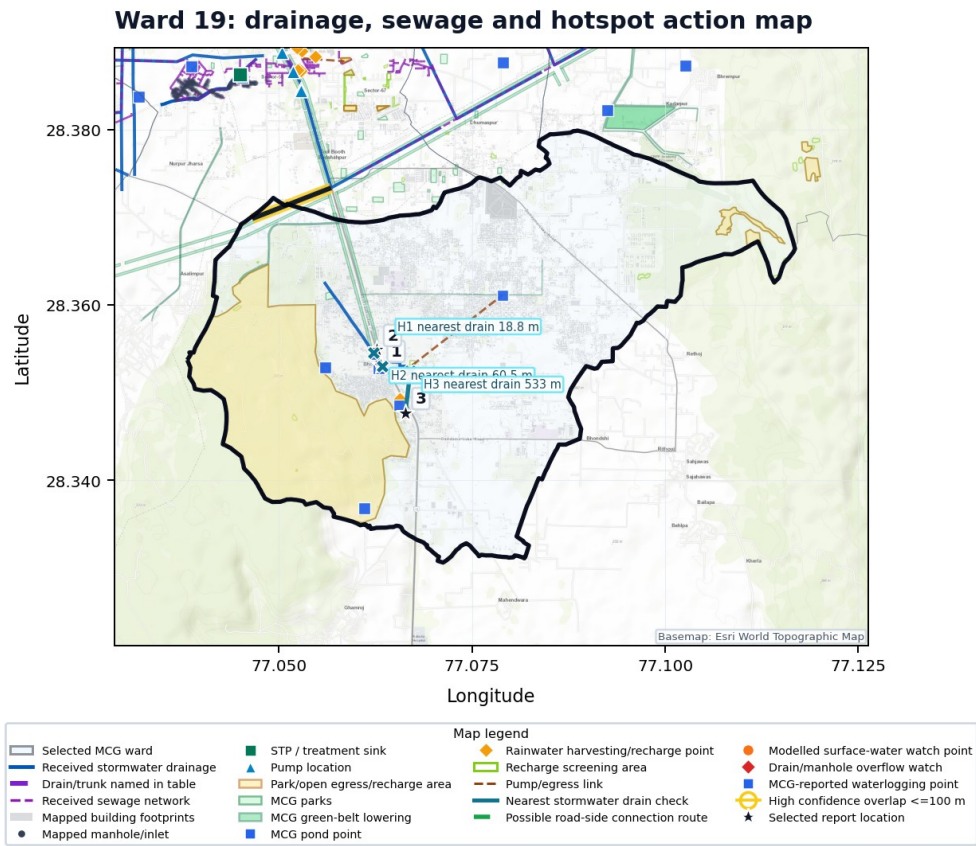
Ward Summary

WARD NUMBER	MCG IDENTIFIED LOCATIONS	MODEL IDENTIFIED LOCATIONS
19	3	3
Ward Name / Area Covered	Bhondsi; Defense Colony; Ekta Enclave; Maruti Kunj; Matur Enclave; Mohan Nagar; Naya Gaon; Nirmala Enclave; Rayan Colony; Shanti Kunj; Shri Ram Colony; Shyam Kunj; Vatika Kunj	
Zone	Zone VII	
Division	Zone VII	
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	1 mapped MCG work-status segments overlap this ward; 0 marked completed; 1 marked in progress. Confirm current completion with MCG field records.	
Priority action	Visit critical / very high priority clusters and check the nearest stormwater route	

Official Ward Contact Roster

Role	Supplied MCG contact
Councillor	Shri Raj singh Amit BJP 9811398733
Executive Engineer (EE)	Sh. Tushar Yadav, EE, 9818460252
Assistant Engineer (AE)	Sh. Kuldeep Kumar, AE, 9821395241
JE Development	Sonu JE 9991902393
JE Enforcement	Sh. Jasvinder (9518002897)
JE Horticulture	Himanshu Rao 9821395268
JE Electrical	Devender 9999397898

Ward 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 114 stormwater line segments, 785 sewage line segments, 139 manhole/inlet points, 4 STP/treatment points, 33 MCG park polygons, 9 pond points, 41 green-belt lowering areas and 18 rainwater-harvesting/recharge points from the approved GIS packet.

