BEFORE THE NATIONAL GREEN TRIBUNAL, PRINCIPAL BENCH, NEW DELHI

(M.A No. 137 of 2024)

In

(Original Application No. 584 of 2022)

IN THE MATTER OF:

Durga Prasad Yadav & Ors. ..... **Applicant**

Versus

State of Uttar Pradesh & Ors. ..... **Respondents**

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ANUBHAV ANAND ARON, ABHINAV ANAND
(Advocates for the Respondent No.5)
A-901, Apex Golf Avenue, Sector-1,
Greater Noida (West), U.P. – 201 306
Mob: 9811764256, 9582416270
Email: abhinav.legal@gmail.com

Place: NEW DELHI
Date: 7/4/2025

(1)

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(M.A. No. 137 of 2024)

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Durga Prasad Yadav & Ors. ..... Applicant

Versus

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ADDITIONAL COMPLIANCE REPORT FILED BY THE RESPONDENT NO.5 /PROJECT PROPONENT i.e. M/S AMRIT BOTTLERS PVT. LTD.

MOST RESPECTFULLY SHEWETH:

1. That this Hon'ble Tribunal has disposed off the captioned Original Application being O.A. No. 584 of 2022 tilled as *"Durga Prasad Yadav & Ors. Vs. State of Uttar Pradesh & Ors."* vide its Judgement dated 22.12.2023.

2. That this Hon'ble Tribunal, vide its Judgement dated 22.12.2023, was pleased to note that the Respondent No.5 is a compliant unit and is operating its unit with all the necessary permissions, licenses, Consent to Operate and/or No Objection Certificates (NOCs). That this Hon'ble Tribunal, vide its Judgement dated 22.12.2023, was pleased to further note that the Respondent No.5 is duly following all the directions /guidelines issued time & again by the statutory authorities and is following all the law which are necessary to operate the industry.

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3. That, however, this Hon'ble Tribunal, vide its said Judgement dated 22.12.2023, has issued certain directions which are contained in Para No.38 to Para No.44 of the said Judgement dated 22.12.2023 passed by this Hon'ble Tribunal. That this Hon'ble Tribunal, vide its said Judgement dated 22.12.2023, has further directed to file an Action Taken Report with respect to the aforesaid direction issued by this Hon'ble Tribunal within three months.

4. That in compliance with the directions issued by this Hon'ble Tribunal, vide its said Judgement dated 22.12.2023, the Respondent No.5 has filed an Action Taken Report on 21.03.2024. That the Respondent No.5 in its aforesaid Action Taken Report filed on 21.03.2024 provided the compliance status with respect to Installation of Nano- filtration unit, Verification of Rain water harvesting projects, Verification of Plantation, Plantation activities in areas in the vicinity of the unit and surrounding nearby areas, CSR activities for the kind perusal of this Hon'ble Tribunal. That the Respondent No.5 carve leave & indulgence of this Hon'ble Tribunal that the contents of the aforesaid Action Taken Report filed by the Respondent No.5 on 21.03.2024 may be read as part & parcel of this present Compliance Report and the same are not repeated herein for the sake of brevity.

5. That, moreover, the Respondent No.3 i.e. UPPCB has also filed its Compliance Report on 21.03.2024 before this Hon'ble Tribunal, which is available on the web-site of this Hon'ble Tribunal. That a perusal of the aforesaid Compliance Report dated 21.03.2024 filed by the Respondent No.3

verifies the compliances done by the Respondent No.5 as mentioned in the aforesaid Action Taken Report filed by the Respondent No.5 on 21.03.2024.

6. That, thereafter, the captioned matter came up for hearing before this Hon'ble Tribunal on 17.12.2024. That this Hon'ble Tribunal, vide Order dated 17.12.2024, directed the Respondents to file their detailed compliance reports /responses with all requisite details and supporting documents.

7. That in compliance of the directions issued by this Hon'ble Tribunal vide its Order dated 17.12.2024, the Respondent No.5 has filed a detailed Compliance Report on 31.01.2025. That the Respondent No.5, in its aforesaid Compliance Report dated 31.01.2025, once again provided the compliance status with respect to Installation of Nano-filtration unit, Verification of Rain water harvesting projects, Verification of Plantation, Plantation activities in areas in the vicinity of the unit and surrounding nearby areas, CSR activities for the kind perusal of this Hon'ble Tribunal. That further, the Respondent No.5, in its aforesaid Compliance Report dated 31.01.2025, has also provided the detailed progress of CSR activities carried out by Respondent no. 5 in the field of Health, Education, Skill Development, Solid waste management, Rain water harvesting, Plantation in community areas and Donations for the kind perusal of this Hon'ble Tribunal. That the Respondent No.5 carve leave & indulgence of this Hon'ble Tribunal that the contents of the aforesaid Compliance Report filed by the Respondent No.5

(4)

on 31.01.2025 may be read as part & parcel of this present Compliance Report and the same are not repeated herein for the sake of brevity.

8. That the Respondent No.4 i.e. District Magistrate, Ayodhya has also filed its detailed Compliance Report dated 31.01.2025 and the Respondent No.3 i.e. Uttar Pradesh Pollution Control Board (UPPCB) has also filed its detailed Compliance Report dated 13.02.2025 before this Hon'ble Tribunal, which are available on the web-site of this Hon'ble Tribunal. That a perusal of both the aforesaid Compliance Reports filed by the Respondent No.3 i.e. Uttar Pradesh Pollution Control Board (UPPCB) and Respondent No.4 i.e. District Magistrate, Ayodhya verifies the compliances done by the Respondent No.5 as mentioned in the Compliance Report filed by the Respondent No.5 on 31.01.2025.

9. That thereafter, the captioned matter came up for hearing before this Hon'ble Tribunal on 07.03.2025. That this Hon'ble Tribunal, vide Order dated 07.03.2025, appreciated the measures taken by the Respondent No.5 for complying with the order passed by this Hon'ble Tribunal. That this Hon'ble Tribunal, vide its said Order dated 07.03.2025, has directed the Respondent Nos. 1, 4 and 5 to file additional responses covering all the directions /observations made in the judgment at least two days before the next date of hearing fixed.

10. That in compliance with the directions issued by this Hon'ble Tribunal vide its said Order dated 07.03.2025, the

(5)

Respondent No.5 is filing this present Additional Compliance Report. That the Respondent No.5 carve leave & indulgence of this Hon'ble Tribunal that this present Additional Compliance Report may be treated in continuation and part & parcel of the previous Compliance Report filed by the Respondent No.5 on 31.01.2025 before this Hon'ble Tribunal.

11. **Details of the Ponds adopted and Recharge Shafts constructed by the Respondent No.5**:

(a) That the Respondent No.5 has adopted 25 ponds in nearby villages. That the details of the ponds adopted by the Respondent No.5 are as under:

S. No.	Pond Name	Village
1.	Bargadhia Talab	Palia Village
2.	Bharwa Talab	Bhaigani Village
3.	Khudwa Talab	Bhaigani Village
4.	Tajan Talab	Sarwan Village
5.	Vali Talab	Sari Village
6.	Amila Talab	Makdampur Village
7.	Jairambaba Talab	Urmarupipur Village
8.	Miyatara Talab	Bhadosara Village
9.	Holtara Talab	Sevra Village
10.	Bauna Talab	Alipur Khajuri Village
11.	Dhara Talab	Sari Village
12.	Kaithanwa Talab	Tendha Village
13.	Bhokri Talab	Sindhauna Village
14.	Khoncha Talab	Sindhauna Village
15.	Khulastara – 1, Talab	Sindhauna Village
16.	Khulastara – 2, Talab	Sindhauna Village

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17.	Sagara Talab	Jamuha Village
18.	Kuberi Talab	Vaishya Village
19.	Acharka Talab	Niyamatpur Village
20.	Shukal Ka Talab	Niyamatpur Village
21.	Panbharia Talab	Sohan Saloni Village
22.	Banjani Talab	Parsawa Village
23.	Tara Talab	Parsawa Village
24.	Mahadevan Talab	Parsawa Village
25.	Marha Nadi	Jalapur Mafi Village

(b) That the Respondent No.5 has retained Mainstay Development Consultants, Secunderabad, Telangana for the restoration, development and maintenance of the said ponds. That firstly the desilting and augmentation of the said ponds is done. That the desilting of the pond increases the depth of the pond by 2-3 meters, which increases the storage capacity and rate of infiltration to ground water aquifer. That, thereafter, recharge shafts are constructed which further increases the rate of ground water recharge. That benefits of the aforesaid process is as under:

(i) Increases the depth of the pond by 2-3 meters, which increases the storage capacity of the pond;

(ii) Increases rate of infiltration to ground water aquifer;

(iii) Reduces water runoff and sediment erosion;

(iv) Drinking water facility for cattle and wildlife;

(v) Local employment opportunity during construction and maintenance.

Copy of the *"Summary Report on Rain Water Harvesting Review and Verification of Replenish Projects as of the exit year 2023"* issued by the Mainstay Development

(7)

Consultants, Secunderabad, Telangana is annexed as **Annexure: R5/A**. Copies of the detailed Project Reports related to the 25 ponds adopted by the Respondent No.5 are collectively annexed as **Annexure: R5/B (Colly)**.

12. **Details of Plantation done by the Respondent No.5:** That the total land area of the industrial unit of the Respondent No.5 is 24 acres approximately. That during the financial years 2023 – 23 & 2023 – 24 the Respondent No.5 has planted approximately 24,000 plants (general plantation) and done Miyawaki plantation as approximately 3500 sq. meter area on the total land area of 8 acres at Gosainganj, Ayodhya (Photographs are already attached as Annexure: H (Colly) along-with Compliance Report filed by Respondent No.5 on 31.01.2025). That apart from the above, during the financial years 2024 – 25 the Respondent No.5 has also planted 8,000 plants (general plantation) on the total land area of 3 to 3.5 acres at Dabhasemar, Ayodhya (Photographs are already attached as Annexure: H (Colly) along-with Compliance Report filed by Respondent No.5 on 31.01.2025).

13. **Details of the Ambulance Purchased by the Respondent No.5:** That apart from the above the Respondent No.5 has also purchased an Ambulance bearing Registration No. UP42CT1942, Registration date 07.07.2021. That the said Ambulance of the Respondent No.5 remains at the factory premises along-with designated driver and is available 24 x 7 on call for the employees of the Respondent No.5 as well as for the general public. Copy of the *"Registration Certificate"* of the Ambulance purchased by the Respondent No.5 is

annexed as **Annexure: R5/C**. Copy of the *"Policy Schedule Cum Certificate of Insurance"* of the Ambulance purchased by the Respondent No.5 is annexed as **Annexure: R5/D**. Photograph of the Ambulance purchased by the Respondent No.5 is annexed as **Annexure: R5/E**.

14. That this Hon'ble Tribunal, in Para – 11 of its Order dated 07.03.2025 has observed that the CSR funds meant for health, education and environmental management programmes have been utilised for other purposes. That the relevant portion of the said Para – 11 of the Order dated 07.03.2025 passed by this Hon'ble Tribunal is incorporated hereinbelow for the ready reference of this Hon'ble Tribunal:

"11 ..... We find that CSR funds meant for health, education and environmental management programmes have been utilised for other purposes which diversion has to be viewed seriously".

15. That in this regard it is submitted that a perusal of Para – 44 of the Judgment dated 22.12.2023 passed by this Hon'ble Tribunal shows the enlisted activities to be carried out under CSR by the Respondent No.5. That the relevant portion of the said Para – 44 of the Judgment dated 22.12.2023 passed by this Hon'ble Tribunal is incorporated hereinbelow for the ready reference of this Hon'ble Tribunal:

"44 We are of the considered that preferably such activities must be carried out in the area around the project. Activities involving infrastructure creation for drinking water supply, sanitation, health, education, skill development, roads, cross drains, electrification including solar power, solid waste

(9)

management facilities, scientific support and awareness to local farmers to increase yield of crop and fodder, rain water harvesting, soil moisture conservation works, avenue plantation, plantation in community areas, etc. ought to have been carried out in the area around the project....."

16. That the Respondent No.5, in its aforesaid Action Taken Report filed on 21.03.2024 as well as in its aforesaid Compliance Report filed on 31.01.2025 before this Hon'ble Tribunal, has submitted activity wise details of CSR activities carried out by the Respondent No.5. That a perusal of the same shows that the CSR activities carried out by the Respondent No.5 included Health, Education, Skill Development Programme, Solid Waste Management, Rain Water Harvesting, Plantation.

17. That, therefore, the CSR activities carried out by the Respondent No.5 are in synchronization with the activities enlisted in Para – 44 of the Judgment dated 22.12.2023 passed by this Hon'ble Tribunal. That the Respondent No. 5 has carried out the CSR activities strictly in accordance with the activities enlisted in Para – 44 of the Judgment dated 22.12.2023 passed by this Hon'ble Tribunal and, therefore, there is no diversion of CSR funds to any specific activity at the cost of other activities.

18. That the aforesaid facts shows that the Respondent No.5 has complied the directions issued by this Hon'ble Tribunal vide its Judgment dated 22.12.2023 as well as Order dated 17.12.2024

(10)

PRAYERS:

In the facts and circumstances as stated above, it is therefore, most respectfully prayed that this Hon'ble Tribunal may graciously be pleased to:

(i) Kindly take note of the submissions made by the Respondent No.5 in its present Additional Compliance Report and consider the compliances made /actions taken by the Respondent No.5 in compliance to the directions issued by this Hon'ble Tribunal, vide its Judgement dated 22.12.2023 as well as Order dated 17.12.2024, as submitted by the Respondent No.5 in its present Additional Compliance Report;

(ii) Pass such other/further order(s) as this Hon'ble Tribunal may deem fit and proper in the facts & circumstances of the case.

Amrit Bottlers Pvt. Ltd.

RESPONDENT NO.5
(M/S AMRIT BOTTLERS PVT. LTD.)
THROUGH

ANUBHAV ANAND ARON, ABHINAV ANAND
(Advocates for the Respondent No.5)
A-901, Apex Golf Avenue, Sector-1,
Greater Noida (West), U.P. – 201 306
Mob: 9811764256, 9582416270
Email: abhinav.legal@gmail.com

Place: NEW DELHI
Date: 7/4/2025

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BEFORE THE NATIONAL GREEN TRIBUNAL,

PRINCIPAL BENCH, NEW DELHI

(M.A NO. 137 OF 2024) IN
(Original Application No. 584 of 2022)

IN THE MATTER OF:

Durga Prasad Yadav & Ors. ..... **Applicant**

Versus

State of Uttar Pradesh & Ors. ..... **Respondents**

AFFIDAVIT

I, Arjun Das Vaswani aged about 60 years S/o Sh. Khattu Mal Vaswani working as Head - Administration with M/s Amrit Bottlers Pvt. Ltd. having its manufacturing Unit at: Chandpur Harbans, Allahabad Road, P.O. – Dabhasemar, District – Ayodhya, Faizabad, U.P. – 224 133 (the Respondent No.5 herein) do hereby solemnly affirm state as under:-

1. That I am working as Head - Administration with ***M/s Amrit Bottlers Pvt. Ltd.*** (the Respondent No.5 herein) and I am well conversant with the facts of the case, as such I am competent to swear this affidavit.
2. That the accompanying Additional Compliance Report has been drafted by my Counsel under my instruction and the content of the same have not been repeated herein for the sake of brevity and the same may kindly be read as part and parcel of the present Affidavit.
3. That I have read and understood the content of the accompanying Additional Compliance Report and present Affidavit and the same are true and correct to my knowledge and nothing material has been concealed there from.

DEPONENT

VERIFICATION:

Verified at Faizabad on this 05 day of 04 2025 that the contents of the above affidavit are true and correct to the best of my knowledge and belief. No part of it is false and nothing material has been concealed therefore.

DEPONENT

The Deponent Arjun Das Vaswani identified by Sri ... Presented this affidavit ... The contents ... explained ... on oath Hence verified ... Oath Commission of ...

Identified by me
Anirudh ... Adv
05/04/25

ANNEXURE-5/A

Mainstay Development Consultants
YOUR SUSTAINABILITY PARTNER

Sustainability
Social Development and Strategy
Social Impact and Social Research
Water and Environment

(12)

Summary Report on Rain Water Harvesting Review and Verification of Replenish Projects as of the exit year 2023

This is to inform you that, M/s Mainstay Development Consultants Pvt. Ltd., have been retained by M/s Amrit Bottlers Private Limited, Faizabad to conduct reassurance for various Water Replenish projects.

Further to the above, this activity has been undertaken during the year 2023 as per the criteria provided by Coca-Cola India and Southwest Asia Operational Unit (OU) and TCCC applicable to Benefits Estimation of Water Replenishment projects and are as per reference document is known as "KORE document for water replenish OU-SR-035." During this exercise, conducted a detailed review of all available documents related to project ownership, design documents, present efficacy of the project and current maintenance status, stringent quality control norms, and applicable scientific tools were used to arrive at benefits estimation.

In the year 2023, the twenty-five projects are assessed and were found to be reportable (Annexure-I), and Factsheets are presented in Annexure-II as a separate file.

CERTIFICATION

By signing, I certify that the information contained in this Summary Report for Water Replenishment Reassurance for M/s Amrit Bottlers Private Limited, Faizabad, is accurate and complete to the best of my knowledge, information, and belief. This report has been prepared in fulfillment of the requirements of Standard (OU-SR-035), and OU-RQ-035-PRG Water replenish assurance process requirements. I hereby approve it for submission.

Certified and signed on 23rd February 2024
for Mainstay Development Consultants Pvt. Ltd.

VALLAPUDAS JAYA JACOB VIJAYA BHASKAR
Digitally signed by VALLAPUDAS JAYA JACOB VIJAYA BHASKAR
Date: 2024.03.13 07:58:36 +05'30'

Dr. Vijay Bhaskar
Chief Executive Officer

(13)

Mainstay Development Consultants
YOUR SUSTAINABILITY PARTNER

WATER REPLENISHMENT REASSURANCE SUMMARY REPORT -2023

Annexure – I

List of Projects Assessed (Exit-2023)

Sl.no	Pond Name	Project ID	Rainfall		Recharge		Remarks
			Old	New	Old	New	
1	Bargadhia Talab, Palia Village	UPS123(a)	863	1016.8	1,695	2,355	Recharge Increased
2	BharwaTalab, BhaiganiVillage	UPS123(a)	863	1016.8	1,544	1,503	Recharge Decreased
3	Khudwa Talab, Bhaigani Village	UPS123(a)	863	1016.8	11,940	16,597	Recharge Increased
4	Tajan Talab, Sarwan Village	UPS123(a)	863	1016.8	2,110	2,933.22	Recharge Increased
5	Vali Talab, Sari Village	UPS401	1000	1033.3	33,915	33,915	Recharge is constant
6	Amila Talab, Makdampur Village	UPS123(a)	863	1016.8	2311	3211.5	Recharge Increased
7	Jairambaba Talab, Urmarupipur Village	UPS402	1000	1033.3	10,260	10,140	Recharge Decreased
8	Miyatara Talab, Bhadosara Village	UPS403	1000	1033.3	13,680	12,840	Recharge Decreased
9	Holtara Talab, Severa Village	UPS404	1000	1033.3	17,100	16,620	Recharge Decreased
10	Bauna Talab, Alipur Khajuri Village	UPS405	1000	1033.3	21,304	21,030	Recharge Decreased
11	Dhara Talab, Sari Village	UPS406	1000	1033.3	5,700	5,700	Recharge is constant
12	Kaithanwa Talab, Tendha Village	UPS408	1000	1033.3	20,550	20,550	Recharge is constant

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13	Bhokri Talab, Sindhauna Village	UPS409	1000	1033.3	13,462	13,462	Recharge is constant
14	Khoncha Talab, Sindhauna Village	UPS410	1000	1033.3	14,808	14,808	Recharge is constant
15	Khulastara-I Talab, Sindhauna Village	UPS411	1000	1033.3	9,300	9,300	Recharge is constant
16	Khulastara-I Talab, Sindhauna Village	UPS412	1000	1033.3	9,300	9,300	Recharge is constant
17	Sagara Talab, Jamuha Village	UPS415_F(b)	1034.8	1033.3	10,050	10,050	Recharge is constant
18	Kuberi Talab, Vaishya Village	UPS415_F(c)	1034.8	1033.3	20,169	20,169	Recharge is constant
19	AcharKa Talab, Vaishya Village	UPS415_F(d)	1034.8	1033.3	27,456	27,456	Recharge is constant
20	Shukal Ka Talab, Niyamatpur Village	UPS415_F(e)	1034.8	1033.3	14,625	14,625	Recharge is constant
21	Panbharia Talab, Sohan Saloni Village	UPS415_F(f)	1034.8	1033.3	6,300	6,300	Recharge is constant
22	Banjani Talab, Parsawa Village	UPS415_F(g)	1034.8	1033.3	10,080	10,080	Recharge is constant
23	Tara Talab, Parsawa Village	UPS415_F(h)	1034.8	1033.3	25,500	25,500	Recharge is constant
24	Mahadevan Talab, Parsawa Village	UPS415_F(i)	1034.8	1033.3	9,576	9,576	Recharge is constant
25	Marha Nadi, Jalapur Mafi Village	UPS 416	1034.8	1033.3	182,565	182,565	Recharge is constant

ANNEXURE: R3B(colly)

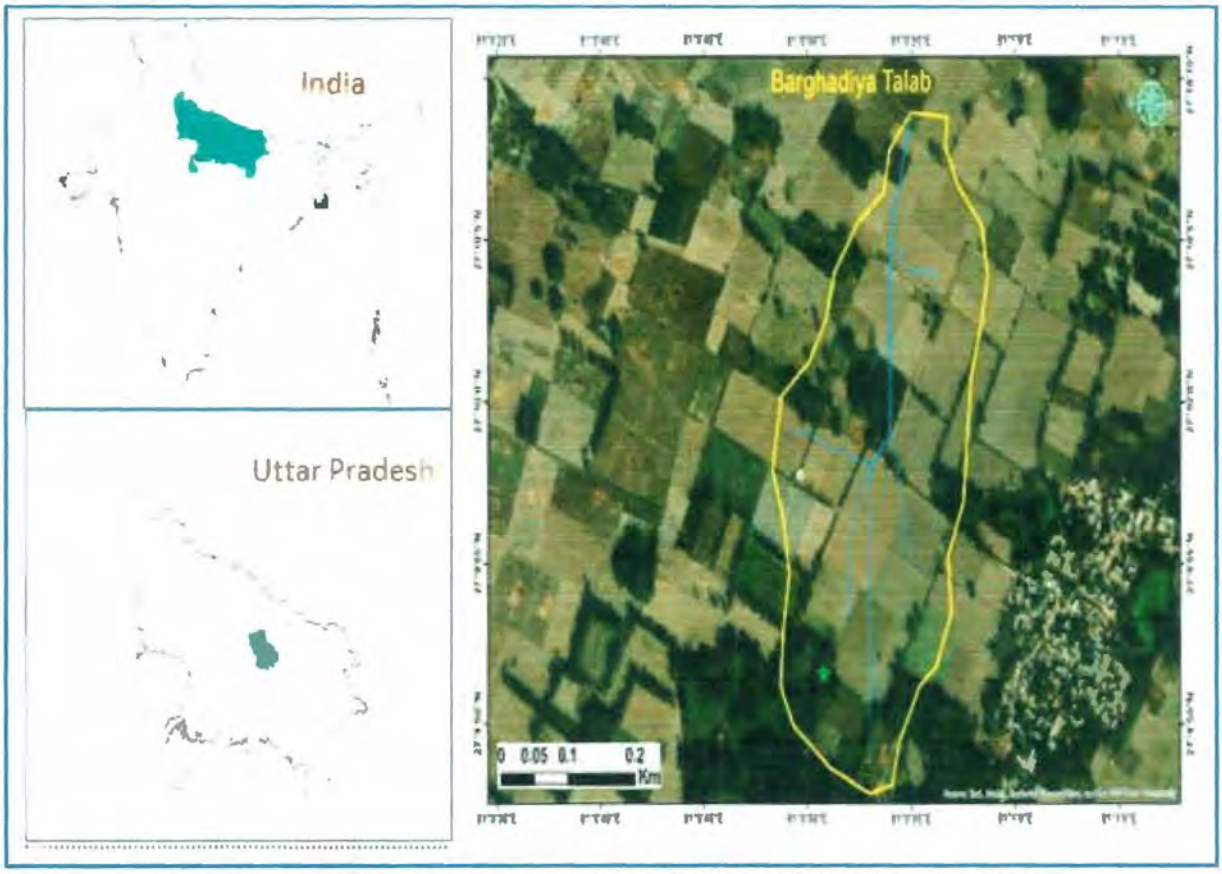
PROJECT NAME: Pond de-silting and restoration

PROJECT ID #: UPS123(a)

DESCRIPTION OF ACTIVITY: De-silting and restoration of silted ponds in the villages

LOCATION: Bargadhia Talab, Palia Village, BarabankiDistrict, Uttar Pradesh, India.

Project Location	Distance in KM away from ABPL plant	Watershed	Longitude	Lattitude
BharwaTalab, BhaiganiVillage	149km	Outside the plant operating watershed	81.014111°	27.164333°



Location of RWH structure implemented by ABPL, Uttar Pradesh

PRIMARY CONTACTS:

Bottiling Unit
Umesh C Joshi
QSE Manager
Amrit Bottlers Pvt. Ltd.,
Faizabad, Uttar Pradesh, India
Phone: +91-9554953181
umeshjoshi@cocacolafzd.com

Operating Unit
Gopu T Rao
Hydrogeologist
Coca-Cola India Pvt. Limited
Gurgaon, India
Phone: +91-9740951234
gorao@coca-cola.com

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SITE VISIT CONDUCTED BY: Mr. Thogaru Rajesh. Mainstay Development Consultants Pvt. Ltd, Secunderabad

The field validation is conducted on 21st to 23rd December 2023 along with Mr. Umesh C Joshi, QSE Manager, Mr. Jitendra, Environmental coordinator ABPL.

OBJECTIVES:

- Harvesting rainwater runoff and recharging local aquifers
- Provide source water for irrigation and domestic during monsoon and non-monsoon seasons
- Positively contribute to the rejuvenation of micro-climatic conditions

BACKGROUND & ACTIVITY DESCRIPTION:

Traditionally in the past, Indian farmers have managed ponds and developed small water bodies in localized depressions to collect water that is used for domestic and irrigation. However, over the years the ponds got silted up due to a lack of de-siltation practices and maintenance. Coca-Cola India and its bottling partners have identified such ponds and local water bodies for de-siltation, rejuvenation, and augmentation, by using appropriate technology options that are suitable to local topographical/hydrogeological conditions. Such rejuvenated ponds recharge local aquifers, by re-charging old tubes and dug wells during the monsoon period and providing water for domestic and irrigation for communities.

The project activity involves two steps 1) Identification of silted ponds in Villages; 2) Desilting and augmentation of the pond to increase the storage capacity and rate of infiltration to groundwater aquifer. The villagers are benefiting as a result of these activities. The projects are maintained annually.

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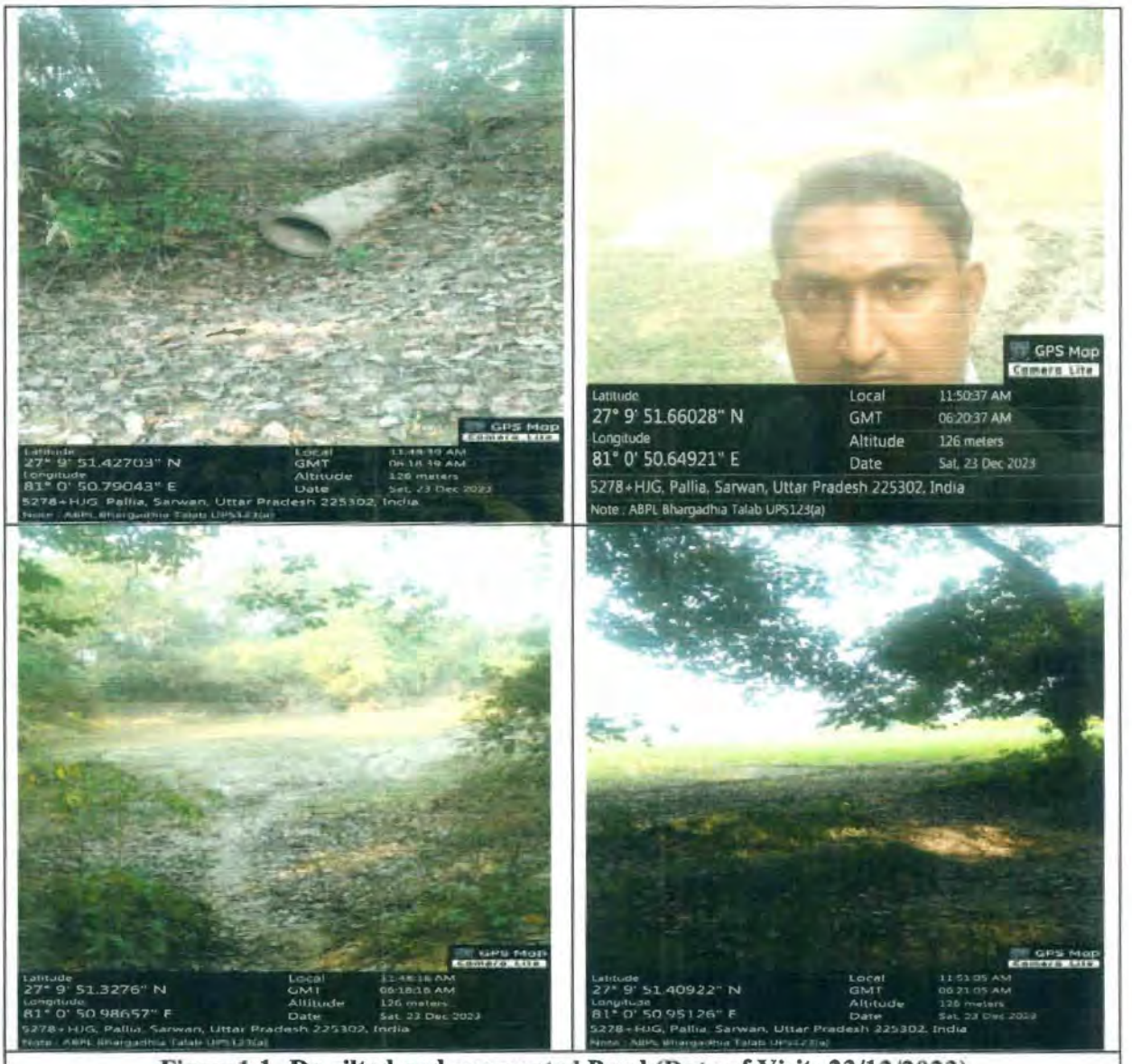

Figure1.1- De-silted and augmented Pond (Date of Visit: 23/12/2023)

SUMMARY OF REPLENISH BENEFIT:

- 2023 COCA-COLA REPLENISH BENEFIT AS A FUNCTION OF COST-SHARE: 2,355KL/YR

ACTIVITY TIMELINE:

- Project initiated on 10th Dec 2009
- The project was completed on 30th May 2010 and was fully operational in 2010

COCA-COLA CONTRIBUTION: 100% for the project

Total project cost: 0.002MnUSD TCCC contributions:

The project is funded and implemented by Coca-Cola bottlers in the local community.

