



THE
Water
Stewardship
REPORT- FY 23-24

Pernod Ricard India

**Stewarding
Watershed
Level
Collective
Action**

content

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 - I. Understanding Water Risks to Business
2. PRI & Water
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 - b. CEO Thought & Action
Leadership
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ER, HR, MR, LR
3. Way forward
 1. Water Stewardship An emerging Narrative
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water risks framework

- **Physical Risk:** Water Quality, Quantity and Pollution
- **Regulatory Risk:** Strong Laws enforcement, water related regulation,, pricing of water supply and waste discharge, licenses to operate, water rights, quality standards(Pressure from community)
- **Reputational Risk :** Brand's image at local level, public perceptions of the business
- **Community Conflict Risk:** Water Scarcity & pollution to fuel local conflicts. . Coca cola example
- **Financial Risk:** increased water supply prices, Investment in water technology and water related disclosure requirements on investors,

Shared Water Risks: shared water risk approach would require the business to go beyond addressing and eradicating its own water risk and taking a more comprehensive approach that involves other stakeholders

THE WATER CHALLENGE

- According to NITI Aayog's Composite Water Management Index 2018, 21 major cities (Delhi, Bengaluru, Chennai, Hyderabad and others) are racing to reach **zero groundwater levels by 2024**, affecting access for 100 million people.
- India ranks **120 among 122 countries** on the Water Quality Index released by WaterAid.
- There's a decline of **1cm in Average annual rainfall**.
- Climate change is intensifying the water cycle. This brings more intense rainfall and associated flooding, as well as more intense drought in many regions. (IPCC, 2021)
- India possesses only **4%** of water resources across the world. 70% of India's surface water is contaminated. With a per capita water availability of about 1,100 cubic meters (m³), we are far below the internationally recognized water stress threshold of 1,700 m³
- Every minute a new-born dies from infection caused by lack of clean water and an unclean environment. (WHO, 2015 & UNICEF, 2019/20)
- Since 1970, the population size of freshwater species has declined 84% on average. (WWF Living Planet Report, 2020)
- The cost of inaction on water risks is up to five times the cost of action. (CDP, 2020)
- By 2030, there will be a **40%** gap between water demand and availability. (UN University, 2017)
- 80% of the world's wastewater is returned to the environment untreated. (UNEP, 2016)
- If consumption and production patterns don't change, the UN predicts a 40% global shortfall in water supply by 2030. This opens companies up to a huge set of risks,

****CHANGING THE BEHAVIOUR & PERFORMANCE OF BUSINESS IN REGARD TO WATER**



THE WATER BALANCE MISSION

*As a Water
Positive
Company,
steward
Watershed
level
collective
action*

CEO & MANAGING DIRECTOR
PERNOD RICARD INDIA



THE WATER BALANCE MISSION

*As a Water positive
Company, steward
Watershed level
Collective Action*

S&R Goals

1. MAK-07: Water use
 - Define water use 'excellence' targets per activity based on best available technologies
 - 20% water use reduction (2030)
2. MAK-08: Water balance in high water risk areas
 - Replenish 100% of water consumption from production sites in high-risk watersheds through water initiatives

SENIOR VICE PRESIDENT INTEGRATED OPERATIONS & S&R
PERNOD RICARD INDIA

Water Targets

Year	A 18	A 19	A 20	A 21	A 22	A 23	A 24	B 25	B 26	B 27
Water Intensity (in kl/klαα)	20.95	26.88	32.95	30.91	26.61	20.85	16.93	16.11	15.72	15.99

**19.19 % reduction in Water Intensity till FY 24 vs. FY18.

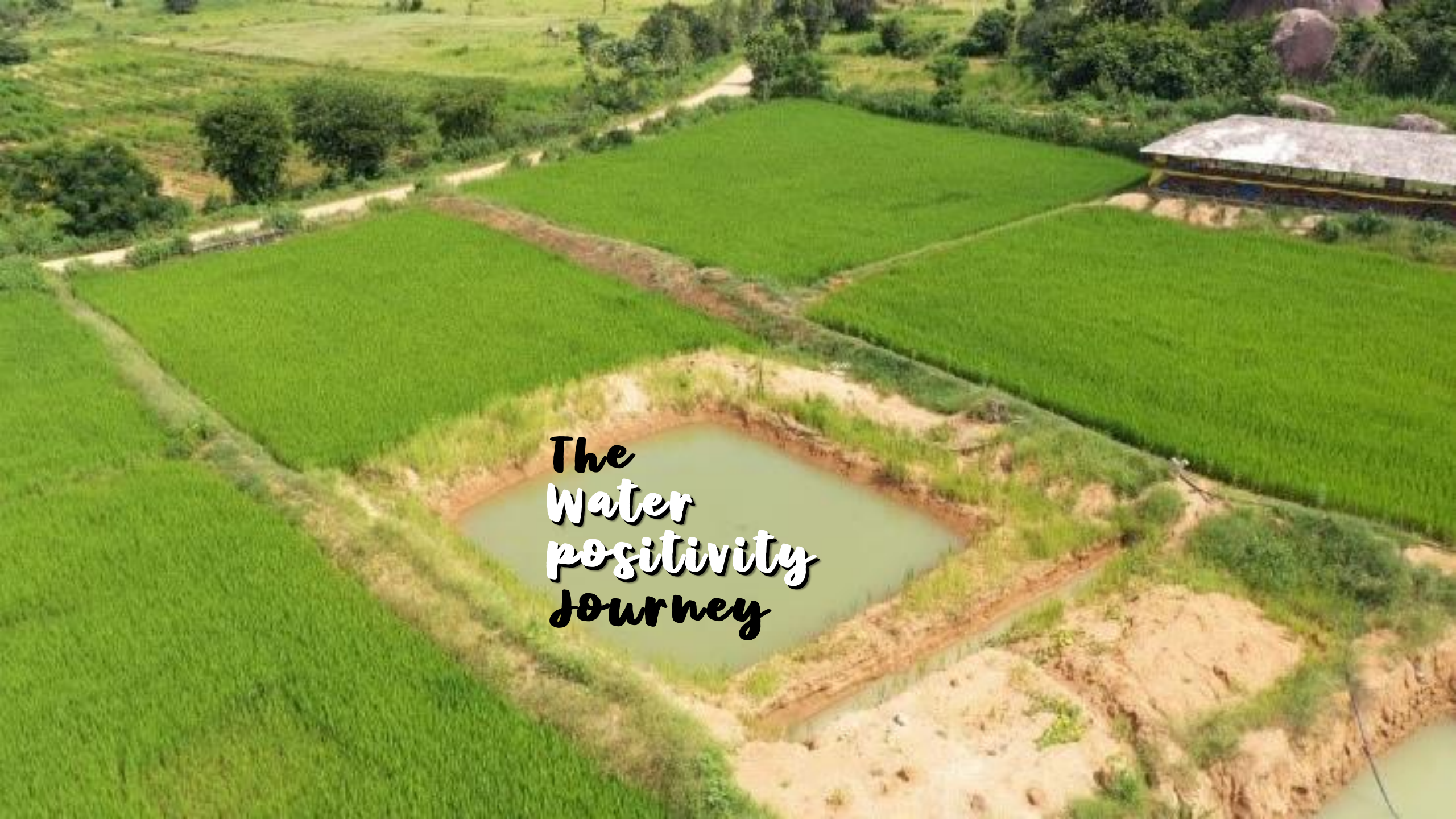
Year	A 18	A 19	A 20	A 21	A 22	A 23	A 24	B 25	B 26	B 27
Water Intensity (in kl/klαα)	1.30	1.25	1.26	1.40	1.31	1.23	1.30	1.04	1.04	1.04

**19.9% reduction in Water Intensity till FY 24 vs. FY18 for our bottling sites.

****Target : 20 % reduction in Water Intensity for operations by FY30 from baseline of FY18**

Best Practices at Sites

- Utilization of rinsing RO reject water in Cooling Tower
- Utilization of RO reject
- Utilization of recycled water in processes and washrooms
- Rainwater Utilization
- Sensor-based tap installation to reduce wastage of water
- Utilization of DM backwash water
- AC condensate recovery and utilization in mopping
- Flow meter installation at all the inflows and outflows for close monitoring and reduce wastage

An aerial photograph of a rural landscape. The foreground and middle ground are dominated by vibrant green rice fields, divided into rectangular plots by narrow dirt paths. In the center of the image, there is a small, irregularly shaped pond with a light greenish-brown hue. The pond is surrounded by a mix of green grass and patches of bare, reddish-brown soil. In the upper right corner, a long, low building with a grey, possibly corrugated metal roof is visible. The background shows more green fields and scattered trees under a clear sky.

**The
Water
positivity
Journey**

WATER BALANCE 23-24

S.No	Side UID	Unit Name	State	Risk Level	Unit Type	Water Withdrawal 2022-23	Potential Created(Audited 2021-22)	Add. Potential Created(Audited-2022-23)	Total Potential Created (Audited)20 22-23	Positivity (2022-23)	Water Withdrawal 2023-24	Add. Potential Created(2023-24)	Total Potential Created(2023-24)	Positivity(2023-24)
1	101NSB +NSD	Nashik	Maharashtra	EHR	Own	307	798	155	953	3.1	281	309	1262	4.5
2	101RDL	Rocky Derabassi	Punjab	EHR	Own	5	66	33	99		4.8	8	107	
3	101SDB	SD Beverages Derabassi	Punjab	EHR	SLU	5	144	0	144	5.2	7.6	0	144	5.4
4	101RLL	RLL Derabassi	Punjab	EHR	SLU	40	15	0	15		37	0	15	
5	101GDL	Gwalior (GAPL Distillery)	MP	EHR	SLU	91	51	0	51	0.6	23	100	151	6.6
6	101BSP	Brindavan Spirit Vikarabad	Telangana	EHR	SLU	18	0	9	9		29	0	9	
7	101APM	APMET (Bollaram)	Telangana	EHR	SLU	29	26	43	69	7.2	40	0	69	5.1
8	101SVD	SVDL, Medak- (Kucharam)	Telangana	EHR	SLU	27	412	41	453		35	0	453	
9	101UBL	UBPL, Bangalore,	Karnataka	EHR	SLU	25	0	0.06	0.06	0.0	20	0	0.06	0.0
10	101DAU	Daurala	Uttar Pradesh	EHR	SLU	32	4	28	32	1.0	3.8	0	32	8.4
11	101RSL	RSL Karnal Rana sugar limited	Haryana	EHR	SLU	21	0	0	0	0.0	25	21	21	0.8
12	101RLP	Chomu (RLL)	Rajasthan	EHR	SLU	16	17	0	17	1.1	18	0	17	0.9
13	101ALD	Behror	Rajasthan	EHR	Own	15	6	8	14	0.9	13	25	39	3.0
14	101HGB	Nalagarh (HGB Pernod Plant)	HP	EHR	SLU	10	18	0	18	1.8	8.7	0	18	2.1
15	101KOH	Kolhapur Jubilee Bottlers	Maharashtra Odisha	EHR HR	Own SLU	7 14	14 0	0 0	14 0	2.0 0.0	8 4.3	0 0	14 0	1.8 0.0
16	101JBPL	Orrisa			SLU	14	0	0	0	0.0	4.3	0	0	0.0
17	101ADP	Kanpur, Aarti Distelaries	Uttar Pradesh	HR	JV	224	0	58	58	0.3	55	59	117	2.1
18	101BVS	BVS, Vijaywada - Krishna	Andhra Pradesh	HR	SLU	2	0	0.05	0.05	0.0	7	0	0.05	0.0
19	101AIL	Aroma Guwahati	Assam	LMR	TBU	34	0	0	0	0.0	34	0	0	0.0
20	101LLM	Leade Liquor Oaken Gold,	West Bengal Meghalaya	LMR LMR	TBU TBU	45 12	0 0	0 0	0 0	0.0 0.0	42 12.2	0 0	0 0	0.0 0.0
21	101OGB	Meghalaya			TBU	12	0	0	0	0.0	12.2	0	0	0.0
22	101SBB	Silica	Jharkhand	LMR	SLU	11	0	0	0	0.0	8	0	0	0.0
23	101UBD	United Brother Distillery	Arunachal	LMR	SLU	7	0	0	0	0.0	6.3	0	0	0.0
24	101SHV	SHAIV	Goa	LMR	SLU	11	0	0	0	0.0	5	0	0	0.0
25	101BWL	Bilaspur, Bhatia Wines	Chhattisgarh	LMR	SLU	3	0	0	0	0.0	0.1	0	0	0.0
						1011	1571	375.11	1946.11	1.9	727.8	522	2468.11	3.4

2,468
Million liters
Total water
potential
created.

3.4X
Water
Positive

12/17

EHR, HR,
Watershed Positive
in Operations

- PRI India is 3.4X water positive within watershed in 2023-24 exit. Except Bangalore, Karnal, Chomu, Jubilee & Vijaywada, we are water positive in all locations

** please note that RLL, SDB and Rocky (Punjab) are all within the same watershed, it is therefore possible to claim that in Derabassi, PRIPL is **5.4 times** water positive. **Similarly, Medchal,APMET and SVDL, Vikarabad are all within same watershed, it is therefore possible to claim that in Hyderabad, PRIPL is **5.1 times** water positive

The Water positivity Journey

Water Potential as per Audit

196
Million Liters
Water Potential
Created

655
Million Liters
Water Potential
Created

667
Million Liters
Water Potential
Created

1,005
Million Liters
Water Potential
Created

1,812
Million Liters
Water Potential
Created

1946
Million Liters
Water Potential
Created

522
Million Liters
Water Potential
Created

2468
Million Liters
Water Potential
Created

Water Potential

196
Million Liters
Water Potential
Created

655
Million Liters
Water Potential
Created

1,077
Million Liters
Water Potential
Created

1,487
Million Liters
Water Potential
Created

2,509
Million Liters
Water Potential
Created

3,392
Million Liters
Water Potential
Created

602
Million Liters
Water Potential
Created

3994
Million Liters
Water Potential
Created

2017

2018

2019

2020

2021

2022

2023

Total

Water Structures

24
Water Storage &
Recharge
Structures

40
Water Storage &
Recharge
Structures

99
Water Storage &
Recharge
Structures

200
Water Storage &
Recharge
Structures

883
Water Storage &
Recharge
Structures

1391
Water Storage &
Recharge
Structures

1056
Water Storage &
Recharge
Structures

3000+
Water Storage &
Recharge
Structures

Plants

1
Nashik

1
Nashik

2
Nashik,
Behror

3
Nashik,
Behror
Derabassi

11
+ Telangana,
Rajasthan,
Maharashtra

14
+ UP,
Telangana
Odissa, Gwalior

14
+ UP,
Telangana
Odissa, Kanpur

14
+ UP,
Telangana
Odissa, Kanpur

Partners

1
PRIPL

1
PRIPL

2
PRIPL & S.M.
Sehgal (SMS)

3
Sir Syed Trust,
AFPRO & SMS

4
+ Bala Vikasa
(BV)

4
SST, AFPRO &
SMS, BV,
Haritika

6
SST, AFPRO &
SMS, BV,
Haritika, TNS,
Vanarai, WOTR

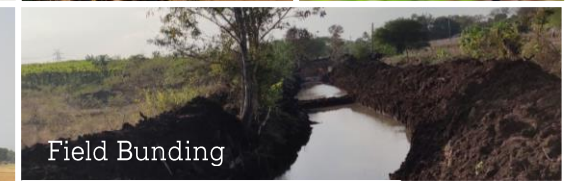
6
SST, AFPRO &
SMS, BV,
Haritika, TNS,
Vanarai, WOTR

Water Structures & Potential Created

Total Water Recharge Potential Created: 2,468 mn litres

2447

Audited Sites.
As of 31st March 2024



GOING BEYOND...