Field Action Summary

#	Location	Expected water	Mapped drain option	First field action
H1	Saneh Vihar	maximum modelled depth 1.00 m; average within 50 m 0.60 m; water remains above 15 cm for 11.1 h.	map label SWD_v1_19941 (storm) near Saneh Vihar is 18.8 m away. The mapped roadside option is 26.9 m long and is not yet field-approved.	Locate nearest visible inlet; plan temporary pump route if gravity flow is absent.
H2	Saneh Vihar	maximum modelled depth 0.90 m; average within 50 m 0.30 m; water remains above 15 cm for 11.5 h.	map label SWD_v1_19865 (storm) near Saneh Vihar is 60.5 m away. No field-approved connection route is recorded.	Locate nearest visible inlet; plan temporary pump route if gravity flow is absent.
H3	Village Bhondsi near Govt School	maximum modelled depth 1.13 m; average within 50 m 0.60 m; water remains above 15 cm for 10.3 h.	map label SWD_v1_19941 (storm) near Village Bhondsi near Govt School is 533 m away. No field-approved connection route is recorded.	Locate nearest visible inlet; plan temporary pump route if gravity flow is absent.

Complete Ward Location Register

No.	Source	Location	Lat	Lon	Expected water	How to use this point
R0 1	MCG	Maruti Kunj Main Gate	28.36112	77.07891	0.32 m; above 15 cm for 76 min	Confirm at this location
R0 2	MCG	Saneh Vihar	28.35433	77.06241	0.68 m; above 15 cm for 3.8 h	Supported by model within 67 m
R0 3	MCG	Village Bhondsi near Govt School	28.34854	77.06553	0.41 m; above 15 cm for 58 min	Confirm at this location
M0 1	Model depth	Saneh Vihar	28.35306	77.06315	1.00 m; above 15 cm for 11.1 h	Confirm at this location
M0 2	Model depth	Saneh Vihar	28.35488	77.06269	0.90 m; above 15 cm for 11.5 h	Supported by MCG report within 67 m
M0 3	Model depth	Village Bhondsi near Govt School	28.34768	77.06636	1.13 m; above 15 cm for 10.3 h	Confirm at this location

Hotspot-wise Details

HOTSPOT 1

1. Hotspot Identification

Hotspot Name	Saneh Vihar
Latitude / Longitude	28.35306, 77.06315
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 SWD_v1_19941 \(18.8 m\)](#)

[H1: nearest mapped stormwater line - map label SWD_v1_19865 \(11.8 m\)](#)

[H1: mapped main stormwater drain \(2,323 m\)](#)

[H1: nearest mapped sewage line - GMDA Network \(2,441 m\)](#)

[H1: possible roadside connection route](#)

[H1: open/green receptor or park \(424 m\)](#)

[H1: MCG park - BHONDSI; ward 19 \(1,035 m\)](#)

[H1: MCG pond - Bhondsi Village Pond Near Sita Ram Mandir \(42.1 m\)](#)

[H1: MCG green-belt lowering area - Proposed \(181 m\)](#)

[H1: rainwater-harvesting/recharge point - Government Senior Secondary Boys School \(486 m\)](#)

[H1: groundwater recharge screening area \(3.40 m\)](#)

Scan QR code to open this hotspot on phone maps.



Hotspot Action Card

Go to	28.35306, 77.06315
Water concern	maximum modelled depth 1.00 m; average within 50 m 0.60 m; water remains above 15 cm for 11.1 h.
Nearest stormwater drain	map label SWD_v1_19941 (storm) near Saneh Vihar is 18.8 m away. The mapped roadside option is 26.9 m long and is not yet field-approved.

Roadside connection checks	Mapped roadside option: approximately 26.9 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 21.6 m and 5.30 m from the mapped locations. Before approval, survey the level at both ends, confirm continuous fall toward the drain, mark every utility crossing and check that the receiving drain can accept flow. Do not construct if any check fails.
Nearby MCG sewage line	No MCG sewage line is shown within 150 m.
First action at site	Locate nearest visible inlet; plan temporary pump route if gravity flow is absent.
Before monsoon	Inspect and desilt map label SWD_v1_19941 (storm) near Saneh Vihar (18.8 m) if silt/choking is seen.
Escalate if	Escalate if water remains deep after inlet clearing or pump capacity is not available.