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WATERSHED BENEFITS CALCULATED:

- Increased groundwater recharge.

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1. INCREASED INFILTRATION

Approach & Results

The replenish benefit is calculated as the volume of water recharged to the aquifer. The recharge volume is equal to the minimum of supply and available storage (after accounting for evaporative and usage losses).

The volume of water available for aquifer recharge is estimated separately for each pond by calculating the supply of available runoff from the catchment according to the equation below:
Supply (m^3) = Catchment Area (m^2) x Annual Rainfall (m) x Catchment Coefficient

The supply from the catchment is compared to the available storage of the ponds. Storage potential was estimated by considering the number of times the ponds will fill to maximum volume. It was conservatively assumed that each pond can potentially be filled two times (in cases of hard rock sub-surface geology) or three times (in cases of soft rock sub-surface geology) its volume annually. The volume of water captured by the ponds is estimated as the minimum of supply and available storage (after accounting for usage and evaporation losses of storage potential).

Table 1. Dimensions of the pond/tank area of the check dam/Pond/any other.

State	Check Dam/Pond Location/any other	Avg. Length (m)	Avg. Width (m)	Avg. Depth (m)	Pond Volume (m3)
Uttar Pradesh	Khudwa Talab	37	26	2.45	2,355

Table 2. Summary of check dam characteristics and estimated recharge volume

State	Location of Project	Catchment Area (Sq.km)	Annual Rainfall (mm)	Supply Volume (m3/yr.)	Storage Potential (m3)	Total Recharge Volume (m3/yr.)
Uttar Pradesh	Khudwa Talab	0.05	1016.8	3813.00	2,355	2,355

The total estimated replenish benefit from the ponds is provided below:

- Benefit (increase in recharge):2,355KL/yr.
- The total (ultimate) water quantity benefit is 2,355KL/yr.
- TCCC total (ultimate) benefit taken as a function of cost-share is 2,355KL/yr.

The current (2023) benefit and projected benefits are based on the total benefit, adjusted to account for the implementation schedule and TCCC cost share. These are presented below.

2023 Replenish Benefit

The 2023 benefit is the performance-based benefit from this activity as of the end of the calendar year 2023. The total 2023 benefit is 2,355KL/yr. and TCCC's benefit (adjusted for cost-share) is 2,355KL/yr.

Projected Water Quantity Benefits Summary

Table 3 shows the projected benefits that this activity will provide if the project remains in productive service. All projected benefits will be verified by TCCC before they are reported as actual benefits. The benefits are scaled for the implementation schedule in the second column and scaled further for the TCCC cost share in the third column.

Table 3: Shows the Projected Water Quantity Benefits Summary

Year	Total Benefit (KL/yr.)	Adjusted for TCCC Cost Share (KL/yr.)
2023	2,355	2,355
2024	2,355	2,355
2025	2,355	2,355
Ultimate Benefit:	2,355	2,355

Data Sources

- Data on pond volumes, catchment areas, and rainfall were provided by the **Amrit Bottlers Pvt. Ltd., Faizabad.**

Maintenance Status

- The project has completed a decade which is possibly accumulated with siltation deposit, leading to reduced storage capacity and recharge potential, it is recommended to de-siltation and bund strengthening before the onset of monsoon to continue to claim the full benefit of the project.

Assumptions

- The ponds are maintained properly. This includes annually clearing the pond before the arrival of monsoon rain.

OTHER BENEFITS NOT QUANTIFIED

- Local employment opportunities during construction and maintenance
- Facilitates Drinking water for cattle and wildlife.
- Reduce runoff and sediment erosion and creates water storage facilities.

NOTES

- Awareness building programs for the community on water replenishment projects is important and sharing benefits to stakeholders on yearly basis goes as best practice.

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REFERENCES

1. Manual on artificial recharge of groundwater, CGWB 2007
2. Replenish Assurance Processes and Documentation Requirements "supplemental KORE Requirements" KORE documents OU-SR-035
3. OU-RQ-035-PRG Water replenishes assurance process requirements
4. https://ingres.iith.ac.in/gecdataonline/gis/INDIA

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(21)

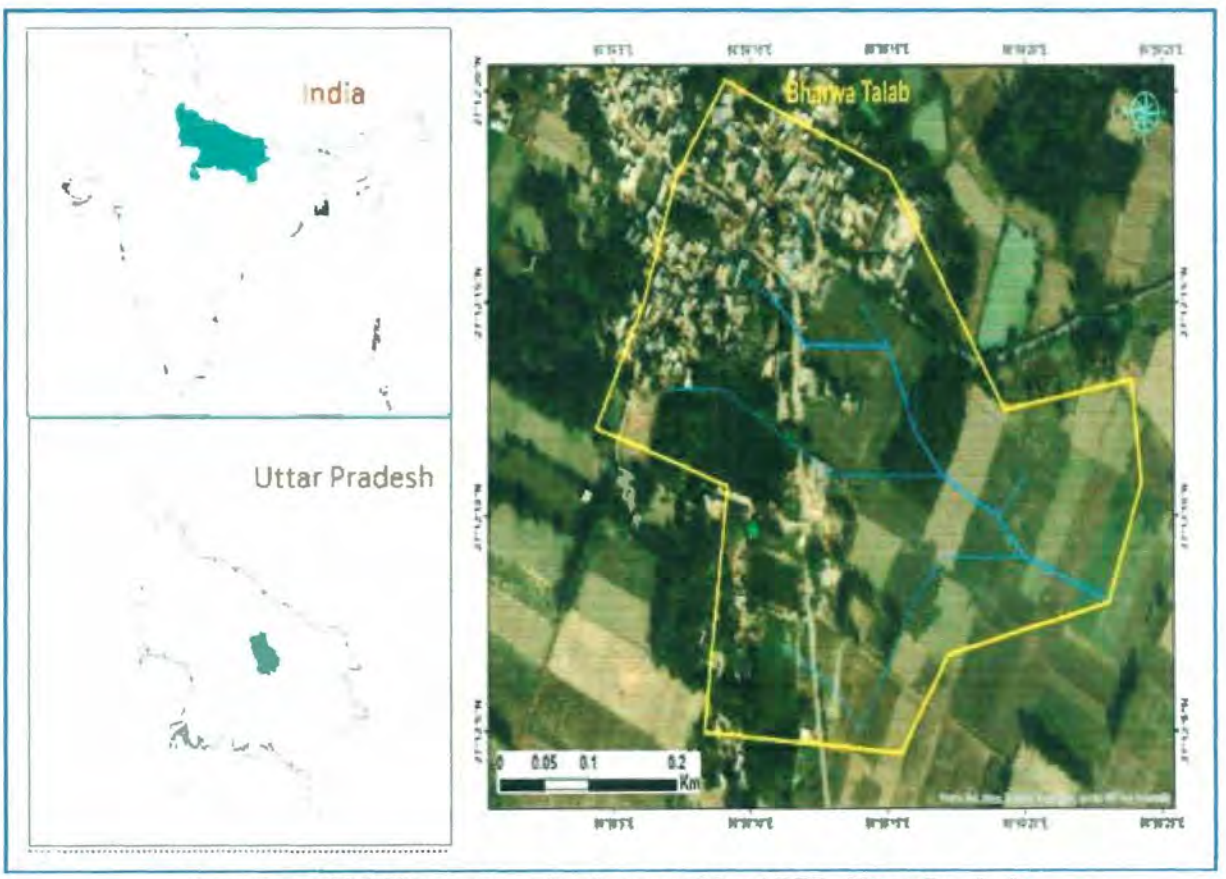
PROJECT NAME: Pond de-silting and restoration

PROJECT ID #: UPS123(a)

DESCRIPTION OF ACTIVITY: De-silting and restoration of silted ponds in the villages

LOCATION: BharwaTalab, BhaiganiVillage, BarabankiDistrict, Uttar Pradesh, India.

Project Location	Distance in KM away from ABPL plant	Watershed	Longitude	Lattitude
BharwaTalab, BhaiganiVillage	155 km	Outside the plant operating watershed	80.986139°	27.202694°



Location of RWH structure implemented by ABPL, Uttar Pradesh

PRIMARY CONTACTS:

Bottiling Unit
Umesh C Joshi
QSE Manager
Amrit Bottlers Pvt. Ltd.,
Faizabad, Uttar Pradesh, India
Phone: +91-9554953181
umeshjoshi@cocacolafzd.com

Operating Unit
Gopu T Rao
Hydrogeologist
Coca-Cola India Pvt. Limited
Gurgaon, India
Phone: +91-9740951234
gorao@coca-cola.com

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SITE VISIT CONDUCTED BY: Mr. Thogaru Rajesh. Mainstay Development Consultants Pvt. Ltd, Secunderabad

The field validation is conducted on 21st to 23rd December 2023 along with Mr. Umesh C Joshi, QSE Manager, Mr. Jitendra, Environmental coordinator ABPL.

OBJECTIVES:

- Harvesting rainwater runoff and recharging local aquifers
- Provide source water for irrigation and domestic during monsoon and non-monsoon seasons
- Positively contribute to the rejuvenation of micro-climatic conditions

BACKGROUND & ACTIVITY DESCRIPTION:

Traditionally in the past, Indian farmers have managed ponds and developed small water bodies in localized depressions to collect water that is used for domestic and irrigation. However, over the years the ponds got silted up due to a lack of de-siltation practices and maintenance. Coca-Cola India and its bottling partners have identified such ponds and local water bodies for de-siltation, rejuvenation, and augmentation, by using appropriate technology options that are suitable to local topographical/hydrogeological conditions. Such rejuvenated ponds recharge local aquifers, by re-charging old tubes and dug wells during the monsoon period and providing water for domestic and irrigation for communities.

The project activity involves two steps 1) Identification of silted ponds in Villages; 2) Desilting and augmentation of the pond to increase the storage capacity and rate of infiltration to groundwater aquifer. The villagers are benefiting as a result of these activities. The projects are maintained annually.

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Figure1.1- De-silted and augmented Pond (Date of Visit: 23/12/2023)

SUMMARY OF REPLENISH BENEFIT:

- 2023 COCA-COLA REPLENISH BENEFIT AS A FUNCTION OF COST-SHARE: 1,503KL/YR

ACTIVITY TIMELINE:

- Project initiated on 10th Dec 2009
- The project was completed on 30th May 2010 and was fully operational in 2010

COCA-COLA CONTRIBUTION: 100% for the project

Total project cost: 0.001MnUSD TCCC contributions:

The project is funded and implemented by Coca-Cola bottlers in the local community.

(24)

WATERSHED BENEFITS CALCULATED:

- Increased groundwater recharge.

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1. INCREASED INFILTRATION

Approach & Results

The replenish benefit is calculated as the volume of water recharged to the aquifer. The recharge volume is equal to the minimum of supply and available storage (after accounting for evaporative and usage losses).

The volume of water available for aquifer recharge is estimated separately for each pond by calculating the supply of available runoff from the catchment according to the equation below:
Supply (m^3) = Catchment Area (m^2) x Annual Rainfall (m) x Catchment Coefficient

The supply from the catchment is compared to the available storage of the ponds. Storage potential was estimated by considering the number of times the ponds will fill to maximum volume. It was conservatively assumed that each pond can potentially be filled two times (in cases of hard rock sub-surface geology) or three times (in cases of soft rock sub-surface geology) its volume annually. The volume of water captured by the ponds is estimated as the minimum of supply and available storage (after accounting for usage and evaporation losses of storage potential).

Table 1. Dimensions of the pond

State	Check Dam/Pond Location/any other	Avg. Length (m)	Avg. Width (m)	Avg. Depth (m)	Pond Volume (m3)
Uttar Pradesh	Bharwa Talab	39	32	1.73	2,159

Table 2. Summary of Pond area characteristics and estimated recharge volume

State	Location of Project	Catchment Area (Sq.km)	Annual Rainfall (mm)	Supply Volume (m3/yr.)	Storage Potential (m3)	Total Recharge Volume (m3/yr.)
Uttar Pradesh	Bharwa Talab	0.09	1016.8	6863.40	2,159	1,503

The total estimated replenish benefit from the ponds is provided below:

- Benefit (increase in recharge): 1,503KL/yr.
- The total (ultimate) water quantity benefit is 1,503KL/yr.
- TCCC total (ultimate) benefit taken as a function of cost-share is 1,503KL/yr.

The current (2023) benefit and projected benefits are based on the total benefit, adjusted to account for the implementation schedule and TCCC cost share. These are presented below.

2023 Replenish Benefit

The 2023 benefit is the performance-based benefit from this activity as of the end of the calendar year 2023. The total 2023 benefit is 1,503KL/yr. and TCCC's benefit (adjusted for cost-share) is 1,503KL/yr.

Projected Water Quantity Benefits Summary

Table-3 shows the projected benefits that this activity will provide if the project remains in productive service. All projected benefits will be verified by TCCC before they are reported as actual benefits. The benefits are scaled for the implementation schedule in the second column and scaled further for the TCCC cost share in the third column.

Table 3: Shows the Projected Water Quantity Benefits Summary

Year	Total Benefit (KL/yr.)	Adjusted for TCCC Cost Share (KL/yr.)
2023	1,503	1,503
2024	1,503	1,503
2025	1,503	1,503
Ultimate Benefit:	1,503	1,503

Data Sources

- Data on pond volumes, catchment areas, and rainfall were provided by the **Amrit Bottlers Pvt. Ltd., Faizabad.**

Maintenance Status

- The project has completed a decade which is possibly accumulated with siltation deposit, leading to reduced storage capacity and recharge potential, it is recommended to de-siltation and bund strengthening before the onset of monsoon to continue to claim the full benefit of the project.

Assumptions

- The ponds are maintained properly. This includes annually clearing the pond before the arrival of monsoon rain.

OTHER BENEFITS NOT QUANTIFIED

- Local employment opportunities during construction and maintenance
- Facilitates Drinking water for cattle and wildlife.
- Reduce runoff and sediment erosion and creates water storage facilities.

NOTES

- Awareness building programs for the community on water replenishment projects is important and sharing benefits to stakeholders on yearly basis goes as best practice.

(26)

REFERENCES

1. Manual on artificial recharge of groundwater, CGWB 2007
2. Replenish Assurance Processes and Documentation Requirements "supplemental KORE Requirements" KORE documents OU-SR-035
3. OU-RQ-035-PRG Water replenishes assurance process requirements
4. https://ingres.iith.ac.in/gecdataonline/gis/INDIA

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(27)

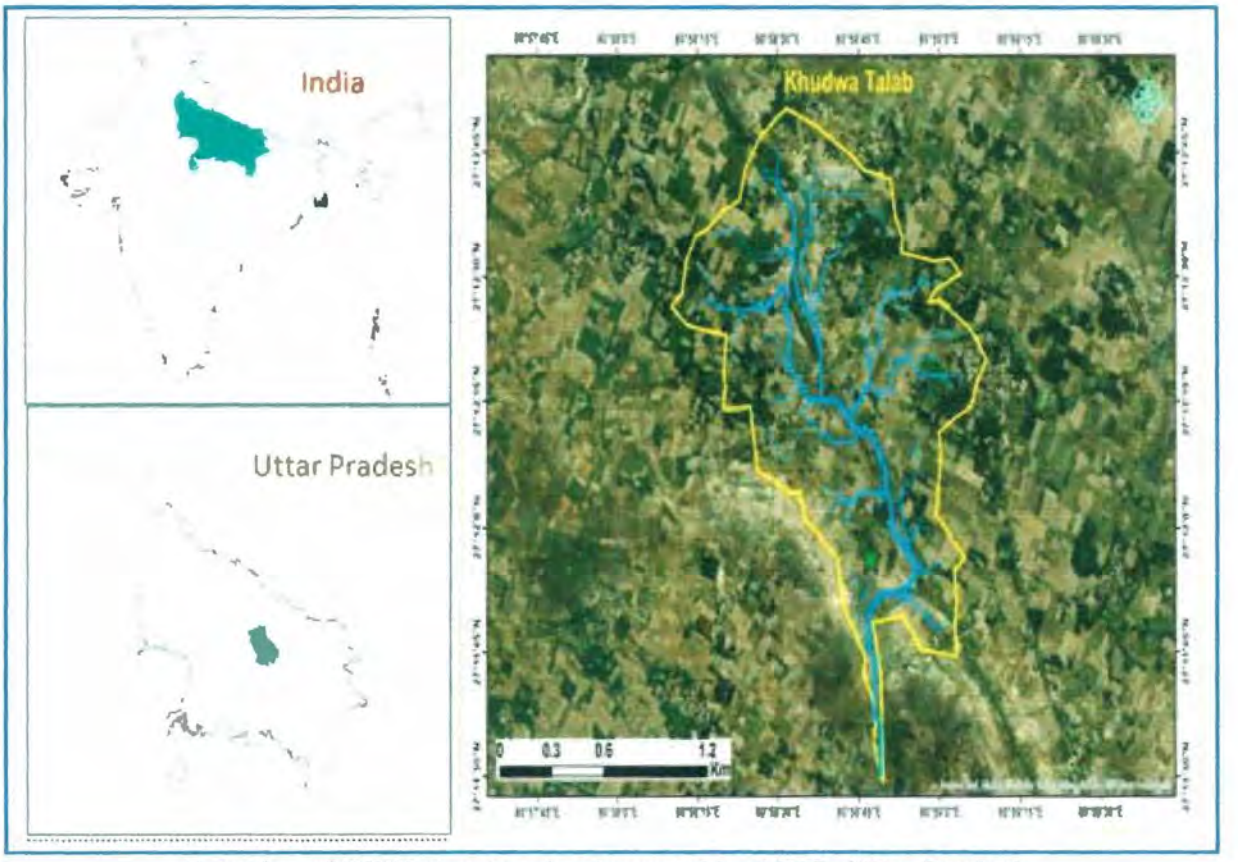
PROJECT NAME: Pond de-silting and restoration

PROJECT ID #: UPS123(a)

DESCRIPTION OF ACTIVITY: De-silting and restoration of silted ponds in the villages

LOCATION: Khudwa Talab, Bhaigani Village, Barabanki District, Uttar Pradesh, India.

Project Location	Distance in KM away from ABPL plant	Watershed	Longitude	Lattitude
Khudwa Talab, Bhaigani Village	155 km	Outside the plant operating watershed	80.986139°	27.202694°



Location of RWH structure implemented by ABPL, Uttar Pradesh

PRIMARY CONTACTS:

Bottiling Unit
Umesh C Joshi
QSE Manager
Amrit Bottlers Pvt. Ltd.,
Faizabad, Uttar Pradesh, India
Phone: +91-9554953181
umeshjoshi@cocacolafzd.com

Operating Unit
Gopu T Rao
Hydrogeologist
Coca-Cola India Pvt. Limited
Gurgaon, India
Phone: +91-9740951234
gorao@coca-cola.com

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SITE VISIT CONDUCTED BY: Mr. Thogaru Rajesh. Mainstay Development Consultants Pvt. Ltd, Secunderabad

The field validation is conducted on 21st to 23rd December 2023 along with Mr. Umesh C Joshi, QSE Manager, Mr. Jitendra, Environmental coordinator ABPL.

OBJECTIVES:

- Harvesting rainwater runoff and recharging local aquifers
- Provide source water for irrigation and domestic during monsoon and non-monsoon seasons
- Positively contribute to the rejuvenation of micro-climatic conditions

BACKGROUND & ACTIVITY DESCRIPTION:

Traditionally in the past, Indian farmers have managed ponds and developed small water bodies in localized depressions to collect water that is used for domestic and irrigation. However, over the years the ponds got silted up due to a lack of de-siltation practices and maintenance. Coca-Cola India and its bottling partners have identified such ponds and local water bodies for de-siltation, rejuvenation, and augmentation, by using appropriate technology options that are suitable to local topographical/hydrogeological conditions. Such rejuvenated ponds recharge local aquifers, by re-charging old tubes and dug wells during the monsoon period and providing water for domestic and irrigation for communities.

The project activity involves two steps 1) Identification of silted ponds in Villages; 2) Desilting and augmentation of the pond to increase the storage capacity and rate of infiltration to groundwater aquifer. The villagers are benefiting as a result of these activities. The projects are maintained annually.

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Figure1.1- De-silted and augmented Pond (Date of Visit: 23/12/2023)

SUMMARY OF REPLENISH BENEFIT:

- 2023 COCA-COLA REPLENISH BENEFIT AS A FUNCTION OF COST-SHARE: 16,597KL/YR

ACTIVITY TIMELINE:

- Project initiated on 10th Dec 2009
- The project was completed on 30th May 2010 and was fully operational in 2010

COCA-COLA CONTRIBUTION: 100% for the project

Total project cost: 0.011MnUSD TCCC contributions:

The project is funded and implemented by Coca-Cola bottlers in the local community.

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WATERSHED BENEFITS CALCULATED:

- Increased groundwater recharge.

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1. INCREASED INFILTRATION

Approach & Results

The replenish benefit is calculated as the volume of water recharged to the aquifer. The recharge volume is equal to the minimum of supply and available storage (after accounting for evaporative and usage losses).

The volume of water available for aquifer recharge is estimated separately for each pond by calculating the supply of available runoff from the catchment according to the equation below:
Supply (m^3) = Catchment Area (m^2) x Annual Rainfall (m) x Catchment Coefficient

The supply from the catchment is compared to the available storage of the ponds. Storage potential was estimated by considering the number of times the ponds will fill to maximum volume. It was conservatively assumed that each pond can potentially be filled two times (in cases of hard rock sub-surface geology) or three times (in cases of soft rock sub-surface geology) its volume annually. The volume of water captured by the ponds is estimated as the minimum of supply and available storage (after accounting for usage and evaporation losses of storage potential).

Table 1. Dimensions of the pond

State	Check Dam/Pond Location/any other	Avg. Length (m)	Avg. Width (m)	Avg. Depth (m)	Pond Volume (m3)
Uttar Pradesh	Khudwa Talab	39	32	4	16,597

Table 2. Summary of Pond area characteristics and estimated recharge volume

State	Location of Project	Catchment Area (Sq.km)	Annual Rainfall (mm)	Supply Volume (m3/yr.)	Storage Potential (m3)	Total Recharge Volume (m3/yr.)
Uttar Pradesh	Khuda Talab	0.20	1016.8	61,008	16,597	16,597

The total estimated replenish benefit from the ponds is provided below:

- Benefit (increase in recharge): 16,597KL /yr.
- The total (ultimate) water quantity benefit is 16,597KL /yr.
- TCCC total (ultimate) benefit taken as a function of cost-share is 16,597KL /yr.

The current (2023) benefit and projected benefits are based on the total benefit, adjusted to account for the implementation schedule and TCCC cost share. These are presented below.

2023 Replenish Benefit

- The 2023 benefit is the performance-based benefit from this activity as of the end of the calendar year 2023. The total 2023 benefit is 16,597KL /yr. and TCCC's benefit (adjusted for cost-share) is 16,597KL /yr.

Projected Water Quantity Benefits Summary

Table 3 shows the projected benefits that this activity will provide if the project remains in productive service. All projected benefits will be verified by TCCC before they are reported as actual benefits. The benefits are scaled for the implementation schedule in the second column and scaled further for the TCCC cost share in the third column.

Table 3: Shows the Projected Water Quantity Benefits Summary

Year	Total Benefit (KL/yr.)	Adjusted for TCCC Cost Share (KL/yr.)
2023	16,597	16,597
2024	16,597	16,597
2025	16,597	16,597
Ultimate Benefit:	16,597	16,597

Data Sources

- Data on pond volumes, catchment areas, and rainfall were provided by the **Amrit Bottlers Pvt. Ltd., Faizabad.**

Maintenance Status

- The project has completed a decade which is possibly accumulated with siltation deposit, leading to reduced storage capacity and recharge potential, it is recommended to de-siltation and bund strengthening before the onset of monsoon to continue to claim the full benefit of the project.

Assumptions

- The ponds are maintained properly. This includes annually clearing the pond before the arrival of monsoon rain.

OTHER BENEFITS NOT QUANTIFIED

- Local employment opportunities during construction and maintenance
- Facilitates Drinking water for cattle and wildlife.
- Reduce runoff and sediment erosion and creates water storage facilities.

NOTES

- Awareness building programs for the community on water replenishment projects is important and sharing benefits to stakeholders on yearly basis goes as best practice.

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REFERENCES

1. Manual on artificial recharge of groundwater, CGWB 2007
2. Replenish Assurance Processes and Documentation Requirements "supplemental KORE Requirements" KORE documents OU-SR-035
3. OU-RQ-035-PRG Water replenishes assurance process requirements
4. https://ingres.iith.ac.in/gecdataonline/gis/INDIA

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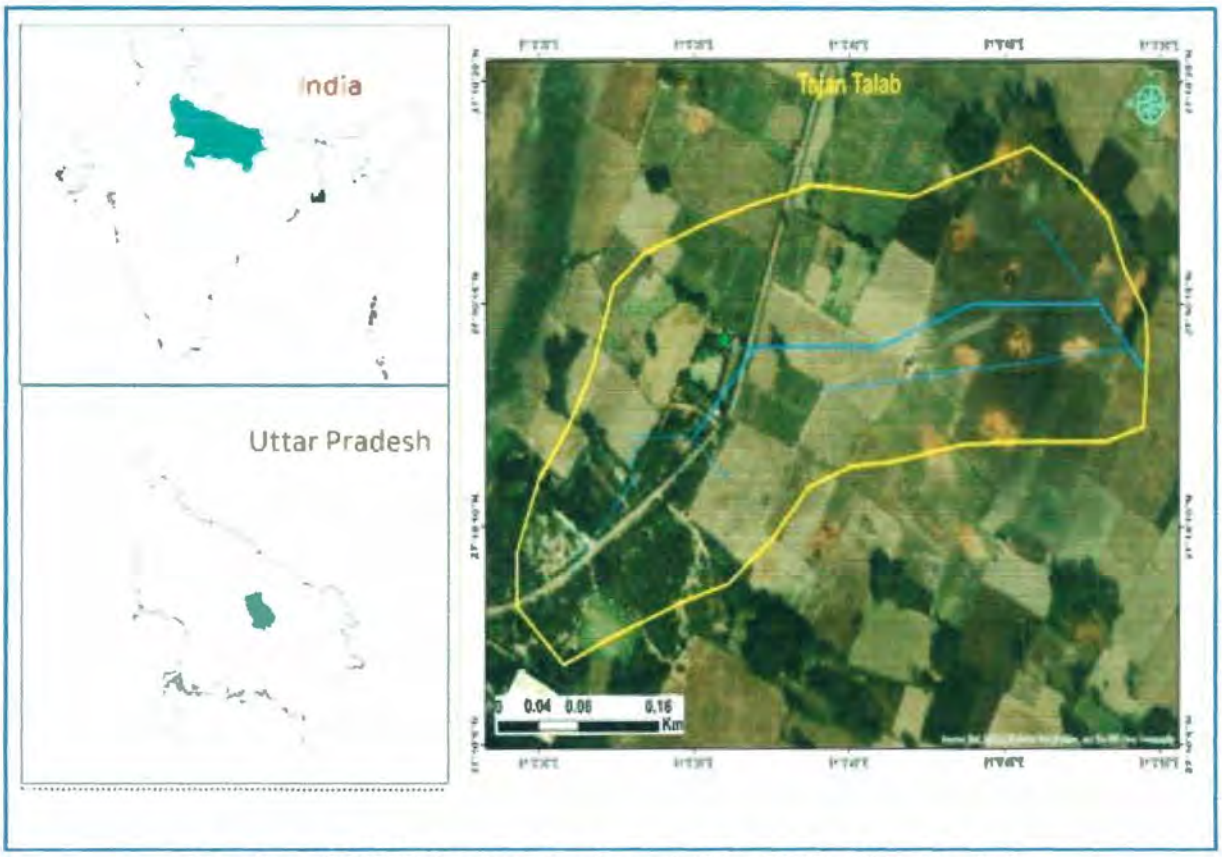
PROJECT NAME: Pond de-silting and restoration

PROJECT ID #: UPS123(a)

DESCRIPTION OF ACTIVITY: De-silting and restoration of silted ponds in the villages

LOCATION: Tajan Talab, Sarwan Village, Barabanki District, Uttar Pradesh, India.

Project Location	Distance in KM away from ABPL plant	Watershed	Longitude	Lattitude
Tajan Talab, Sarwan Village	152 km	Outside the plant operating watershed	81.010000°	27.170611°



Location of RWH structure implemented by ABPL, Uttar Pradesh

PRIMARY CONTACTS:

Bottiling Unit
Umesh C Joshi
QSE Manager
Amrit Bottlers Pvt. Ltd.,
Faizabad, Uttar Pradesh, India
Phone: +91-9554953181
umeshjoshi@cocacolafzd.com

Operating Unit
Gopu T Rao
Hydrogeologist
Coca-Cola India Pvt. Limited
Gurgaon, India
Phone: +91-9740951234
gorao@coca-cola.com

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SITE VISIT CONDUCTED BY: Mr. Thogaru Rajesh. Mainstay Development Consultants Pvt. Ltd, Secunderabad

The field validation is conducted on 21st to 23rd December 2023 along with Mr. Umesh C Joshi, QSE Manager, Mr. Jitendra, Environmental coordinator ABPL.

OBJECTIVES:

- Harvesting rainwater runoff and recharging local aquifers
- Provide source water for irrigation and domestic during monsoon and non-monsoon seasons
- Positively contribute to the rejuvenation of micro-climatic conditions

BACKGROUND & ACTIVITY DESCRIPTION:

Traditionally in the past, Indian farmers have managed ponds and developed small water bodies in localized depressions to collect water that is used for domestic and irrigation. However, over the years the ponds got silted up due to a lack of de-siltation practices and maintenance. Coca-Cola India and its bottling partners have identified such ponds and local water bodies for de-siltation, rejuvenation, and augmentation, by using appropriate technology options that are suitable to local topographical/hydrogeological conditions. Such rejuvenated ponds recharge local aquifers, by re-charging old tubes and dug wells during the monsoon period and providing water for domestic and irrigation for communities.

The project activity involves two steps 1) Identification of silted ponds in Villages; 2) Desilting and augmentation of the pond to increase the storage capacity and rate of infiltration to groundwater aquifer. The villagers are benefiting as a result of these activities. The projects are maintained annually.