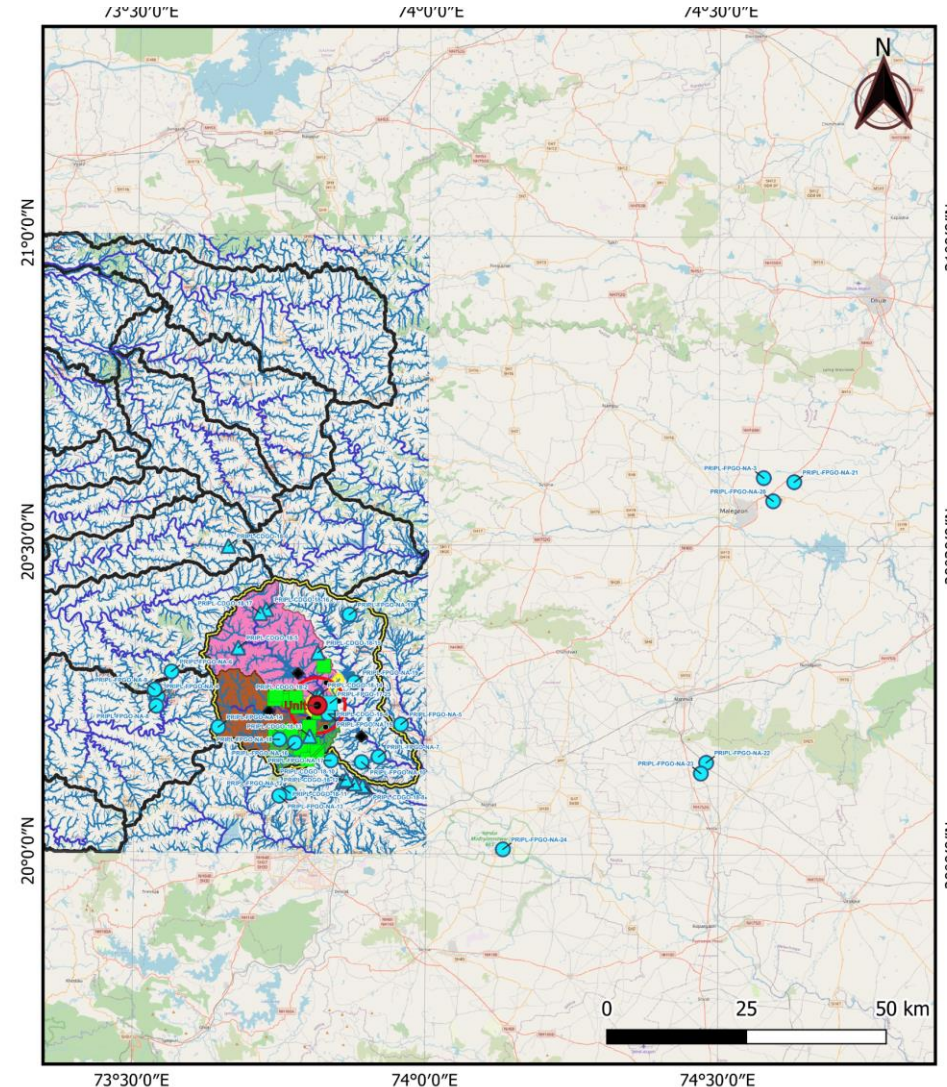
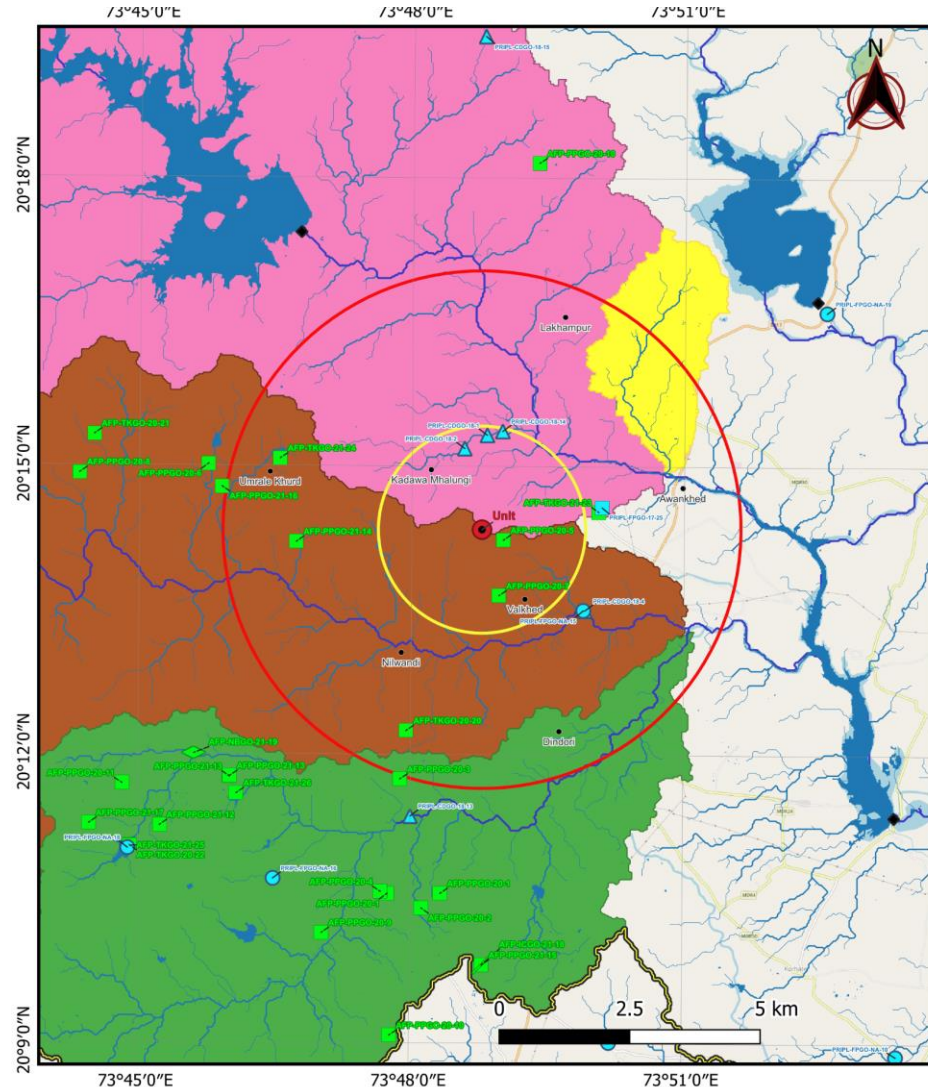
*Watershed Maps
and Recharge
Performance
Summary*

Watershed Map and
Performance

Own Units

(EH-HIGH Risk Sites)

PRI Nashik (nsb+nsd), Maharashtra



Legend	
● Unit	Replenishment Projects (PRIPR)
• Settlements	▲ Check Dam
◆ Dams	● Desilting of Pond
	■ Harvesting Pond
	Replenishment Projects (AFPRO)
	■ Ponds
	◆ Nala Bunding
	— Irrigation: Canal
	Waterbodies / Wetlands
	— Rivers
	— Intermediate stream
	— Start stream
	Project Catchment
	— Nearby catchments
	— Core Area (2 km)
	— Buffer Area (5 km)
	Subcatchments
	■ Subcatchment A
	■ Subcatchment B
	■ Subcatchment C
	■ Subcatchment D

Elevation data source: Shuttle Radar Topography Mission (SRTM) 1 Arc-Second Global

Base map Credits: Base map and data from OpenStreetMap and OpenStreetMap Foundation (CC-BY-SA), © <https://www.openstreetmap.org> and contributors.

****Catchment & Sub-Catchment Map with Replenishment Projects**

PRI Nashik (nsb+nsd), Maharashtra

- Catchment Area: 1165
- River Basin Classification : **Godavari, (Overlap Ganges)**
- Water Stress: **Extremely High Risk**
- Built to Date: **198 structures***
- Average distance from the plant 20.2km
- Water Withdrawal in 2022-23 307
- Water Withdrawal in 2023-24 281
- Total Potential Created till date Exit 2024 1262

FUTURE PLAN:

- Potential Targeted 2024-25 **255**

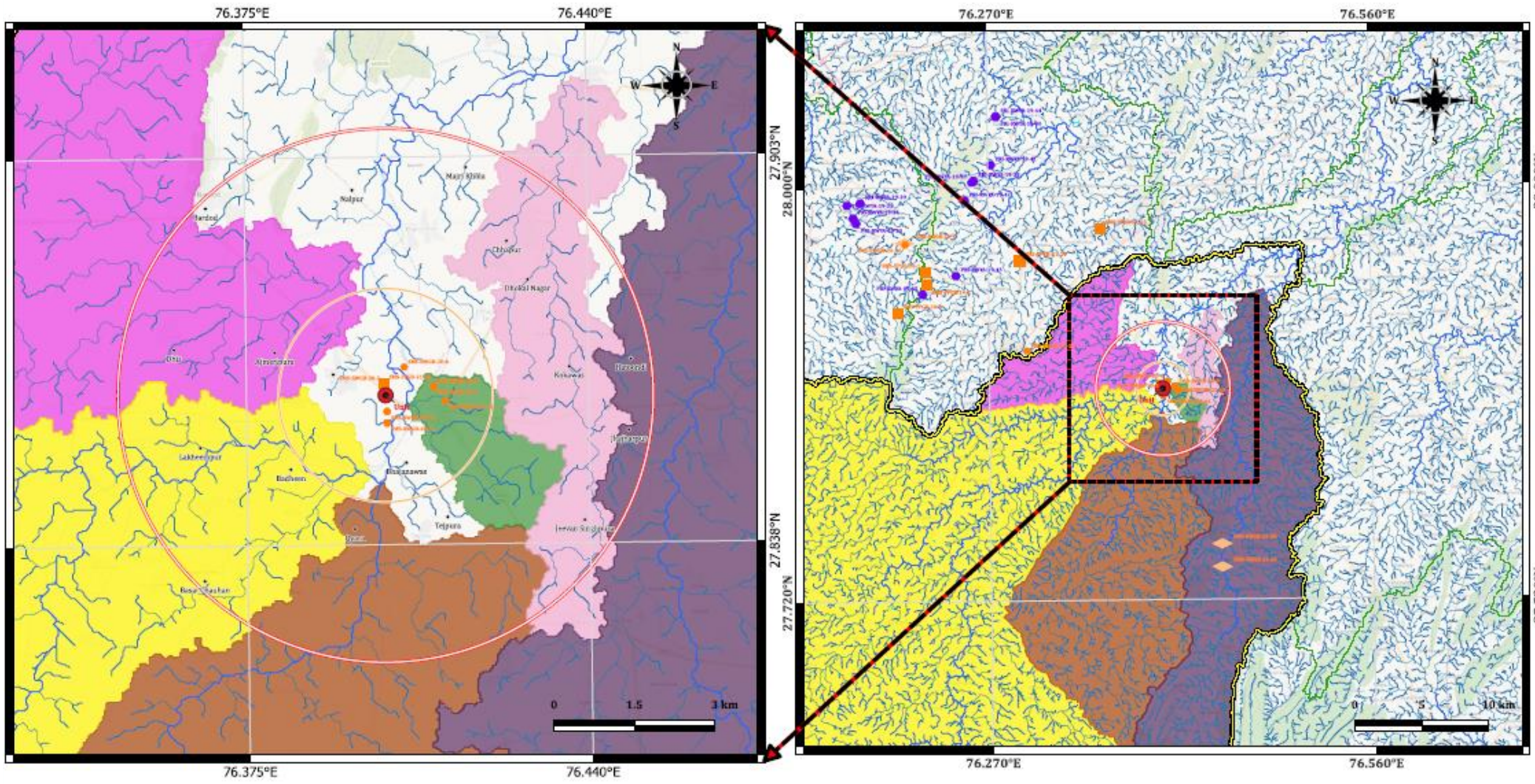
4.5X
Water
positive

Type of Structures	FY 22-23
Farnpond	29
Checkdam	5
Dugwell	4
Farm canal	9
Gabion	6
Nala disiltation	7
Cement	
Nalabund	3
Farm bunding	9
Paddy bunds	7
Trench	3
Total	82

Type of Structures	FY 23-24
Checkdam	6
earthen nala bund	5
ENV disiltation	2
Farm Bunding	4
Gabion	3
Nala disiltation	4
Paddy bunds	2
Pond	1
Sunken pond	15
Total	42

****Pls note that the expansion plans have been considered and the water targets are defined to maintain the status.**

PRI Behror (ALD), Rajasthan



LEGEND

- Unit
- Settlements
- Replenishment Projects**
- Recharge Well (PRIPL)
- Farm Ponds (SMSF)
- Nala Building (SMSF)
- Recharge Well (SMSF)
- Project Catchment
- Nearby Catchment
- Wetland & Water bodies
- Buffer Zone(5km)
- Core Area(2km)
- Rivers
- Intermediate streams
- Start streams
- Subcatchments**
- Subcatchment A
- Subcatchment B
- Subcatchment C
- Subcatchment D
- Subcatchment E
- Subcatchment F

Elevation data source: Shuttle Radar Topography Mission (SRTM) 1 Arc-Second Global.
 Base map and data from OpenStreetMap and OpenStreetMap Foundation (CC-BY-SA).
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 This wetland and water bodies dataset is based on the dataset produced for the Dynamic World Project by National Geographic Society in partnership with Google and the World Resources Institute.

****Catchment & Sub-Catchment Map with Replenishment Projects**

PRI Behror (ALD), Rajasthan

Catchment Area:	1165
River Basin Classification:	Ganges – Brahmaputra
Water Stress:	Extremely High Risk
Built to Date:	62 structures
Average distance from the plant	13.6km
Water Withdrawal in 2022-23	15
Water Withdrawal in 2023-24	13
Total Potential Created till date Exit 2024	39
Potential Targeted 2024-25	20

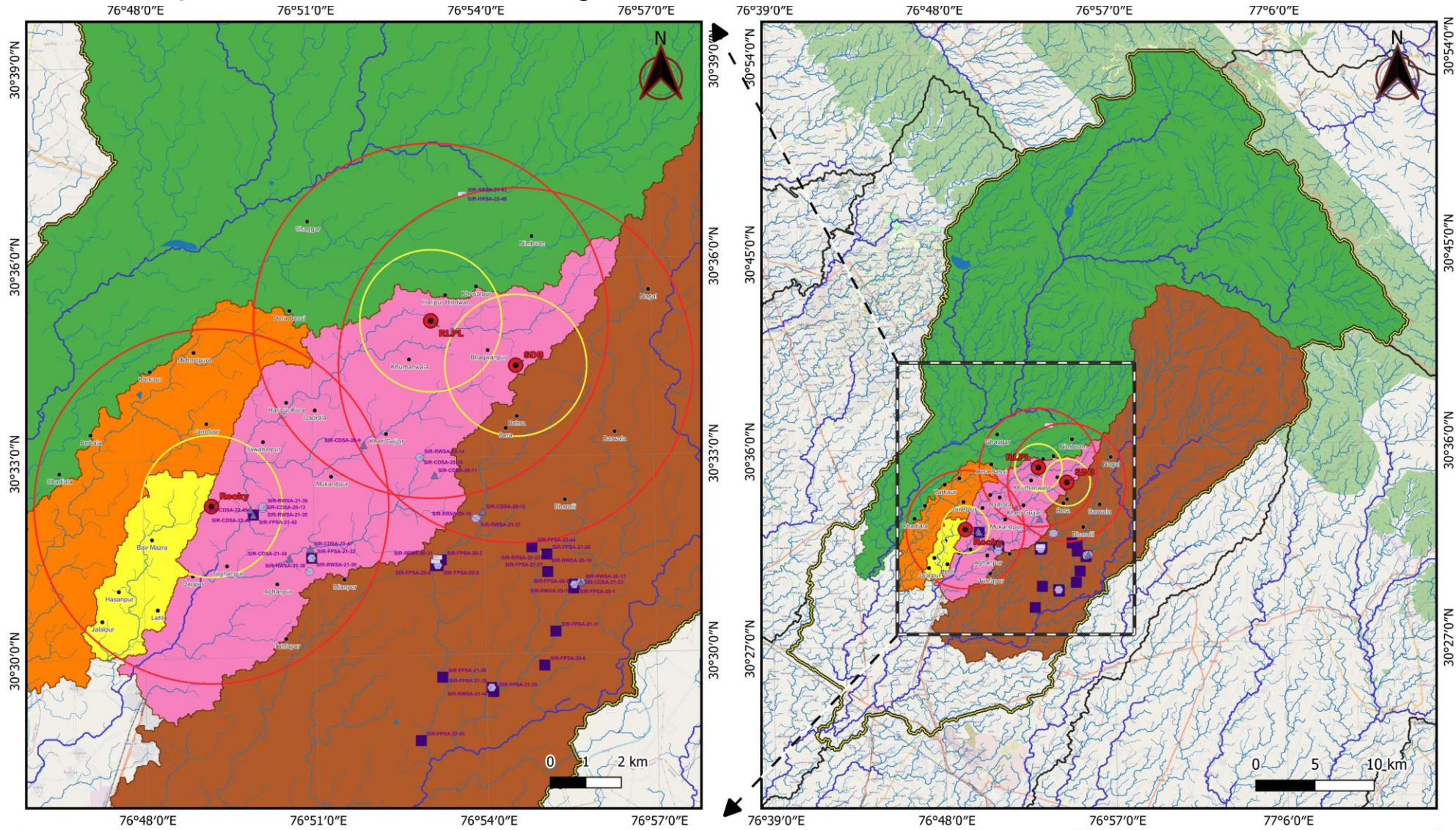
3X
Water
positive

Type of Structures	FY 23-24
Farm Pond	2
Total	2

Type of Structures	FY 22-23
Checkdam	2
Total	2

****Pls note that unit is already water positive, and withdrawal has not increased.**

PRI Rocky (RDL), Derabassi, Punjab



Legend

- Units
- Settlements
- Waterbodies
- Rivers
- Intermediate streams
- Start stream

Replenishment Projects (SST)

- Rooftop RWH
- Recharge Well
- ▲ Check Dam
- Pond

- Project Catchment
- Nearby Catchments
- Core Area (2 km)
- Buffer Area (5km)

Subcatchments

- Subcatchment A
- Subcatchment B
- Subcatchment C
- Subcatchment D
- Subcatchment E

Elevation data source: Shuttle Radar Topography Mission (SRTM) 1 Arc-Second Global

Base map Credits: Base map and data from OpenStreetMap and OpenStreetMap Foundation (CC-BY-SA), © <https://www.openstreetmap.org> and contributors.