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	4,567 m ³	July 2025 rain
Time water remains above 15 cm	hours	11.1	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	1.00 m	July 2025 rain
Average depth within 50 m	m	0.60 m	July 2025 rain
Maximum modelled flow speed	m/s	0.01 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 SWD_v1_19941 (storm) near Saneh Vihar is about 18.8 m away and the mapped roadside option is about 26.9 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: no MCG sewage line is shown within 150 m; inspect a sewage manhole only if overflow is seen or reported.

b. Possible New Stormwater Connection

Mapped option: approximately 26.9 m of roadside connection to map label SWD_v1_19941 (storm) near Saneh Vihar, which is 18.8 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 SWD_v1_19941 (storm) near Saneh 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 SWD_v1_19941 (storm) near Saneh Vihar (18.8 m) or a verified open/green area.	634 L/s for 2-hour clearing; 317 L/s for 4-hour clearing; confirm pump head and hose route at H1.
2	Alternate discharge check for H1	Check a second safe discharge route from H1 to a storm drain/open area if map label SWD_v1_19941 (storm) near Saneh Vihar (18.8 m) cannot receive flow.	Use only if site access and discharge permission are clear for H1.
3	Gravity route to map label SWD_v1_19941 (storm) near Saneh Vihar (18.8 m)	Use gravity only if water from H1 can visibly enter map label SWD_v1_19941 (storm) near Saneh Vihar (18.8 m) after inlet and drain-level check.	No pump needed only if flow into map label SWD_v1_19941 (storm) near Saneh Vihar (18.8 m) is confirmed at site.

e. New Drain or Inlet Decision

For H1, no screened pump/open receptor or main-drain drainage relief route within 50 m; field team should check a safe pump route. Map screening used depth/persistence/drain return, 50 m local flood-volume estimate, screened park/open receptors, storm-drain proximity, sewer proximity caution, and site visit constraints. H1: survey the mapped 26.9 m roadside option to map label SWD_v1_19941 (storm) near Saneh Vihar, which is 18.8 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 424 m; possible temporary storage 923,533 m³; class site visit. Use only after checking groundwater, water quality and ownership.

g. Temporary Diversion to Park or Pond

Possible nearby storage: 923,533 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: 28.35306, 77.06315
Nearest drain/trunk visible	☐	☐	map label SWD_v1_19941 (storm) near Saneh Vihar (18.8 m)
Roadside connection route surveyed	☐	☐	Mapped roadside option: approximately 26.9 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 21.6 m and 5.30 m from the mapped locations. Before approval, survey the level at both ends, confirm continuous fall toward the drain, mark every utility crossing and check that the receiving drain can accept flow. Do not construct if any check fails.
Levels at both ends measured	☐	☐	Record source and receiving-drain levels; confirm continuous fall and a lower downstream water level.
Inlet/manhole blockage checked	☐	☐	Locate nearest visible inlet; plan temporary pump route if gravity flow is absent.
Silt visible in drain	☐	☐	Check map label SWD_v1_19941 (storm) near Saneh Vihar (18.8 m).
Sewage manhole overflow checked	☐	☐	No MCG sewage line is shown within 150 m.
Safe pump discharge route available	☐	☐	Keep pump ready for deep ponding near map label SWD_v1_19941 (storm) near Saneh Vihar (18.8 m); estimated 2 h pump need is about 634 L/s.
Road/access safety checked	☐	☐	17 m from secondary
Photos taken and attached	☐	☐	Photo label should include H1.
Needs escalation to senior engineer	☐	☐	Escalate if water remains deep after inlet clearing or pump capacity is not available.

7. Field Decision Box for H1

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 SWD_v1_19941 (storm) near Saneh Vihar (18.8 m) if silt/choking is seen.
Survey a new roadside connection	[]	H1: survey the mapped 26.9 m roadside option to map label SWD_v1_19941 (storm) near Saneh Vihar, which is 18.8 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 for deep ponding near map label SWD_v1_19941 (storm) near Saneh Vihar (18.8 m); estimated 2 h pump need is about 634 L/s.
Escalate or restrict access	[]	Escalate if water remains deep after inlet clearing or pump capacity is not available.