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Figure1.1- De-silted and augmented Pond (Date of Visit: 23/12/2023)

SUMMARY OF REPLENISH BENEFIT:

- 2023 COCA-COLA REPLENISH BENEFIT AS A FUNCTION OF COST-SHARE: 2,933.22 KL/YR

ACTIVITY TIMELINE:

- Project initiated on 10th Dec 2009
- The project was completed on 30th May 2010 and was fully operational in 2010

COCA-COLA CONTRIBUTION: 100% for the project

Total project cost: 0.002MnUSD TCCC contributions:

The project is funded and implemented by Coca-Cola bottlers in the local community.

(36)

WATERSHED BENEFITS CALCULATED:

- Increased groundwater recharge.

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1. INCREASED INFILTRATION

Approach & Results

The replenish benefit is calculated as the volume of water recharged to the aquifer. The recharge volume is equal to the minimum of supply and available storage (after accounting for evaporative and usage losses).

The volume of water available for aquifer recharge is estimated separately for each pond by calculating the supply of available runoff from the catchment according to the equation below:
Supply (m^3) = Catchment Area (m^2) x Annual Rainfall (m) x Catchment Coefficient

The supply from the catchment is compared to the available storage of the ponds. Storage potential was estimated by considering the number of times the ponds will fill to maximum volume. It was conservatively assumed that each pond can potentially be filled two times (in cases of hard rock sub-surface geology) or three times (in cases of soft rock sub-surface geology) its volume annually. The volume of water captured by the ponds is estimated as the minimum of supply and available storage (after accounting for usage and evaporation losses of storage potential).

Table 1. Dimensions of the pond

State	Check Dam/Pond Location/any other	Avg. Length (m)	Avg. Width (m)	Avg. Depth (m)	Pond Volume (m3)
Uttar Pradesh	Tajan Talab	40.5	29	2.5	2,933.22

Table 2. Summary of Pond area characteristics and estimated recharge volume

State	Location of Project	Catchment Area (Sq.km)	Annual Rainfall (mm)	Supply Volume (m3/yr.)	Storage Potential (m3)	Total Recharge Volume (m3/yr.)
Uttar Pradesh	Tajan Talab	0.05	1016.8	3813.00	2,933.22	2,933.22

The total estimated replenish benefit from the ponds is provided below:

- Benefit (increase in recharge): 2,933.22 KL/YR.
- The total (ultimate) water quantity benefit is 2,933.22KL/yr.
- TCCC total (ultimate) benefit taken as a function of cost-share is: 2,933.22KL/yr.

The current (2023) benefit and projected benefits are based on the total benefit, adjusted to account for the implementation schedule and TCCC cost share. These are presented below.

2023 Replenish Benefit

The 2023 benefit is the performance-based benefit from this activity as of the end of the calendar year 2023. The total 2023 benefit is 2,933.22KL/yr. and TCCC's benefit (adjusted for cost-share) is 2,933.22KL/yr.

Projected Water Quantity Benefits Summary

Table-3 shows the projected benefits that this activity will provide if the project remains in productive service. All projected benefits will be verified by TCCC before they are reported as actual benefits. The benefits are scaled for the implementation schedule in the second column and scaled further for the TCCC cost share in the third column.

Table 3: Shows the Projected Water Quantity Benefits Summary

Year	Total Benefit (KL/yr.)	Adjusted for TCCC Cost Share (KL/yr.)
2023	2,933.22	2,933.22
2024	2,933.22	2,933.22
2025	2,933.22	2,933.22
Ultimate Benefit:	2,933.22	2,933.22

Data Sources

- Data on pond volumes, catchment areas, and rainfall were provided by the **Amrit Bottlers Pvt. Ltd., Faizabad.**

Maintenance Status

- The project has completed a decade which is possibly accumulated with siltation deposit, leading to reduced storage capacity and recharge potential, it is recommended to de-siltation and bund strengthening before the onset of monsoon to continue to claim the full benefit of the project.

Assumptions

- The ponds are maintained properly. This includes annually clearing the pond before the arrival of monsoon rain.

OTHER BENEFITS NOT QUANTIFIED

- Local employment opportunities during construction and maintenance
- Facilitates Drinking water for cattle and wildlife.
- Reduce runoff and sediment erosion and creates water storage facilities.

38

NOTES

- Awareness building programs for the community on water replenishment projects is important and sharing benefits to stakeholders on yearly basis goes as best practice.

REFERENCES

1. Manual on artificial recharge of groundwater, CGWB 2007
2. Replenish Assurance Processes and Documentation Requirements "supplemental KORE Requirements" KORE documents OU-SR-035
3. OU-RQ-035-PRG Water replenishes assurance process requirements
4. https://ingres.iith.ac.in/gecdataonline/gis/INDIA

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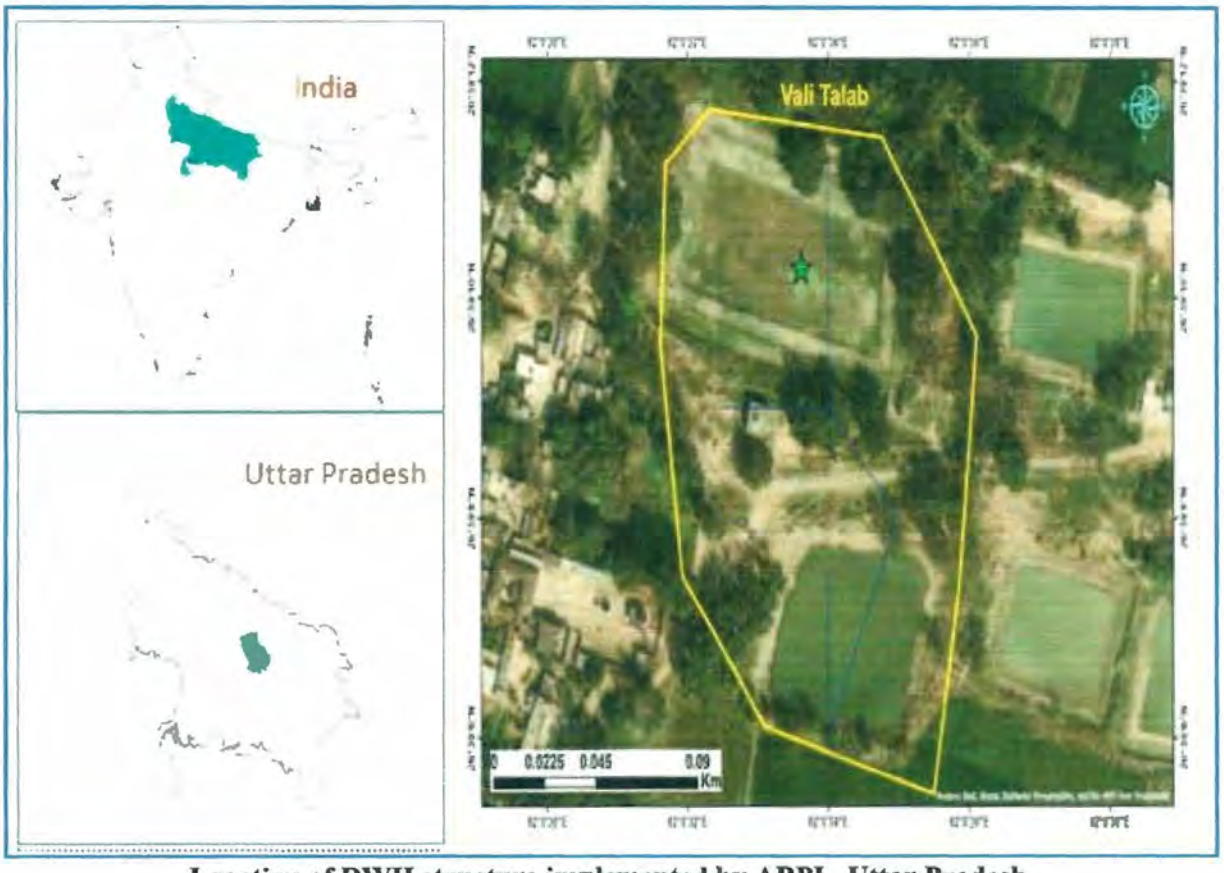
PROJECT NAME: Pond restoration and installation of recharge shaft

PROJECT ID #: UPS401

DESCRIPTION OF ACTIVITY: Recharge shaft (18) constructed for de-silting and rejuvenated pond

LOCATION: Vali Talab, Sari Village, Milkypur Block, Faizabad District, Uttar Pradesh, India.

Project Location	Distance in KM away from ABPL plant	Watershed	Longitude	Lattitude
Vali Talab, Sari Village	20 km	Outside the plant operating watershed	82.138611°	26.626889°



Location of RWH structure implemented by ABPL, Uttar Pradesh

PRIMARY CONTACTS:

Bottiling Unit
Umesh C Joshi
QSE Manager
Amrit Bottlers Pvt. Ltd.,
Faizabad, Uttar Pradesh, India
Phone: +91-9554953181
umeshjoshi@cocacolafzd.com

Operating Unit
Gopu T Rao
Hydrogeologist
Coca-Cola India Pvt. Limited
Gurgaon, India
Phone: +91-9740951234
gorao@coca-cola.com

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SITE VISIT CONDUCTED BY: Mr. Thogaru Rajesh. Mainstay Development Consultants Pvt. Ltd, Secunderabad

The field validation is conducted on 21st to 23rd December 2023 along with Mr. Umesh C Joshi, QSE Manager, Mr. Jitendra, Environmental coordinator ABPL.

OBJECTIVES:

- Harvesting rainwater runoff and recharging local aquifers
- Provide source water for irrigation and domestic during monsoon and non-monsoon seasons
- Positively contribute to the rejuvenation of micro-climatic conditions

BACKGROUND & ACTIVITY DESCRIPTION:

Traditionally in the past, Indian farmers have managed ponds and developed small water bodies in localized depressions to collect water that is used for domestic and irrigation. However, over the years the ponds got silted up due to a lack of de-siltation practices and maintenance. In the recent past under the MNREGA union government scheme, ponds and local water bodies have been identified for de-siltation and rejuvenation, by using appropriate technology options that are suitable to local topographical/hydrogeological conditions. Such rejuvenated ponds recharge local aquifers, by re-charging old tubes and dug wells during the monsoon period and providing water for domestic and irrigation for communities. Local Coca-Cola bottlers have identified such ponds and water bodies for undertaking rejuvenation and augmentation.

The project activity involves two steps 1) identification of de-silted and rejuvenated ponds under the MNREGA scheme; 2) installation of a shaft system to facilitate recharge of groundwater. De-silting typically increases the pond depth from 2-3 meters. The villagers are benefiting as a result of these activities. The projects are maintained annually.

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Figure1.1- Pond with Recharge shafts (Date of Visit: 22/12/2023)

SUMMARY OF REPLENISH BENEFIT:

- 2023 COCA-COLA REPLENISH BENEFIT AS A FUNCTION OF COST-SHARE: 33,915KL/YR

ACTIVITY TIMELINE:

- Project initiated on 15th May 2010
- Projects were completed on 27th May 2010 and were fully operational in 2010

COCA-COLA CONTRIBUTION: 100% for the project

Total project cost: 0.009MnUSD TCCC contributions:

The project is funded and implemented by Coca-Cola bottlers in the local community.

(42)

WATERSHED BENEFITS CALCULATED:

- Increased groundwater recharge.

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1. INCREASED INFILTRATION

Approach & Results

The replenish benefit is calculated as the volume of water recharged to the aquifer. The recharge volume is equal to the minimum of supply and available storage (after accounting for evaporative and usage losses).

The volume of water available for aquifer recharge is estimated separately for each pond by calculating the supply of available runoff from the catchment according to the equation below:
Supply (m^3) = Catchment Area (m^2) x Annual Rainfall (m) x Catchment Coefficient

The supply from the catchment is compared to the available storage of the ponds. Storage potential was estimated by considering the number of times the ponds will fill to maximum volume. It was conservatively assumed that each pond can potentially be filled two times (in cases of hard rock sub-surface geology) or three times (in cases of soft rock sub-surface geology) its volume annually. The volume of water captured by the ponds is estimated as the minimum of supply and available storage (after accounting for usage and evaporation losses of storage potential).

Table 1. Dimensions of the pond

State	Check Dam/Pond Location/any other	Avg. Length (m)	Avg. Width (m)	Avg. Depth (m)	Pond Volume (m3)
Uttar Pradesh	Vali Talab	150	70	2.12	22,275

Table 2. Summary of Pond area characteristics and estimated recharge volume

State	Location of Project	Catchment Area (Sq.km)	Annual Rainfall (mm)	Supply Volume (m3/yr.)	Storage Potential (m3)	Total Recharge Volume (m3/yr.)
Uttar Pradesh	Vali Talab	5	1033.3	3,87,375	22,275	33,915

The total estimated replenish benefit from the ponds is provided below:

- Benefit (increase in recharge): 33,915KL/yr.
- The total (ultimate) water quantity benefit is 33,915KL/yr.
- TCCC total (ultimate) benefit taken as a function of cost-share is: 33,915KL/yr.

The current (2023) benefit and projected benefits are based on the total benefit, adjusted to account for the implementation schedule and TCCC cost share. These are presented below.

2023 Replenish Benefit

The 2023 benefit is the performance-based benefit from this activity as of the end of the calendar year 2023. The total 2023 benefit is 33,915KL/yr. and TCCC's benefit (adjusted for cost-share) is 33,915KL/yr.

Projected Water Quantity Benefits Summary

Table 3 shows the projected benefits that this activity will provide if the project remains in productive service. All projected benefits will be verified by TCCC before they are reported as actual benefits. The benefits are scaled for the implementation schedule in the second column and scaled further for the TCCC cost share in the third column.

Table 3: Shows the Projected Water Quantity Benefits Summary

Year	Total Benefit (KL/yr.)	Adjusted for TCCC Cost Share (KL/yr.)
2023	33,915	33,915
2024	33,915	33,915
2025	33,915	33,915
Ultimate Benefit:	33,915	33,915

Data Sources

- Data on pond volumes, catchment areas, and rainfall were provided by the **Amrit Bottlers Pvt. Ltd., Faizabad.**

Maintenance Status

- Pond and recharge structures are in good condition need minor cleaning maintenance.

Assumptions

- The farm's ponds are maintained properly. This includes annually clearing of pond inlet and the openings of the recharge shafts of the debris before the arrival of monsoon rain.

OTHER BENEFITS NOT QUANTIFIED

- Local employment opportunities during construction and maintenance
- Drinking water facility for cattle and wildlife.
- Reduce runoff and sediment erosion and creates water storage facilities.

NOTES

- Awareness building programs for the community on water replenishment projects is important and sharing benefits to stakeholders on yearly basis goes as best practice.

(44)

REFERENCES

1. Manual on artificial recharge of groundwater, CGWB 2007
2. Replenish Assurance Processes and Documentation Requirements "supplemental KORE Requirements" KORE documents OU-SR-035
3. OU-RQ-035-PRG Water replenishes assurance process requirements
4. https://ingres.iith.ac.in/gecdataonline/gis/INDIA

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(45)

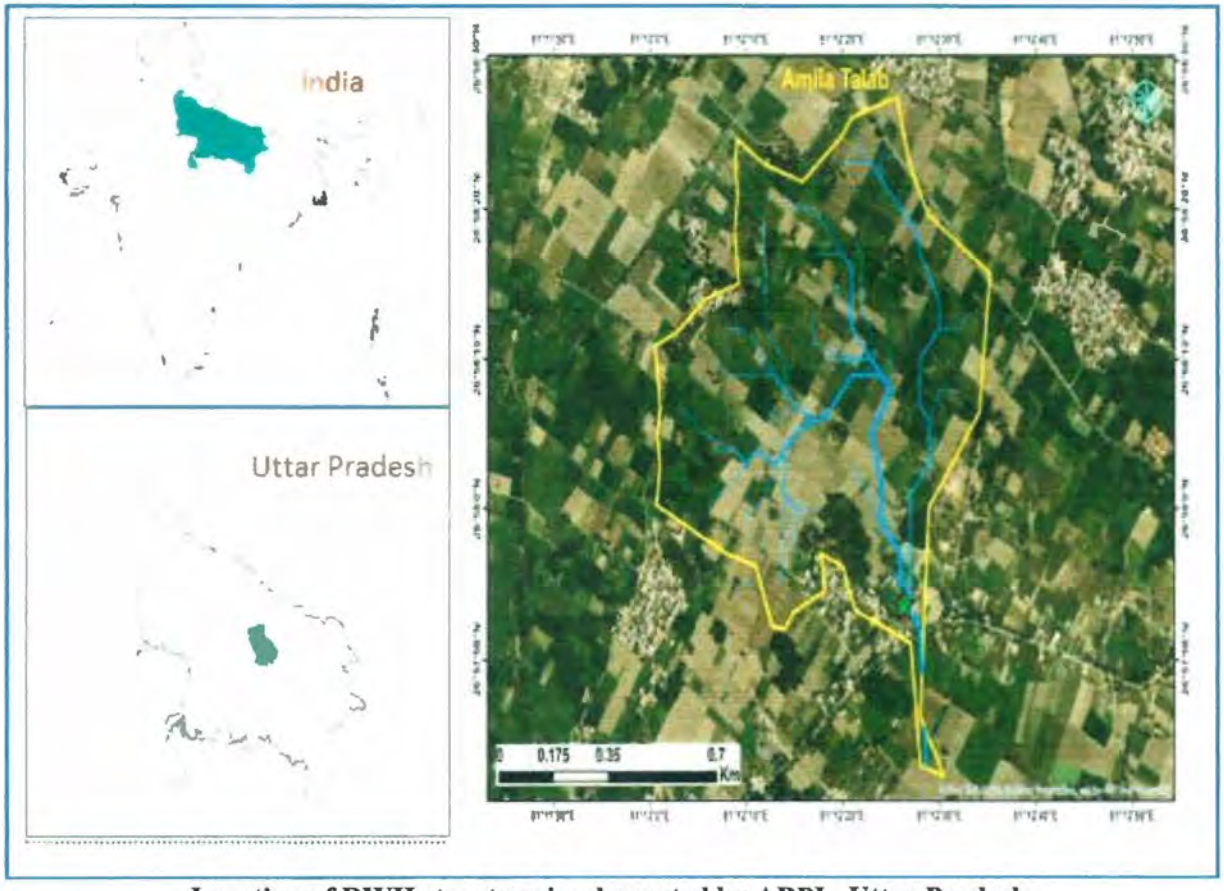
PROJECT NAME: Pond de-silting and restoration

PROJECT ID #: UPS123(a)

DESCRIPTION OF ACTIVITY: De-silting and restoration of silted ponds in the villages

LOCATION: Amila Talab, Makdampur Village, Barabanki District, Uttar Pradesh, India.

Project Location	Distance in KM away from ABPL plant	Watershed	Longitude	Lattitude
Amila Talab, Makdampur Village	104km	Outside the plant operating watershed	81.207333°	26.964908°



Location of RWH structure implemented by ABPL, Uttar Pradesh

PRIMARY CONTACTS:

Bottiling Unit
Umesh C Joshi
QSE Manager
Amrit Bottlers Pvt. Ltd.,
Faizabad, Uttar Pradesh, India
Phone: +91-9554953181
umeshjoshi@cocacolafzd.com

Operating Unit
Gopu T Rao
Hydrogeologist
Coca-Cola India Pvt. Limited
Gurgaon, India
Phone: +91-9740951234
gorao@coca-cola.com

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SITE VISIT CONDUCTED BY: Mr. Thogaru Rajesh. Mainstay Development Consultants Pvt. Ltd, Secunderabad

The field validation is conducted on 21st to 23rd December 2023 along with Mr. Umesh C Joshi, QSE Manager, Mr. Jitendra, Environmental coordinator ABPL.

OBJECTIVES:

- Harvesting rainwater runoff and recharging local aquifers
- Provide source water for irrigation and domestic during monsoon and non-monsoon seasons
- Positively contribute to the rejuvenation of micro-climatic conditions

BACKGROUND & ACTIVITY DESCRIPTION:

Traditionally in the past, Indian farmers have managed ponds and developed small water bodies in localized depressions to collect water that is used for domestic and irrigation. However, over the years the ponds got silted up due to a lack of de-siltation practices and maintenance. Coca-Cola India and its bottling partners have identified such ponds and local water bodies for de-siltation, rejuvenation, and augmentation, by using appropriate technology options that are suitable to local topographical/hydrogeological conditions. Such rejuvenated ponds recharge local aquifers, by re-charging old tubes and dug wells during the monsoon period and providing water for domestic and irrigation for communities.

The project activity involves two steps 1) Identification of silted ponds in Villages; 2) Desilting and augmentation of the pond to increase the storage capacity and rate of infiltration to groundwater aquifer. The villagers are benefiting as a result of these activities. The projects are maintained annually.

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Figure1.1- De-silted and augmented Pond (Date of Visit: 23/12/2023)

SUMMARY OF REPLENISH BENEFIT:

- 2023 COCA-COLA REPLENISH BENEFIT AS A FUNCTION OF COST-SHARE: 3211.5KL/YR

ACTIVITY TIMELINE:

- Project initiated on 10th Dec 2009
- The project was completed on 30th May 2010 and was fully operational in 2010

COCA-COLA CONTRIBUTION: 100% for the project

Total project cost: 0.002MnUSD TCCC contributions:

The project is funded and implemented by Coca-Cola bottlers in the local community.

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WATERSHED BENEFITS CALCULATED:

- Increased groundwater recharge.

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1. INCREASED INFILTRATION

Approach & Results

The replenish benefit is calculated as the volume of water recharged to the aquifer. The recharge volume is equal to the minimum of supply and available storage (after accounting for evaporative and usage losses).

The volume of water available for aquifer recharge is estimated separately for each pond by calculating the supply of available runoff from the catchment according to the equation below:
Supply (m^3) = Catchment Area (m^2) x Annual Rainfall (m) x Catchment Coefficient

The supply from the catchment is compared to the available storage of the ponds. Storage potential was estimated by considering the number of times the ponds will fill to maximum volume. It was conservatively assumed that each pond can potentially be filled two times (in cases of hard rock sub-surface geology) or three times (in cases of soft rock sub-surface geology) its volume annually. The volume of water captured by the ponds is estimated as the minimum of supply and available storage (after accounting for usage and evaporation losses of storage potential).

Table 1. Dimensions of the pond

State	Check Dam/Pond Location/any other	Avg. Length (m)	Avg. Width (m)	Avg. Depth (m)	Pond Volume (m3)
Uttar Pradesh	Amila Talab	38	33.5	2.52	3211.5

Table 2. Summary of Pond area characteristics and estimated recharge volume

State	Location of Project	Catchment Area (Sq.km)	Annual Rainfall (mm)	Supply Volume (m3/yr.)	Storage Potential (m3)	Total Recharge Volume (m3/yr.)
Uttar Pradesh	Amila Talab	0.07	1016.8	5338.20	3211.5	3211.5

The total estimated replenish benefit from the ponds is provided below:

- Benefit (increase in recharge): 3,211.5KL/yr.
- The total (ultimate) water quantity benefit is 3,211.5KL/yr.
- TCCC total (ultimate) benefit taken as a function of cost-share is 3,211.5KL/yr.

The current (2023) benefit and projected benefits are based on the total benefit, adjusted to account for the implementation schedule and TCCC cost share. These are presented below.

2023 Replenish Benefit

The 2023 benefit is the performance-based benefit from this activity as of the end of the calendar year 2023. The total 2023 benefit is 3,211.5KL/yr. and TCCC's benefit (adjusted for cost-share) is 3,211.5KL/yr.

Projected Water Quantity Benefits Summary

Table-3 shows the projected benefits that this activity will provide if the project remains in productive service. All projected benefits will be verified by TCCC before they are reported as actual benefits. The benefits are scaled for the implementation schedule in the second column and scaled further for the TCCC cost share in the third column.

Table 3: Shows the Projected Water Quantity Benefits Summary

Year	Total Benefit (KL/yr.)	Adjusted for TCCC Cost Share (KL/yr.)
2023	3,211.5	3,211.5
2024	3,211.5	3,211.5
2025	3,211.5	3,211.5
Ultimate Benefit:	3,211.5	3,211.5

Data Sources

- Data on pond volumes, catchment areas, and rainfall were provided by the **Amrit Bottlers Pvt. Ltd., Faizabad.**

Maintenance Status

- The project has completed a decade which is possibly accumulated with siltation deposit, leading to reduced storage capacity and recharge potential, it is recommended to de-siltation and bund strengthening before the onset of monsoon to continue to claim the full benefit of the project.

Assumptions

- The ponds are maintained properly. This includes annually clearing the pond before the arrival of monsoon rain.

OTHER BENEFITS NOT QUANTIFIED

- Local employment opportunities during construction and maintenance
- Facilitates Drinking water for cattle and wildlife.
- Reduce runoff and sediment erosion and creates water storage facilities.

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NOTES

- Awareness building programs for the community on water replenishment projects is important and sharing benefits to stakeholders on yearly basis goes as best practice.

REFERENCES

1. Manual on artificial recharge of groundwater, CGWB 2007
2. Replenish Assurance Processes and Documentation Requirements "supplemental KORE Requirements" KORE documents OU-SR-035
3. OU-RQ-035-PRG Water replenishes assurance process requirements
4. https://ingres.iith.ac.in/gecdataonline/gis/INDIA

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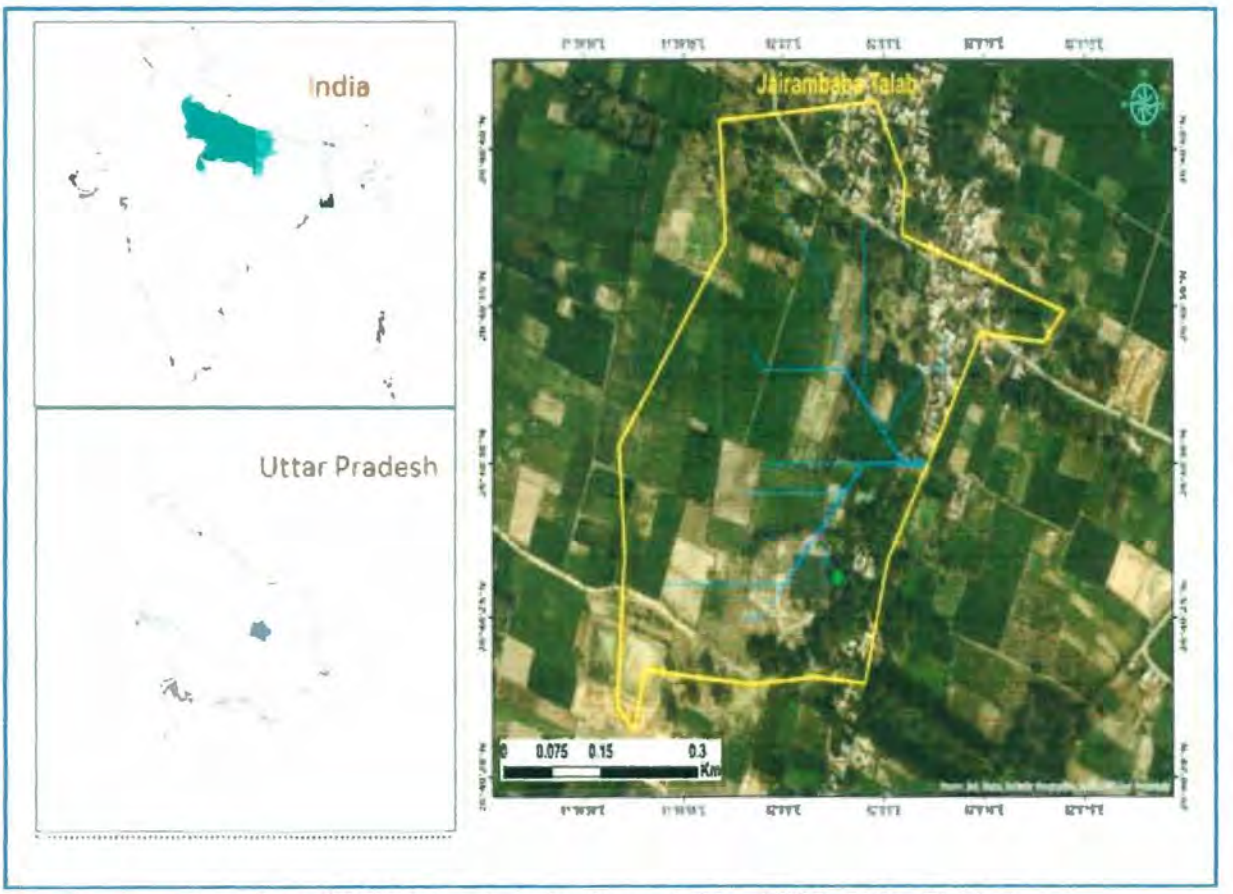
PROJECT NAME: Pond restoration and installation of recharge shaft

PROJECT ID #: UPS402

DESCRIPTION OF ACTIVITY: Recharge shaft (6) constructed for de-silting and rejuvenated pond

LOCATION: Jairambaba Talab, Urmarupipur Village, Milkypur Block, Faizabad District, Uttar Pradesh, India.

Project Location	Distance in KM away from ABPL plant	Watershed	Longitude	Lattitude
Jairambaba Talab, Urmarupipur Village	19 km	Outside the plant operating watershed	82.000750°	26.673972°



Location of RWH structure implemented by ABPL, Uttar Pradesh

PRIMARY CONTACTS:

Bottiling Unit
Umesh C Joshi
QSE Manager
Amrit Bottlers Pvt. Ltd.,
Faizabad, Uttar Pradesh, India
Phone: +91-9554953181
umeshjoshi@cocacolafzd.com

Operating Unit
Gopu T Rao
Hydrogeologist
Coca-Cola India Pvt. Limited
Gurgaon, India
Phone: +91-9740951234
gorao@coca-cola.com

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SITE VISIT CONDUCTED BY: Mr. Thogaru Rajesh. Mainstay Development Consultants Pvt. Ltd, Secunderabad

The field validation is conducted on 21st to 23rd December 2023 along with Mr. Umesh C Joshi, QSE Manager, Mr. Jitendra, Environmental coordinator ABPL.

OBJECTIVES:

- Harvesting rainwater runoff and recharging local aquifers
- Provide source water for irrigation and domestic during monsoon and non-monsoon seasons
- Positively contribute to the rejuvenation of micro-climatic conditions

BACKGROUND & ACTIVITY DESCRIPTION:

Traditionally in the past, Indian farmers have managed ponds and developed small water bodies in localized depressions to collect water that is used for domestic and irrigation. However, over the years the ponds got silted up due to a lack of de-siltation practices and maintenance. In the recent past under the MNREGA union government scheme, ponds and local water bodies have been identified for de-siltation and rejuvenation, by using appropriate technology options that are suitable to local topographical/hydrogeological conditions. Such rejuvenated ponds recharge local aquifers, by re-charging old tubes and dug wells during the monsoon period and providing water for domestic and irrigation for communities. Local Coca-Cola bottlers have identified such ponds and water bodies for undertaking rejuvenation and augmentation.