RLPL - Rajasthan Liquor Pvt Ltd
 RWH - Rain water harvesting
 SDB - S D Beverages
 SST - Sir Syed Trust

****Catchment & Sub-Catchment Map with Replenishment Projects**

PRI Rocky (RDL), Derabassi, Punjab

- Catchment Area: 1463.7
- River Basin Classification: **Sabarmati**
- Water Stress: **Extremely High Risk**
- Built to Date: **102** structures
- Downstream: 15
- Cross-Gradient: 30

- Average distance from the plant: 6.9km
- Water Withdrawal in 2022-23: 15
- Water Withdrawal in 2023-24: 13
- Total Potential Created till date Exit 2024: 39

- Potential Targeted 2024-25: **Nil**
- Structures Planned for 2024-25: Nil

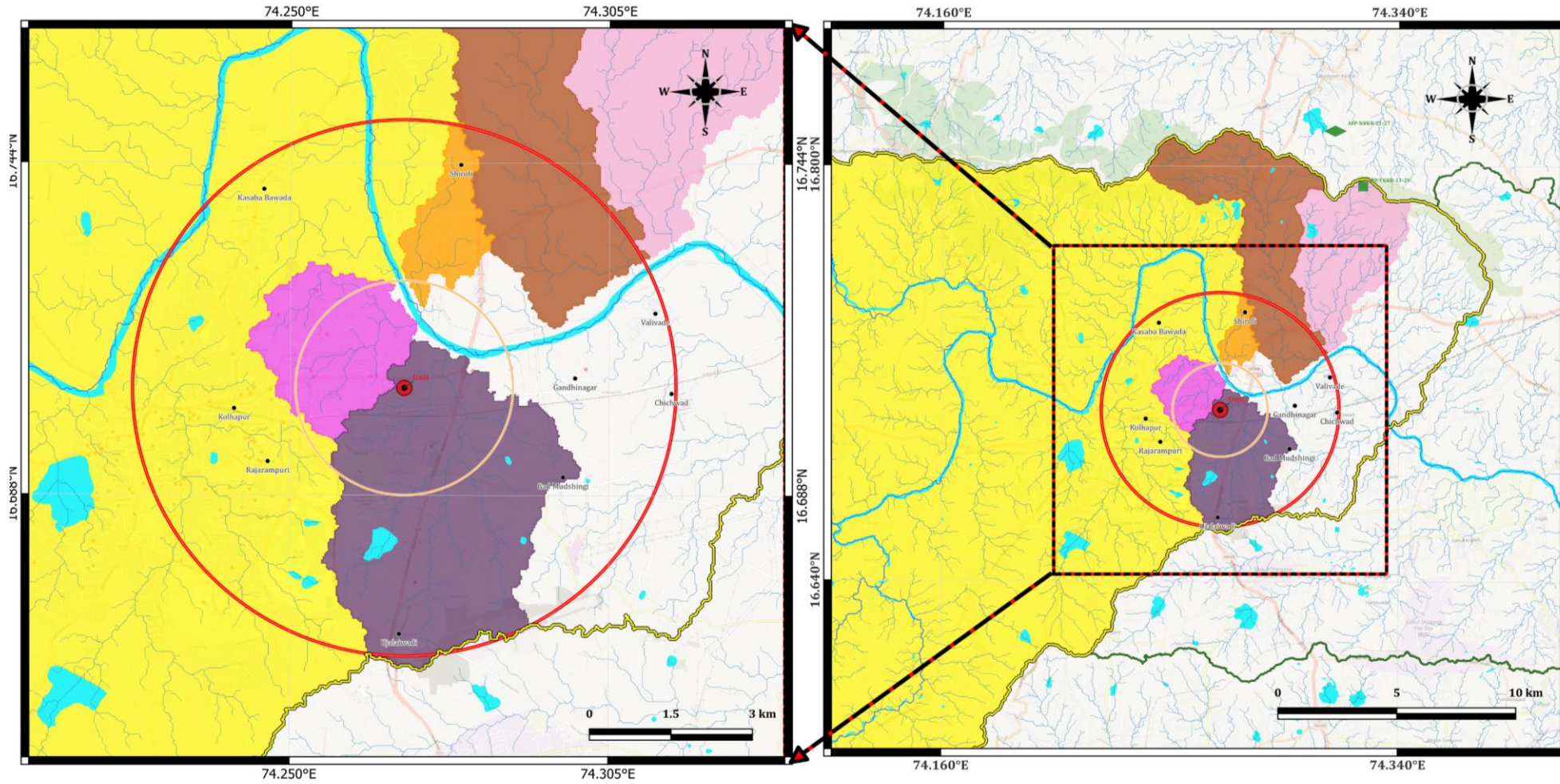
5.4X
Water
positive

Type of Structures	FY 22-23
Farmponds	2
Total	2

Type of Structures	FY 22-23
Farmponds	5
Earthen checkdam	1
Rooftop RWH	22
Shallow Aquifer Recharge	10
Total	38

**** please note that RLL, SDB and Rocky (Punjab) are all within the same watershed, it is therefore possible to claim that in Derabassi, PRIPL is 3.8 times water positive**

PRI Kohlapur (KOH), Maharashtra



LEGEND

- | | | | | |
|-------------------------------|-------------------|----------------------|------------------------|----------------|
| Unit | Settlements | Core Area(2km) | Wetland & Water bodies | Subcatchment C |
| Replenishment Projects | Project Catchment | Rivers | Subcatchments | Subcatchment D |
| Nala Bunding(AFPRO) | Nearby Catchment | Intermediate streams | Subcatchment A | Subcatchment E |
| Farm Ponds(AFPRO) | Buffer Zone(5km) | Start streams | Subcatchment B | Subcatchment F |

Elevation data source: Shuttle Radar Topography Mission (SRTM) 1 Arc-Second Global.

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****Catchment
& Sub-
Catchment Map
with
Replenishment
Projects**

PRI Kohlapur (KOH), Maharashtra

- Catchment area: 746.59
- River Basin Classification: **Krishna**
- Water Stress: **Extremely High Risk**

- Built to Date: 2 structures
- Average distance from the plant: 12.05km
- Water Withdrawal in 2022-23: 7
- Water Withdrawal in 2023-24: 8
- Total Potential Created till date Exit 2024: 14

- Structures Created in 2022-23: 0
- Potential Targeted 2024-25: **Nil**
- Structures Planned for 2024-25: Nil

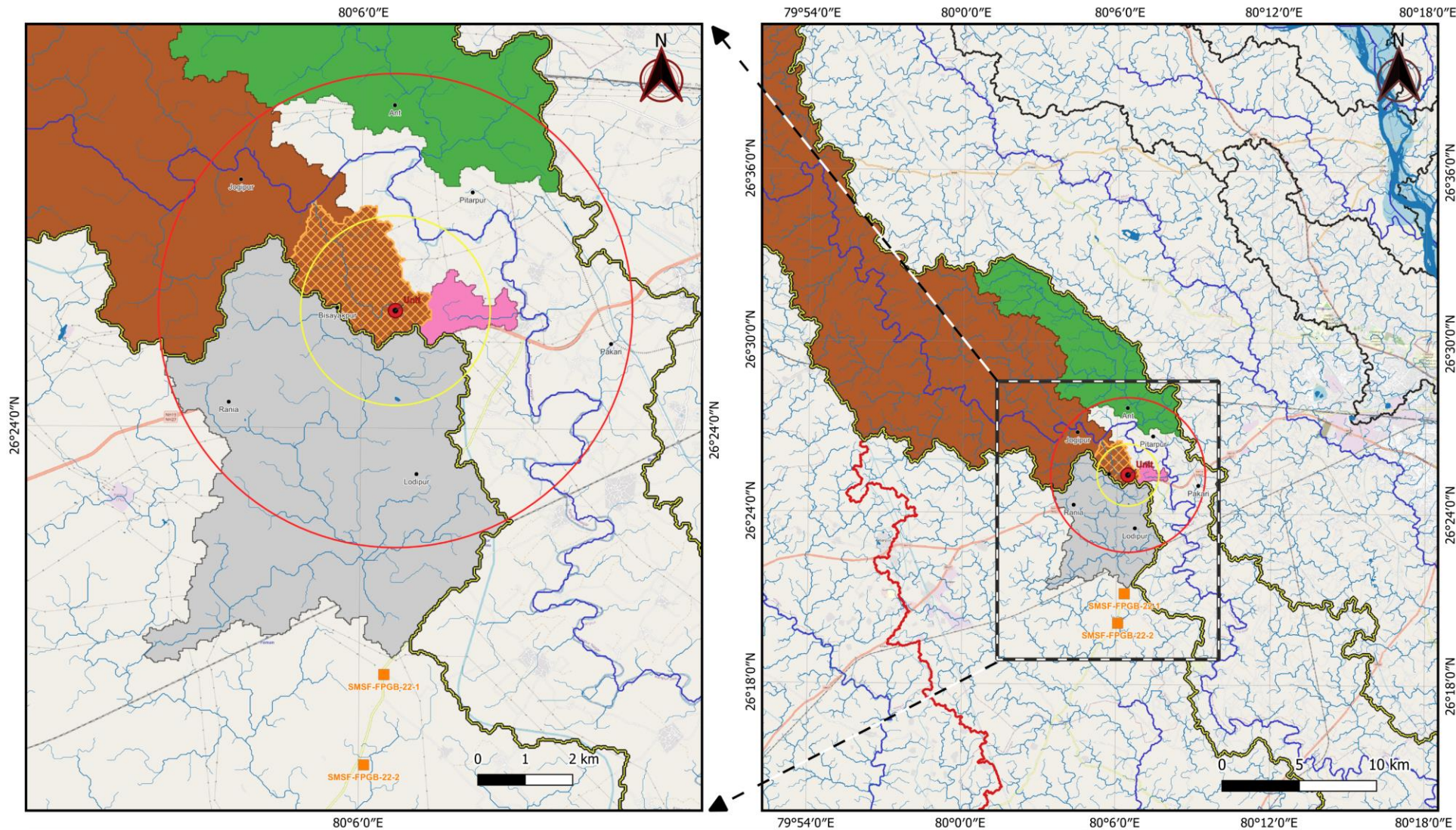
1.8X
Water
positive

**** please note Unit is already water positive and withdrawal has not increased**

Watershed Map and
Performance

Third party units
(EH-HIGH Risk Sites)

PRJ Kanpur (ADP), Uttar Pradesh



Legend

- | | | | | |
|--------------------------------------|----------------------|------------------------|--------------------------|---------------------------|
| ● Unit | ○ Core Area (2 km) | ■ Waterbodies | ■ Project Catchment (PC) | ■ Adjacent catchment (AC) |
| • Settlements | ○ Buffer Area (5 km) | ■ Rivers | ■ Subcatchment PC-A | ■ Subcatchment AC-A |
| □ Nearby catchments | | ■ Intermediate streams | ■ Subcatchment PC-A1 | |
| Replenishment Projects (SMSF) | | ■ Start streams | ■ Subcatchment PC-B | |
| ■ Ponds | | | ■ Subcatchment PC-C | |

Elevation data used for watershed investigation: Shuttle Radar Topography Mission (SRTM) 1 Arc-Second Global

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Wetland & waterbody classification is based on the dataset produced for the Dynamic World Project by National Geographic Society in partnership with Google and the World Resources Institute.

SMSF: S.M. Sehgal Foundation

****Catchment & Sub-Catchment Map with Replenishment Projects**

PRI Kanpur (ADP), Uttar Pradesh

Catchment Area: Kanpur catchment area drains into the Yamuna River and its tributaries. The catchment area covers an area of approximately 3,500 square kilometers and is home to over 2 million people

- **River Basin Classification:** Ganga River basin
- **Water Stress:** Extremely High Risk
- **Built to Date:** 11 ponds
-
- **Average distance from the plant** 10 km
- Water Withdrawal in 2022-23 224
- Water Withdrawal in 2023-24 348
- Total Potential Created till date Exit 2024 117
- Potential Targeted 2024-25 180

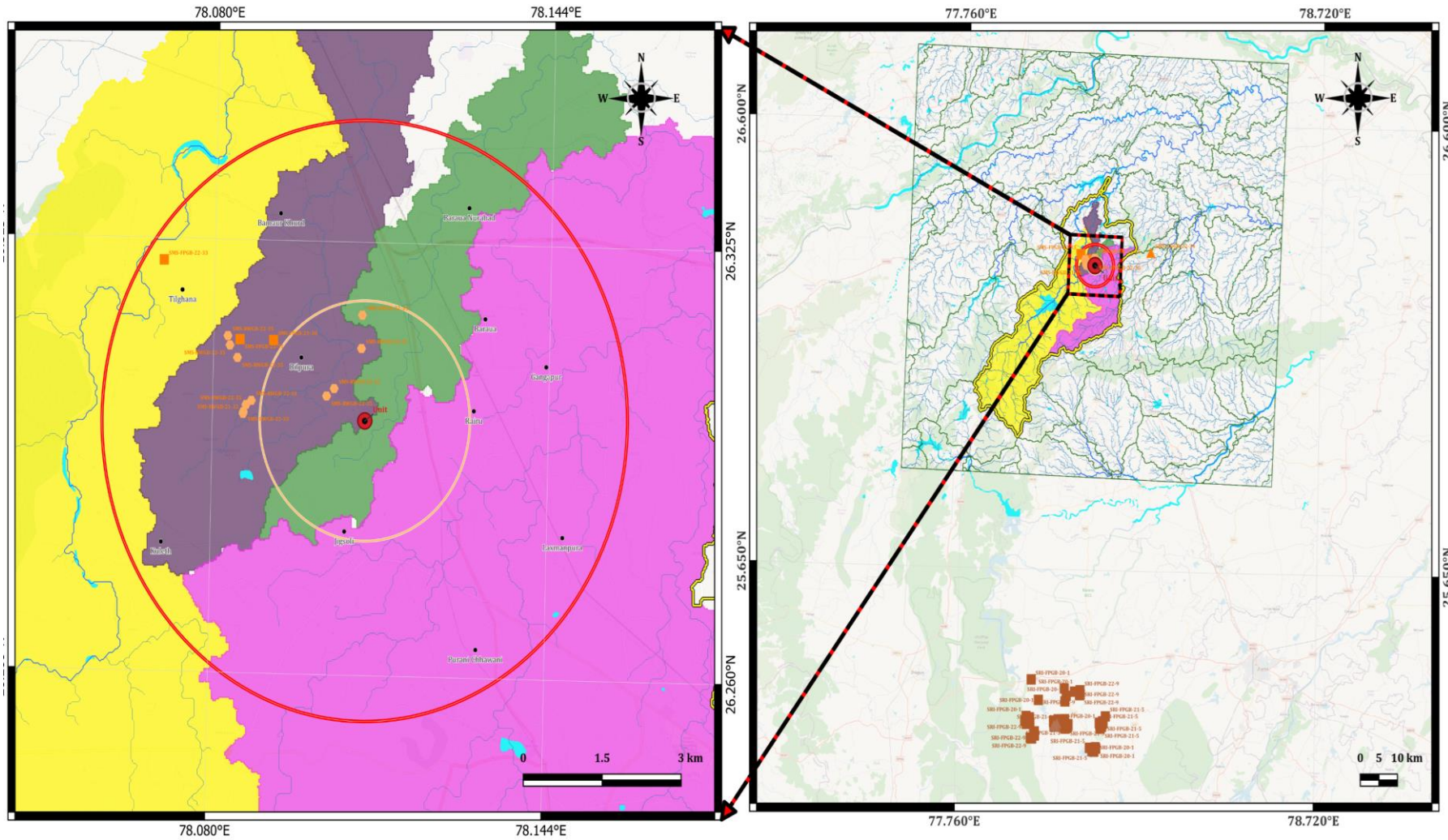
0.3X
Water
positive

Type of Structures	FY 23-24
Farm ponds	4
Total	4

Type of Structures	FY 22-23
Farm ponds	7
Total	4

** PIs note the site is in EHR & is not water positive. The unit has been included in the planned water Projections for FY 2024-25.