HOTSPOT 2

1. Hotspot Identification

Hotspot Name	Saneh Vihar
Latitude / Longitude	28.35488, 77.06269
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 SWD_v1_19865 \(60.5 m\)](#)

[H2: nearest mapped stormwater line - map label SWD_v1_19865 \(60.5 m\)](#)

[H2: mapped main stormwater drain \(2,119 m\)](#)

[H2: nearest mapped sewage line - GMDA Network \(2,236 m\)](#)

[H2: open/green receptor or park \(630 m\)](#)

[H2: MCG park - BHONDSI; ward 19 \(846 m\)](#)

[H2: MCG pond - Bhondsi Village Pond Near Sita Ram Mandir \(233 m\)](#)

[H2: MCG green-belt lowering area - Proposed \(4.40 m\)](#)

[H2: rainwater-harvesting/recharge point - Government Senior Secondary Boys School \(685 m\)](#)

[H2: groundwater recharge screening area \(186 m\)](#)

Scan QR code to open this hotspot on phone maps.



Hotspot Action Card

Go to	28.35488, 77.06269
Water concern	maximum modelled depth 0.90 m; average within 50 m 0.30 m; water remains above 15 cm for 11.5 h.
Nearest stormwater drain	map label SWD_v1_19865 (storm) near Saneh Vihar is 60.5 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	No MCG sewage line is shown within 150 m.

First action at site	Locate nearest visible inlet; plan temporary pump route if gravity flow is absent.
Before monsoon	Inspect and desilt map label SWD_v1_19865 (storm) near Saneh Vihar (60.5 m) if silt/choking is seen.
Escalate if	Escalate if road movement is affected or inlet clearing cannot restore flow.

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	2,202 m ³	July 2025 rain
Time water remains above 15 cm	hours	11.5	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	0.90 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 SWD_v1_19865 (storm) near Saneh Vihar is about 60.5 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: no MCG sewage line is shown within 150 m; inspect a sewage manhole only if overflow is seen or reported.

b. Possible New Stormwater Connection

map label SWD_v1_19865 (storm) near Saneh Vihar is about 60.5 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

SWD_v1_19865 (storm) near Saneh 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	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 SWD_v1_19865 (storm) near Saneh Vihar (60.5 m) or a verified open/green area.	306 L/s for 2-hour clearing; 153 L/s for 4-hour clearing; confirm pump head and hose route at H2.
2	Alternate discharge check for H2	Check a second safe discharge route from H2 to a storm drain/open area if map label SWD_v1_19865 (storm) near Saneh Vihar (60.5 m) cannot receive flow.	Use only if site access and discharge permission are clear for H2.
3	Gravity route to map label SWD_v1_19865 (storm) near Saneh Vihar (60.5 m)	Use gravity only if water from H2 can visibly enter map label SWD_v1_19865 (storm) near Saneh Vihar (60.5 m) after inlet and drain-level check.	No pump needed only if flow into map label SWD_v1_19865 (storm) near Saneh Vihar (60.5 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 SWD_v1_19865 (storm) near Saneh Vihar is 60.5 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 630 m; possible temporary storage 923,533 m³; class site visit. Use only after checking groundwater, water quality and ownership.

g. Temporary Diversion to Park or Pond

Possible nearby storage: 923,533 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: 28.35488, 77.06269
Nearest drain/trunk visible	☐	☐	map label SWD_v1_19865 (storm) near Saneh Vihar (60.5 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 SWD_v1_19865 (storm) near Saneh Vihar (60.5 m).
Sewage manhole overflow checked	☐	☐	No MCG sewage line is shown within 150 m.
Safe pump discharge route available	☐	☐	Keep pump ready only if flow to map label SWD_v1_19865 (storm) near Saneh Vihar (60.5 m) does not start after inlet clearing.
Road/access safety checked	☐	☐	4 m from secondary
Photos taken and attached	☐	☐	Photo label should include H2.
Needs escalation to senior engineer	☐	☐	Escalate if road movement is affected or inlet clearing cannot restore flow.

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 SWD_v1_19865 (storm) near Saneh Vihar (60.5 m) if silt/choking is seen.
Survey a new roadside connection	[]	H2: map label SWD_v1_19865 (storm) near Saneh Vihar is 60.5 m away, but no building-free roadside route is mapped. Trace a road alignment, measure levels at both ends, mark utilities and confirm receiving-drain capacity before proposing construction.
Use a temporary pump	[]	Keep pump ready only if flow to map label SWD_v1_19865 (storm) near Saneh Vihar (60.5 m) does not start after inlet clearing.
Escalate or restrict access	[]	Escalate if road movement is affected or inlet clearing cannot restore flow.