The project activity involves two steps 1) identification of de-silted and rejuvenated ponds under the MNREGA scheme; 2) installation of a shaft system to facilitate recharge of groundwater. De-silting typically increases the pond depth from 2-3 meters. The villagers are benefiting as a result of these activities. The projects are maintained annually.

Figure1.1- Pond with Recharge shafts (Date of Visit: 22/12/2023)

SUMMARY OF REPLENISH BENEFIT:

- 2023 COCA-COLA REPLENISH BENEFIT AS A FUNCTION OF COST-SHARE: 10,140KL/YR

ACTIVITY TIMELINE:

- Project initiated on 05th June 2010
- The project was completed on 20th June 2010 and was fully operational in 2010

COCA-COLA CONTRIBUTION: 100% for the project

Total project cost: 0.003MnUSD TCCC contributions:

The project is funded and implemented by Coca-Cola bottlers in the local community.

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WATERSHED BENEFITS CALCULATED:

- Increased groundwater recharge.

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1. INCREASED INFILTRATION

Approach & Results

The replenish benefit is calculated as the volume of water recharged to the aquifer. The recharge volume is equal to the minimum of supply and available storage (after accounting for evaporative and usage losses).

The volume of water available for aquifer recharge is estimated separately for each pond by calculating the supply of available runoff from the catchment according to the equation below:
Supply (m^3) = Catchment Area (m^2) x Annual Rainfall (m) x Catchment Coefficient

The supply from the catchment is compared to the available storage of the ponds. Storage potential was estimated by considering the number of times the ponds will fill to maximum volume. It was conservatively assumed that each pond can potentially be filled two times (in cases of hard rock sub-surface geology) or three times (in cases of soft rock sub-surface geology) its volume annually. The volume of water captured by the ponds is estimated as the minimum of supply and available storage (after accounting for usage and evaporation losses of storage potential).

Table 1. Dimensions of the pond area

State	Check Dam/Pond Location/any other	Avg. Length (m)	Avg. Width (m)	Avg. Depth (m)	Pond Volume (m3)
Uttar Pradesh	Jairambaba Talab	60	60	2.35	8,450

Table 2. Summary of pond characteristics and estimated recharge volume

State	Location of Project	Catchment Area (Sq.km)	Annual Rainfall (mm)	Supply Volume (m3/yr.)	Storage Potential (m3)	Total Recharge Volume (m3/yr.)
Uttar Pradesh	Jairambaba Talab	4	1033.3	3,09,900	8,450	10,140

The total estimated replenish benefit from the ponds is provided below:

- Benefit (increase in recharge): 10,140KL/yr.
- The total (ultimate) water quantity benefit is 10,140KL/yr.
- TCCC total (ultimate) benefit taken as a function of cost-share is 10,140KL/yr.

The current (2023) benefit and projected benefits are based on the total benefit, adjusted to account for the implementation schedule and TCCC cost share. These are presented below.

2023 Replenish Benefit

The 2023 benefit is the performance-based benefit from this activity as of the end of the calendar year 2023. The total 2023 benefit is 10,140KL/yr. and TCCC's benefit (adjusted for cost-share) is 10,140KL/yr.

Projected Water Quantity Benefits Summary

Table 3 shows the projected benefits that this activity will provide if the project remains in productive service. All projected benefits will be verified by TCCC before they are reported as actual benefits. The benefits are scaled for the implementation schedule in the second column and scaled further for the TCCC cost share in the third column.

Table 3: Shows the Projected Water Quantity Benefits Summary

Year	Total Benefit (KL/yr.)	Adjusted for TCCC Cost Share (KL/yr.)
2023	10,140	10,140
2024	10,140	10,140
2025	10,140	10,140
Ultimate Benefit:	10,140	10,140

Data Sources

- Data on pond volumes, catchment areas, and rainfall were provided by the **Amrit Bottlers Pvt. Ltd., Faizabad.**

Maintenance Status

- Pond and recharge structures are in good condition need minor cleaning maintenance.

Assumptions

- The ponds are maintained properly. This includes annually clearing of pond inlet and the openings of the recharge shafts of debris before the arrival of monsoon rain.

OTHER BENEFITS NOT QUANTIFIED

- Local employment opportunities during construction and maintenance
- Drinking water facility for cattle and wildlife.
- Reduce runoff and sediment erosion and creates water storage facilities.

NOTES

- Awareness building programs for the community on water replenishment projects is important and sharing benefits to stakeholders on yearly basis goes as best practice.

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REFERENCES

1. Manual on artificial recharge of groundwater, CGWB 2007
2. Replenish Assurance Processes and Documentation Requirements "supplemental KORE Requirements" KORE documents OU-SR-035
3. OU-RQ-035-PRG Water replenishes assurance process requirements
4. https://ingres.iith.ac.in/gecdataonline/gis/INDIA

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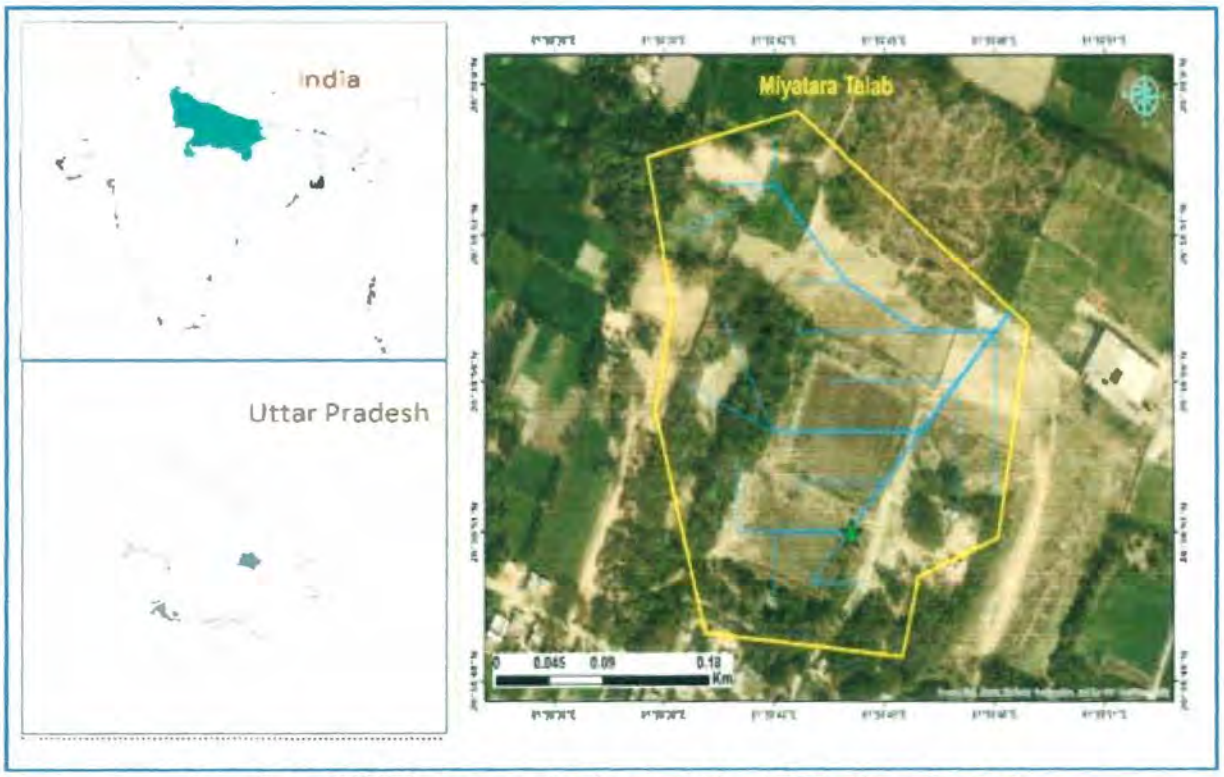
PROJECT NAME: Pond restoration and installation of recharge shaft

PROJECT ID #: UPS403

DESCRIPTION OF ACTIVITY: Recharge shaft (6) constructed for de-silting and rejuvenated pond

LOCATION: Miyatara Talab, Bhadosara Village, Milkypur Block, Faizabad District, Uttar Pradesh, India.

Project Location	Distance in KM away from ABPL plant	Watershed	Longitude	Lattitude
Miyatara Talab, Bhadosara Village	25 km	Outside the plant operating watershed	81.995583°	26.647520°



Location of RWH structure implemented by ABPL, Uttar Pradesh

PRIMARY CONTACTS:

Bottiling Unit
Umesh C Joshi
QSE Manager
Amrit Bottlers Pvt. Ltd.,
Faizabad, Uttar Pradesh, India
Phone: +91-9554953181
umeshjoshi@cocacolafzd.com

Operating Unit
Gopu T Rao
Hydrogeologist
Coca-Cola India Pvt. Limited
Gurgaon, India
Phone: +91-9740951234
gorao@coca-cola.com

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SITE VISIT CONDUCTED BY: Mr. Thogaru Rajesh. Mainstay Development Consultants Pvt. Ltd, Secunderabad

The field validation is conducted on 21st to 23rd December 2023 along with Mr. Umesh C Joshi, QSE Manager, Mr. Jitendra, Environmental coordinator ABPL.

OBJECTIVES:

- Harvesting rainwater runoff and recharging local aquifers
- Provide source water for irrigation and domestic during monsoon and non-monsoon seasons
- Positively contribute to the rejuvenation of micro-climatic conditions.

BACKGROUND & ACTIVITY DESCRIPTION:

Traditionally in the past, Indian farmers have managed ponds and developed small water bodies in localized depressions to collect water that is used for domestic and irrigation. However, over the years the ponds got silted up due to a lack of de-siltation practices and maintenance. In the recent past under the MNREGA union government scheme, ponds and local water bodies have been identified for de-siltation and rejuvenation, by using appropriate technology options that are suitable to local topographical/hydrogeological conditions. Such rejuvenated ponds recharge local aquifers, by re-charging old tubes and dug wells during the monsoon period and providing water for domestic and irrigation for communities. Local Coca-Cola bottlers have identified such ponds and water bodies for undertaking rejuvenation and augmentation.

The project activity involves two steps 1) identification of de-silted and rejuvenated ponds under the MNREGA scheme; 2) installation of a shaft system to facilitate recharge of groundwater. De-silting typically increases the pond depth from 2-3 meters. The villagers are benefiting as a result of these activities. The projects are maintained annually.

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Figure1.1- Pond with Recharge shafts (Date of Visit: 22/12/2023)

SUMMARY OF REPLENISH BENEFIT:

- 2023 COCA-COLA REPLENISH BENEFIT AS A FUNCTION OF COST-SHARE: 12,840KL/YR

ACTIVITY TIMELINE:

- Project initiated on 05th June 2010
- The project was completed on 20th June 2010 and was fully operational in 2010

COCA-COLA CONTRIBUTION: 100% for the project

Total project cost: 0.004MnUSD TCCC contributions:

The project is funded and implemented by Coca-Cola bottlers in the local community.

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WATERSHED BENEFITS CALCULATED:

- Increased groundwater recharge.

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1. INCREASED INFILTRATION

Approach & Results

The replenish benefit is calculated as the volume of water recharged to the aquifer. The recharge volume is equal to the minimum of supply and available storage (after accounting for evaporative and usage losses).

The volume of water available for aquifer recharge is estimated separately for each farm pond by calculating the supply of available runoff from the catchment according to the equation below:
Supply (m^3) = Catchment Area (m^2) x Annual Rainfall (m) x Catchment Coefficient

The supply from the catchment is compared to the available storage of the farm's ponds. Storage potential was estimated by considering the number of times the farm ponds will fill to maximum volume. It was conservatively assumed that each pond can potentially be filled two times (in cases of hard rock sub-surface geology) or three times (in cases of soft rock sub-surface geology) its volume annually. The volume of water captured by the farm ponds is estimated as the minimum of supply and available storage (after accounting for usage and evaporation losses of storage potential).

Table 1. Dimensions of the pond

State	Check Dam/Pond Location/any other	Avg. Length (m)	Avg. Width (m)	Avg. Depth (m)	Pond Volume (m3)
Uttar Pradesh	Miyatara Talab	80	60	2.23	10,700

Table 2. Summary of Pond area characteristics and estimated recharge volume

State	Location of Project	Catchment Area (Sq.km)	Annual Rainfall (mm)	Supply Volume (m3/yr.)	Storage Potential (m3)	Total Recharge Volume (m3/yr.)
Uttar Pradesh	Miyatara Talab	3	1033.3	2,32,425	10,700	12,840

The total estimated replenish benefit from the ponds is provided below:

- Benefit (increase in recharge): 12,840KL/yr.
- The total (ultimate) water quantity benefit is 12,840KL/yr.
- TCCC total (ultimate) benefit taken as a function of cost-share is 12,840KL/yr.

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The current (2023) benefit and projected benefits are based on the total benefit, adjusted to account for the implementation schedule and TCCC cost share. These are presented below.

2023 Replenish Benefit

The 2023 benefit is the performance-based benefit from this activity as of the end of the calendar year 2023. The total 2023 benefit is 12,840KL/yr. and TCCC's benefit (adjusted for cost-share) is 12,840KL/yr.

Projected Water Quantity Benefits Summary

Table 3 shows the projected benefits that this activity will provide if the project remains in productive service. All projected benefits will be verified by TCCC before they are reported as actual benefits. The benefits are scaled for the implementation schedule in the second column and scaled further for the TCCC cost share in the third column.

Table 3: Shows the Projected Water Quantity Benefits Summary

Year	Total Benefit (KL/yr.)	Adjusted for TCCC Cost Share (KL/yr.)
2023	12,840	12,840
2024	12,840	12,840
2025	12,840	12,840
Ultimate Benefit:	12,840	12,840

Data Sources

- Data on pond volumes, catchment areas, and rainfall were provided by the **Amrit Bottlers Pvt. Ltd., Faizabad.**

Maintenance Status

- Pond and recharge structures are in good condition need minor cleaning maintenance.

Assumptions

- The ponds are maintained properly. This includes annually clearing of pond inlet and bushes before the arrival of monsoon rain.

OTHER BENEFITS NOT QUANTIFIED

- Local employment opportunities during construction and maintenance
- Drinking water facility for cattle and wildlife.
- Reduce runoff and sediment erosion and creates water storage facilities.

NOTES

- Awareness building programs for the community on water replenishment projects is important and sharing benefits to stakeholders on yearly basis goes as best practice.

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REFERENCES

1. Manual on artificial recharge of groundwater, CGWB 2007
2. Replenish Assurance Processes and Documentation Requirements "supplemental KORE Requirements" KORE documents OU-SR-035
3. OU-RQ-035-PRG Water replenishes assurance process requirements
4. https://ingres.iith.ac.in/gecdataonline/gis/INDIA

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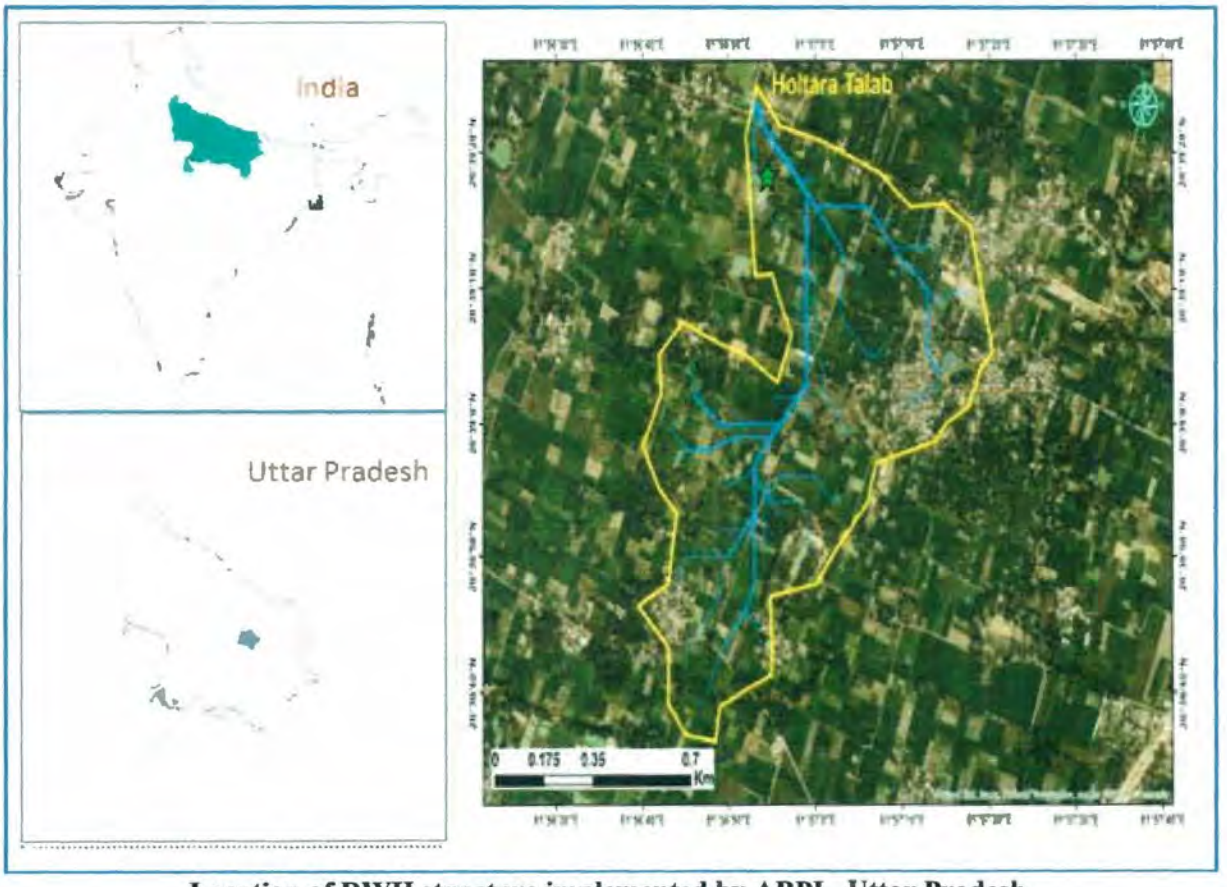
PROJECT NAME: Pond restoration and installation of recharge shaft

PROJECT ID #: UPS404

DESCRIPTION OF ACTIVITY: Recharge shaft (10) constructed for de-silting and rejuvenated pond

LOCATION: Holtara Talab, Severa Village, Milkypur Block, Faizabad District, Uttar Pradesh, India.

Project Location	Distance in KM away from ABPL plant	Watershed	Longitude	Lattitude
Holtara Talab, Severa Village	25 km	Outside the plant operating watershed	81.948472°	26.655089°



Location of RWH structure implemented by ABPL, Uttar Pradesh

PRIMARY CONTACTS:

Bottiling Unit
Umesh C Joshi
QSE Manager
Amrit Bottlers Pvt. Ltd.,
Faizabad, Uttar Pradesh, India
Phone: +91-9554953181
umeshjoshi@cocacolafzd.com

Operating Unit
Gopu T Rao
Hydrogeologist
Coca-Cola India Pvt. Limited
Gurgaon, India
Phone: +91-9740951234
gorao@coca-cola.com

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SITE VISIT CONDUCTED BY: Mr. Thogaru Rajesh. Mainstay Development Consultants Pvt. Ltd, Secunderabad

The field validation is conducted on 21st to 23rd December 2023 along with Mr. Umesh C Joshi, QSE Manager, Mr. Jitendra, Environmental coordinator ABPL.

OBJECTIVES:

- Harvesting rainwater runoff and recharging local aquifers
- Provide source water for irrigation and domestic during monsoon and non-monsoon seasons
- Positively contribute to the rejuvenation of micro-climatic conditions

BACKGROUND & ACTIVITY DESCRIPTION:

Traditionally in the past, Indian farmers have managed ponds and developed small water bodies in localized depressions to collect water that is used for domestic and irrigation. However, over the years the ponds got silted up due to a lack of de-siltation practices and maintenance. In the recent past under the MNREGA union government scheme, ponds and local water bodies have been identified for de-siltation and rejuvenation, by using appropriate technology options that are suitable to local topographical/hydrogeological conditions. Such rejuvenated ponds recharge local aquifers, by re-charging old tubes and dug wells during the monsoon period and providing water for domestic and irrigation for communities. Local Coca-Cola bottlers have identified such ponds and water bodies for undertaking rejuvenation and augmentation.

The project activity involves two steps 1) identification of de-silted and rejuvenated ponds under the MNREGA scheme; 2) installation of a shaft system to facilitate recharge of groundwater. De-silting typically increases the pond depth from 2-3 meters. The villagers are benefiting as a result of these activities. The projects are maintained annually.

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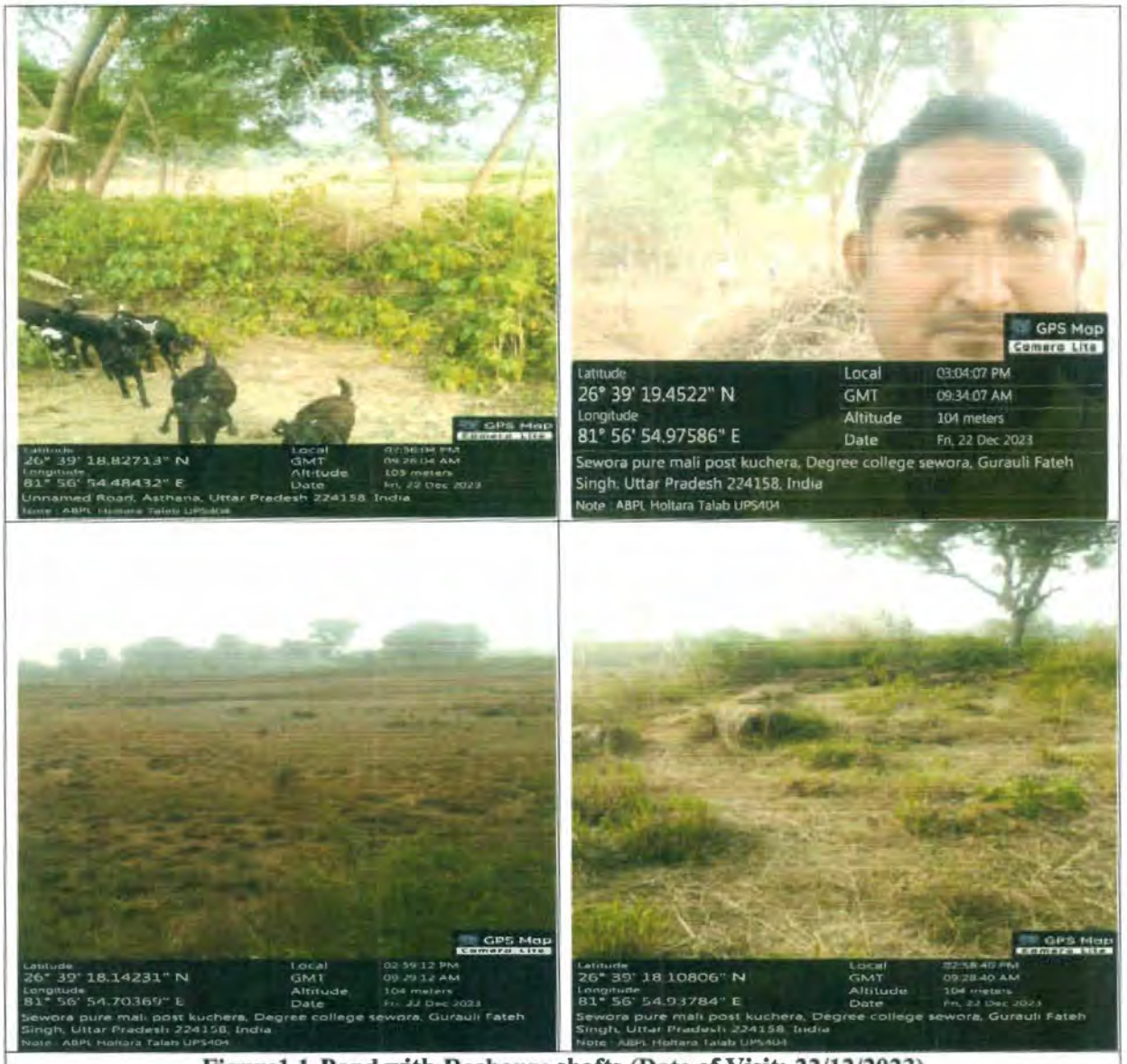

Figure1.1-Pond with Recharge shafts (Date of Visit: 22/12/2023)

SUMMARY OF REPLENISH BENEFIT:

- 2023 COCA-COLA REPLENISH BENEFIT AS A FUNCTION OF COST-SHARE: 16,620KL/YR

ACTIVITY TIMELINE:

- Project initiated on 05th June 2010
- The project was completed on 26th June 2010 and was fully operational in 2010

COCA-COLA CONTRIBUTION: 100% for the project

Total project cost: 0.005 MnUSD TCCC contributions:

The project is funded and implemented by Coca-Cola bottlers in the local community.

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WATERSHED BENEFITS CALCULATED:

- Increased groundwater recharge.

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1. INCREASED INFILTRATION

Approach & Results

The replenish benefit is calculated as the volume of water recharged to the aquifer. The recharge volume is equal to the minimum of supply and available storage (after accounting for evaporative and usage losses).

The volume of water available for aquifer recharge is estimated separately for each pond by calculating the supply of available runoff from the catchment according to the equation below:
Supply (m^3) = Catchment Area (m^2) x Annual Rainfall (m) x Catchment Coefficient

The supply from the catchment is compared to the available storage of the ponds. Storage potential was estimated by considering the number of times the ponds will fill to maximum volume. It was conservatively assumed that each pond can potentially be filled two times (in cases of hard rock sub-surface geology) or three times (in cases of soft rock sub-surface geology) its volume annually. The volume of water captured by the ponds is estimated as the minimum of supply and available storage (after accounting for usage and evaporation losses of storage potential).

Table 1. Dimensions of the pond

State	Check Dam/Pond Location/any other	Avg. Length (m)	Avg. Width (m)	Avg. Depth (m)	Pond Volume (m3)
Uttar Pradesh	Holtara Talab	80	75	2.31	13,850

Table 2. Summary of Pond area characteristics and estimated recharge volume

State	Location of Project	Catchment Area (Sq.km)	Annual Rainfall (mm)	Supply Volume (m3/yr.)	Storage Potential (m3)	Total Recharge Volume (m3/yr.)
Uttar Pradesh	Holtara Talab	3	1033.3	2,32,425	13,850	16,620

The total estimated replenish benefit from the ponds is provided below:

- Benefit (increase in recharge): 16,620KL/yr.
- The total (ultimate) water quantity benefit is 16,620KL/yr.
- TCCC total (ultimate) benefit taken as a function of cost-share is 16,620KL/yr.

The current (2023) benefit and projected benefits are based on the total benefit, adjusted to account for the implementation schedule and TCCC cost share. These are presented below.

2023 Replenish Benefit

The 2023 benefit is the performance-based benefit from this activity as of the end of the calendar year 2023. The total 2023 benefit is 16,620KL/yr. and TCCC's benefit (adjusted for cost-share) is 16,620KL/yr.

Projected Water Quantity Benefits Summary

Table 3 shows the projected benefits that this activity will provide if the project remains in productive service. All projected benefits will be verified by TCCC before they are reported as actual benefits. The benefits are scaled for the implementation schedule in the second column and scaled further for the TCCC cost share in the third column.

Table 3: Shows the Projected Water Quantity Benefits Summary

Year	Total Benefit (KL/yr.)	Adjusted for TCCC Cost Share (KL/yr.)
2023	16,620	16,620
2024	16,620	16,620
2025	16,620	16,620
Ultimate Benefit:	16,620	16,620

Data Sources

- Data on pond volumes, catchment areas, and rainfall were provided by the **Amrit Bottlers Pvt. Ltd., Faizabad.**

Maintenance Status

- Pond and recharge structures are in good condition need minor cleaning maintenance.

Assumptions

- The ponds are maintained properly. This includes annually clearing of pond inlet and the openings of the recharge shafts of the debris before the arrival of monsoon rain.

OTHER BENEFITS NOT QUANTIFIED

- Local employment opportunities during construction and maintenance
- Drinking water facility for cattle and wildlife.
- Reduce runoff and sediment erosion and creates water storage facilities.

NOTES

- Awareness building programs for the community on water replenishment projects is important and sharing benefits to stakeholders on yearly basis goes as best practice.

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REFERENCES

1. Manual on artificial recharge of groundwater, CGWB 2007
2. Replenish Assurance Processes and Documentation Requirements "supplemental KORE Requirements" KORE documents OU-SR-035
3. OU-RQ-035-PRG Water replenishes assurance process requirements
4. https://ingres.iith.ac.in/gecdataonline/gis/INDIA

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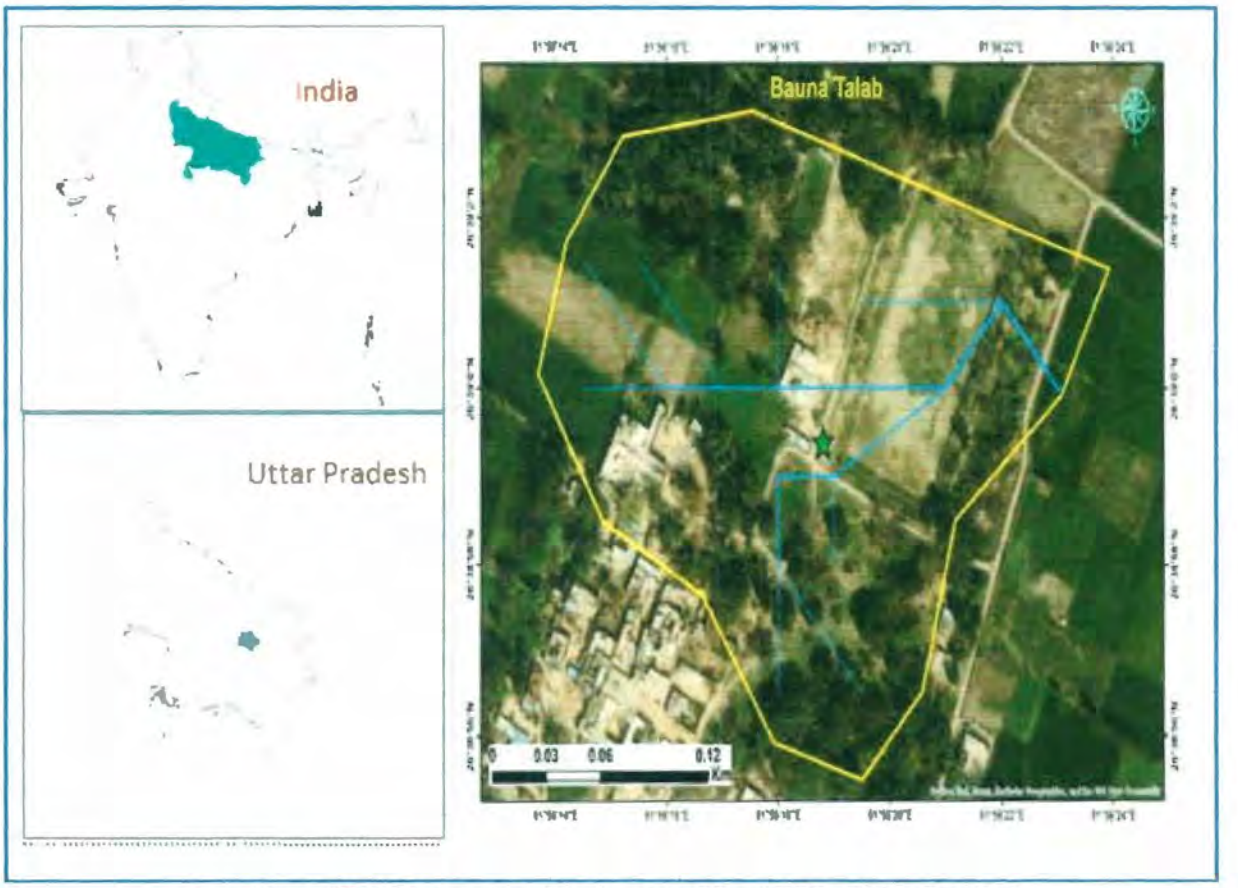
PROJECT NAME: Pond restoration and installation of recharge shaft

PROJECT ID #: UPS405

DESCRIPTION OF ACTIVITY: Recharge shaft (10) constructed for de-silting and rejuvenated pond

LOCATION: Bauna Talab, Alipur Khajuri Village, Milkypur Block, Faizabad District, Uttar Pradesh, India.