PRI Gwalior(GAPL), Madhya Pradesh



LEGEND

- | | | | | |
|-------------------------------|--------------------|----------------------|----------------|------------------------|
| Unit | Farm Ponds(SRIJAN) | Settlements | Core Area(2km) | Wetland & Water bodies |
| Replenishment Projects | Check Dam(SRIJAN) | Project Catchment | Rivers | Subcatchments |
| Farm Ponds(SMSF) | Nearby Catchment | Intermediate streams | Subcatchment A | Subcatchment B |
| Check Dam(SMSF) | Buffer Zone(5km) | Start streams | Subcatchment C | Subcatchment D |
| Recharge Well(SMSF) | | | | |

Elevation data source: Shuttle Radar Topography Mission (SRTM) 1 Arc-Second Global.

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****Catchment
& Sub-
Catchment Map
with
Replenishment
Projects**

PRI Gwalior (GAPL), Madhya Pradesh

- Catchment Area: 947.595
 - River Basin Classification: **Krishna**
 - Water Stress: **Extremely High Risk**
 - Built to Date: **17** structures
 - Average distance from the plant of 3.14km
 - Water Withdrawal in 2022-23 19
 - Water Withdrawal in 2023-24 23
 - Total Potential Created till date Exit 2024 151

 - Structures Created in 2022-23 **0**
- FUTURE PLAN**
- Potential Targeted 2024-25 **64**

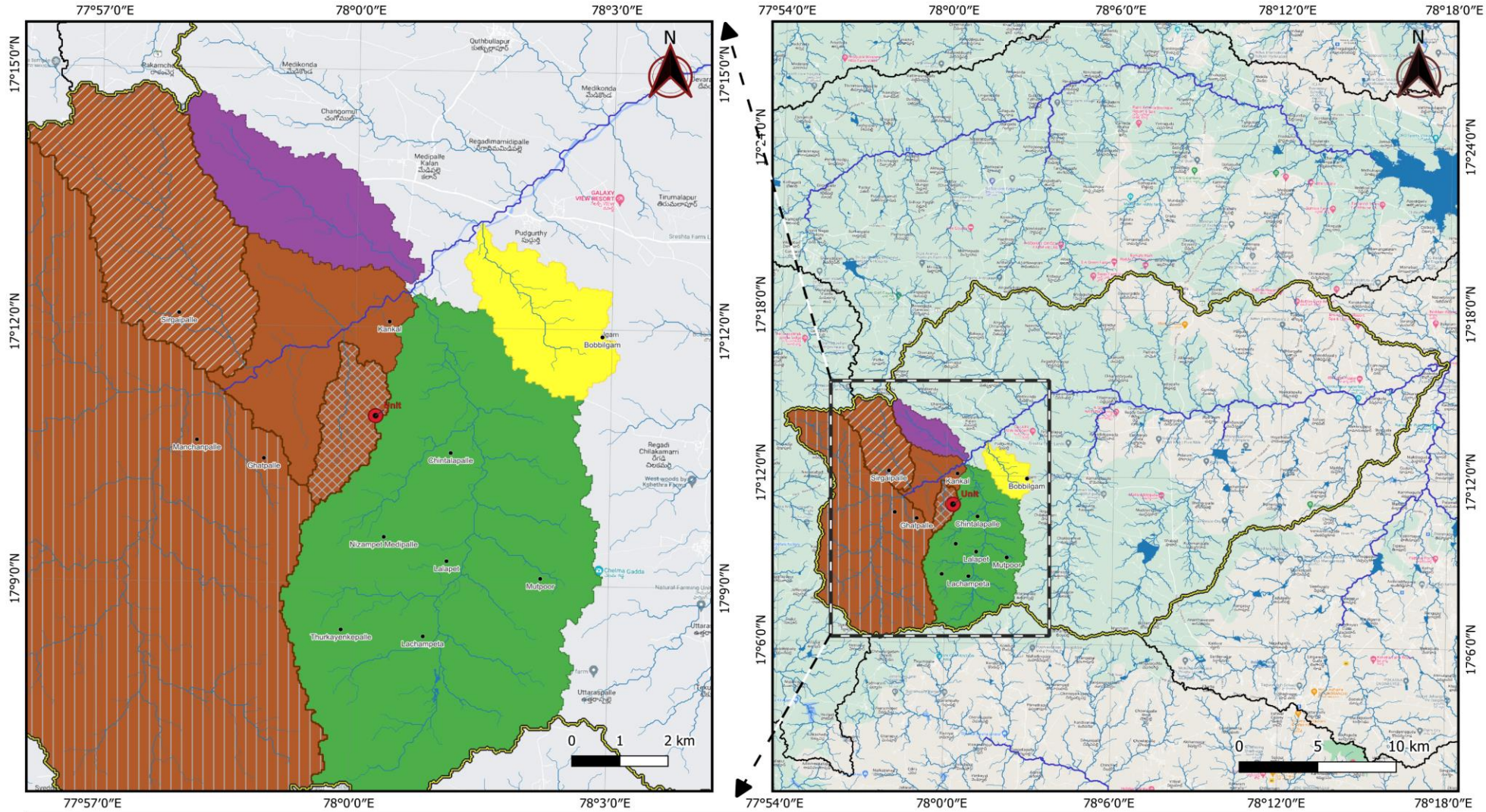
Type of Structures	FY 23-24
Checkdams	2
Total	2

6.6X
Water
positive

**** please note Unit is already water positive and withdrawal has not increased**

PRI Brindavan (BSP), Telangana

PRIPL, BRINDAVAN SPIRIT VIKARABAD UNIT: CATCHMENT AND SUBCATCHMENTS MAP



Legend

- Unit
- Settlements
- Project Catchment
- Nearby catchments

- Waterbodies / Wetlands
- Rivers
- Intermediate streams
- Start streams

Subcatchments

- Subcatchment A
- Subcatchment A1
- Subcatchment A2
- Subcatchment A3

- Subcatchment B
- Subcatchment C
- Subcatchment D

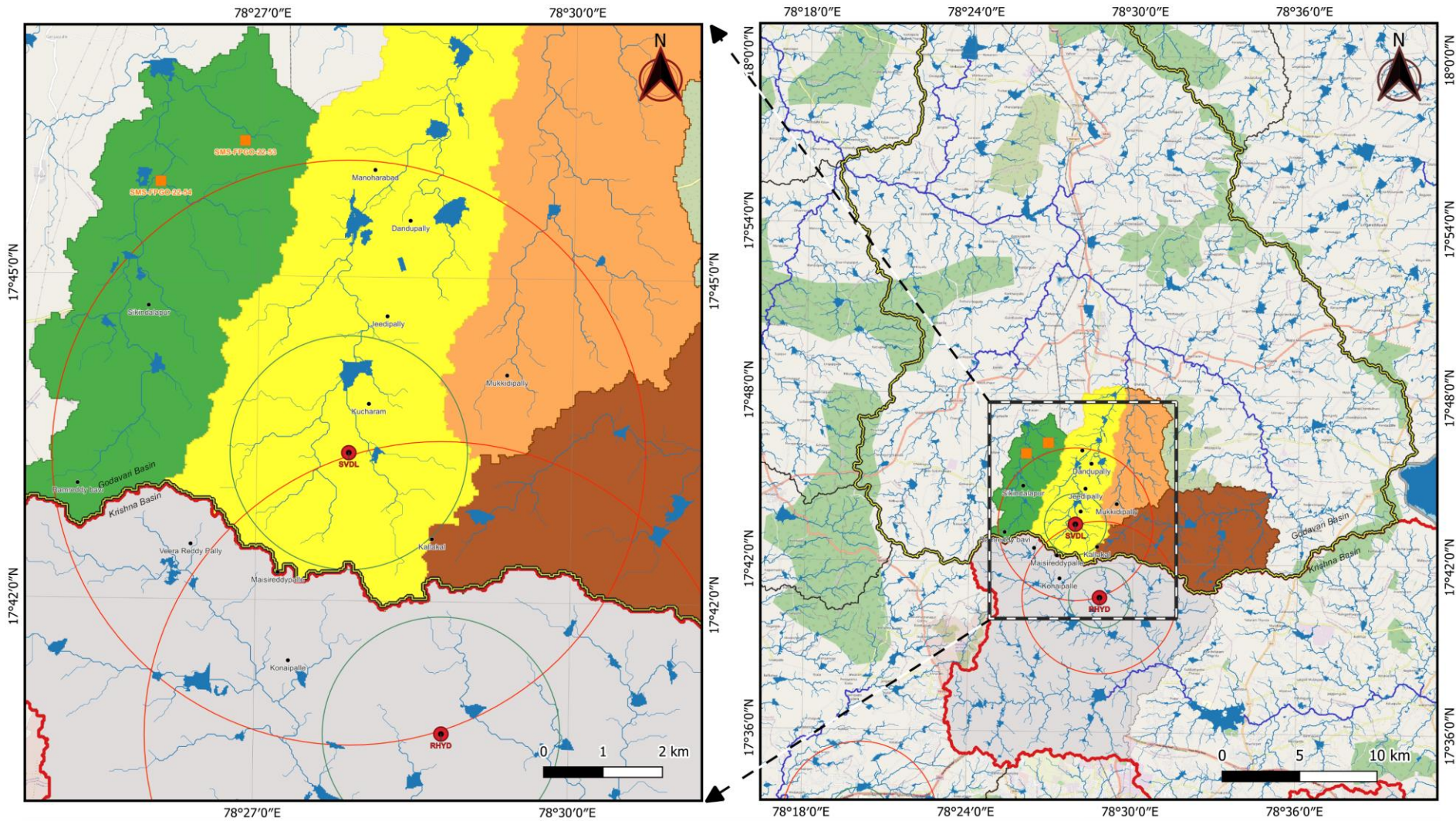
Elevation data source: Shuttle Radar Topography Mission (SRTM) 1 Arc-Second Global

Base map Credits: Base map and data from OpenStreetMap and OpenStreetMap Foundation (CC-BY-SA). © <https://www.openstreetmap.org> and contributors.

****Catchment & Sub-Catchment Map with Replenishment Projects**

PRI Medak (SVD), Telangana

PR IPL, SVDL MANOHARABAD UNIT: CATCHMENT AND SUBCATCHMENTS MAP WITH REPLENISHMENT PROJECTS



Legend <ul style="list-style-type: none"> ● Units • Settlements Nearby catchments 		<ul style="list-style-type: none"> Core Area (2 km) Buffer Area (5 km) Waterbodies / Wetlands — Rivers — Intermediate streams — Start streams 		<ul style="list-style-type: none"> Project Catchment (PC) Subcatchment PC-A Subcatchment PC-B Subcatchment PC-C Subcatchment PC-D 		<ul style="list-style-type: none"> Adjacent Catchment (AC) Subcatchment AC-A 		<p>Elevation data source: Shuttle Radar Topography Mission (SRTM) 1 Arc-Second Global</p> <p>Base map Credits: Base map and data from OpenStreetMap and OpenStreetMap Foundation (CC-BY-SA). © https://www.openstreetmap.org and contributors.</p> <p>SMSF: S. M. Sehgal Foundation</p>
Replenishment Projects (SMSF) <ul style="list-style-type: none"> Storage Pond 								

****Catchment & Sub-Catchment Map with Replenishment Projects**

All Units Hyderabad, Telangana

- Catchment Area: 997.963
- River Basin Classification: **Godavari**
- Water Stress: **Extremely High Risk**
- Built to Date: **785** structures
- Water Withdrawal in 2022-23: 74
- Water Withdrawal in 2023-24: 104
- Total Potential Created till date Exit 2024: 531

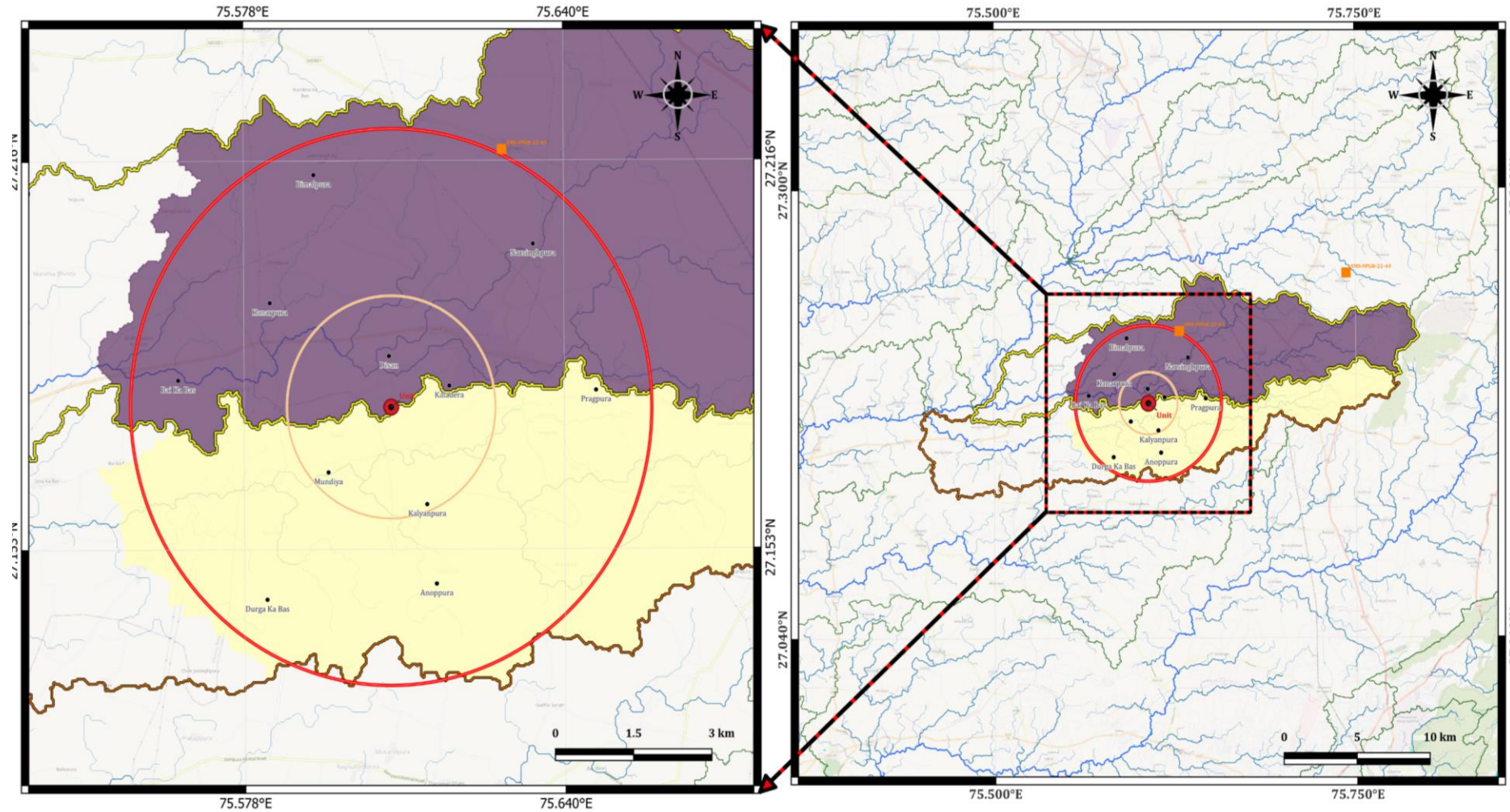
- Structures Created in 2022-23: **0**

5.1X
Water
positive

Type of Structures	FY 22-23
Borewell	203
Checkdam	2
Farm ponds	486
Rooftop RWH	2
Tank	6
Tank disiltation	8
Total	707

**** Pls note that BSP, APMET and SVDL(Telangana) are all within the same watershed, it is therefore possible to claim that in Derabassi, PRIPL is 5.1 times water positive**

PRI Chomu (RLP), Rajasthan



LEGEND

- | | | | | |
|--|---|---|---|--|
| ● Unit | Project Catchment (PC) | Adjacent Catchment (AC) | Buffer Zone(5km) | — Rivers |
| • Settlements | Subcatchment PC-A | Subcatchment AC-A | Core Area(2km) | — Intermediate streams |
| Replenishment Projects | Nearby Catchment | | | — Start streams |
| ■ Ponds (SMSF) | | | | Wetland & Water bodies |

Elevation data source: Shuttle Radar Topography Mission (SRTM) 1 Arc-Second Global.

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This wetland and water bodies dataset is based on the dataset produced for the Dynamic World Project by National Geographic Society in partnership with Google and the World Resources Institute.