HOTSPOT 3

1. Hotspot Identification

Hotspot Name	Village Bhondsi near Govt School
Latitude / Longitude	28.34768, 77.06636
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 SWD_v1_19941 \(533 m\)](#)

[H3: nearest mapped stormwater line - map label SWD_v1_19941 \(533 m\)](#)

[H3: nearest mapped sewage line - GMDA Network \(3,082 m\)](#)

[H3: open/green receptor or park \(132 m\)](#)

[H3: MCG pond - Bhondsi Village Pond Near Sita Ram Mandir \(662 m\)](#)

[H3: MCG green-belt lowering area - Proposed \(841 m\)](#)

[H3: rainwater-harvesting/recharge point - Government Senior Secondary Boys School \(190 m\)](#)

[H3: groundwater recharge screening area \(132 m\)](#)

Scan QR code to open this hotspot on phone maps.



Hotspot Action Card

Go to	28.34768, 77.06636
Water concern	maximum modelled depth 1.13 m; average within 50 m 0.60 m; water remains above 15 cm for 10.3 h.
Nearest stormwater drain	map label SWD_v1_19941 (storm) near Village Bhondsi near Govt School is 533 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	No MCG sewage line is shown within 150 m.
First action at site	Locate nearest visible inlet; plan temporary pump route if gravity flow is absent.
Before monsoon	Inspect and desilt map label SWD_v1_19941 (storm) near Village Bhondsi near Govt School (533 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.
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2. Source

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

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

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

Field measure	Unit	Model estimate	Selected rainfall
Ponded water within 50 m	m³	2,071 m³	July 2025 rain
Time water remains above 15 cm	hours	10.3	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	1.13 m	July 2025 rain
Average depth within 50 m	m	0.60 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 SWD_v1_19941 (storm) near Village Bhondsi near Govt School is about 533 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: no MCG sewage line is shown within 150 m; inspect a sewage manhole only if overflow is seen or reported.

b. Possible New Stormwater Connection

map label SWD_v1_19941 (storm) near Village Bhondsi near Govt School is about 533 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 SWD_v1_19941 (storm) near Village Bhondsi near Govt School. 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 SWD_v1_19941 (storm) near Village Bhondsi near Govt School (533 m) or a verified open/green area.	288 L/s for 2-hour clearing; 144 L/s for 4-hour clearing; confirm pump head and hose route at H3.
2	Alternate discharge check for H3	Check a second safe discharge route from H3 to a storm drain/open area if map label SWD_v1_19941 (storm) near Village Bhondsi near Govt School (533 m) cannot receive flow.	Use only if site access and discharge permission are clear for H3.
3	Gravity route to map label SWD_v1_19941 (storm) near Village Bhondsi near Govt School (533 m)	Use gravity only if water from H3 can visibly enter map label SWD_v1_19941 (storm) near Village Bhondsi near Govt School (533 m) after inlet and drain-level check.	No pump needed only if flow into map label SWD_v1_19941 (storm) near Village Bhondsi near Govt School (533 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 SWD_v1_19941 (storm) near Village Bhondsi near Govt School is 533 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 132 m; possible temporary storage 923,533 m³; class site visit. Use only after checking groundwater, water quality and ownership.

g. Temporary Diversion to Park or Pond

Possible nearby storage: 923,533 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: 28.34768, 77.06636
Nearest drain/trunk visible	☐	☐	map label SWD_v1_19941 (storm) near Village Bhondsi near Govt School (533 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 SWD_v1_19941 (storm) near Village Bhondsi near Govt School (533 m).
Sewage manhole overflow checked	☐	☐	No MCG sewage line is shown within 150 m.
Safe pump discharge route available	☐	☐	Keep pump ready because mapped drain/trunk is 533 m away; estimated 2 h pump need is about 288 L/s.
Road/access safety checked	☐	☐	49 m from secondary
Photos taken and attached	☐	☐	Photo label should include H3.
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 H3

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 SWD_v1_19941 (storm) near Village Bhondsi near Govt School (533 m) if silt/choking is seen.
Survey a new roadside connection	☐	H3: map label SWD_v1_19941 (storm) near Village Bhondsi near Govt School is 533 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 533 m away; estimated 2 h pump need is about 288 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.