Project Location	Distance in KM away from ABPL plant	Watershed	Longitude	Lattitude
Bauna Talab, Alipur Khajuri Village	27 km	Outside the plant operating watershed	81.938556°	26.649833°



Location of RWH structure implemented by ABPL, Uttar Pradesh

PRIMARY CONTACTS:

Bottiling Unit
Umesh C Joshi
QSE Manager
Amrit Bottlers Pvt. Ltd.,
Faizabad, Uttar Pradesh, India
Phone: +91-9554953181
umeshjoshi@cocacolafzd.com

Operating Unit
Gopu T Rao
Hydrogeologist
Coca-Cola India Pvt. Limited
Gurgaon, India
Phone: +91-9740951234
gorao@coca-cola.com

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SITE VISIT CONDUCTED BY: Mr. Thogaru Rajesh. Mainstay Development Consultants Pvt. Ltd, Secunderabad

The field validation is conducted on 21st to 23rd December 2023 along with Mr. Umesh C Joshi, QSE Manager, Mr. Jitendra, Environmental coordinator ABPL.

OBJECTIVES:

- Harvesting rainwater runoff and recharging local aquifers
- Provide source water for irrigation and domestic during monsoon and non-monsoon seasons
- Positively contribute to the rejuvenation of micro-climatic conditions.

BACKGROUND & ACTIVITY DESCRIPTION:

Traditionally in the past, Indian farmers have managed ponds and developed small water bodies in localized depressions to collect water that is used for domestic and irrigation. However, over the years the ponds got silted up due to a lack of de-siltation practices and maintenance. In the recent past under the MNREGA union government scheme, ponds and local water bodies have been identified for de-siltation and rejuvenation, by using appropriate technology options that are suitable to local topographical/hydrogeological conditions. Such rejuvenated ponds recharge local aquifers, by re-charging old tubes and dug wells during the monsoon period and providing water for domestic and irrigation for communities. Local Coca-Cola bottlers have identified such ponds and water bodies for undertaking rejuvenation and augmentation.

The project activity involves two steps 1) identification of de-silted and rejuvenated ponds under the MNREGA scheme; 2) installation of a shaft system to facilitate recharge of groundwater. De-silting typically increases the pond depth from 2-3 meters. The villagers are benefiting as a result of these activities. The projects are maintained annually.

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Figure1.1- Pond with Recharge shafts (Date of Visit: 22/12/2023)

SUMMARY OF REPLENISH BENEFIT:

- 2023 COCA-COLA REPLENISH BENEFIT AS A FUNCTION OF COST-SHARE: 21,030KL/YR

ACTIVITY TIMELINE:

- Project initiated on05th June 2010
- The project was completed on 26th June 2010 and was fully operational in 2010

COCA-COLA CONTRIBUTION: 100% for the project

Total project cost: 0.006MnUSD TCCC contributions:

The project is funded and implemented by Coca-Cola bottlers in the local community.

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WATERSHED BENEFITS CALCULATED:

- Increased groundwater recharge.

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1. INCREASED INFILTRATION

Approach & Results

The replenish benefit is calculated as the volume of water recharged to the aquifer. The recharge volume is equal to the minimum of supply and available storage (after accounting for evaporative and usage losses).

The volume of water available for aquifer recharge is estimated separately for each pond by calculating the supply of available runoff from the catchment according to the equation below:
Supply (m^3) = Catchment Area (m^2) x Annual Rainfall (m) x Catchment Coefficient

The supply from the catchment is compared to the available storage of the ponds. Storage potential was estimated by considering the number of times the ponds will fill to maximum volume. It was conservatively assumed that each pond can potentially be filled two times (in cases of hard rock sub-surface geology) or three times (in cases of soft rock sub-surface geology) its volume annually. The volume of water captured by the ponds is estimated as the minimum of supply and available storage (after accounting for usage and evaporation losses of storage potential)

Table 1. Dimensions of the pond

State	Check Dam/Pond Location/any other	Avg. Length (m)	Avg. Width (m)	Avg. Depth (m)	Pond Volume (m3)
Uttar Pradesh	Bauna Talab	115	65	2.35	17,525

Table 2. Summary of Pond area characteristics and estimated recharge volume

State	Location of Project	Catchment Area (Sq.km)	Annual Rainfall (mm)	Supply Volume (m3/yr.)	Storage Potential (m3)	Total Recharge Volume (m3/yr.)
Uttar Pradesh	Bauna Talab	3	1033.3	2,32,425	17,525	21,030

The total estimated replenish benefit from the ponds is provided below:

- Benefit (increase in recharge): 21,030KL/yr.
- The total (ultimate) water quantity benefit is 21,030KL/yr.
- TCCC total (ultimate) benefit taken as a function of cost-share is 21,030KL/yr.

The current (2023) benefit and projected benefits are based on the total benefit, adjusted to account for the implementation schedule and TCCC cost share. These are presented below.

2023 Replenish Benefit

The 2023 benefit is the performance-based benefit from this activity as of the end of the calendar year 2023. The total 2023 benefit is 21,030KL/yr. and TCCC's benefit (adjusted for cost-share) is 21,030KL/yr.

Projected Water Quantity Benefits Summary

Table 3 shows the projected benefits that this activity will provide if the project remains in productive service. All projected benefits will be verified by TCCC before they are reported as actual benefits. The benefits are scaled for the implementation schedule in the second column and scaled further for the TCCC cost share in the third column.

Table 3: Shows the Projected Water Quantity Benefits Summary

Year	Total Benefit (KL/yr.)	Adjusted for TCCC Cost Share (KL/yr.)
2023	21,030	21,030
2024	21,030	21,030
2025	21,030	21,030
Ultimate Benefit:	21,030	21,030

Data Sources

- Data on pond volumes, catchment areas, and rainfall were provided by the **Amrit Bottlers Pvt. Ltd., Faizabad.**

Maintenance Status

- Pond and recharge structures are in good condition need minor cleaning maintenance.

Assumptions

- The ponds are maintained properly. This includes annually clearing of pond inlet and the openings of the recharge shafts of the debris before the arrival of monsoon rain.

OTHER BENEFITS NOT QUANTIFIED

- Local employment opportunities during construction and maintenance
- Drinking water facility for cattle and wildlife.
- Reduce runoff and sediment erosion and creates water storage facilities.

NOTES

- Awareness building programs for the community on water replenishment projects is important and sharing benefits to stakeholders on yearly basis goes as best practice.

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REFERENCES

1. Manual on artificial recharge of groundwater, CGWB 2007
2. Replenish Assurance Processes and Documentation Requirements "supplemental KORE Requirements" KORE documents OU-SR-035
3. OU-RQ-035-PRG Water replenishes assurance process requirements
4. https://ingres.iith.ac.in/gecdataonline/gis/INDIA

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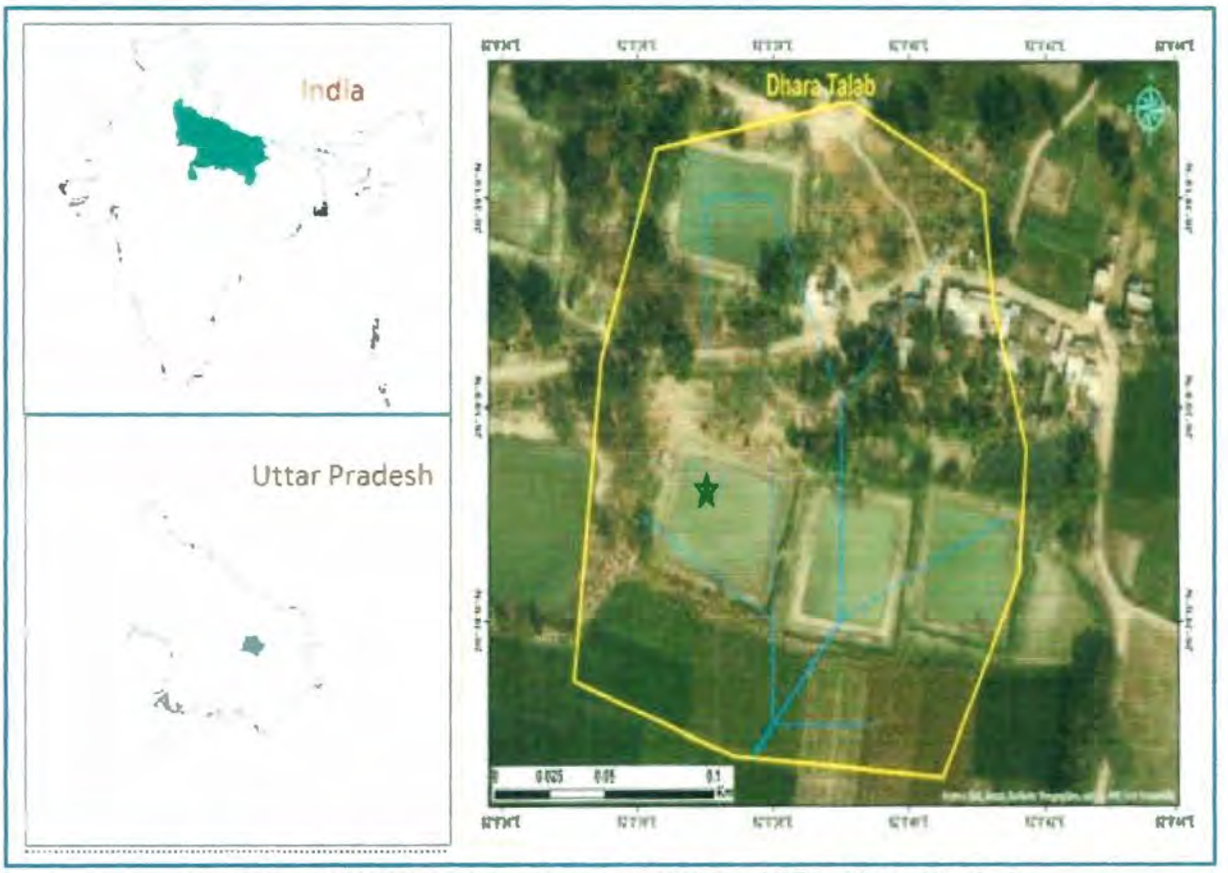
PROJECT NAME: Pond restoration and installation of recharge shaft

PROJECT ID #: UPS406

DESCRIPTION OF ACTIVITY: Recharge shaft (4) constructed for de-silting and rejuvenated pond

LOCATION: Dhara Talab, Sari Village, Milkypur Block, Faizabad District, Uttar Pradesh, India.

Project Location	Distance in KM away from ABPL plant	Watershed	Longitude	Lattitude
Dhara Talab, Sari Village	20 km	Outside the plant operating watershed	82.010278°	26.652222°



Location of RWH structure implemented by ABPL, Uttar Pradesh

PRIMARY CONTACTS:

Bottiling Unit
Umesh C Joshi
QSE Manager
Amrit Bottlers Pvt. Ltd.,
Faizabad, Uttar Pradesh, India
Phone: +91-9554953181
umeshjoshi@cocacolafzd.com

Operating Unit
Gopu T Rao
Hydrogeologist
Coca-Cola India Pvt. Limited
Gurgaon, India
Phone: +91-9740951234
gorao@coca-cola.com

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SITE VISIT CONDUCTED BY: Mr. Thogaru Rajesh. Mainstay Development Consultants Pvt. Ltd, Secunderabad

The field validation is conducted on 21st to 23rd December 2023 along with Mr. Umesh C Joshi, QSE Manager, Mr. Jitendra, Environmental coordinator ABPL.

OBJECTIVES:

- Harvesting rainwater runoff and recharging local aquifers
- Provide source water for irrigation and domestic during monsoon and non-monsoon seasons
- Positively contribute to the rejuvenation of micro-climatic conditions

BACKGROUND & ACTIVITY DESCRIPTION:

Traditionally in the past, Indian farmers have managed ponds and developed small water bodies in localized depressions to collect water that is used for domestic and irrigation. However, over the years the ponds got silted up due to a lack of de-siltation practices and maintenance. In the recent past under the MNREGA union government scheme, ponds and local water bodies have been identified for de-siltation and rejuvenation, by using appropriate technology options that are suitable to local topographical/hydrogeological conditions. Such rejuvenated ponds recharge local aquifers, by re-charging old tubes and dug wells during the monsoon period and providing water for domestic and irrigation for communities. Local Coca-Cola bottlers have identified such ponds and water bodies for undertaking rejuvenation and augmentation.

The project activity involves two steps 1) identification of de-silted and rejuvenated ponds under the MNREGA scheme; 2) installation of a shaft system to facilitate recharge of groundwater. De-silting typically increases the pond depth from 2-3 meters. The villagers are benefiting as a result of these activities. The projects are maintained annually.

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Figure1.1- Pond with Recharge shafts (Date of Visit: 22/12/2023)

SUMMARY OF REPLENISH BENEFIT:

- 2023 COCA-COLA REPLENISH BENEFIT AS A FUNCTION OF COST-SHARE: 5,700KL/YR

ACTIVITY TIMELINE:

- Project initiated on 05th June 2010
- The project was completed on 17th June 2010 and was fully operational in 2010

COCA-COLA CONTRIBUTION: 100% for the project

Total project cost: 0.002MnUSD TCCC contributions:

The project is funded and implemented by Coca-Cola bottlers in the local community.

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WATERSHED BENEFITS CALCULATED:

- Increased groundwater recharge.

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1. INCREASED INFILTRATION

Approach & Results

The replenish benefit is calculated as the volume of water recharged to the aquifer. The recharge volume is equal to the minimum of supply and available storage (after accounting for evaporative and usage losses).

The volume of water available for aquifer recharge is estimated separately for each pond by calculating the supply of available runoff from the catchment according to the equation below:
Supply (m^3) = Catchment Area (m^2) x Annual Rainfall (m) x Catchment Coefficient

The supply from the catchment is compared to the available storage of the ponds. Storage potential was estimated by considering the number of times the ponds will fill to maximum volume. It was conservatively assumed that each pond can potentially be filled two times (in cases of hard rock sub-surface geology) or three times (in cases of soft rock sub-surface geology) its volume annually. The volume of water captured by the ponds is estimated as the minimum of supply and available storage (after accounting for usage and evaporation losses of storage potential)

Table 1. Dimensions of the pond

State	Check Dam/Pond Location/any other	Avg. Length (m)	Avg. Width (m)	Avg. Depth (m)	Pond Volume (m3)
Uttar Pradesh	Dhara Talab	50	40	1.9	3,800

Table 2. Summary of Pond area characteristics and estimated recharge volume

State	Location of Project	Catchment Area (Sq.km)	Annual Rainfall (mm)	Supply Volume (m3/yr.)	Storage Potential (m3)	Total Recharge Volume (m3/yr.)
Uttar Pradesh	Dhara Talab	5	1033.3	3,87,375	3,800	5,700

The total estimated replenish benefit from the farm ponds is provided below:

- Benefit (increase in recharge): 5,700KL/yr.
- The total (ultimate) water quantity benefit is 5,700KL/yr.
- TCCC total (ultimate) benefit taken as a function of cost-share is 5,700KL/yr.

The current (2023) benefit and projected benefits are based on the total benefit, adjusted to account for the implementation schedule and TCCC cost share. These are presented below.

2023 Replenish Benefit

The 2023 benefit is the performance-based benefit from this activity as of the end of the calendar year 2023. The total 2023 benefit is 5,700KL/yr. and TCCC's benefit (adjusted for cost-share) is 5,700KL/yr.

Projected Water Quantity Benefits Summary

Table 3 shows the projected benefits that this activity will provide if the project remains in productive service. All projected benefits will be verified by TCCC before they are reported as actual benefits. The benefits are scaled for the implementation schedule in the second column and scaled further for the TCCC cost share in the third column.

Table 3 Shows the Projected Water Quantity Benefits Summary

Year	Total Benefit (KL/yr.)	Adjusted for TCCC Cost Share (KL/yr.)
2023	5,700	5,700
2024	5,700	5,700
2025	5,700	5,700
Ultimate Benefit:	5,700	5,700

Data Sources

- Data on pond volumes, catchment areas, and rainfall were provided by the **Amrit Bottlers Pvt. Ltd., Faizabad.**

Maintenance Status

- Pond and recharge structures are in good condition need minor cleaning maintenance.

Assumptions

- The ponds are maintained properly. This includes annually clearing of pond inlet and the openings of the recharge shafts of the debris before the arrival of monsoon rain.

OTHER BENEFITS NOT QUANTIFIED

- Local employment opportunities during construction and maintenance
- Drinking water facility for cattle and wildlife.
- Reduce runoff and sediment erosion and creates water storage facilities.

NOTES

- Awareness building programs for the community on water replenishment projects is important and sharing benefits to stakeholders on yearly basis goes as best practice.

- important and sharing benefits to stakeholders on yearly basis goes as best practice.

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REFERENCES

1. Manual on artificial recharge of groundwater, CGWB 2007
2. Replenish Assurance Processes and Documentation Requirements "supplemental KORE Requirements" KORE documents OU-SR-035
3. OU-RQ-035-PRG Water replenishes assurance process requirements
4. https://ingres.iith.ac.in/gecdataonline/gis/INDIA

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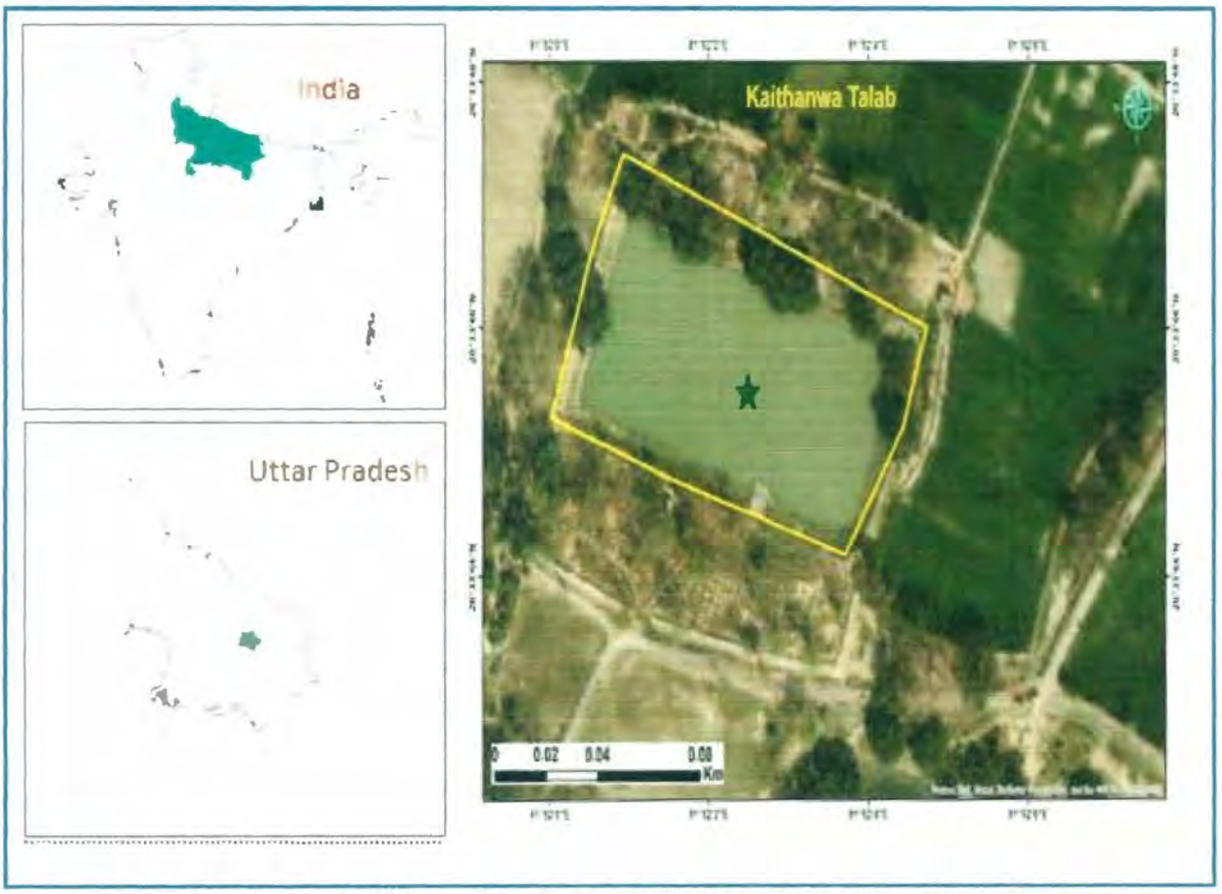
PROJECT NAME: Pond restoration and installation of recharge shaft

PROJECT ID #: UPS408

DESCRIPTION OF ACTIVITY: Recharge shaft (10) constructed for de-silting and rejuvenated pond

LOCATION: Kaithanwa Talab, Tendha Village, Milkypur Block, Faizabad District, Uttar Pradesh, India.

Project Location	Distance in KM away from ABPL plant	Watershed	Longitude	Lattitude
Kaithanwa Talab, Tendha Village	39 km	Outside the plant operating watershed	81.867361°	26.562500°



Location of RWH structure implemented by ABPL, Uttar Pradesh

PRIMARY CONTACTS:

Bottiling Unit
Umesh C Joshi
QSE Manager
Amrit Bottlers Pvt. Ltd.,
Faizabad, Uttar Pradesh, India
Phone: +91-9554953181
umeshjoshi@cocacolafzd.com

Operating Unit
Gopu T Rao
Hydrogeologist
Coca-Cola India Pvt. Limited
Gurgaon, India
Phone: +91-9740951234
gorao@coca-cola.com

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SITE VISIT CONDUCTED BY: Mr. Thogaru Rajesh. Mainstay Development Consultants Pvt. Ltd, Secunderabad

The field validation is conducted on 21st to 23rd December 2023 along with Mr. Umesh C Joshi, QSE Manager, Mr. Jitendra, Environmental coordinator ABPL.

OBJECTIVES:

- Harvesting rainwater runoff and recharging local aquifers
- Provide source water for irrigation and domestic during monsoon and non-monsoon seasons
- Positively contribute to the rejuvenation of micro-climatic conditions

BACKGROUND & ACTIVITY DESCRIPTION

Traditionally in the past, Indian farmers have managed ponds and developed small water bodies in localized depressions to collect water that is used for domestic and irrigation. However, over the years the ponds got silted up due to a lack of de-siltation practices and maintenance. In the recent past under the MNREGA union government scheme, ponds and local water bodies have been identified for de-siltation and rejuvenation, by using appropriate technology options that are suitable to local topographical/hydrogeological conditions. Such rejuvenated ponds recharge local aquifers, by re-charging old tubes and dug wells during the monsoon period and providing water for domestic and irrigation for communities. Local Coca-Cola bottlers have identified such ponds and water bodies for undertaking rejuvenation and augmentation.

The project activity involves two steps 1) identification of de-silted and rejuvenated ponds under the MNREGA scheme; 2) installation of a shaft system to facilitate recharge of groundwater. De-silting typically increases the pond depth from 2-3 meters. The villagers are benefiting as a result of these activities. The projects are maintained annually.

Figure1.1- Pond with Recharge shafts (Date of Visit: 21/12/2023)

SUMMARY OF REPLENISH BENEFIT:

- 2023 COCA-COLA REPLENISH BENEFIT AS A FUNCTION OF COST-SHARE: 20,550KL/YR

ACTIVITY TIMELINE:

- Project initiated on 02nd July 2010
- The project was completed on 15th July 2010 and was fully operational in 2010

COCA-COLA CONTRIBUTION: 100% for the project

Total project cost: 0.006MnUSD TCCC contributions:

The project is funded and implemented by Coca-Cola bottlers in the local community.

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WATERSHED BENEFITS CALCULATED:

- Increased groundwater recharge.

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1. INCREASED INFILTRATION

Approach & Results

The replenish benefit is calculated as the volume of water recharged to the aquifer. The recharge volume is equal to the minimum of supply and available storage (after accounting for evaporative and usage losses).

The volume of water available for aquifer recharge is estimated separately for each pond by calculating the supply of available runoff from the catchment according to the equation below:
Supply (m^3) = Catchment Area (m^2) x Annual Rainfall (m) x Catchment Coefficient

The supply from the catchment is compared to the available storage of the ponds. Storage potential was estimated by considering the number of times the ponds will fill to maximum volume. It was conservatively assumed that each pond can potentially be filled two times (in cases of hard rock sub-surface geology) or three times (in cases of soft rock sub-surface geology) its volume annually. The volume of water captured by the ponds is estimated as the minimum of supply and available storage (after accounting for usage and evaporation losses of storage potential).

Table 1. Dimensions of the pond

State	Check Dam/Pond Location/any other	Avg. Length (m)	Avg. Width (m)	Avg. Depth (m)	Pond Volume (m3)
Uttar Pradesh	Kaithanwa Talab	100	60	2.28	13,700

Table 2. Summary of Pond area characteristics and estimated recharge volume

State	Location of Project	Catchment Area (Sq.km)	Annual Rainfall (mm)	Supply Volume (m3/yr.)	Storage Potential (m3)	Total Recharge Volume (m3/yr.)
Uttar Pradesh	Kaithanwa Talab	5	1033.3	3,87,375	13,700	20,550

The total estimated replenish benefit from the ponds is provided below:

- Benefit (increase in recharge): 20,550KL/yr.
- The total (ultimate) water quantity benefit is 20,550KL/yr.
- TCCC total (ultimate) benefit taken as a function of cost-share is 20,550KL/yr.

The current (2023) benefit and projected benefits are based on the total benefit, adjusted to account for the implementation schedule and TCCC cost share. These are presented below.

2023 Replenish Benefit

The 2023 benefit is the performance-based benefit from this activity as of the end of the calendar year 2023. The total 2023 benefit is 20,550KL/yr. and TCCC's benefit (adjusted for cost-share) is 20,550KL/yr.

Projected Water Quantity Benefits Summary

Table 3 shows the projected benefits that this activity will provide if the project remains in productive service. All projected benefits will be verified by TCCC before they are reported as actual benefits. The benefits are scaled for the implementation schedule in the second column and scaled further for the TCCC cost share in the third column.

Table 3 Shows the Projected Water Quantity Benefits Summary

Year	Total Benefit (KL/yr.)	Adjusted for TCCC Cost Share (KL/yr.)
2023	20,550	20,550
2024	20,550	20,550
2025	20,550	20,550
Ultimate Benefit:	20,550	20,550

Data Sources

- Data on pond volumes, catchment areas, and rainfall were provided by the **Amrit Bottlers Pvt. Ltd., Faizabad.**

Maintenance Status

- Pond and recharge structures are in good condition need minor cleaning maintenance.

Assumptions

- The ponds are maintained properly. This includes annually clearing of pond inlet and the openings of the recharge shafts of the debris before the arrival of monsoon rain.

OTHER BENEFITS NOT QUANTIFIED

- Local employment opportunities during construction and maintenance
- Drinking water facility for cattle and wildlife.
- Reduce runoff and sediment erosion and creates water storage facilities.

NOTES

- Awareness building programs for the community on water replenishment projects is important and sharing benefits to stakeholders on yearly basis goes as best practice.