****Catchment
& Sub-
Catchment Map
with
Replenishment
Projects**

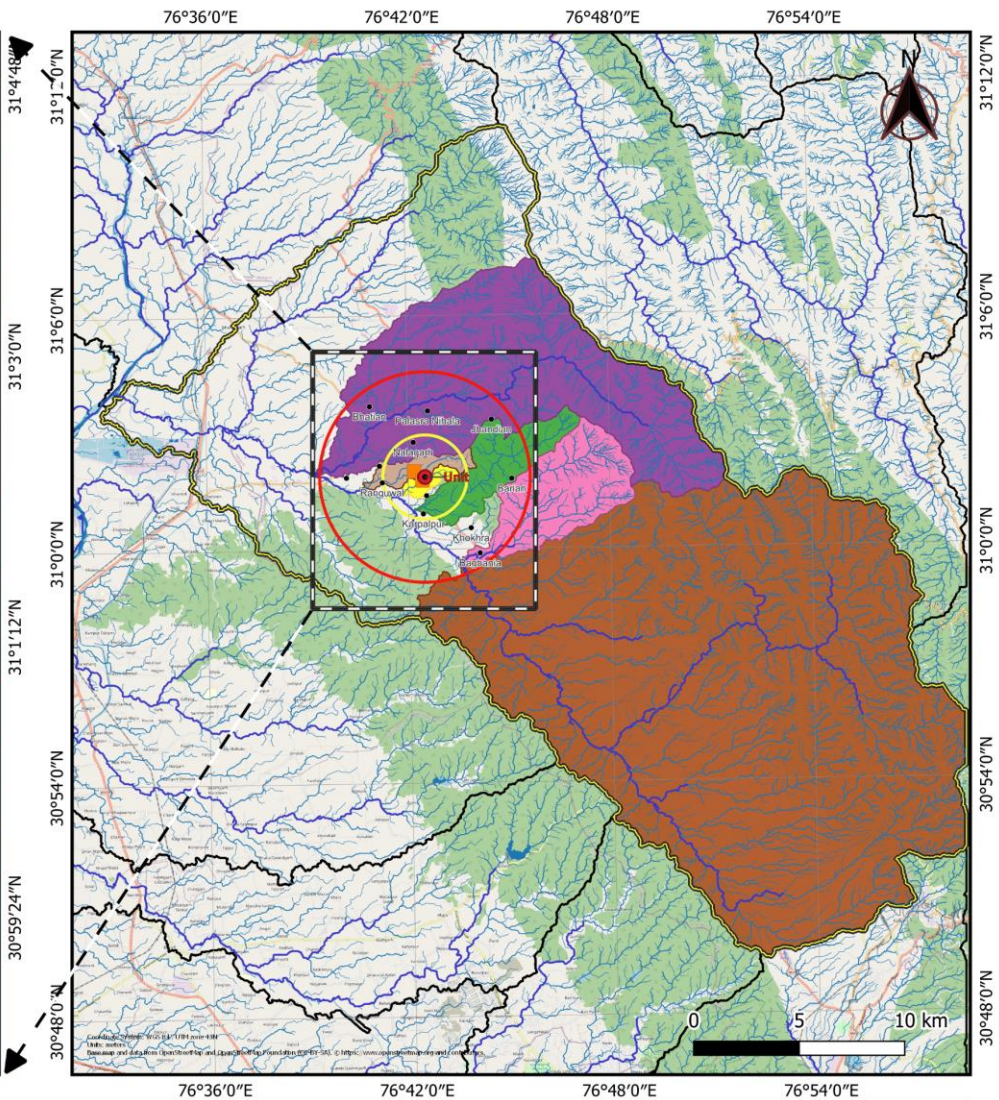
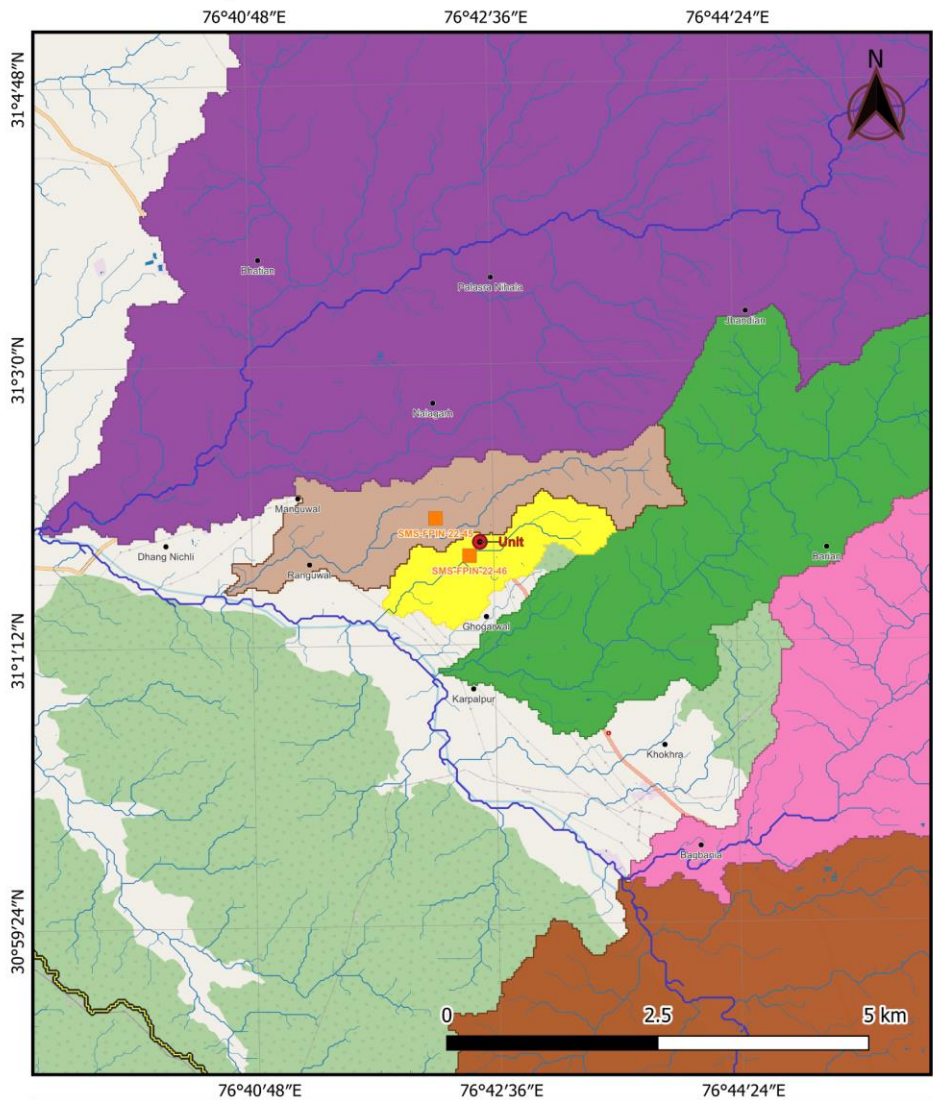
PRI Chomu (RLP), Rajasthan

• Catchment area:	144.06
• River Basin Classification:	Ganges-Brahmaputra
• Water Stress:	Extremely High Risk
• Built to Date:	2 structures
• Average distance from the plant	10.51km
• Water Withdrawal in 2022-23	16
• Water Withdrawal in 2023-24	18
• Total Potential Created till date Exit 2024	17
• Structures Created in 2022-23	0
FUTURE PLAN:	Achieve 2X Water Positivity
• Potential Targeted 2024-25	30
• Structures Planned for 2024-25	TBD

0.9X
Water
positive

**** PIs note the site is in EHR & is not water positive. The unit has been included in the planned water Projections for FY 2024-25.**

PRI Nalagarh (HGB), Himachal Pradesh



Legend

- Unit
- Settlements

Replenishment Projects (SMSF)

- Ponds

- ▭ Project Catchment
- ▭ Core Area (2 km)
- ▭ Buffer Area (5 km)

- ▭ Waterbodies
- ▭ Rivers
- ▭ Intermediate streams
- ▭ Start streams

Subcatchments

- ▭ Subcatchment A
- ▭ Subcatchment B
- ▭ Subcatchment C
- ▭ Subcatchment D
- ▭ Subcatchment E
- ▭ Subcatchment F

Elevation data source: Shuttle Radar Topography Mission (SRTM) 1 Arc-Second Global

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SMSF: S.M. Sehgal Foundation

****Catchment & Sub-Catchment Map with Replenishment Projects**

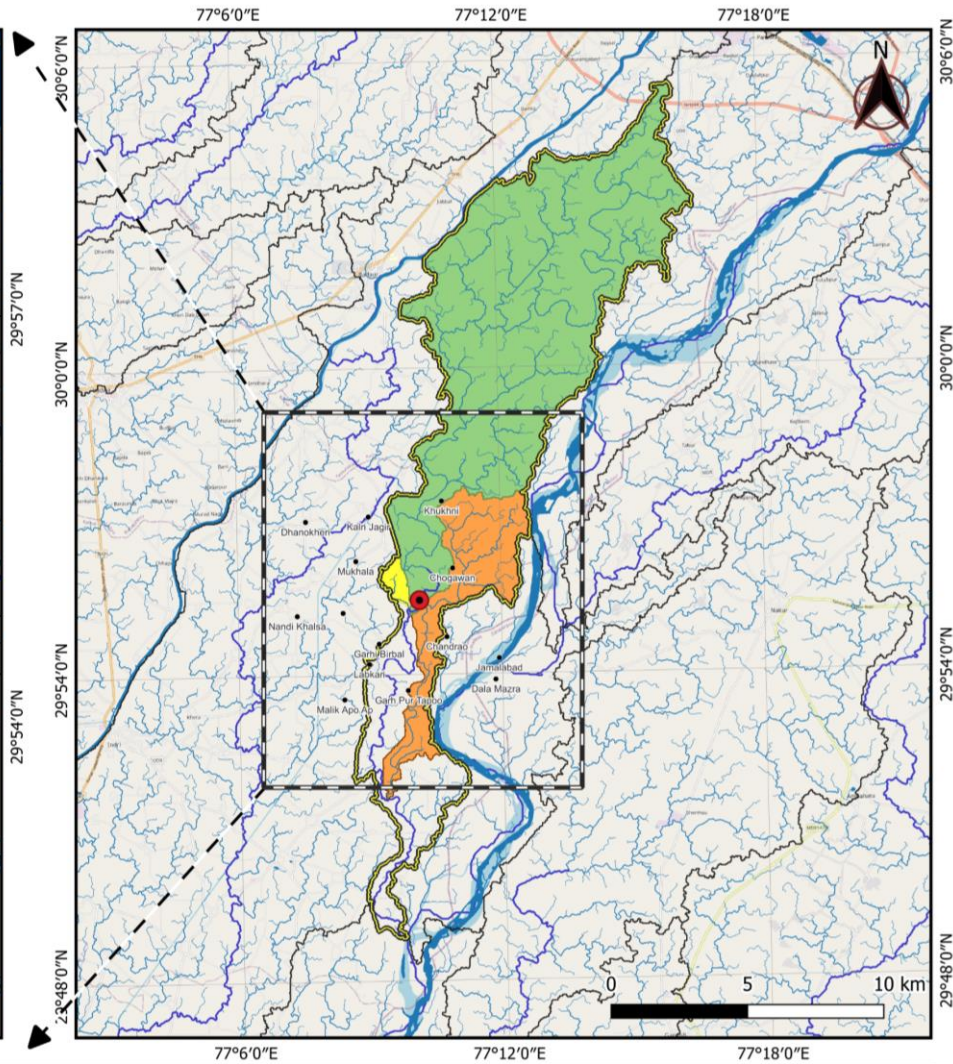
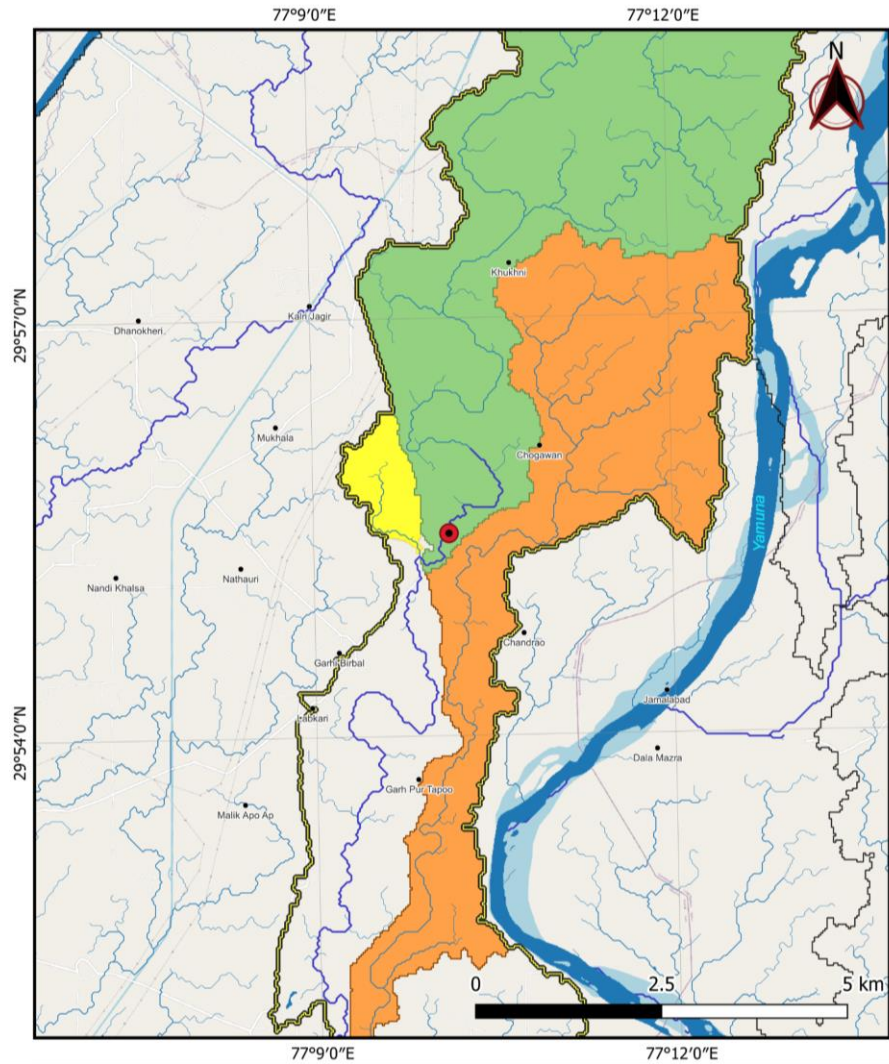
PRI Nalagarh (HGB), Himachal Pradesh

• Catchment area:	703 km ²
• River Basin Classification:	Indus
• Water Stress:	Extremely High Risk
• Built to Date:	2 structures
• Average distance from the plant	0.4km
• Water Withdrawal in 2022-23	10
• Water Withdrawal in 2023-24	8.7
• Total Potential Created till date Exit 2024	18
• Structures Created in 2022-23	0
• Potential Targeted 2024-25	Nil
• Structures Planned for 2024-25	Nil

2.1X
Water
positive

**** please note Unit is already water positive and withdrawal has not increased**

PRI Karnal (RSL), Haryana



Legend

- | | | |
|---------------------|----------------------|----------------------|
| ● Unit | Waterbodies | Subcatchments |
| • Places | Rivers | ■ Subcatchment A |
| ▭ Project Catchment | Intermediate streams | ■ Subcatchment B |
| ▭ Nearby catchments | Start streams | ■ Subcatchment C |

Elevation data source: NASA/METI/AIST/Japan Space Systems, and U.S./Japan ASTER Science Team. ASTER global digital elevation model V003, 2018, distributed by NASA EOSDIS Land Processes DAAC, <https://doi.org/10.5067/ASTER/ASTGTM.003>

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Wetland & waterbody classification is based on the dataset produced for the Dynamic World Project by National Geographic Society in partnership with Google and the World Resources Institute.