REFERENCES

1. Manual on artificial recharge of groundwater, CGWB 2007
2. Replenish Assurance Processes and Documentation Requirements "supplemental KORE Requirements" KORE documents OU-SR-035
3. OU-RQ-035-PRG Water replenishes assurance process requirements
4. https://ingres.iith.ac.in/gecdataonline/gis/INDIA

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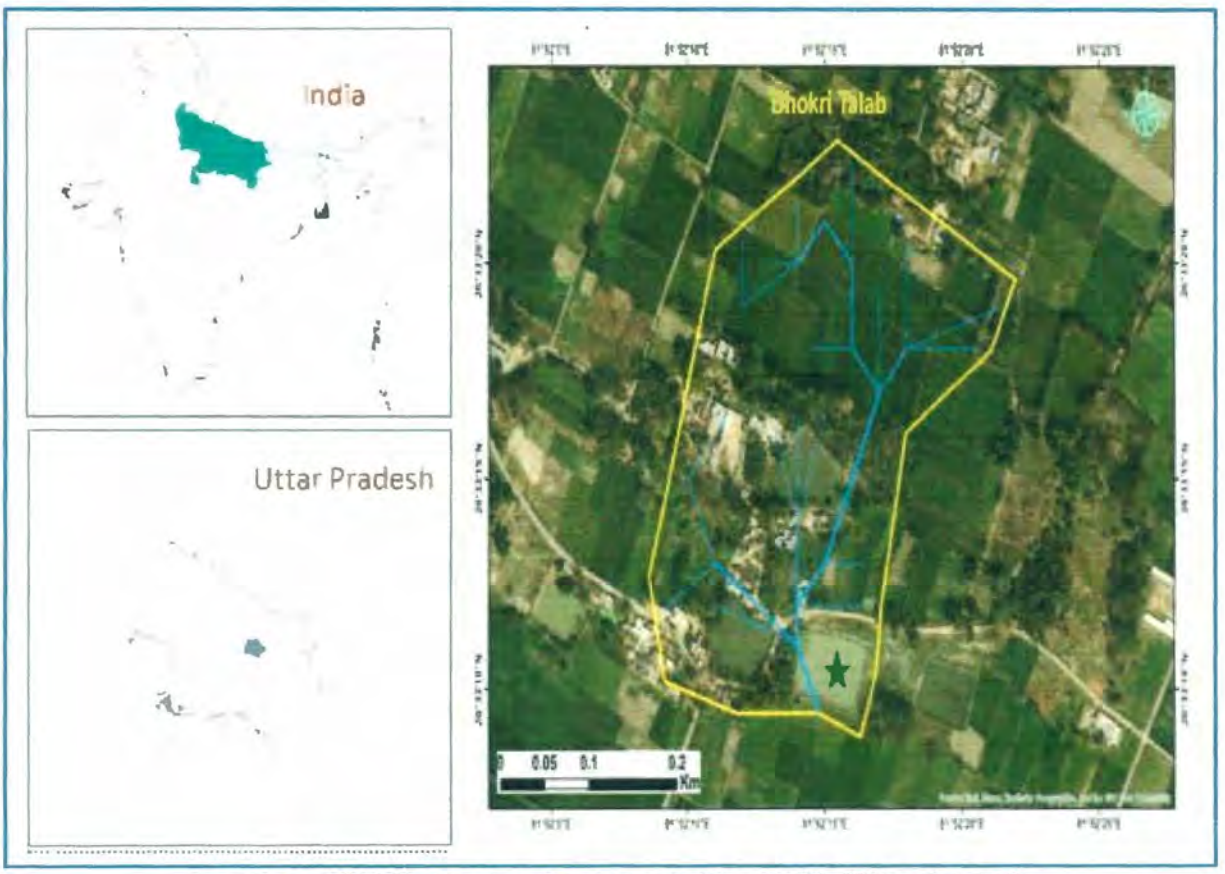
PROJECT NAME: Pond restoration and installation of recharge shaft

PROJECT ID #: UPS409

DESCRIPTION OF ACTIVITY: Recharge shaft (7) constructed for de-silting and rejuvenated pond

LOCATION: Bhokri Talab, Sindhauna Village, Milkypur Block, Faizabad District, Uttar Pradesh, India.

Project Location	Distance in KM away from ABPL plant	Watershed	Longitude	Lattitude
Bhokri Talab, Sindhauna Village	40 km	Outside the plant operating watershed	81.871056°	26.553194°



Location of RWH structure implemented by ABPL, Uttar Pradesh

PRIMARY CONTACTS:

Bottiling Unit
Umesh C Joshi
QSE Manager
Amrit Bottlers Pvt. Ltd.,
Faizabad, Uttar Pradesh, India
Phone: +91-9554953181
umeshjoshi@cocacolafzd.com

Operating Unit
Gopu T Rao
Hydrogeologist
Coca-Cola India Pvt. Limited
Gurgaon, India
Phone: +91-9740951234
gorao@coca-cola.com

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SITE VISIT CONDUCTED BY: Mr. Thogaru Rajesh. Mainstay Development Consultants Pvt. Ltd, Secunderabad

The field validation is conducted on 21st to 23rd December 2023 along with Mr. Umesh C Joshi, QSE Manager, Mr. Jitendra, Environmental coordinator ABPL.

OBJECTIVES:

- Harvesting rainwater runoff and recharging local aquifers
- Provide source water for irrigation and domestic during monsoon and non-monsoon seasons
- Positively contribute to the rejuvenation of micro-climatic conditions

BACKGROUND & ACTIVITY DESCRIPTION:

Traditionally in the past, Indian farmers have managed ponds and developed small water bodies in localized depressions to collect water that is used for domestic and irrigation. However, over the years the ponds got silted up due to a lack of de-siltation practices and maintenance. In the recent past under the MNREGA union government scheme, ponds and local water bodies have been identified for de-siltation and rejuvenation, by using appropriate technology options that are suitable to local topographical/hydrogeological conditions. Such rejuvenated ponds recharge local aquifers, by re-charging old tubes and dug wells during the monsoon period and providing water for domestic and irrigation for communities. Local Coca-Cola bottlers have identified such ponds and water bodies for undertaking rejuvenation and augmentation.

The project activity involves two steps 1) identification of de-silted and rejuvenated ponds under the MNREGA scheme; 2) installation of a shaft system to facilitate recharge of groundwater. De-silting typically increases the pond depth from 2-3 meters. The villagers are benefiting as a result of these activities. The projects are maintained annually.

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Figure1.1- Pond with Recharge shafts (Date of Visit: 21/12/2023)

SUMMARY OF REPLENISH BENEFIT:

- 2023 COCA-COLA REPLENISH BENEFIT AS A FUNCTION OF COST-SHARE: 13,462KL/YR

ACTIVITY TIMELINE:

- Project initiated on 15th April 2013
- The project was completed on 15th May 2013 and was fully operational in 2013

COCA-COLA CONTRIBUTION: 100% for the project

Total project cost: 0.001 MnUSD TCCC contributions:

The project is funded and implemented by Coca-Cola bottlers in the local community.

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WATERSHED BENEFITS CALCULATED:

- Increased groundwater recharge.

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1. INCREASED INFILTRATION

Approach & Results

The replenish benefit is calculated as the volume of water recharged to the aquifer. The recharge volume is equal to the minimum of supply and available storage (after accounting for evaporative and usage losses).

The volume of water available for aquifer recharge is estimated separately for each pond by calculating the supply of available runoff from the catchment according to the equation below:
Supply (m^3) = Catchment Area (m^2) x Annual Rainfall (m) x Catchment Coefficient

The supply from the catchment is compared to the available storage of the ponds. Storage potential was estimated by considering the number of times the ponds will fill to maximum volume. It was conservatively assumed that each pond can potentially be filled two times (in cases of hard rock sub-surface geology) or three times (in cases of soft rock sub-surface geology) its volume annually. The volume of water captured by the ponds is estimated as the minimum of supply and available storage (after accounting for usage and evaporation losses of storage potential).

Table 1. Dimensions of the pond

State	Check Dam/Pond Location/any other	Avg. Length (m)	Avg. Width (m)	Avg. Depth (m)	Pond Volume (m3)
Uttar Pradesh	Bhokri Talab	75	55	2.18	8,975

Table 2. Summary of Pond area characteristics and estimated recharge volume

State	Location of Project	Catchment Area (Sq.km)	Annual Rainfall (mm)	Supply Volume (m3/yr.)	Storage Potential (m3)	Total Recharge Volume (m3/yr.)
Uttar Pradesh	Bhokri Talab	5	1033.3	3,87,375	8,975	13,462

The total estimated replenish benefit from the ponds is provided below:

- Benefit (increase in recharge): 13,462/yr.
- The total (ultimate) water quantity benefit is 13,462/yr.
- TCCC total (ultimate) benefit taken as a function of cost-share is: 13,462/yr.

The current (2023) benefit and projected benefits are based on the total benefit, adjusted to account for the implementation schedule and TCCC cost share. These are presented below.

2023 Replenish Benefit

The 2023 benefit is the performance-based benefit from this activity as of the end of the calendar year 2023. The total 2023 benefit is 13,462KL/yr. and TCCC's benefit (adjusted for cost-share) is 13,462KL/yr.

Projected Water Quantity Benefits Summary

Table 3 shows the projected benefits that this activity will provide if the project remains in productive service. All projected benefits will be verified by TCCC before they are reported as actual benefits. The benefits are scaled for the implementation schedule in the second column and scaled further for the TCCC cost share in the third column.

Table 3 Shows the Projected Water Quantity Benefits Summary

Year	Total Benefit (KL/yr.)	Adjusted for TCCC Cost Share (KL/yr.)
2023	13,462	13,462
2024	13,462	13,462
2025	13,462	13,462
Ultimate Benefit:	13,462	13,462

Data Sources

- Data on pond volumes, catchment areas, and rainfall were provided by the **Amrit Bottlers Pvt. Ltd., Faizabad.**

Maintenance Status

- Pond and recharge structures are in good condition need minor cleaning maintenance.

Assumptions

- The ponds are maintained properly. This includes annually clearing of pond inlet and the openings of the recharge shafts of the debris before the arrival of monsoon rain.

OTHER BENEFITS NOT QUANTIFIED

- Local employment opportunities during construction and maintenance
- Drinking water facility for cattle and wildlife.
- Reduce runoff and sediment erosion and creates water storage facilities.

NOTES

- Awareness building programs for the community on water replenishment projects is important and sharing benefits to stakeholders on yearly basis goes as best practice.

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REFERENCES

1. Manual on artificial recharge of groundwater, CGWB 2007
2. Replenish Assurance Processes and Documentation Requirements "supplemental KORE Requirements" KORE documents OU-SR-035
3. OU-RQ-035-PRG Water replenishes assurance process requirements
4. https://ingres.iith.ac.in/gecdataonline/gis/INDIA

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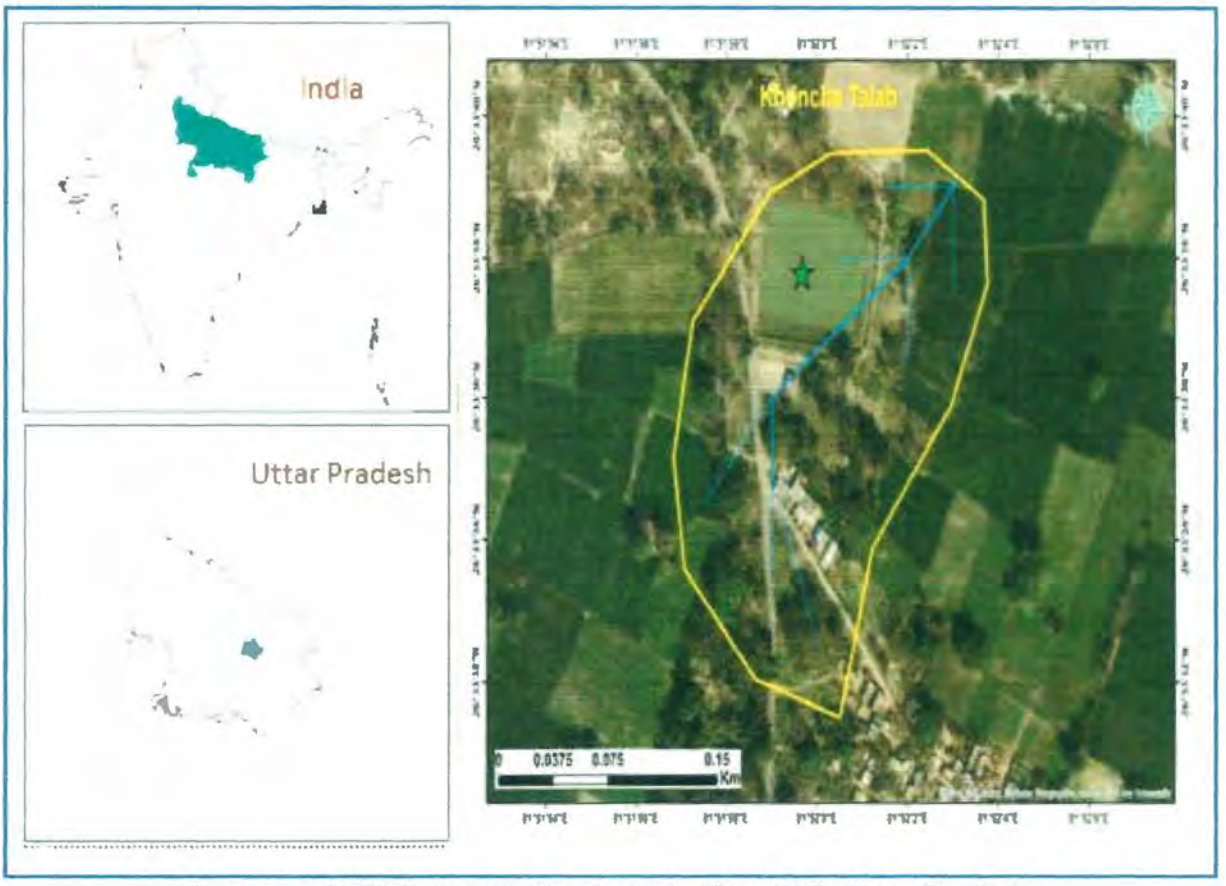
PROJECT NAME: Pond restoration and installation of recharge shaft

PROJECT ID #: UPS410

DESCRIPTION OF ACTIVITY: Recharge shaft (8) constructed for de-silting and rejuvenated pond

LOCATION: Khoncha Talab, Sindhauna Village, Milkypur Block, Faizabad District, Uttar Pradesh, India.

Project Location	Distance in KM away from ABPL plant	Watershed	Longitude	Lattitude
Khoncha Talab, Sindhauna Village	39 km	Outside the plant operating watershed	81.866290°	26.560361°



Location of RWH structure implemented by ABPL, Uttar Pradesh

PRIMARY CONTACTS:

Bottiling Unit
Umesh C Joshi
QSE Manager
Amrit Bottlers Pvt. Ltd.,
Faizabad, Uttar Pradesh, India
Phone: +91-9554953181
umeshjoshi@cocacolafzd.com

Operating Unit
Gopu T Rao
Hydrogeologist
Coca-Cola India Pvt. Limited
Gurgaon, India
Phone: +91-9740951234
gorao@coca-cola.com

(94)

SITE VISIT CONDUCTED BY: Mr. Thogaru Rajesh. Mainstay Development Consultants Pvt. Ltd, Secunderabad

The field validation is conducted on 21st to 23rd December 2023 along with Mr. Umesh C Joshi, QSE Manager, Mr. Jitendra, Environmental coordinator ABPL.

OBJECTIVES:

- Harvesting rainwater runoff and recharging local aquifers
- Provide source water for irrigation and domestic during monsoon and non-monsoon seasons
- Positively contribute to the rejuvenation of micro-climatic conditions

BACKGROUND & ACTIVITY DESCRIPTION:

Traditionally in the past, Indian farmers have managed ponds and developed small water bodies in localized depressions to collect water that is used for domestic and irrigation. However, over the years the ponds got silted up due to a lack of de-siltation practices and maintenance. In the recent past under the MNREGA union government scheme, ponds and local water bodies have been identified for de-siltation and rejuvenation, by using appropriate technology options that are suitable to local topographical/hydrogeological conditions. Such rejuvenated ponds recharge local aquifers, by re-charging old tubes and dug wells during the monsoon period and providing water for domestic and irrigation for communities. Local Coca-Cola bottlers have identified such ponds and water bodies for undertaking rejuvenation and augmentation.

The project activity involves two steps 1) identification of de-silted and rejuvenated ponds under the MNREGA scheme; 2) installation of a shaft system to facilitate recharge of groundwater. De-silting typically increases the pond depth from 2-3 meters. The villagers are benefiting as a result of these activities. The projects are maintained annually.

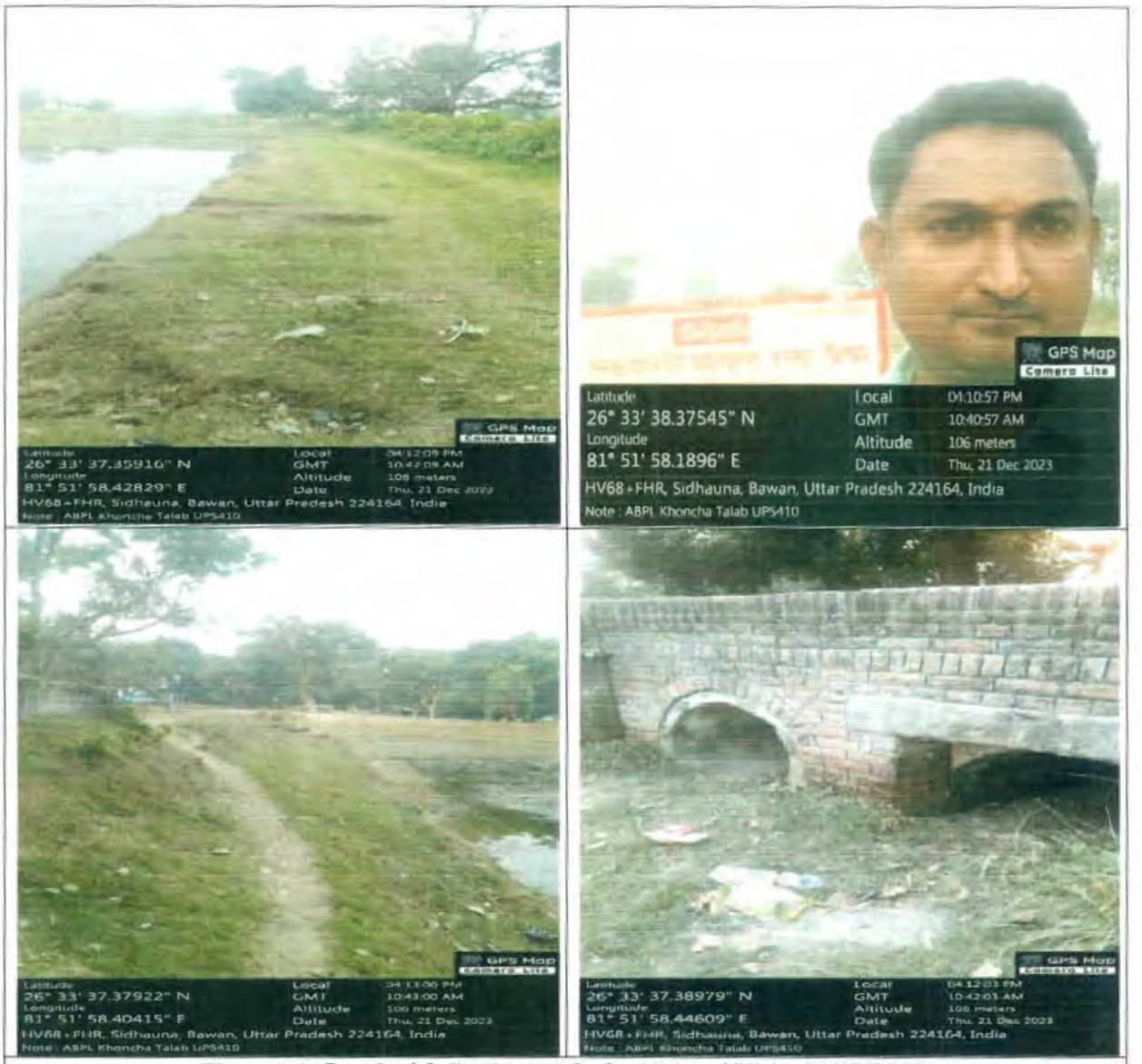


Figure1.1- Pond with Recharge shafts (Date of Visit: 21/12/2023)

SUMMARY OF REPLENISH BENEFIT:

- 2023 COCA-COLA REPLENISH BENEFIT AS A FUNCTION OF COST-SHARE: 14,808KL/YR

ACTIVITY TIMELINE:

- Project initiated on 15th April 2013
- The project was completed on 15th May 2013 and was fully operational in 2013

COCA-COLA CONTRIBUTION: 100% for the project

Total project cost: 0.001MnUSD TCCC contributions:

The project is funded and implemented by Coca-Cola bottlers in the local community.

(96)

WATERSHED BENEFITS CALCULATED:

- Increased groundwater recharge.

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1. INCREASED INFILTRATION

Approach & Results

The replenish benefit is calculated as the volume of water recharged to the aquifer. The recharge volume is equal to the minimum of supply and available storage (after accounting for evaporative and usage losses).

The volume of water available for aquifer recharge is estimated separately for each pond by calculating the supply of available runoff from the catchment according to the equation below:
Supply (m^3) = Catchment Area (m^2) x Annual Rainfall (m) x Catchment Coefficient

The supply from the catchment is compared to the available storage of the ponds. Storage potential was estimated by considering the number of times the ponds will fill to maximum volume. It was conservatively assumed that each pond can potentially be filled two times (in cases of hard rock sub-surface geology) or three times (in cases of soft rock sub-surface geology) its volume annually. The volume of water captured by the ponds is estimated as the minimum of supply and available storage (after accounting for usage and evaporation losses of storage potential).

Table 1. Dimensions of the pond

State	Check Dam/Pond Location/any other	Avg. Length (m)	Avg. Width (m)	Avg. Depth (m)	Pond Volume (m3)
Uttar Pradesh	Khoncha Talab	72	62	2.21	9,872

Table 2. Summary of Pond area characteristics and estimated recharge volume

State	Location of Project	Catchment Area (Sq.km)	Annual Rainfall (mm)	Supply Volume (m3/yr.)	Storage Potential (m3)	Total Recharge Volume (m3/yr.)
Uttar Pradesh	Khoncha Talab	5	1033.3	3,87,375	9,872	14,808

The total estimated replenish benefit from the ponds is provided below:

- Benefit (increase in recharge): 14,808KL/yr.
- The total (ultimate) water quantity benefit is 14,808KL/yr.
- TCCC total (ultimate) benefit taken as a function of cost-share is 14,808KL/yr.

(97)

The current (2023) benefit and projected benefits are based on the total benefit, adjusted to account for the implementation schedule and TCCC cost share. These are presented below.

2023 Replenish Benefit

The 2023 benefit is the performance-based benefit from this activity as of the end of the calendar year 2023. The total 2023 benefit is 14,808KL/yr. and TCCC's benefit (adjusted for cost-share) is 14,808KL/yr.

Projected Water Quantity Benefits Summary

Table 3 shows the projected benefits that this activity will provide if the project remains in productive service. All projected benefits will be verified by TCCC before they are reported as actual benefits. The benefits are scaled for the implementation schedule in the second column and scaled further for the TCCC cost share in the third column.

Table 3 Shows the Projected Water Quantity Benefits Summary

Year	Total Benefit (KL/yr.)	Adjusted for TCCC Cost Share (KL/yr.)
2023	14,808	14,808
2024	14,808	14,808
2025	14,808	14,808
Ultimate Benefit:	14,808	14,808

Data Sources

- Data on pond volumes, catchment areas, and rainfall were provided by the **Amrit Bottlers Pvt. Ltd., Faizabad.**

Maintenance Status

- Pond and recharge structures are in good condition need minor cleaning maintenance.

Assumptions

- The ponds are maintained properly. This includes annually clearing of pond inlet and the openings of the recharge shafts of the debris before the arrival of monsoon rain.

OTHER BENEFITS NOT QUANTIFIED

- Local employment opportunities during construction and maintenance
- Drinking water facility for cattle and wildlife.
- Reduce runoff and sediment erosion and creates water storage facilities.

NOTES

- Awareness building programs for the community on water replenishment projects is important and sharing benefits to stakeholders on yearly basis goes as best practice.

REFERENCES

1. Manual on artificial recharge of groundwater, CGWB 2007
2. Replenish Assurance Processes and Documentation Requirements "supplemental KORE Requirements" KORE documents OU-SR-035
3. OU-RQ-035-PRG Water replenishes assurance process requirements
4. https://ingres.iith.ac.in/gecdataonline/gis/INDIA

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PROJECT NAME: Pond restoration and installation of recharge shaft

PROJECT ID #: UPS411

DESCRIPTION OF ACTIVITY: Recharge shaft (5) constructed for de-silting and rejuvenated pond

LOCATION: Khulastara-I Talab, Sindhauna Village, Milkypur Block, Faizabad District, Uttar Pradesh, India.

Project Location	Distance in KM away from ABPL plant	Watershed	Longitude	Lattitude
Khulastara-I Talab, Sindhauna Village	42 km	Outside the plant operating watershed	81.860120°	26.548028°

Location of RWH structure implemented by ABPL, Uttar Pradesh

PRIMARY CONTACTS:

Bottiling Unit
Umesh C Joshi

QSE Manager
Amrit Bottlers Pvt. Ltd.,

Faizabad, Uttar Pradesh, India
Phone: +91-9554953181

umeshjoshi@cocacolafzd.com

Operating Unit
Gopu T Rao

Hydrogeologist
Coca-Cola India Pvt. Limited

Gurgaon, India
Phone: +91-9740951234

gorao@coca-cola.com

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SITE VISIT CONDUCTED BY: Mr. Thogaru Rajesh. Mainstay Development Consultants Pvt. Ltd, Secunderabad

The field validation is conducted on 21st to 23rd December 2023 along with Mr. Umesh C Joshi, QSE Manager, Mr. Jitendra, Environmental coordinator ABPL.

OBJECTIVES:

- Harvesting rainwater runoff and recharging local aquifers
- Provide source water for irrigation and domestic during monsoon and non-monsoon seasons
- Positively contribute to the rejuvenation of micro-climatic conditions

BACKGROUND & ACTIVITY DESCRIPTION:

Traditionally in the past, Indian farmers have managed ponds and developed small water bodies in localized depressions to collect water that is used for domestic and irrigation. However, over the years the ponds got silted up due to a lack of de-siltation practices and maintenance. In the recent past under the MNREGA union government scheme, ponds and local water bodies have been identified for de-siltation and rejuvenation, by using appropriate technology options that are suitable to local topographical/hydrogeological conditions. Such rejuvenated ponds recharge local aquifers, by re-charging old tubes and dug wells during the monsoon period and providing water for domestic and irrigation for communities. Local Coca-Cola bottlers have identified such ponds and water bodies for undertaking rejuvenation and augmentation.

The project activity involves two steps 1) identification of de-silted and rejuvenated ponds under the MNREGA scheme; 2) installation of a shaft system to facilitate recharge of groundwater. De-silting typically increases the pond depth from 2-3 meters. The villagers are benefiting as a result of these activities. The projects are maintained annually.

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Figure1.1- Pond with Recharge shafts (Date of Visit: 21/12/2023)

SUMMARY OF REPLENISH BENEFIT:

- 2023 COCA-COLA REPLENISH BENEFIT AS A FUNCTION OF COST-SHARE: 9,300KL/YR

ACTIVITY TIMELINE:

- Project initiated on 16th May 2012
- The project was completed on 07th June 2012 and was fully operational in 2012

COCA-COLA CONTRIBUTION: 100% for the project

Total project cost: 0.001 MnUSD TCCC contributions:

The project is funded and implemented by Coca-Cola bottlers in the local community.

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WATERSHED BENEFITS CALCULATED:

- Increased groundwater recharge.

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1. INCREASED INFILTRATION

Approach & Results

The replenish benefit is calculated as the volume of water recharged to the aquifer. The recharge volume is equal to the minimum of supply and available storage (after accounting for evaporative and usage losses).

The volume of water available for aquifer recharge is estimated separately for each pond by calculating the supply of available runoff from the catchment according to the equation below:
Supply (m^3) = Catchment Area (m^2) x Annual Rainfall (m) x Catchment Coefficient

The supply from the catchment is compared to the available storage of the ponds. Storage potential was estimated by considering the number of times the ponds will fill to maximum volume. It was conservatively assumed that each pond can potentially be filled two times (in cases of hard rock sub-surface geology) or three times (in cases of soft rock sub-surface geology) its volume annually. The volume of water captured by the ponds is estimated as the minimum of supply and available storage (after accounting for usage and evaporation losses of storage potential).

Table 1. Dimensions of the pond

State	Check Dam/Pond Location/any other	Avg. Length (m)	Avg. Width (m)	Avg. Depth (m)	Pond Volume (m3)
Uttar Pradesh	Khulastara-I Talab	60	50	2.07	6200

Table 2. Summary of Pond area characteristics and estimated recharge volume

State	Location of Project	Catchment Area (Sq.km)	Annual Rainfall (mm)	Supply Volume (m3/yr.)	Storage Potential (m3)	Total Recharge Volume (m3/yr.)
Uttar Pradesh	Khulastara-I Talab	5	1033.3	3,87,375	6200	9,300

The total estimated replenish benefit from the ponds is provided below:

- Benefit (increase in recharge): 9,300KL/yr.
- The total (ultimate) water quantity benefit is 9,300KL/yr.
- TCCC total (ultimate) benefit taken as a function of cost-share is 9,300KL/yr.

The current (2023) benefit and projected benefits are based on the total benefit, adjusted to account for the implementation schedule and TCCC cost share. These are presented below.

2023 Replenish Benefit

The 2023 benefit is the performance-based benefit from this activity as of the end of the calendar year 2023. The total 2023 benefit is 9,300KL/yr. and TCCC's benefit (adjusted for cost-share) is 9,300KL/yr.

Projected Water Quantity Benefits Summary

Table 3 shows the projected benefits that this activity will provide if the project remains in productive service. All projected benefits will be verified by TCCC before they are reported as actual benefits. The benefits are scaled for the implementation schedule in the second column and scaled further for the TCCC cost share in the third column.

Table 3 Shows the Projected Water Quantity Benefits Summary

Year	Total Benefit (KL/yr.)	Adjusted for TCCC Cost Share (KL/yr.)
2023	9,300	9,300
2024	9,300	9,300
2025	9,300	9,300
Ultimate Benefit:	9,300	9,300

Data Sources

- Data on pond volumes, catchment areas, and rainfall were provided by the **Amrit Bottlers Pvt. Ltd., Faizabad.**

Maintenance Status

- Pond and recharge structures are in good condition need minor cleaning maintenance.

Assumptions

- The ponds are maintained properly. This includes annually clearing of pond inlet and the openings of the recharge shafts of the debris before the arrival of monsoon rain.

OTHER BENEFITS NOT QUANTIFIED

- Local employment opportunities during construction and maintenance
- Drinking water facility for cattle and wildlife.
- Reduce runoff and sediment erosion and creates water storage facilities.

NOTES

- Awareness building programs for the community on water replenishment projects is important and sharing benefits to stakeholders on yearly basis goes as best practice.