****Catchment & Sub-Catchment Map with Replenishment Projects**

PRI Karnal (RSL), Haryana

Catchment Area: Kanpur catchment area drains into the Yamuna River and its tributaries. The catchment area covers an area of approximately 3,500 square kilometers and is home to over 2 million people

- **River Basin Classification:** Ganga River basin
- **Water Stress:** **Extremely High Risk**
- **Built to Date:** **2**
- Water Withdrawal in 2022-23 21
- Water Withdrawal in 2023-24 25
- Total Potential Created till date Exit 2024 21

- Structures Created in 2023-24 **0**

FUTURE PLAN:

Achieve 2X Water Positivity

- Potential Targeted 2024-25 **50**
- Structures Planned for 2024-25 **TBD**

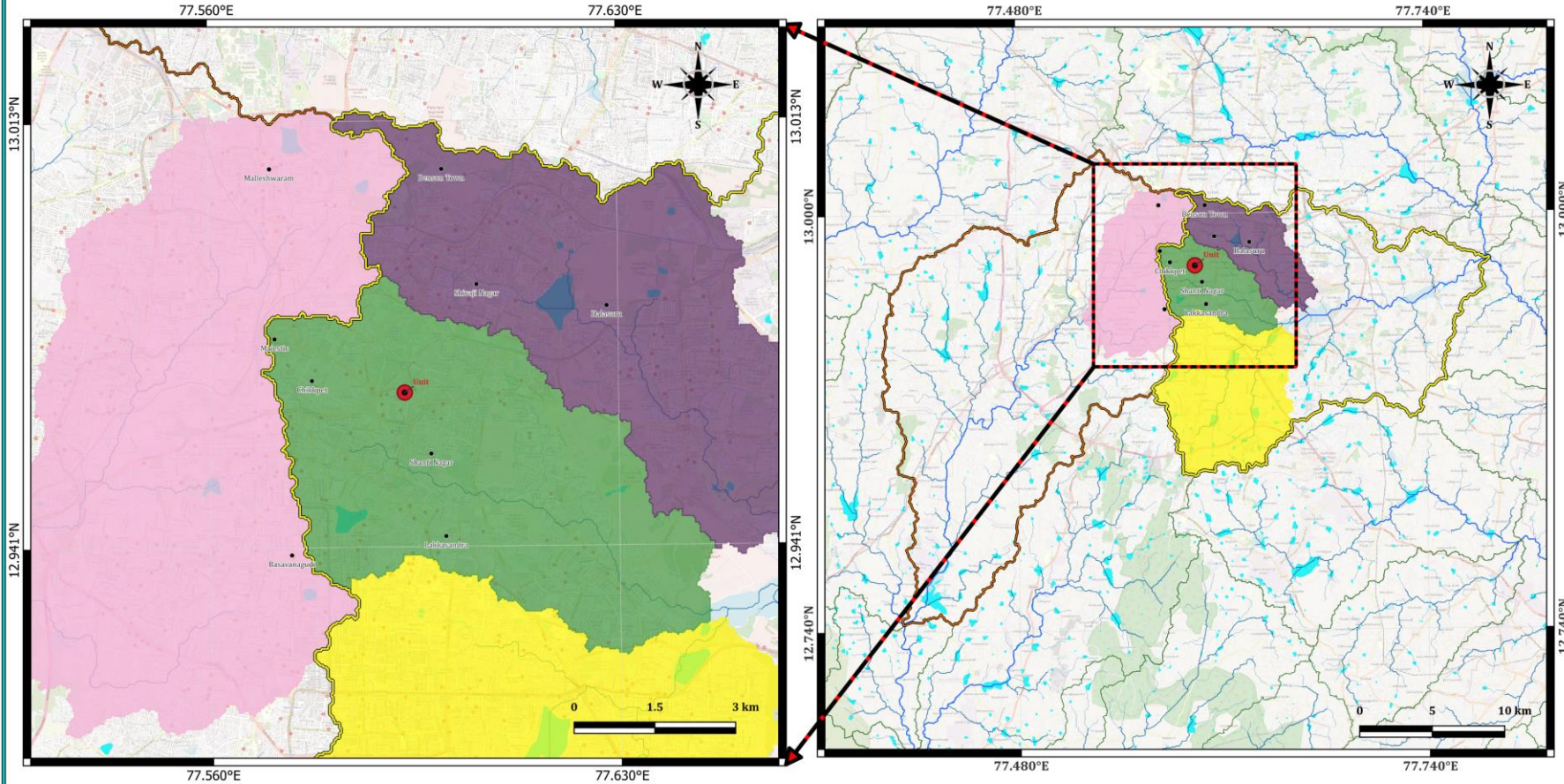
0.8X
Water
positive

Type of Structures	FY 22-23
farm ponds	2
Total	2

** PIs note the site is in EHR & is not water positive. The unit has been included in the planned water Projections for FY 2024-25.

PRI Bangalore (UBL), Karnataka

PRIP, BANGALORE UNIT: CATCHMENT AND SUBCATCHMENTS MAP



LEGEND

- Unit
- Settlements
- Project Catchment (PC)
- Subcatchment PC-A
- Subcatchment PC-B
- Subcatchment PC-C
- Adjacent Catchment (AC)
- Subcatchment AC-A
- Nearby Catchment
- Rivers
- Intermediate streams
- Start streams
- Wetland & Water bodies

Elevation data source: Shuttle Radar Topography Mission (SRTM) 1 Arc-Second Global.

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****Catchment
& Sub-
Catchment Map
with
Replenishment
Projects**

PRI Bangalore (UBL), Karnataka

Catchment Area: Kanpur catchment area drains into the Yamuna River and its tributaries. The catchment area covers an area of approximately 3,500 square kilometers and is home to over 2 million people

- | | |
|---|---------------------|
| • River Basin Classification: | Ganga River basin |
| • Water Stress: | Extremely High Risk |
| • Built to Date: | |
| • Water Withdrawal in 2022-23 | 25 |
| • Water Withdrawal in 2023-24 | 20 |
| • Total Potential Created till date Exit 2024 | 0 |
| • Structures Created in 2023-24 | 0 |

FUTURE PLAN

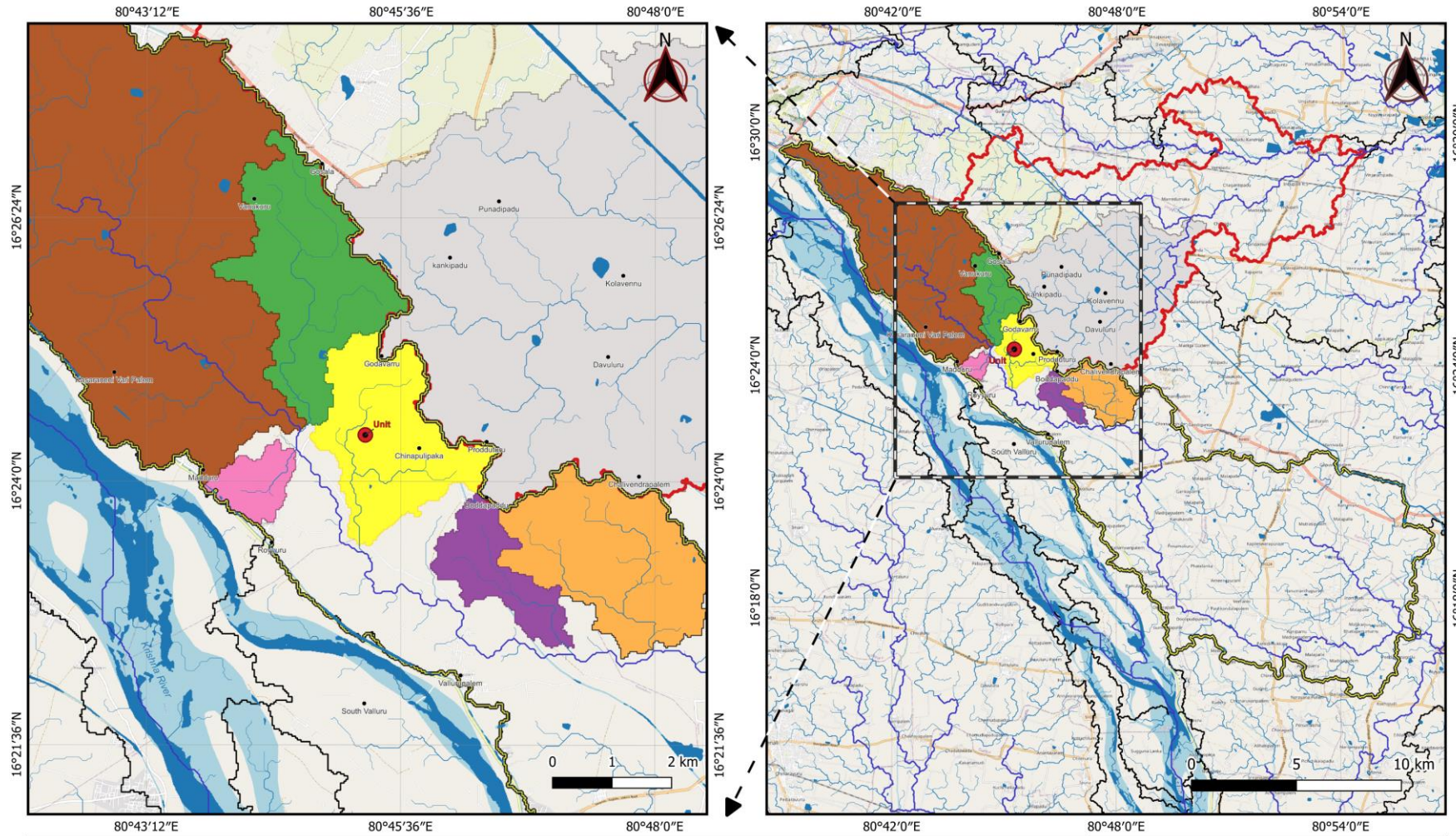
- | | |
|----------------------------------|-----|
| • Potential Targeted 2024-25 | 40 |
| • Structures Planned for 2024-25 | TBD |

Achieve 2X Water Positivity

0.5X
Water Positive

**** Pls note the site is in EHR & is not water positive. The unit has been included in the planned water Projections for FY 2024-25.**

PRI Vijaywada (BVS), Andhra Pradesh



Legend

- | | | | |
|-------------------|------------------------|------------------------|-------------------------|
| Unit | Waterbodies / Wetlands | Project Catchment (PC) | Subcatchment PC-E |
| Settlements | Rivers | Subcatchment PC-A | Subcatchment PC-F |
| Nearby catchments | Intermediate steams | Subcatchment PC-B | Adjacent Catchment (AC) |
| | Start streams | Subcatchment PC-C | Subcatchment AC-A |
| | | Subcatchment PC-D | |

Elevation data source: Shuttle Radar Topography Mission (SRTM) 1 Arc-Second Global

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Wetland & waterbody classification is based on the dataset produced for the Dynamic World Project by National Geographic Society in partnership with Google and the World Resources Institute.

****Catchment & Sub-Catchment Map with Replenishment Projects**

PRI Vijaywada (BVS), Andhra Pradesh

- **River Basin Classification:**
- **Water Stress:** Extremely High Risk
- **Built to Date:**
- Water Withdrawal in 2022-23 2
- Water Withdrawal in 2023-24 7
- Total Potential Created till date Exit 2024 0
- Structures Created in 2023-24 0

FUTURE PLAN

- Potential Targeted 2024-25 14
- Structures Planned for 2024-25 TBD

0.0X
Water
positive

**** Pls note the site is in EHR & is not water positive. The unit has been included in the planned water Projections for FY 2024-25.**

PRI Jubilee Bottlers (JBPL), Orissa

• River Basin Classification:	Watershed map to be Created
• Water Stress:	Extremely High Risk
• Built to Date:	0
• Water Withdrawal in 2022-23	
• Water Withdrawal in 2023-24	4.3
• Total Potential Created till date Exit 2024	0
• Structures Created in 2023-24	0
FUTURE PLAN	Achieve 2X Water Positivity
• Potential Targeted 2024-25	40
• Structures Planned for 2024-25	TBD

**** Pls note the site is in EHR & is not water positive. The unit has been included in the planned water Projections for FY 2024-25.**



Way forward!

*Watershed
Stewardship
and
Watershed
action*

Get the 3 Own Sites Certified by



COMPREHENSIVE ACTION & CERTIFICATION ON:



GOOD WATER GOVERNANCE



SUSTAINABLE WATER BALANCE



GOOD WATER QUALITY STATUS

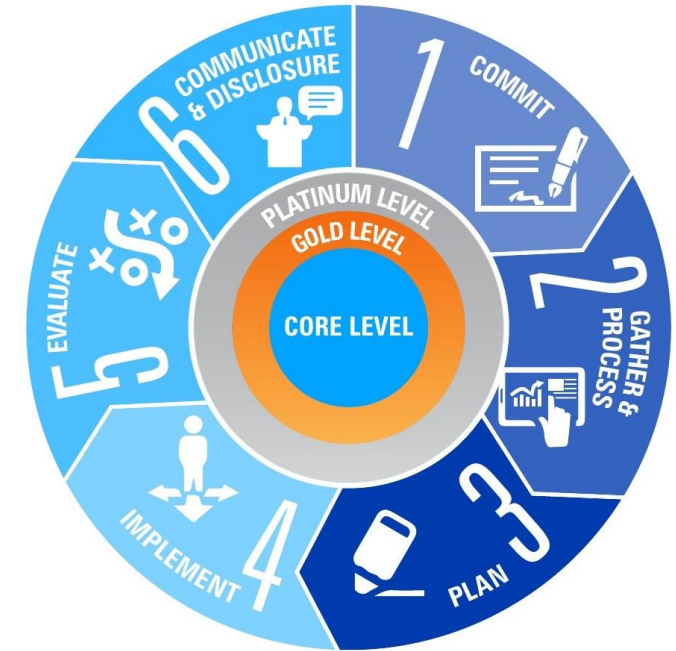


IMPORTANT WATER-RELATED AREAS



SAFE WATER, SANITATION AND HYGIENE FOR ALL (WASH)

Stewardship : The use of water that is socially and culturally equitable, environmentally sustainable and economically beneficial, achieved through a stakeholder-inclusive process that involves site-and catchment-based actions.



CORE AND ADVANCED LEVEL WATER STEWARDSHIP: AWS Core: 0 – 39 points, AWS Gold: 40 – 79 points, AWS Platinum: 80 or more points

Each criterion in the Standard has the associated symbol or symbols representing the outcome to which fulfilment of the criterion will contribute.

Criteria	KPIs
Gather & Understand	8
Commit & Plan	4
Implement	9
Evaluate	4
Communicate & Disclose	5

3 Sites Registered : Nashik, Derabassi(Rocky) & Behror

action plan

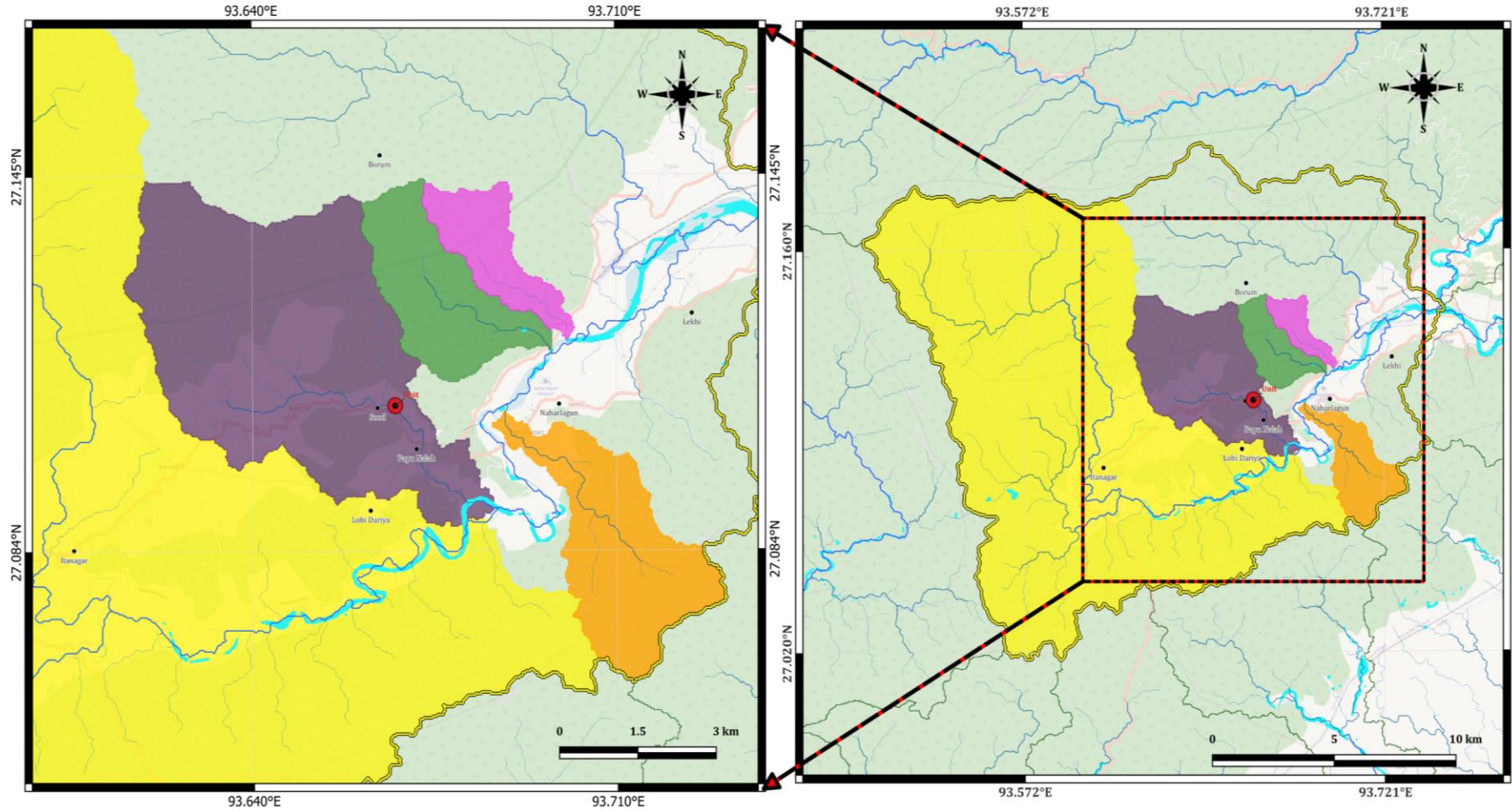
Theme	Lagging KPIS	B25	B26	B27	leading KPIS
Water Beyond Operations	% of water replenished in watersheds in high and extremely high-risk areas	Additional 5 units for high and extremely high watersheds Bangalore, Karnal, Chomu, Jubilee, Vijayvada	Sustenance for 17 EH & High Risk watersheds	Sustenance in 17 sites.	Count of water structures and potential created

**To align with PRI India's commitment to the MAK-08 Pillar, we are prioritizing water positivity initiatives in high-risk watershed areas. These efforts target regions with severe water scarcity, aiming to improve water resilience through strategic interventions. This year, we have identified specific sites within extremely high-risk watersheds and will focus our resources on these areas. By implementing targeted water-positive initiatives, we intend to address the unique water challenges of these regions, contributing to both local water sustainability and broader environmental goals.