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REFERENCES

1. Manual on artificial recharge of groundwater, CGWB 2007
2. Replenish Assurance Processes and Documentation Requirements "supplemental KORE Requirements" KORE documents OU-SR-035
3. OU-RQ-035-PRG Water replenishes assurance process requirements
4. https://ingres.iith.ac.in/gecdataonline/gis/INDIA

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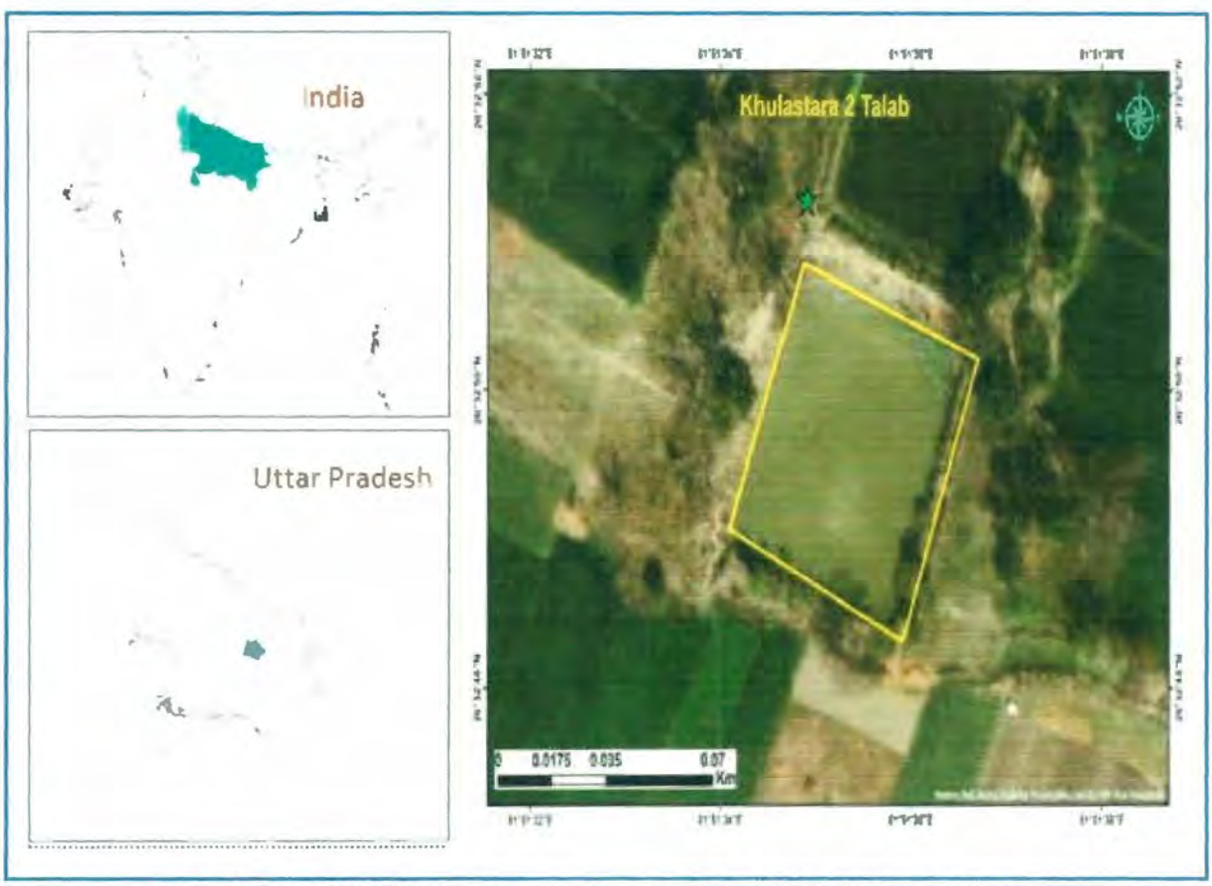
PROJECT NAME: Pond restoration and installation of recharge shaft

PROJECT ID #: UPS412

DESCRIPTION OF ACTIVITY: Recharge shaft (5) constructed for de-silting and rejuvenated pond

LOCATION: Khulastara-II Talab, Sindhauna Village, Milkypur Block, Faizabad District, Uttar Pradesh, India.

Project Location	Distance in KM away from ABPL plant	Watershed	Longitude	Lattitude
Khulastara- II Talab, Sindhauna Village	42 km	Outside the plant operating watershed	81.859694°	26.547597°



Location of RWH structure implemented by ABPL, Uttar Pradesh

PRIMARY CONTACTS:

Bottiling Unit
Umesh C Joshi
QSE Manager
Amrit Bottlers Pvt. Ltd.,
Faizabad, Uttar Pradesh, India
Phone: +91-9554953181
umeshjoshi@cocacolafzd.com

Operating Unit
Gopu T Rao
Hydrogeologist
Coca-Cola India Pvt. Limited
Gurgaon, India
Phone: +91-9740951234
gorao@coca-cola.com

106

SITE VISIT CONDUCTED BY: Mr. Thogaru Rajesh. Mainstay Development Consultants Pvt. Ltd, Secunderabad

The field validation is conducted on 21st to 23rd December 2023 along with Mr. Umesh C Joshi, QSE Manager, Mr. Jitendra, Environmental coordinator ABPL.

OBJECTIVES:

- Harvesting rainwater runoff and recharging local aquifers
- Provide source water for irrigation and domestic during monsoon and non-monsoon seasons
- Positively contribute to the rejuvenation of micro-climatic conditions

BACKGROUND & ACTIVITY DESCRIPTION:

Traditionally in the past, Indian farmers have managed ponds and developed small water bodies in localized depressions to collect water that is used for domestic and irrigation. However, over the years the ponds got silted up due to a lack of de-siltation practices and maintenance. In the recent past under the MNREGA union government scheme, ponds and local water bodies have been identified for de-siltation and rejuvenation, by using appropriate technology options that are suitable to local topographical/hydrogeological conditions. Such rejuvenated ponds recharge local aquifers, by re-charging old tubes and dug wells during the monsoon period and providing water for domestic and irrigation for communities. Local Coca-Cola bottlers have identified such ponds and water bodies for undertaking rejuvenation and augmentation.

The project activity involves two steps 1) identification of de-silted and rejuvenated ponds under the MNREGA scheme; 2) installation of a shaft system to facilitate recharge of groundwater. De-silting typically increases the pond depth from 2-3 meters. The villagers are benefiting as a result of these activities. The projects are maintained annually.

(107)

Figure1.1- Pond with Recharge shafts (Date of Visit: 21/12/2023)

SUMMARY OF REPLENISH BENEFIT:

- 2023 COCA-COLA REPLENISH BENEFIT AS A FUNCTION OF COST-SHARE: 9,300KL/YR

ACTIVITY TIMELINE:

- Project initiated on 16th May 2012
- The project was completed on 07th June 2012 and was fully operational in 2012

COCA-COLA CONTRIBUTION: 100% for the project

Total project cost: 0.001 MnUSD TCCC contributions:

The project is funded and implemented by Coca-Cola bottlers in the local community.

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WATERSHED BENEFITS CALCULATED:

- Increased groundwater recharge.

---

1. INCREASED INFILTRATION

Approach & Results

The replenish benefit is calculated as the volume of water recharged to the aquifer. The recharge volume is equal to the minimum of supply and available storage (after accounting for evaporative and usage losses).

The volume of water available for aquifer recharge is estimated separately for each pond by calculating the supply of available runoff from the catchment according to the equation below:
Supply (m^3) = Catchment Area (m^2) x Annual Rainfall (m) x Catchment Coefficient

The supply from the catchment is compared to the available storage of the ponds. Storage potential was estimated by considering the number of times the ponds will fill to maximum volume. It was conservatively assumed that each pond can potentially be filled two times (in cases of hard rock sub-surface geology) or three times (in cases of soft rock sub-surface geology) its volume annually. The volume of water captured by the ponds is estimated as the minimum of supply and available storage (after accounting for usage and evaporation losses of storage potential).

Table 1. Dimensions of the pond

State	Check Dam/Pond Location/any other	Avg. Length (m)	Avg. Width (m)	Avg. Depth (m)	Pond Volume (m3)
Uttar Pradesh	Khulastara-II Talab	60	50	2.07	6200

Table 2. Summary of Pond area characteristics and estimated recharge volume

State	Location of Project	Catchment Area (Sq.km)	Annual Rainfall (mm)	Supply Volume (m3/yr.)	Storage Potential (m3)	Total Recharge Volume (m3/yr.)
Uttar Pradesh	Khulastara-II Talab	5	1033.3	3,87,375	6200	9,300

The total estimated replenish benefit from the ponds is provided below:

- Benefit (increase in recharge): 9,300KL/yr.
- The total (ultimate) water quantity benefit is 9,300KL/yr.
- TCCC total (ultimate) benefit taken as a function of cost-share is 9,300KL/yr.

The current (2023) benefit and projected benefits are based on the total benefit, adjusted to account for the implementation schedule and TCCC cost share. These are presented below.

2023 Replenish Benefit

The 2023 benefit is the performance-based benefit from this activity as of the end of the calendar year 2023. The total 2023 benefit is 9,300KL/yr. and TCCC's benefit (adjusted for cost-share) is 9,300KL/yr.

Projected Water Quantity Benefits Summary

Table 3 shows the projected benefits that this activity will provide if the project remains in productive service. All projected benefits will be verified by TCCC before they are reported as actual benefits. The benefits are scaled for the implementation schedule in the second column and scaled further for the TCCC cost share in the third column.

Table 3 Shows the Projected Water Quantity Benefits Summary

Year	Total Benefit (KL/yr.)	Adjusted for TCCC Cost Share (KL/yr.)
2023	9,300	9,300
2024	9,300	9,300
2025	9,300	9,300
Ultimate Benefit:	9,300	9,300

Data Sources

- Data on pond volumes, catchment areas, and rainfall were provided by the **Amrit Bottlers Pvt. Ltd., Faizabad.**

Maintenance Status

- Pond and recharge structures are in good condition need minor cleaning maintenance.

Assumptions

- The ponds are maintained properly. This includes annually clearing of pond inlet and the openings of the recharge shafts of the debris before the arrival of monsoon rain.

OTHER BENEFITS NOT QUANTIFIED

- Local employment opportunities during construction and maintenance
- Drinking water facility for cattle and wildlife.
- Reduce runoff and sediment erosion and creates water storage facilities.

NOTES

- Awareness building programs for the community on water replenishment projects is important and sharing benefits to stakeholders on yearly basis goes as best practice.

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REFERENCES

1. Manual on artificial recharge of groundwater, CGWB 2007
2. Replenish Assurance Processes and Documentation Requirements "supplemental KORE Requirements" KORE documents OU-SR-035
3. OU-RQ-035-PRG Water replenishes assurance process requirements
4. https://ingres.iith.ac.in/gecdataonline/gis/INDIA

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(111)

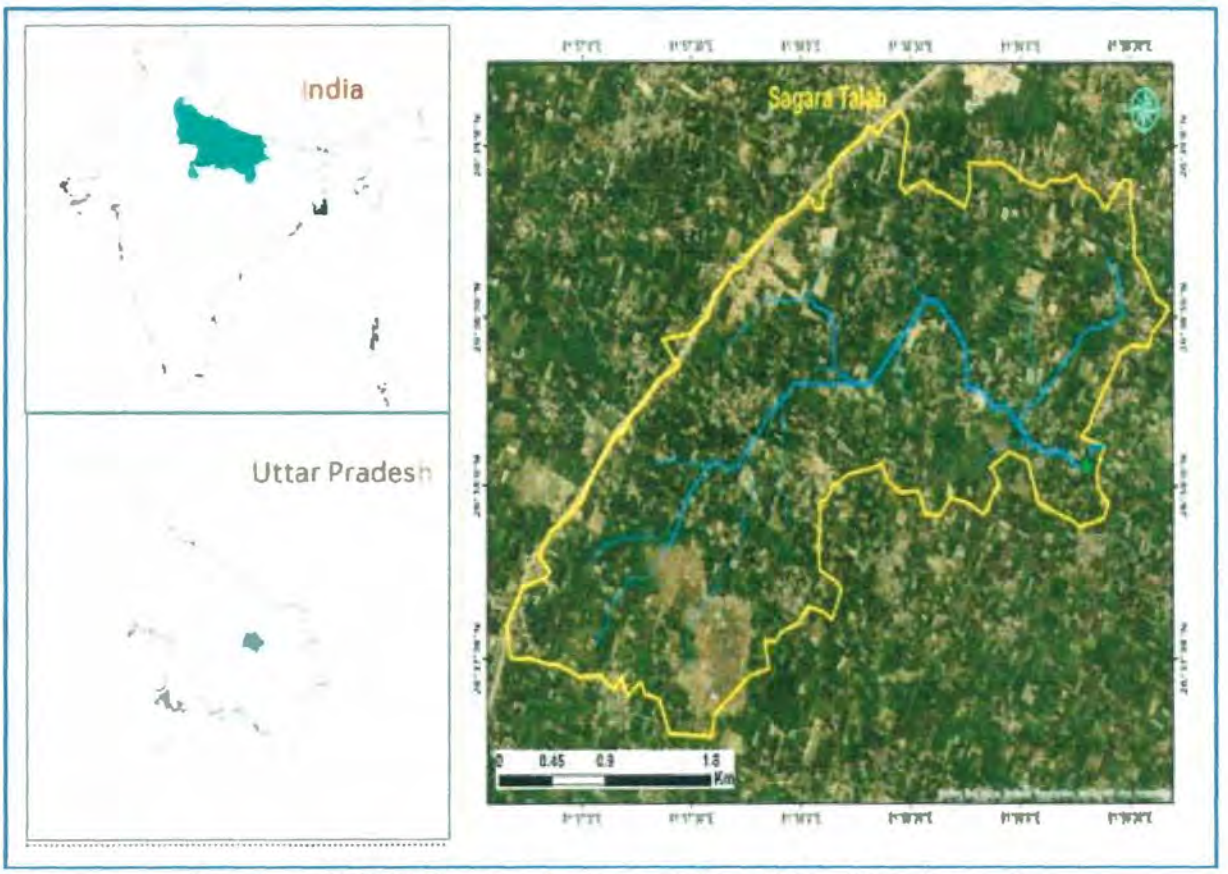
PROJECT NAME: Pond restoration and installation of recharge shaft

PROJECT ID #: UPS415_F(b)

DESCRIPTION OF ACTIVITY: Recharge shaft (1) constructed for de-silting and rejuvenated pond

LOCATION: Sagara Talab, Jamuha Village, Milkypur Block, Faizabad District, Uttar Pradesh, India.

Project Location	Distance in KM away from ABPL plant	Watershed	Longitude	Lattitude
Sagara Talab, Jamuha Village	27 km	Outside the plant operating watershed	81.988361°	26.634361°



Location of RWH structure implemented by ABPL, Uttar Pradesh

PRIMARY CONTACTS:

Bottling Unit
Umesh C Joshi
QSE Manager
Amrit Bottlers Pvt. Ltd.,
Faizabad, Uttar Pradesh, India
Phone: +91-9554953181
umeshjoshi@cocacolafzd.com

Operating Unit
Gopu T Rao
Hydrogeologist
Coca-Cola India Pvt. Limited
Gurgaon, India
Phone: +91-9740951234
gorao@coca-cola.com

(12)

SITE VISIT CONDUCTED BY: Mr. Thogaru Rajesh. Mainstay Development Consultants Pvt. Ltd, Secunderabad

The field validation is conducted on 21st to 23rd December 2023 along with Mr. Umesh C Joshi, QSE Manager, Mr. Jitendra, Environmental coordinator ABPL.

OBJECTIVES:

- Harvesting rainwater runoff and recharging local aquifers
- Provide source water for irrigation and domestic during monsoon and non-monsoon seasons
- Positively contribute to the rejuvenation of micro-climatic conditions

BACKGROUND & ACTIVITY DESCRIPTION:

Traditionally in the past, Indian farmers have managed ponds and developed small water bodies in localized depressions to collect water that is used for domestic and irrigation. However, over the years the ponds got silted up due to a lack of de-siltation practices and maintenance. In the recent past under the MNREGA union government scheme, ponds and local water bodies have been identified for de-siltation and rejuvenation, by using appropriate technology options that are suitable to local topographical/hydrogeological conditions. Such rejuvenated ponds recharge local aquifers, by re-charging old tubes and dug wells during the monsoon period and providing water for domestic and irrigation for communities. Local Coca-Cola bottlers have identified such ponds and water bodies for undertaking rejuvenation and augmentation.

The project activity involves two steps 1) identification of de-silted and rejuvenated ponds under the MNREGA scheme; 2) installation of a shaft system to facilitate recharge of groundwater. De-silting typically increases the pond depth from 2-3 meters. The villagers are benefiting as a result of these activities. The projects are maintained annually.

(113)

Figure1.1- Pond with Recharge shafts (Date of Visit: 22/12/2023)

SUMMARY OF REPLENISH BENEFIT:

- 2023 COCA-COLA REPLENISH BENEFIT AS A FUNCTION OF COST-SHARE: 10,050KL/YR

ACTIVITY TIMELINE:

- Project initiated on 18th May 2015
- The project was completed on 30th June 2015 and was fully operational in 2015

COCA-COLA CONTRIBUTION: 100% for the project

Total project cost: 0.002MnUSD TCCC contributions:

The project is funded and implemented by Coca-Cola bottlers in the local community.

(114)

WATERSHED BENEFITS CALCULATED:

- Increased groundwater recharge.

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1. INCREASED INFILTRATION

Approach & Results

The replenish benefit is calculated as the volume of water recharged to the aquifer. The recharge volume is equal to the minimum of supply and available storage (after accounting for evaporative and usage losses).

The volume of water available for aquifer recharge is estimated separately for each pond by calculating the supply of available runoff from the catchment according to the equation below:
Supply (m^3) = Catchment Area (m^2) x Annual Rainfall (m) x Catchment Coefficient

The supply from the catchment is compared to the available storage of the ponds. Storage potential was estimated by considering the number of times the ponds will fill to maximum volume. It was conservatively assumed that each pond can potentially be filled two times (in cases of hard rock sub-surface geology) or three times (in cases of soft rock sub-surface geology) its volume annually. The volume of water captured by the ponds is estimated as the minimum of supply and available storage (after accounting for usage and evaporation losses of storage potential).

Table 1. Dimensions of the pond

State	Check Dam/Pond Location/any other	Avg. Length (m)	Avg. Width (m)	Avg. Depth (m)	Pond Volume (m3)
Uttar Pradesh	Sagara Talab	67	50	3	10,050

Table 2. Summary of Pond area characteristics and estimated recharge volume

State	Location of Project	Catchment Area (Sq.km)	Annual Rainfall (mm)	Supply Volume (m3/yr.)	Storage Potential (m3)	Total Recharge Volume (m3/yr.)
Uttar Pradesh	Sagara Talab	0.59	1033.3	45,710	10,050	10,050

The total estimated replenish benefit from the ponds is provided below:

- Benefit (increase in recharge): 10,050KL/yr.
- The total (ultimate) water quantity benefit is 10,050KL/yr.
- TCCC total (ultimate) benefit taken as a function of cost-share is 10,050KL/yr.

115

The current (2023) benefit and projected benefits are based on the total benefit, adjusted to account for the implementation schedule and TCCC cost share. These are presented below.

2023 Replenish Benefit

The 2023 benefit is the performance-based benefit from this activity as of the end of the calendar year 2023. The total 2023 benefit is 10,050KL/yr. and TCCC's benefit (adjusted for cost-share) is 10,050KL/yr.

Projected Water Quantity Benefits Summary

Table 3 shows the projected benefits that this activity will provide if the project remains in productive service. All projected benefits will be verified by TCCC before they are reported as actual benefits. The benefits are scaled for the implementation schedule in the second column and scaled further for the TCCC cost share in the third column.

Table 3 Shows the Projected Water Quantity Benefits Summary

Year	Total Benefit (KL/yr.)	Adjusted for TCCC Cost Share (KL/yr.)
2023	10,050	10,050
2024	10,050	10,050
2025	10,050	10,050
Ultimate Benefit:	10,050	10,050

Data Sources

- Data on pond volumes, catchment areas, and rainfall were provided by the **Amrit Bottlers Pvt. Ltd., Faizabad.**

Maintenance Status

- Pond and recharge structures are in good condition need minor cleaning maintenance.

Assumptions

- The ponds are maintained properly. This includes annually clearing of pond inlet and the openings of the recharge shafts of debris before the arrival of monsoon rain.

OTHER BENEFITS NOT QUANTIFIED

- Local employment opportunities during construction and maintenance
- Drinking water facility for cattle and wildlife.
- Reduce runoff and sediment erosion and creates water storage facilities.

NOTES

- Awareness building programs for the community on water replenishment projects is important and sharing benefits to stakeholders on yearly basis goes as best practice.

116

REFERENCES

1. Manual on artificial recharge of groundwater, CGWB 2007
2. Replenish Assurance Processes and Documentation Requirements "supplemental KORE Requirements" KORE documents OU-SR-035
3. OU-RQ-035-PRG Water replenishes assurance process requirements
4. https://ingres.iith.ac.in/gecdataonline/gis/INDIA

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117

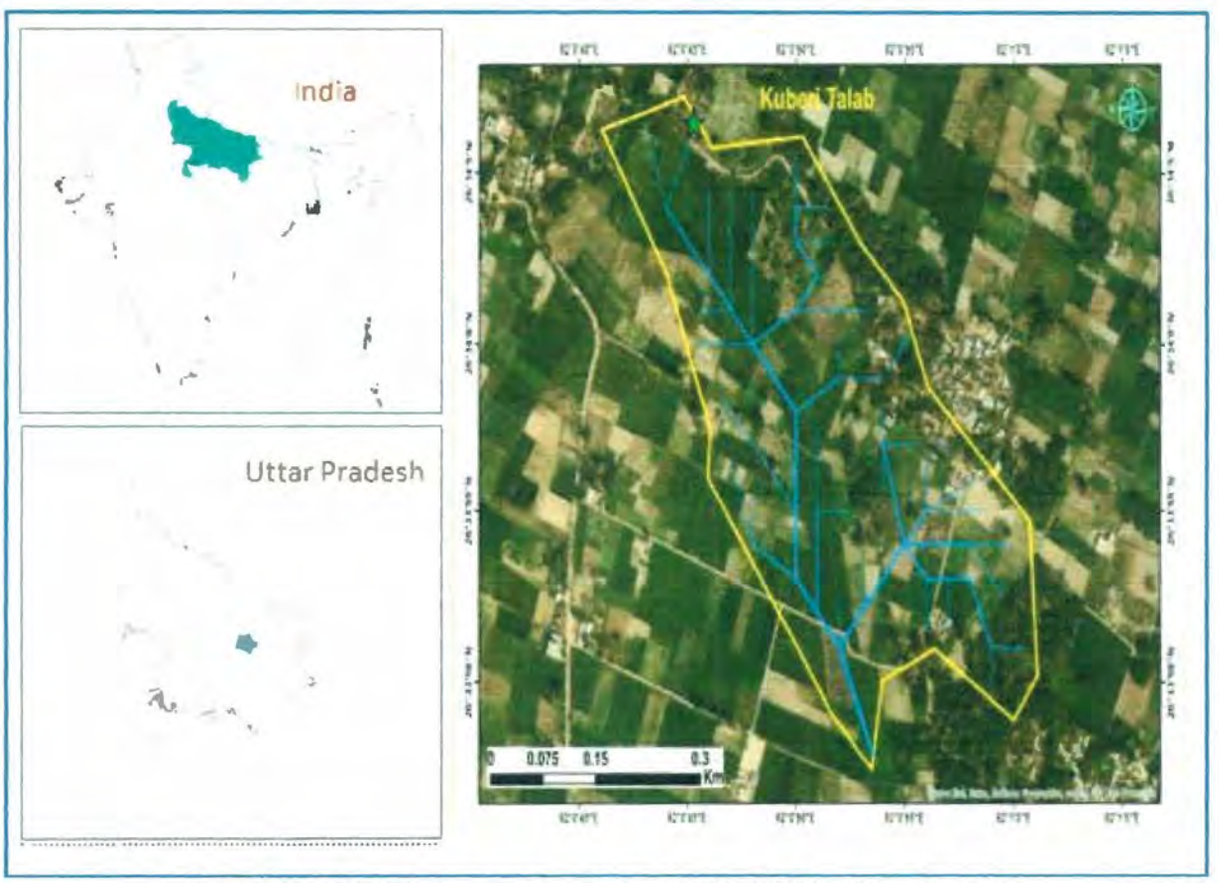
PROJECT NAME: Pond restoration and installation of recharge shaft

PROJECT ID #: UPS415_F(c)

DESCRIPTION OF ACTIVITY: Recharge shaft (1) constructed for de-silting and rejuvenated pond

LOCATION: Kuberi Talab, Vaishya Village, Haringtongunj Block, Faizabad District, Uttar Pradesh, India.

Project Location	Distance in KM away from ABPL plant	Watershed	Longitude	Lattitude
Kuberi Talab, Vaishya Village	31 km	Outside the plant operating watershed	82.012583°	26.568472°



Location of RWH structure implemented by ABPL, Uttar Pradesh

PRIMARY CONTACTS:

Bottiling Unit
Umesh C Joshi
QSE Manager
Amrit Bottlers Pvt. Ltd.,
Faizabad, Uttar Pradesh, India
Phone: +91-9554953181
umeshjoshi@cocacolafzd.com

Operating Unit
Gopu T Rao
Hydrogeologist
Coca-Cola India Pvt. Limited
Gurgaon, India
Phone: +91-9740951234
gorao@coca-cola.com

(18)

SITE VISIT CONDUCTED BY: Mr. Thogaru Rajesh. Mainstay Development Consultants Pvt. Ltd, Secunderabad

The field validation is conducted on 21st to 23rd December 2023 along with Mr. Umesh C Joshi, QSE Manager, Mr. Jitendra, Environmental coordinator ABPL.

OBJECTIVES:

- Harvesting rainwater runoff and recharging local aquifers
- Provide source water for irrigation and domestic during monsoon and non-monsoon seasons
- Positively contribute to the rejuvenation of micro-climatic conditions

BACKGROUND & ACTIVITY DESCRIPTION:

Traditionally in the past, Indian farmers have managed ponds and developed small water bodies in localized depressions to collect water that is used for domestic and irrigation. However, over the years the ponds got silted up due to a lack of de-siltation practices and maintenance. In the recent past under the MNREGA union government scheme, ponds and local water bodies have been identified for de-siltation and rejuvenation, by using appropriate technology options that are suitable to local topographical/hydrogeological conditions. Such rejuvenated ponds recharge local aquifers, by re-charging old tubes and dug wells during the monsoon period and providing water for domestic and irrigation for communities. Local Coca-Cola bottlers have identified such ponds and water bodies for undertaking rejuvenation and augmentation.

The project activity involves two steps 1) identification of de-silted and rejuvenated ponds under the MNREGA scheme; 2) installation of a shaft system to facilitate recharge of groundwater. De-silting typically increases the pond depth from 2-3 meters. The villagers are benefiting as a result of these activities. The projects are maintained annually.

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Figure1.1- Pond with Recharge shafts (Date of Visit: 21/12/2023)

SUMMARY OF REPLENISH BENEFIT:

- 2023 COCA-COLA REPLENISH BENEFIT AS A FUNCTION OF COST-SHARE: 20,169KL/YR

ACTIVITY TIMELINE:

- Project initiated on 18th May 2015
- The project was completed on 30th June 2015 and was fully operational in 2015

COCA-COLA CONTRIBUTION: 100% for the project

Total project cost: 0.002MnUSD TCCC contributions:

The project is funded and implemented by Coca-Cola bottlers in the local community.

120

WATERSHED BENEFITS CALCULATED:

- Increased groundwater recharge.

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1. INCREASED INFILTRATION

Approach & Results

The replenish benefit is calculated as the volume of water recharged to the aquifer. The recharge volume is equal to the minimum of supply and available storage (after accounting for evaporative and usage losses).

The volume of water available for aquifer recharge is estimated separately for each pond by calculating the supply of available runoff from the catchment according to the equation below:
Supply (m^3) = Catchment Area (m^2) x Annual Rainfall (m) x Catchment Coefficient

The supply from the catchment is compared to the available storage of the ponds. Storage potential was estimated by considering the number of times the ponds will fill to maximum volume. It was conservatively assumed that each pond can potentially be filled two times (in cases of hard rock sub-surface geology) or three times (in cases of soft rock sub-surface geology) its volume annually. The volume of water captured by the ponds is estimated as the minimum of supply and available storage (after accounting for usage and evaporation losses of storage potential).

Table 1. Dimensions of the pond

State	Check Dam/Pond Location/any other	Avg. Length (m)	Avg. Width (m)	Avg. Depth (m)	Pond Volume (m3)
Uttar Pradesh	Kuberi Talab	83	81	3	20,169

Table 2. Summary of Pond area characteristics and estimated recharge volume

State	Location of Project	Catchment Area (Sq.km)	Annual Rainfall (mm)	Supply Volume (m3/yr.)	Storage Potential (m3)	Total Recharge Volume (m3/yr.)
Uttar Pradesh	Kuberi Talab	1.05	1033.3	81,348	20,169	20,169

The total estimated replenish benefit from the ponds is provided below:

- Benefit (increase in recharge): 20,169KL/yr.
- The total (ultimate) water quantity benefit is 20,169KL/yr.
- TCCC total (ultimate) benefit taken as a function of cost-share is 20,169KL/yr.

121

The current (2023) benefit and projected benefits are based on the total benefit, adjusted to account for the implementation schedule and TCCC cost share. These are presented below.

2023 Replenish Benefit

The 2023 benefit is the performance-based benefit from this activity as of the end of the calendar year 2023. The total 2023 benefit is 20,169KL/yr. and TCCC's benefit (adjusted for cost-share) is 20,169KL/yr.

Projected Water Quantity Benefits Summary

Table 3 shows the projected benefits that this activity will provide if the project remains in productive service. All projected benefits will be verified by TCCC before they are reported as actual benefits. The benefits are scaled for the implementation schedule in the second column and scaled further for the TCCC cost share in the third column.

Table 3 Shows the Projected Water Quantity Benefits Summary

Year	Total Benefit (KL/yr.)	Adjusted for TCCC Cost Share (KL/yr.)
2023	20,169	20,169
2024	20,169	20,169
2025	20,169	20,169
Ultimate Benefit:	20,169	20,169

Data Sources

- Data on pond volumes, catchment areas, and rainfall were provided by the **Amrit Bottlers Pvt. Ltd., Faizabad.**

Maintenance Status

- Pond and recharge structures are in good condition need minor cleaning maintenance.

Assumptions

- The ponds are maintained properly. This includes annually clearing of pond inlet and the openings of the recharge shafts of debris before the arrival of monsoon rain.

OTHER BENEFITS NOT QUANTIFIED

- Local employment opportunities during construction and maintenance
- Drinking water facility for cattle and wildlife.
- Reduce runoff and sediment erosion and creates water storage facilities.

NOTES

- Awareness building programs for the community on water replenishment projects is important and sharing benefits to stakeholders on yearly basis goes as best practice.