(Low-Medium Risk Sites)

Watersheds Mapped - No
Immediate Action required

PRI United Brothers (UBD). Arunachal Pradesh



LEGEND

- Unit
- Settlements
- Project Catchment
- Nearby Catchment
- Rivers
- Intermediate streams
- Start streams
- Wetland & Water bodies
- Subcatchments**
- Subcatchment C
- Subcatchment D
- Subcatchment E
- Subcatchment A
- Subcatchment B

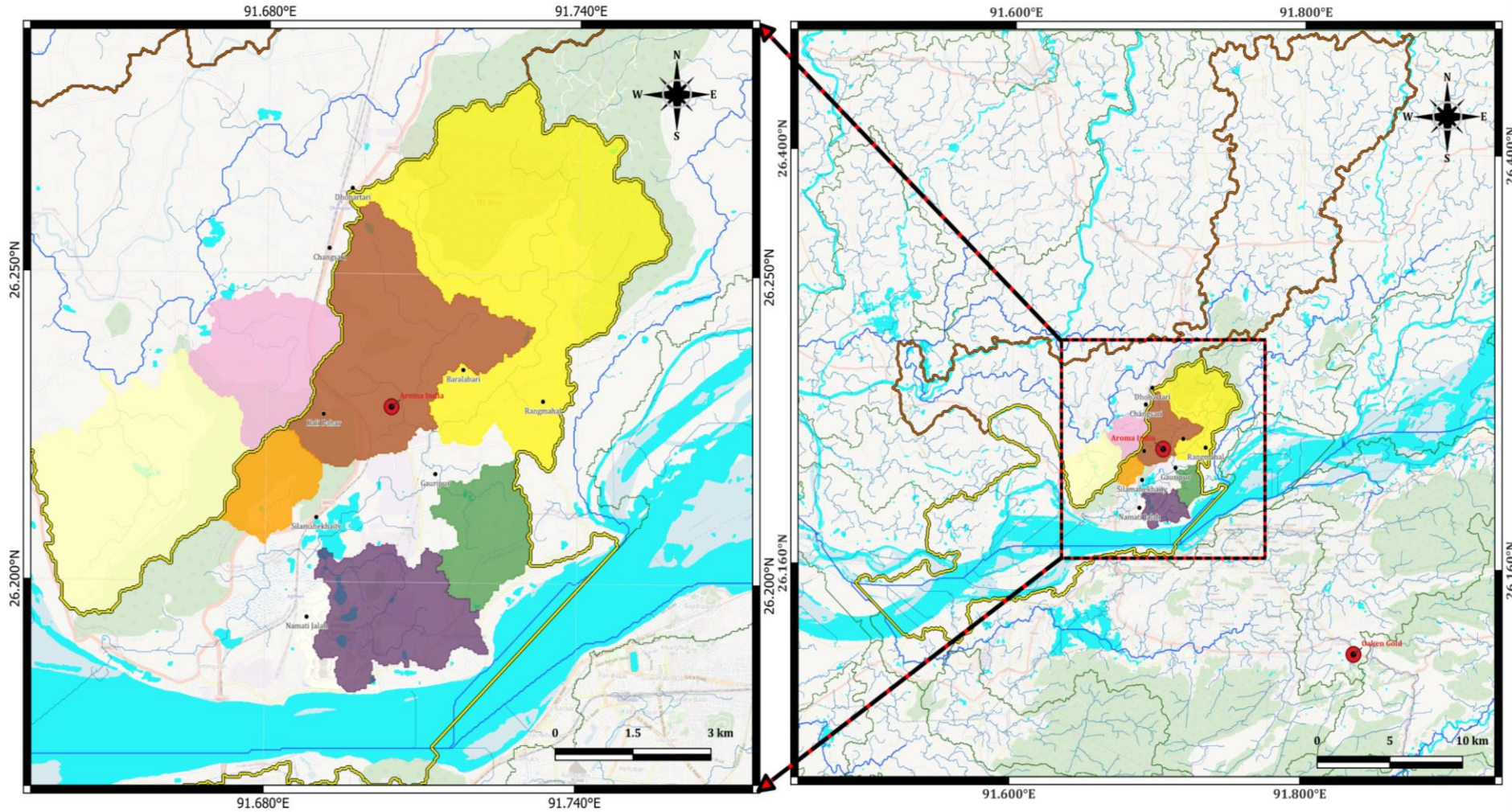
Elevation data source: Shuttle Radar Topography Mission (SRTM) 1 Arc-Second Global.

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****Catchment
& Sub-
Catchment Map
with
Replenishment
Projects**

PRI Aroma Guwahati (AIL), Assam



LEGEND

- Units
- Settlements
- Project Catchment (PC)
- Subcatchment PC-A
- Subcatchment PC-B
- Subcatchment PC-C
- Subcatchment PC-D
- Subcatchment PC-E
- Adjacent Catchment (AC)
- Subcatchment AC-A
- Subcatchment AC-B
- Nearby Catchment
- Rivers
- Intermediate streams
- Start streams
- Wetland & Water bodies

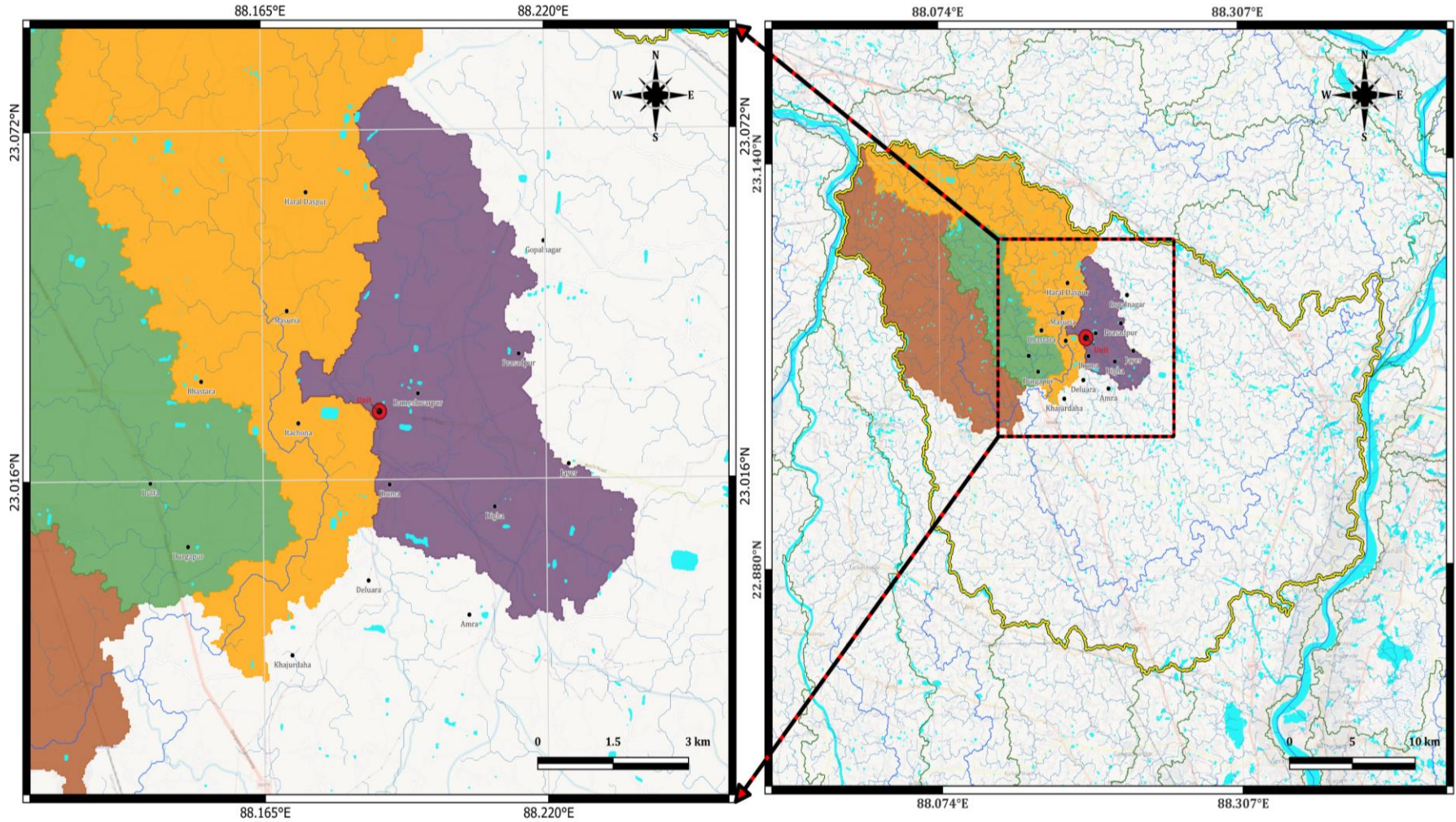
Elevation data source: Shuttle Radar Topography Mission (SRTM) 1 Arc-Second Global.

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****Catchment
& Sub-
Catchment Map
with
Replenishment
Projects**

PRI Leade (LLM) , West Bengal



LEGEND

- | | | | | |
|-------------|-------------------|----------------------|------------------------|----------------|
| Unit | Project Catchment | Rivers | Wetland & Water bodies | Subcatchment B |
| Settlements | Nearby Catchment | Intermediate streams | Subcatchments | Subcatchment C |
| | | Start streams | Subcatchment A | Subcatchment D |

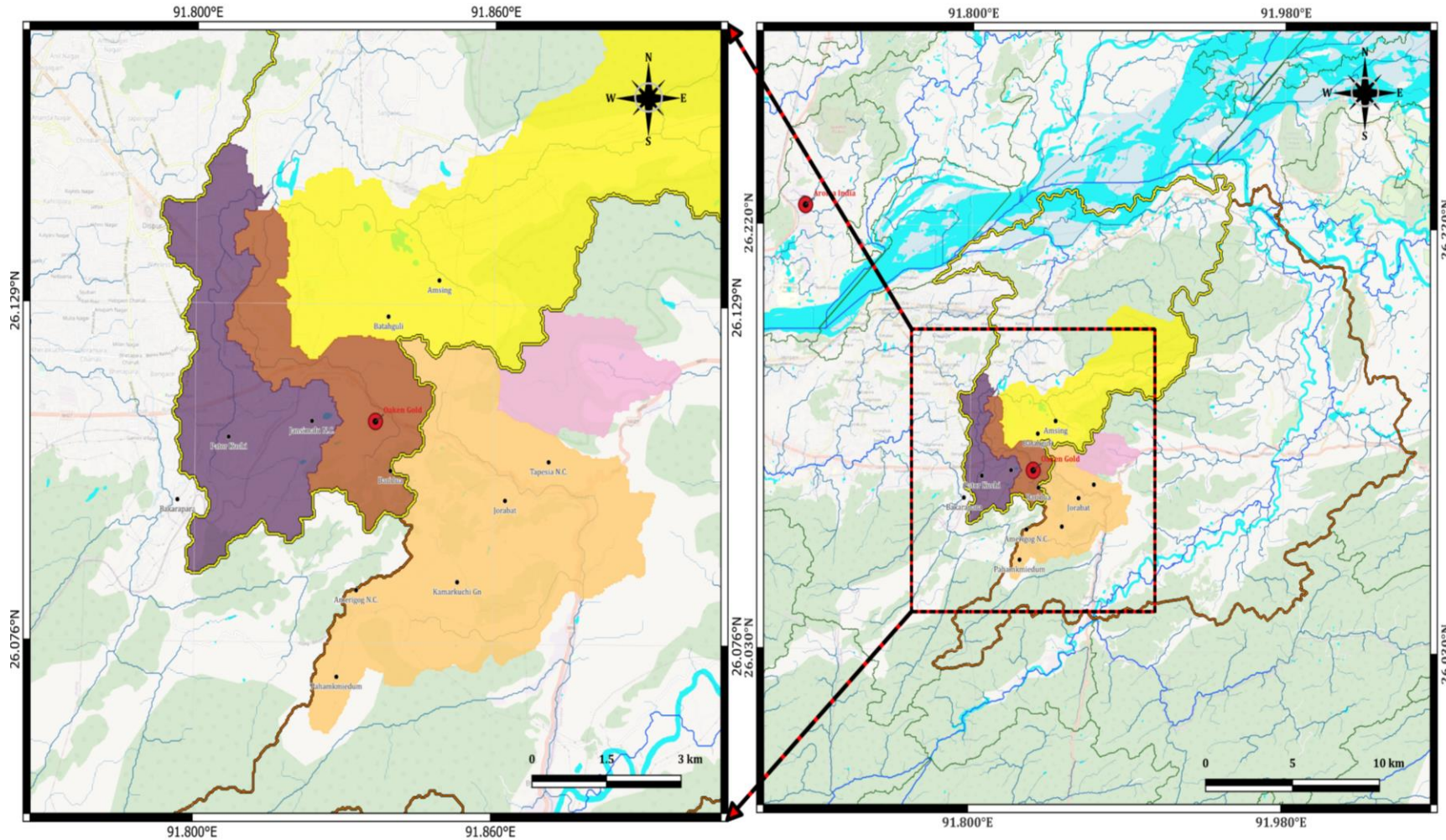
Elevation data source: Shuttle Radar Topography Mission (SRTM) 1 Arc-Second Global.

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****Catchment
 & Sub-
 Catchment Map
 with
 Replenishment
 Projects**

PRI Oaken gold (OGP), Meghalaya



LEGEND

- Units
- Settlements
- ▭ Project Catchment (PC)
- ▭ Subcatchment PC-A
- ▭ Subcatchment PC-B
- ▭ Subcatchment PC-C
- ▭ Adjacent Catchment (AC)
- ▭ Subcatchment AC-A
- ▭ Subcatchment AC-B
- ▭ Nearby Catchment
- Rivers
- Intermediate streams
- Start streams
- Wetland & Water bodies

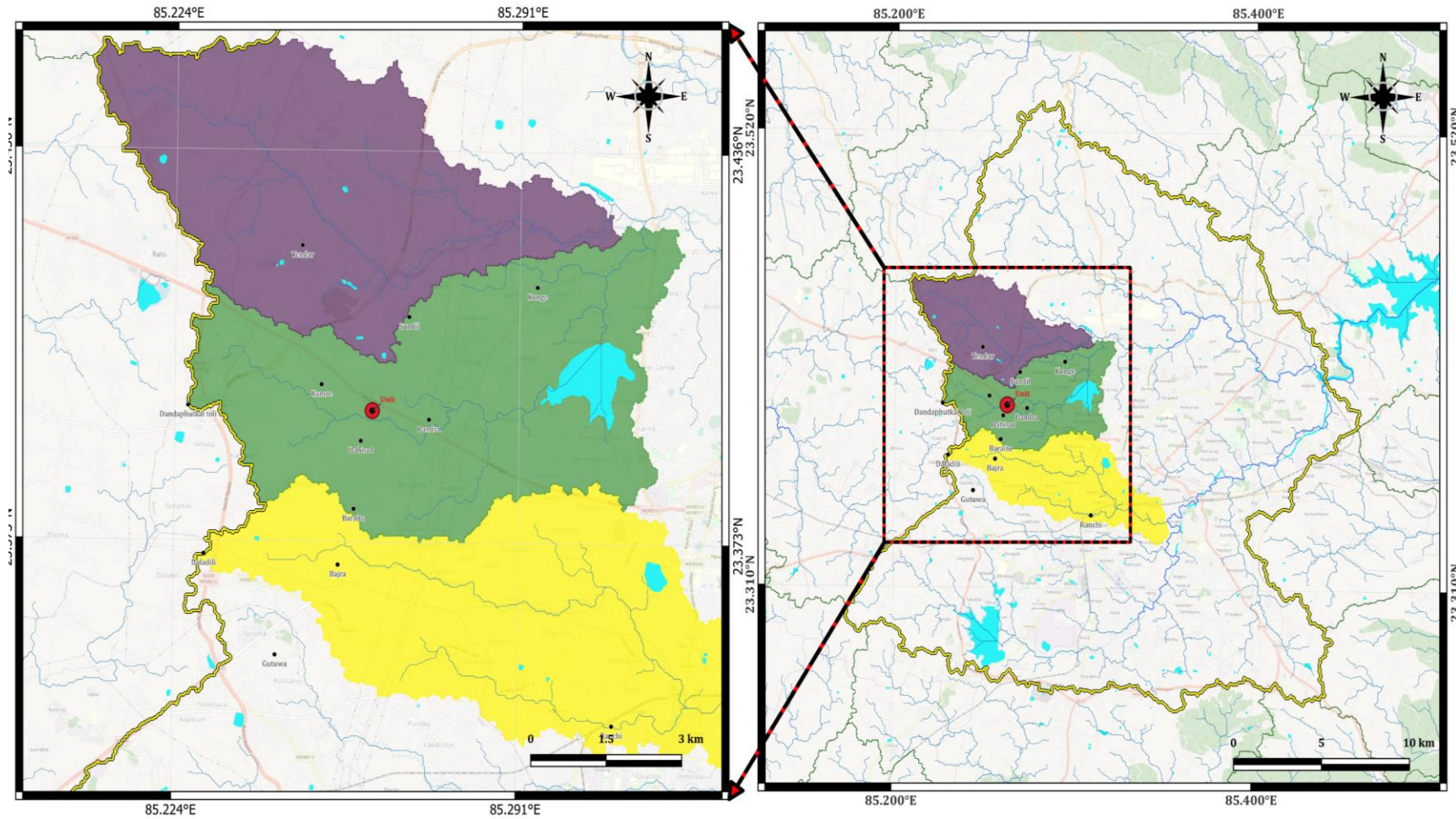
Elevation data source: Shuttle Radar Topography Mission (SRTM) 1 Arc-Second Global.

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****Catchment
& Sub-
Catchment Map
with
Replenishment
Projects**

PRI Silica (SBB), Jharkhand



LEGEND

- | | | | | |
|---|--|--|--|--|
| ● Unit | Project Catchment | — Rivers | Wetland & Water bodies | Subcatchment B |
| • Settlements | Nearby Catchment | — Intermediate streams | Subcatchments | Subcatchment C |
| | | — Start streams | Subcatchment A | |

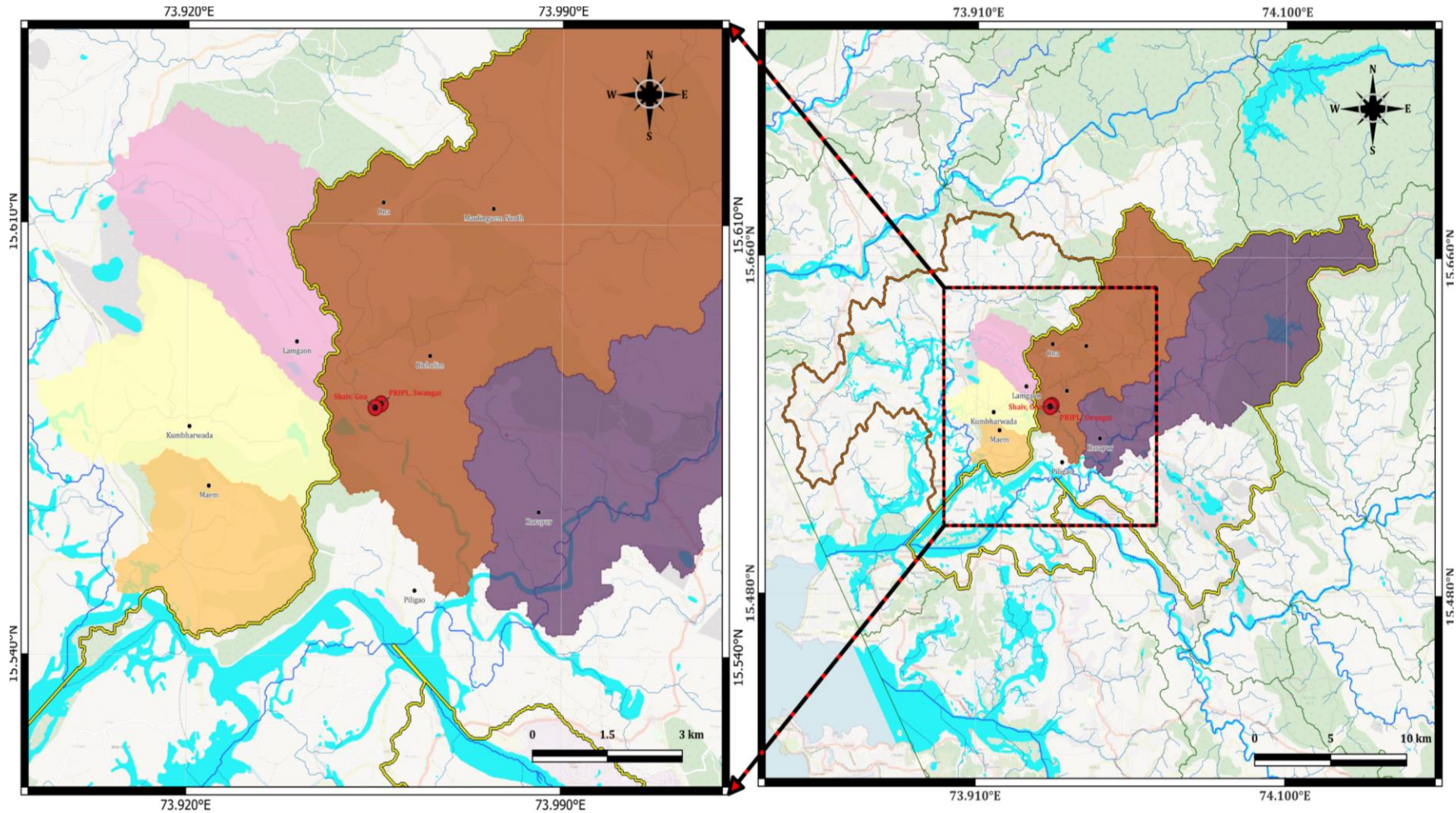
Elevation data source: NASA/METI/AIST/Japan Space Systems, and U.S./Japan ASTER Science Team. ASTER global digital elevation model V003, 2018, distributed by NASA EOSDIS Land Processes DAAC, <https://doi.org/10.5067/ASTER/ASTGTM.003>.

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****Catchment
& Sub-
Catchment Map
with
Replenishment
Projects**

PRI Shriv (SHV), Goa



LEGEND

- Unit
- Settlements
- Project Catchment (PC)
- Adjacent Catchment (AC)
- Subcatchment AC-C
- Subcatchment PC-A
- Subcatchment AC-A
- Nearby Catchment
- Subcatchment PC-B
- Subcatchment AC-B
- Rivers
- Intermediate streams
- Start streams
- Wetland & Water bodies

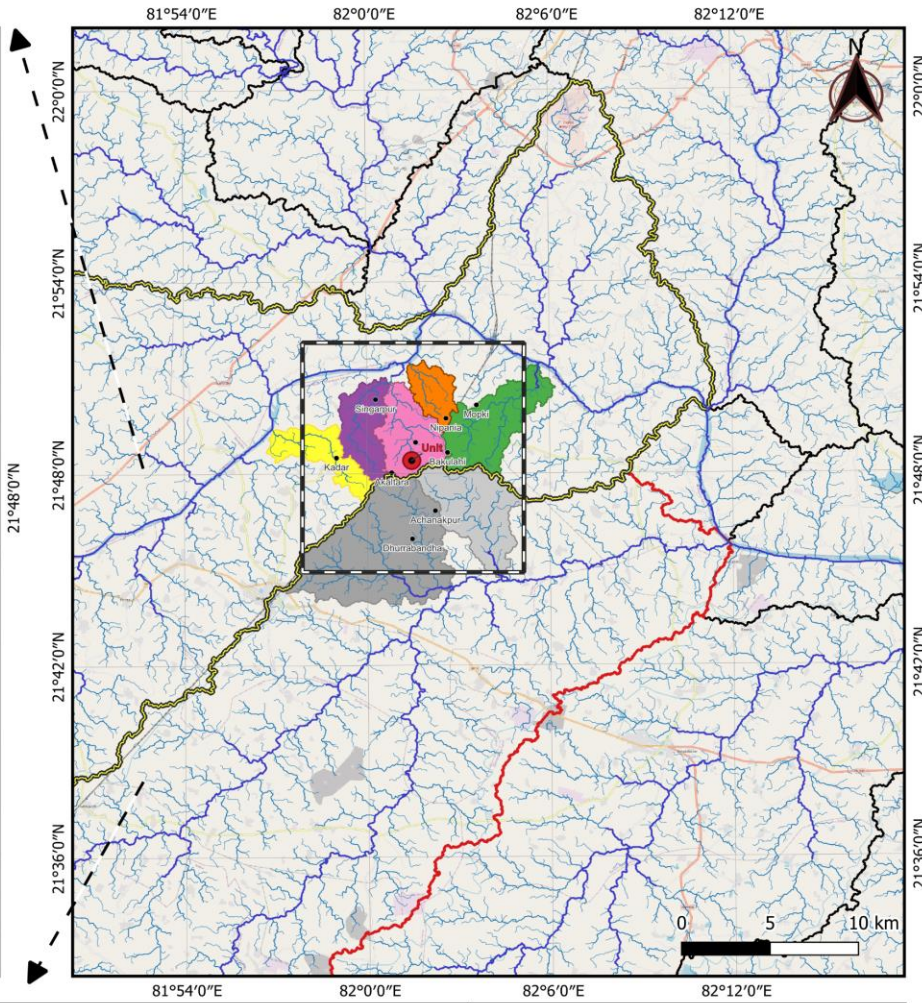
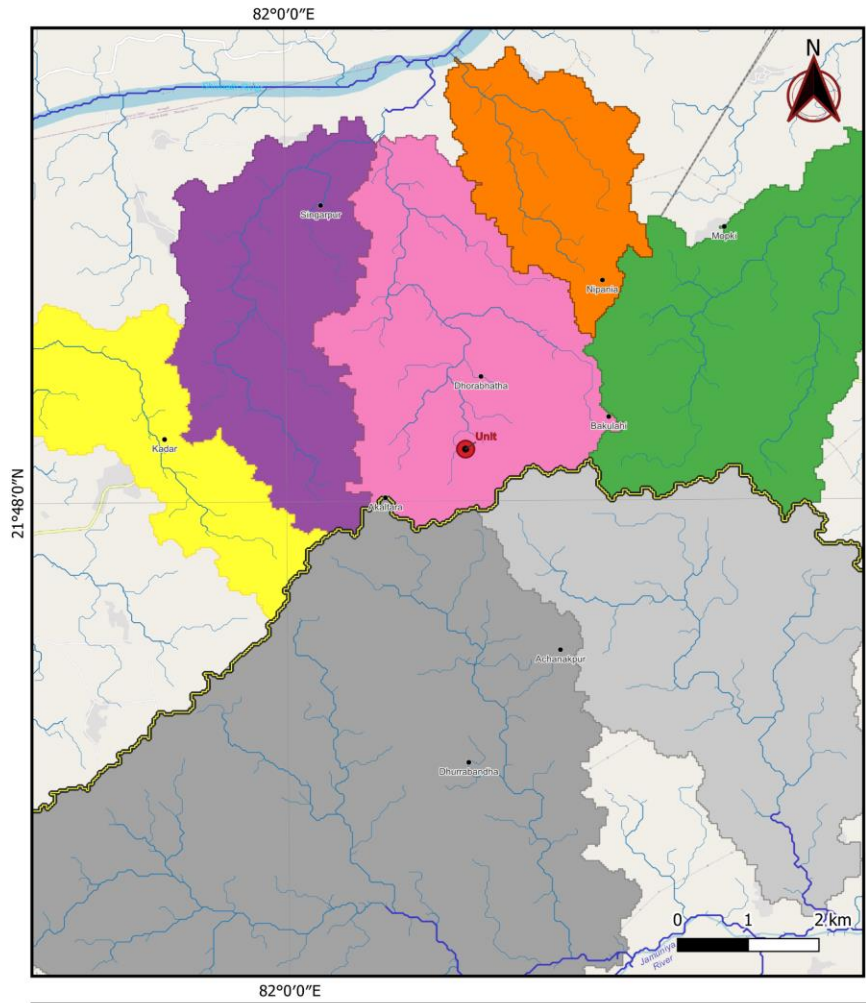
Elevation data source: Shuttle Radar Topography Mission (SRTM) 1 Arc-Second Global.

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****Catchment
& Sub-
Catchment Map
with
Replenishment
Projects**

PRI Bilaspur (BWL), Chhattisgarh



Legend			
● Unit	■ Waterbodies	□ Project Catchment (PC)	□ Adjacent catchment (AC)
• Settlements	— Rivers	□ Subcatchment PC-A	□ Subcatchment AC-A
□ Nearby catchment	— Intermediary streams	□ Subcatchment PC-B	□ Subcatchment AC-B
	— Start streams	□ Subcatchment PC-C	
		□ Subcatchment PC-D	
		□ Subcatchment PC-E	

Elevation data source: Shuttle Radar Topography Mission (SRTM) 1 Arc-Second Global

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Wetland & waterbody classification is based on the dataset produced for the Dynamic World Project by National Geographic Society in partnership with Google and the World Resources Institute.

****Catchment & Sub-Catchment Map with Replenishment Projects**

Glossary

Actual Recharge	Basis all variables taken into account by DNV in their assessment methodology, actual recharge represents the amount of water put back in the watershed by a specific structure (whether storage or recharge), given different conditions in a specific year (here, FY21-22).	Sub-Catchment	Any distinct part of a catchment. Dividing a catchment to sub-catchment or hillslope scales allows for better scrutiny of the changes in spatial distribution of rainfall, soil attributes and plant cover across the catchment.
Catchment/Watershed/Drainage Basin	Area of land where all of the precipitation that falls, less the water lost to evaporation and deep aquifer recharge, eventually flows to a single outlet. A watershed encompasses both surface and subsurface components of water drainage that contribute to stream discharge.	Water Leakage of Potential	Water leakage is considered as the difference between the potential claimed by NGO partners and the potential estimated by DNV
Outside the Fence Water Balance	All water withdrawn directly in our operations in the PRI fence, is replenished within the plant "fence" area.	Water Leakage of Actual	Difference between the potential estimated by DNV, and the actual water harvesting that has happened in the year of the assessment
Potential as per Partners	Estimation of the water replenished within the watershed as per the implementation partners for each structure. Please note that, working with different NGOs, all used different methodology for these calculations.	Water Risk	Using the "Overall Water Risk" Index (from WRI, Aquaduct tool), Pernod Ricard assessed each production site and categorise as "Extremely High", "High", "Medium" & "Low" risk. Extremely High Risk sites have a specific water management strategy
Potential Recharge	Estimation of the water replenished, given ideal conditions (such as rainfall, structure maintenance etc.) for each structure.	Water Scarcity	Water scarcity is the lack of freshwater resources to meet the standard water demand. Here, when talking of water scarcity, we only mean physical and not economical.
Recharge Structures	Method of augmenting the natural movement of surface water into groundwater reservoir with some civil construction techniques. Monsoon in India lives for a short period of about three months in a year. This period may not produce sufficient water to infiltrate into the ground and replenish the high depleted amount. Artificial recharge techniques enhance the sustainability of groundwater sources during the lean season.	Water Stewardship	Using water in a way that is socially equitable, environmentally sustainable and economically beneficial. This is achieved through a stakeholder inclusive process that involves site and catchment-based actions.
Savings Structures	Refers to the technologies, practices and measures (here called interventions) that result in the reduction in consumption and/or in non-recoverable fraction	Watershed Leakage	Defined in this context as the difference between structures (and their recharge potential) that were considered by partners as to be within the watershed vs. the structures (and their recharge potential) that are actually within PRIPL watersheds, as per the PwC assessment realized in August 2022
		Watershed Positive	Watershed positive is calculated as the difference between the water use by production sites, vs. the water replenished within the site catchment. To be watershed positive, PRIPL needs to recharge more groundwater than its production use.
		Within the Fence Water Balance	All water withdrawn directly in our operations in the PRI fence, is replenished outside the plant "fence" area – typically, in nearby villages.

Thank you!