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REFERENCES

1. Manual on artificial recharge of groundwater, CGWB 2007
2. Replenish Assurance Processes and Documentation Requirements "supplemental KORE Requirements" KORE documents OU-SR-035
3. OU-RQ-035-PRG Water replenishes assurance process requirements
4. https://ingres.iith.ac.in/gecdataonline/gis/INDIA

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123

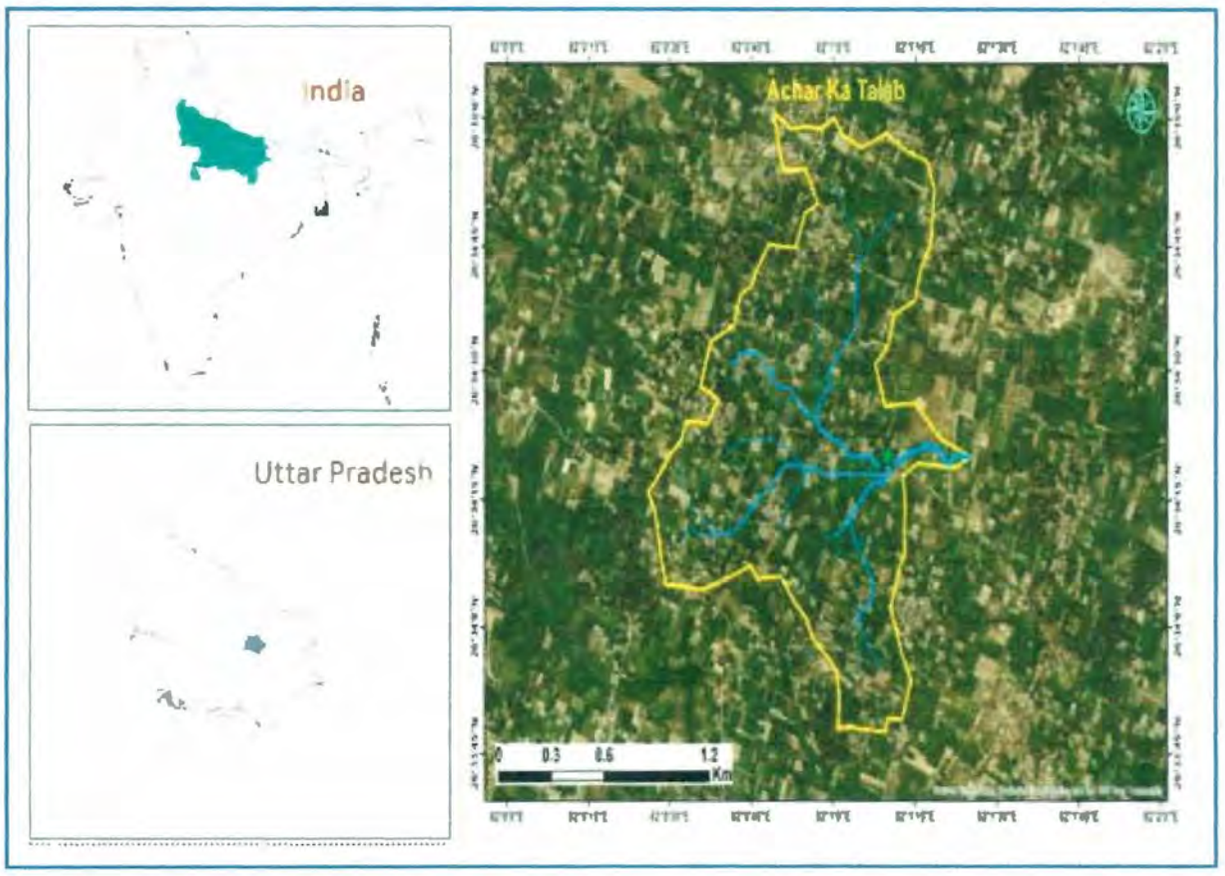
PROJECT NAME: Pond restoration and installation of recharge shaft

PROJECT ID #: UPS415_F(d)

DESCRIPTION OF ACTIVITY: Recharge shaft (3) constructed for de-silting and rejuvenated pond

LOCATION: AcharKa Talab, Vaishya Village, Haringtongunj Block, Faizabad District, Uttar Pradesh, India.

Project Location	Distance in KM away from ABPL plant	Watershed	Longitude	Lattitude
AcharKa Talab, Vaishya Village	28 km	Outside the plant operating watershed	82.019417°	26.572333°



Location of RWH structure implemented by ABPL, Uttar Pradesh

PRIMARY CONTACTS

Bottling Unit
Umesh C Joshi
QSE Manager
Amrit Bottlers Pvt. Ltd.,
Faizabad, Uttar Pradesh, India
Phone: +91-9554953181
umeshjoshi@cocacolafzd.com

Operating Unit
Gopu T Rao
Hydrogeologist
Coca-Cola India Pvt. Limited
Gurgaon, India
Phone: +91-9740951234
gorao@coca-cola.com

(124)

SITE VISIT CONDUCTED BY: Mr. Thogaru Rajesh. Mainstay Development Consultants Pvt. Ltd, Secunderabad

The field validation is conducted on 21st to 23rd December 2023 along with Mr. Umesh C Joshi, QSE Manager, Mr. Jitendra, Environmental coordinator ABPL.

OBJECTIVES:

- Harvesting rainwater runoff and recharging local aquifers
- Provide source water for irrigation and domestic during monsoon and non-monsoon seasons
- Positively contribute to the rejuvenation of micro-climatic conditions

BACKGROUND & ACTIVITY DESCRIPTION:

Traditionally in the past, Indian farmers have managed ponds and developed small water bodies in localized depressions to collect water that is used for domestic and irrigation. However, over the years the ponds got silted up due to a lack of de-siltation practices and maintenance. In the recent past under the MNREGA union government scheme, ponds and local water bodies have been identified for de-siltation and rejuvenation, by using appropriate technology options that are suitable to local topographical/hydrogeological conditions. Such rejuvenated ponds recharge local aquifers, by re-charging old tubes and dug wells during the monsoon period and providing water for domestic and irrigation for communities. Local Coca-Cola bottlers have identified such ponds and water bodies for undertaking rejuvenation and augmentation.

The project activity involves two steps 1) identification of de-silted and rejuvenated ponds under the MNREGA scheme; 2) installation of a shaft system to facilitate recharge of groundwater. De-silting typically increases the pond depth from 2-3 meters. The villagers are benefiting as a result of these activities. The projects are maintained annually.

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Figure1.1- Pond with Recharge shafts (Date of Visit: 21/12/2023)

SUMMARY OF REPLENISH BENEFIT:

- 2023 COCA-COLA REPLENISH BENEFIT AS A FUNCTION OF COST-SHARE: 27,456KL/YR

ACTIVITY TIMELINE:

- Project initiated on 18th May 2015
- The project was completed on 30th June 2015 and was fully operational in 2015

COCA-COLA CONTRIBUTION: 100% for the project

Total project cost: 0.007MnUSD TCCC contributions:

The project is funded and implemented by Coca-Cola bottlers in the local community.

126

WATERSHED BENEFITS CALCULATED:

- Increased groundwater recharge.

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1. INCREASED INFILTRATION

Approach & Results

The replenish benefit is calculated as the volume of water recharged to the aquifer. The recharge volume is equal to the minimum of supply and available storage (after accounting for evaporative and usage losses).

The volume of water available for aquifer recharge is estimated separately for each pond by calculating the supply of available runoff from the catchment according to the equation below:
Supply (m^3) = Catchment Area (m^2) x Annual Rainfall (m) x Catchment Coefficient

The supply from the catchment is compared to the available storage of the ponds. Storage potential was estimated by considering the number of times the ponds will fill to maximum volume. It was conservatively assumed that each pond can potentially be filled two times (in cases of hard rock sub-surface geology) or three times (in cases of soft rock sub-surface geology) its volume annually. The volume of water captured by the ponds is estimated as the minimum of supply and available storage (after accounting for usage and evaporation losses of storage potential).

Table 1. Dimensions of the pond

State	Check Dam/Pond Location/any other	Avg. Length (m)	Avg. Width (m)	Avg. Depth (m)	Pond Volume (m3)
Uttar Pradesh	Achar Ka Talab	104	88	3	27,456

Table 2. Summary of Pond area characteristics and estimated recharge volume

State	Location of Project	Catchment Area (Sq.km)	Annual Rainfall (mm)	Supply Volume (m3/yr.)	Storage Potential (m3)	Total Recharge Volume (m3/yr.)
Uttar Pradesh	Achar Ka Talab	1.16	1033.3	89,871	27,456	27,456

The total estimated replenish benefit from the ponds is provided below:

- Benefit (increase in recharge): 27,456KL/yr.
- The total (ultimate) water quantity benefit is 27,456KL/yr.
- TCCC total (ultimate) benefit taken as a function of cost-share is 27,456KL/yr.

The current (2023) benefit and projected benefits are based on the total benefit, adjusted to account for the implementation schedule and TCCC cost share. These are presented below.

2023 Replenish Benefit

The 2023 benefit is the performance-based benefit from this activity as of the end of the calendar year 2023. The total 2023 benefit is 27,456KL/yr. and TCCC's benefit (adjusted for cost-share) is 27,456KL/yr.

Projected Water Quantity Benefits Summary

Table 3 shows the projected benefits that this activity will provide if the project remains in productive service. All projected benefits will be verified by TCCC before they are reported as actual benefits. The benefits are scaled for the implementation schedule in the second column and scaled further for the TCCC cost share in the third column.

Table 3 Shows the Projected Water Quantity Benefits Summary

Year	Total Benefit (KL/yr.)	Adjusted for TCCC Cost Share (KL/yr.)
2023	27,456	27,456
2024	27,456	27,456
2025	27,456	27,456
Ultimate Benefit:	27,456	27,456

Data Sources

- Data on pond volumes, catchment areas, and rainfall were provided by the **Amrit Bottlers Pvt. Ltd., Faizabad.**

Maintenance Status

- Pond and recharge structures are in good condition need minor cleaning maintenance.

Assumptions

- The ponds are maintained properly. This includes annually clearing of pond inlet and the openings of the recharge shafts of the debris before the arrival of monsoon rain.

OTHER BENEFITS NOT QUANTIFIED

- Local employment opportunities during construction and maintenance
- Drinking water facility for cattle and wildlife.
- Reduce runoff and sediment erosion and creates water storage facilities.

NOTES

- Awareness building programs for the community on water replenishment projects is important and sharing benefits to stakeholders on yearly basis goes as best practice.

128

REFERENCES

1. Manual on artificial recharge of groundwater, CGWB 2007
2. Replenish Assurance Processes and Documentation Requirements "supplemental KORE Requirements" KORE documents OU-SR-035
3. OU-RQ-035-PRG Water replenishes assurance process requirements
4. https://ingres.iith.ac.in/gecdataonline/gis/INDIA

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129

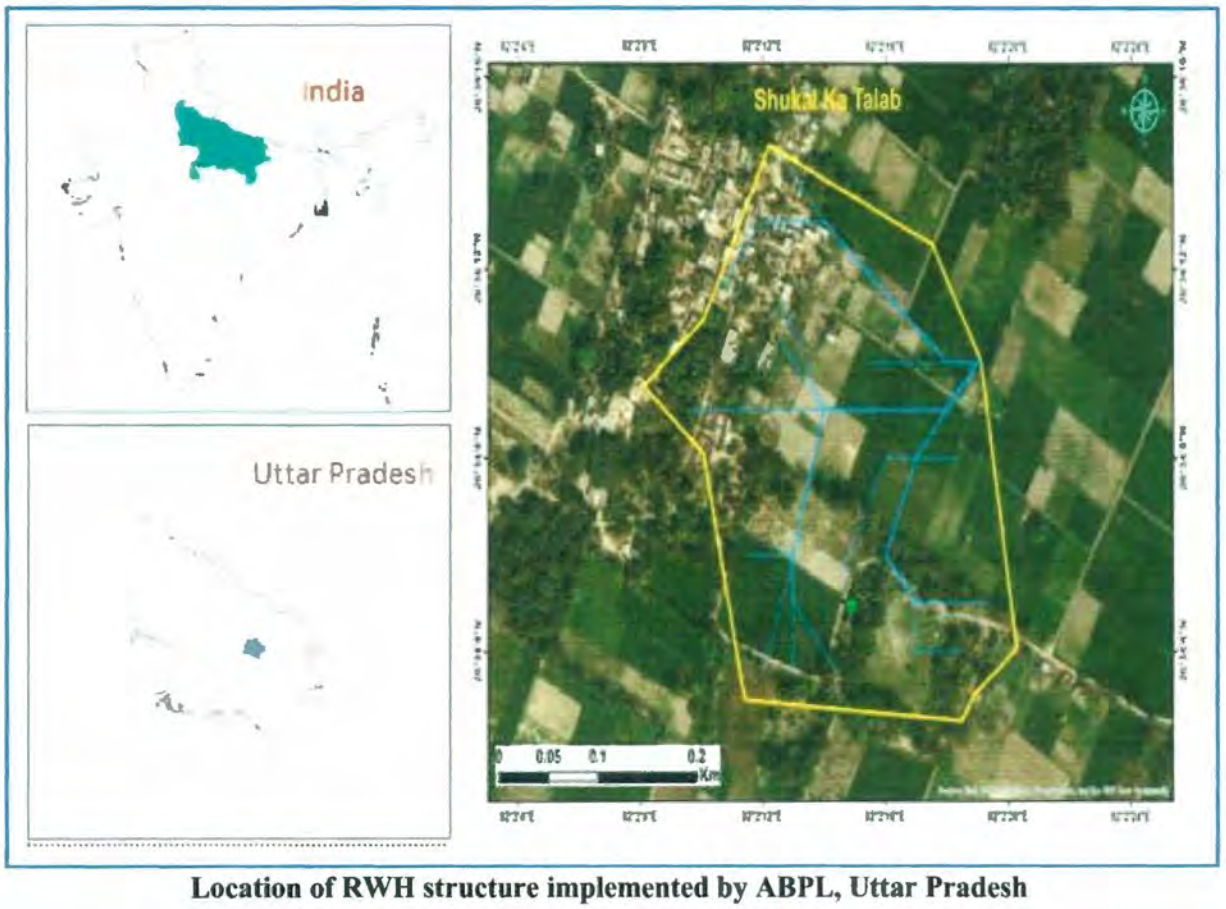
PROJECT NAME: Pond restoration and installation of recharge shaft

PROJECT ID #: UPS415_F(e)

DESCRIPTION OF ACTIVITY: Recharge shaft (1) constructed for de-silting and rejuvenated pond

LOCATION: Shukal Ka Talab, Niyamatpur Village, Haringtongunj Block, Faizabad District, Uttar Pradesh, India.

Project Location	Distance in KM away from ABPL plant	Watershed	Longitude	Lattitude
Shukal Ka Talab, Niyamatpur Village	29 km	Outside the plant operating watershed	82.037472°	26.568056°



Location of RWH structure implemented by ABPL, Uttar Pradesh

PRIMARY CONTACTS:

Bottling Unit
Umesh C Joshi
QSE Manager
Amrit Bottlers Pvt. Ltd.,
Faizabad, Uttar Pradesh, India
Phone: +91-9554953181
umeshjoshi@cocacolafzd.com

Operating Unit
Gopu T Rao
Hydrogeologist
Coca-Cola India Pvt. Limited
Gurgaon, India
Phone: +91-9740951234
gorao@coca-cola.com

130

SITE VISIT CONDUCTED BY: Mr. Thogaru Rajesh. Mainstay Development Consultants Pvt. Ltd, Secunderabad

The field validation is conducted on 21st to 23rd December 2023 along with Mr. Umesh C Joshi, QSE Manager, Mr. Jitendra, Environmental coordinator ABPL.

OBJECTIVES:

- Harvesting rainwater runoff and recharging local aquifers
- Provide source water for irrigation and domestic during monsoon and non-monsoon seasons
- Positively contribute to the rejuvenation of micro-climatic conditions

BACKGROUND & ACTIVITY DESCRIPTION:

Traditionally in the past, Indian farmers have managed ponds and developed small water bodies in localized depressions to collect water that is used for domestic and irrigation. However, over the years the ponds got silted up due to a lack of de-siltation practices and maintenance. In the recent past under the MNREGA union government scheme, ponds and local water bodies have been identified for de-siltation and rejuvenation, by using appropriate technology options that are suitable to local topographical/hydrogeological conditions. Such rejuvenated ponds recharge local aquifers, by re-charging old tubes and dug wells during the monsoon period and providing water for domestic and irrigation for communities. Local Coca-Cola bottlers have identified such ponds and water bodies for undertaking rejuvenation and augmentation.

The project activity involves two steps 1) identification of de-silted and rejuvenated ponds under the MNREGA scheme; 2) installation of a shaft system to facilitate recharge of groundwater. De-silting typically increases the pond depth from 2-3 meters. The villagers are benefiting as a result of these activities. The projects are maintained annually.

(131)

Figure1.1- Pond with Recharge shafts (Date of Visit: 21/12/2023)

SUMMARY OF REPLENISH BENEFIT:

- 2023 COCA-COLA REPLENISH BENEFIT AS A FUNCTION OF COST-SHARE: 14,625KL/YR

ACTIVITY TIMELINE:

- Project initiated on 18th May 2015
- The project was completed on 30th June 2015 and was fully operational in 2015

COCA-COLA CONTRIBUTION: 100% for the project

Total project cost: 0.002MnUSD TCCC contributions:

The project is funded and implemented by Coca-Cola bottlers in the local community.

(132)

WATERSHED BENEFITS CALCULATED:

- Increased groundwater recharge.

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1. INCREASED INFILTRATION

Approach & Results

The replenish benefit is calculated as the volume of water recharged to the aquifer. The recharge volume is equal to the minimum of supply and available storage (after accounting for evaporative and usage losses).

The volume of water available for aquifer recharge is estimated separately for each pond by calculating the supply of available runoff from the catchment according to the equation below:
Supply (m^3) = Catchment Area (m^2) x Annual Rainfall (m) x Catchment Coefficient

The supply from the catchment is compared to the available storage of the ponds. Storage potential was estimated by considering the number of times the ponds will fill to maximum volume. It was conservatively assumed that each pond can potentially be filled two times (in cases of hard rock sub-surface geology) or three times (in cases of soft rock sub-surface geology) its volume annually. The volume of water captured by the ponds is estimated as the minimum of supply and available storage (after accounting for usage and evaporation losses of storage potential).

Table 1. Dimensions of the pond

State	Check Dam/Pond Location/any other	Avg. Length (m)	Avg. Width (m)	Avg. Depth (m)	Pond Volume (m3)
Uttar Pradesh	Shukal Ka Talab	75	65	3	14,625

Table 2. Summary of Pond area characteristics and estimated recharge volume

State	Location of Project	Catchment Area (Sq.km)	Annual Rainfall (mm)	Supply Volume (m3/yr.)	Storage Potential (m3)	Total Recharge Volume (m3/yr.)
Uttar Pradesh	Shukal Ka Talab	0.85	1033.3	65,853	14,625	14,625

The total estimated replenish benefit from the ponds is provided below:

- Benefit (increase in recharge): 14,625KL/yr.
- The total (ultimate) water quantity benefit is 14,625KL/yr.
- TCCC total (ultimate) benefit taken as a function of cost-share is 14,625KL/yr.

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The current (2023) benefit and projected benefits are based on the total benefit, adjusted to account for the implementation schedule and TCCC cost share. These are presented below.

2023 Replenish Benefit

The 2023 benefit is the performance-based benefit from this activity as of the end of the calendar year 2023. The total 2023 benefit is 14,625KL/yr. and TCCC's benefit (adjusted for cost-share) is 14,625KL/yr.

Projected Water Quantity Benefits Summary

Table 3 shows the projected benefits that this activity will provide if the project remains in productive service. All projected benefits will be verified by TCCC before they are reported as actual benefits. The benefits are scaled for the implementation schedule in the second column and scaled further for the TCCC cost share in the third column.

Table 3 Shows the Projected Water Quantity Benefits Summary

Year	Total Benefit (KL/yr.)	Adjusted for TCCC Cost Share (KL/yr.)
2023	14,625	14,625
2024	14,625	14,625
2025	14,625	14,625
Ultimate Benefit:	14,625	14,625

Data Sources

- Data on pond volumes, catchment areas, and rainfall were provided by the **Amrit Bottlers Pvt. Ltd., Faizabad.**

Maintenance Status

- Pond and recharge structures are in good condition need minor cleaning maintenance.

Assumptions

- The ponds are maintained properly. This includes annually clearing of pond inlet and the openings of the recharge shafts of the debris before the arrival of monsoon rain.

OTHER BENEFITS NOT QUANTIFIED

- Local employment opportunities during construction and maintenance
- Drinking water facility for cattle and wildlife.
- Reduce runoff and sediment erosion and creates water storage facilities.

NOTES

- Awareness building programs for the community on water replenishment projects is important and sharing benefits to stakeholders on yearly basis goes as best practice.

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REFERENCES

1. Manual on artificial recharge of groundwater, CGWB 2007
2. Replenish Assurance Processes and Documentation Requirements "supplemental KORE Requirements" KORE documents OU-SR-035
3. OU-RQ-035-PRG Water replenishes assurance process requirements
4. https://ingres.iith.ac.in/gecdataonline/gis/INDIA

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135

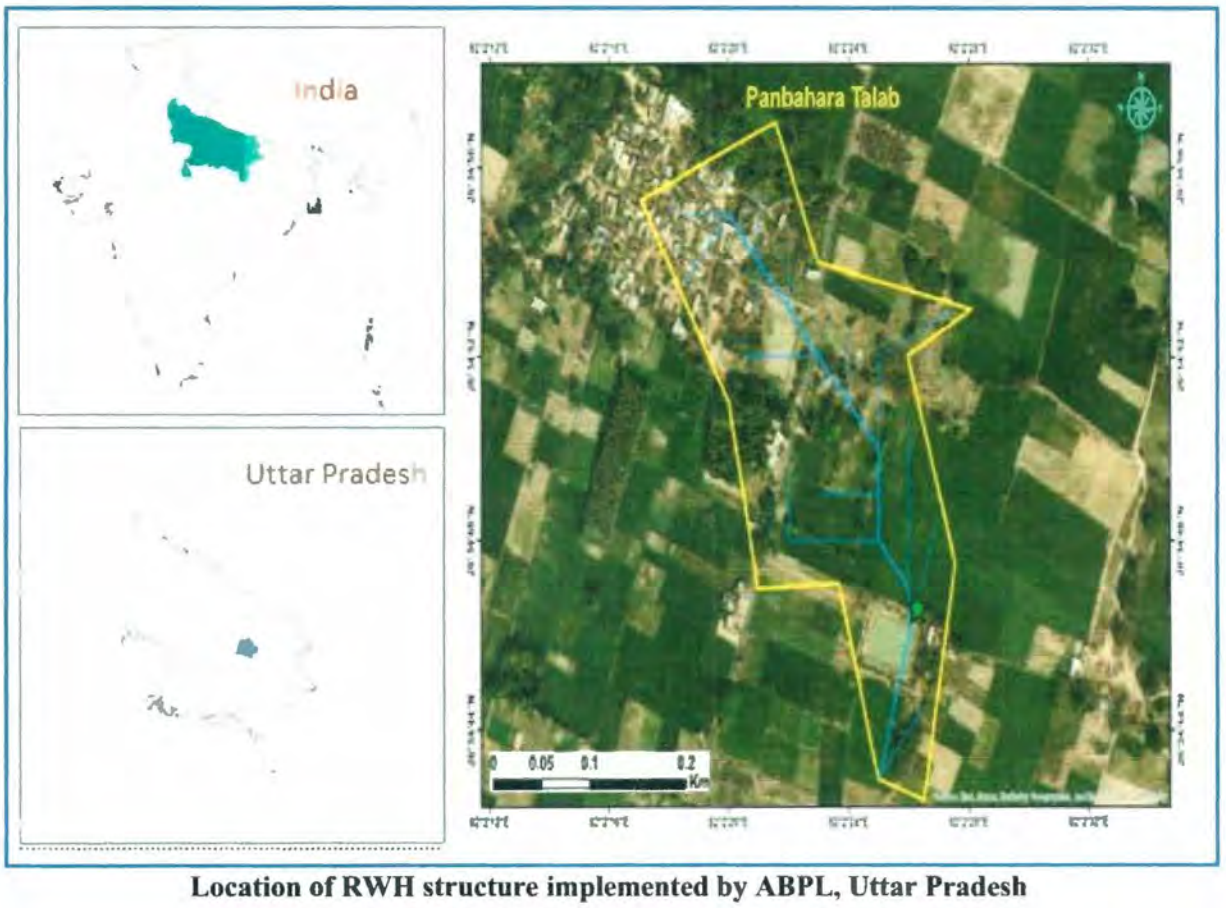
PROJECT NAME: Pond restoration and installation of recharge shaft

PROJECT ID #: UPS415_F(f)

DESCRIPTION OF ACTIVITY: Recharge shaft (1) constructed for de-silting and rejuvenated pond

LOCATION: Panbharia Talab, Sohan Saloni Village, Haringtongunj Block, Faizabad District, Uttar Pradesh, India.

Project Location	Distance in KM away from ABPL plant	Watershed	Longitude	Lattitude
Panbharia Talab, Sohan Saloni Village	27 km	Outside the plant operating watershed	82.040639°	26.579611°



Location of RWH structure implemented by ABPL, Uttar Pradesh

PRIMARY CONTACTS:

Bottling Unit
Umesh C Joshi
QSE Manager
Amrit Bottlers Pvt. Ltd.,
Faizabad, Uttar Pradesh, India
Phone: +91-9554953181
umeshjoshi@cocacolafzd.com

Operating Unit
Gopu T Rao
Hydrogeologist
Coca-Cola India Pvt. Limited
Gurgaon, India
Phone: +91-9740951234
gorao@coca-cola.com

136

SITE VISIT CONDUCTED BY: Mr. Thogaru Rajesh. Mainstay Development Consultants Pvt. Ltd, Secunderabad

The field validation is conducted on 21st to 23rd December 2023 along with Mr. Umesh C Joshi, QSE Manager, Mr. Jitendra, Environmental coordinator ABPL.

OBJECTIVES:

- Harvesting rainwater runoff and recharging local aquifers
- Provide source water for irrigation and domestic during monsoon and non-monsoon seasons
- Positively contribute to the rejuvenation of micro-climatic conditions

BACKGROUND & ACTIVITY DESCRIPTION:

Traditionally in the past, Indian farmers have managed ponds and developed small water bodies in localized depressions to collect water that is used for domestic and irrigation. However, over the years the ponds got silted up due to a lack of de-siltation practices and maintenance. In the recent past under the MNREGA union government scheme, ponds and local water bodies have been identified for de-siltation and rejuvenation, by using appropriate technology options that are suitable to local topographical/hydrogeological conditions. Such rejuvenated ponds recharge local aquifers, by re-charging old tubes and dug wells during the monsoon period and providing water for domestic and irrigation for communities. Local Coca-Cola bottlers have identified such ponds and water bodies for undertaking rejuvenation and augmentation.

The project activity involves two steps 1) identification of de-silted and rejuvenated ponds under the MNREGA scheme; 2) installation of a shaft system to facilitate recharge of groundwater. De-silting typically increases the pond depth from 2-3 meters. The villagers are benefiting as a result of these activities. The projects are maintained annually.

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Figure1.1- Pond with Recharge shafts (Date of Visit: 21/12/2023)

SUMMARY OF REPLENISH BENEFIT:

- 2023 COCA-COLA REPLENISH BENEFIT AS A FUNCTION OF COST-SHARE: 6,300KL/YR

ACTIVITY TIMELINE:

- Project initiated on 18th May 2015
- The project was completed on 30th June 2015 and was fully operational in 2015

COCA-COLA CONTRIBUTION: 100% for the project

Total project cost: 0.002MnUSD TCCC contributions:

The project is funded and implemented by Coca-Cola bottlers in the local community.

WATERSHED BENEFITS CALCULATED:

- Increased groundwater recharge.

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1. INCREASED INFILTRATION

Approach & Results

The replenish benefit is calculated as the volume of water recharged to the aquifer. The recharge volume is equal to the minimum of supply and available storage (after accounting for evaporative and usage losses).

The volume of water available for aquifer recharge is estimated separately for each pond by calculating the supply of available runoff from the catchment according to the equation below:
Supply (m^3) = Catchment Area (m^2) x Annual Rainfall (m) x Catchment Coefficient

The supply from the catchment is compared to the available storage of the ponds. Storage potential was estimated by considering the number of times the ponds will fill to maximum volume. It was conservatively assumed that each pond can potentially be filled two times (in cases of hard rock sub-surface geology) or three times (in cases of soft rock sub-surface geology) its volume annually. The volume of water captured by the ponds is estimated as the minimum of supply and available storage (after accounting for usage and evaporation losses of storage potential).

Table 1. Dimensions of the pond

State	Check Dam/Pond Location/any other	Avg. Length (m)	Avg. Width (m)	Avg. Depth (m)	Pond Volume (m3)
Uttar Pradesh	Panbharia Talab	50	42	3	6,300

Table 2. Summary of Pond area characteristics and estimated recharge volume

State	Location of Project	Catchment Area (Sq.km)	Annual Rainfall (mm)	Supply Volume (m3/yr.)	Storage Potential (m3)	Total Recharge Volume (m3/yr.)
Uttar Pradesh	Panbharia Talab	0.43	1033.3	33,314	6,300	6,300

The total estimated replenish benefit from the ponds is provided below:

- Benefit (increase in recharge): 6,300KL/yr.
- The total (ultimate) water quantity benefit is 6,300KL/yr.
- TCCC total (ultimate) benefit taken as a function of cost-share is 6,300KL/yr.

The current (2023) benefit and projected benefits are based on the total benefit, adjusted to account for the implementation schedule and TCCC cost share. These are presented below.

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2023 Replenish Benefit

The 2023 benefit is the performance-based benefit from this activity as of the end of the calendar year 2023. The total 2023 benefit is 6,300KL/yr. and TCCC's benefit (adjusted for cost-share) is 6,300KL/yr.

Projected Water Quantity Benefits Summary

Table 3 shows the projected benefits that this activity will provide if the project remains in productive service. All projected benefits will be verified by TCCC before they are reported as actual benefits. The benefits are scaled for the implementation schedule in the second column and scaled further for the TCCC cost share in the third column.

Table 3 Shows the Projected Water Quantity Benefits Summary

Year	Total Benefit (KL/yr.)	Adjusted for TCCC Cost Share (KL/yr.)
2023	6,300	6,300
2024	6,300	6,300
2025	6,300	6,300
Ultimate Benefit:	6,300	6,300

Data Sources

- Data on pond volumes, catchment areas, and rainfall were provided by the **Amrit Bottlers Pvt. Ltd., Faizabad.**

Maintenance Status

- Pond and recharge structures are in good condition need minor cleaning maintenance.

Assumptions

- The ponds are maintained properly. This includes annually clearing of pond inlet and the openings of the recharge shafts of the debris before the arrival of monsoon rain.

OTHER BENEFITS NOT QUANTIFIED

- Local employment opportunities during construction and maintenance
- Drinking water facility for cattle and wildlife.
- Reduce runoff and sediment erosion and creates water storage facilities.

NOTES

- Awareness building programs for the community on water replenishment projects is important and sharing benefits to stakeholders on yearly basis goes as best practice.

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REFERENCES

1. Manual on artificial recharge of groundwater, CGWB 2007
2. Replenish Assurance Processes and Documentation Requirements "supplemental KORE Requirements" KORE documents OU-SR-035
3. OU-RQ-035-PRG Water replenishes assurance process requirements
4. https://ingres.iith.ac.in/gecdataonline/gis/INDIA

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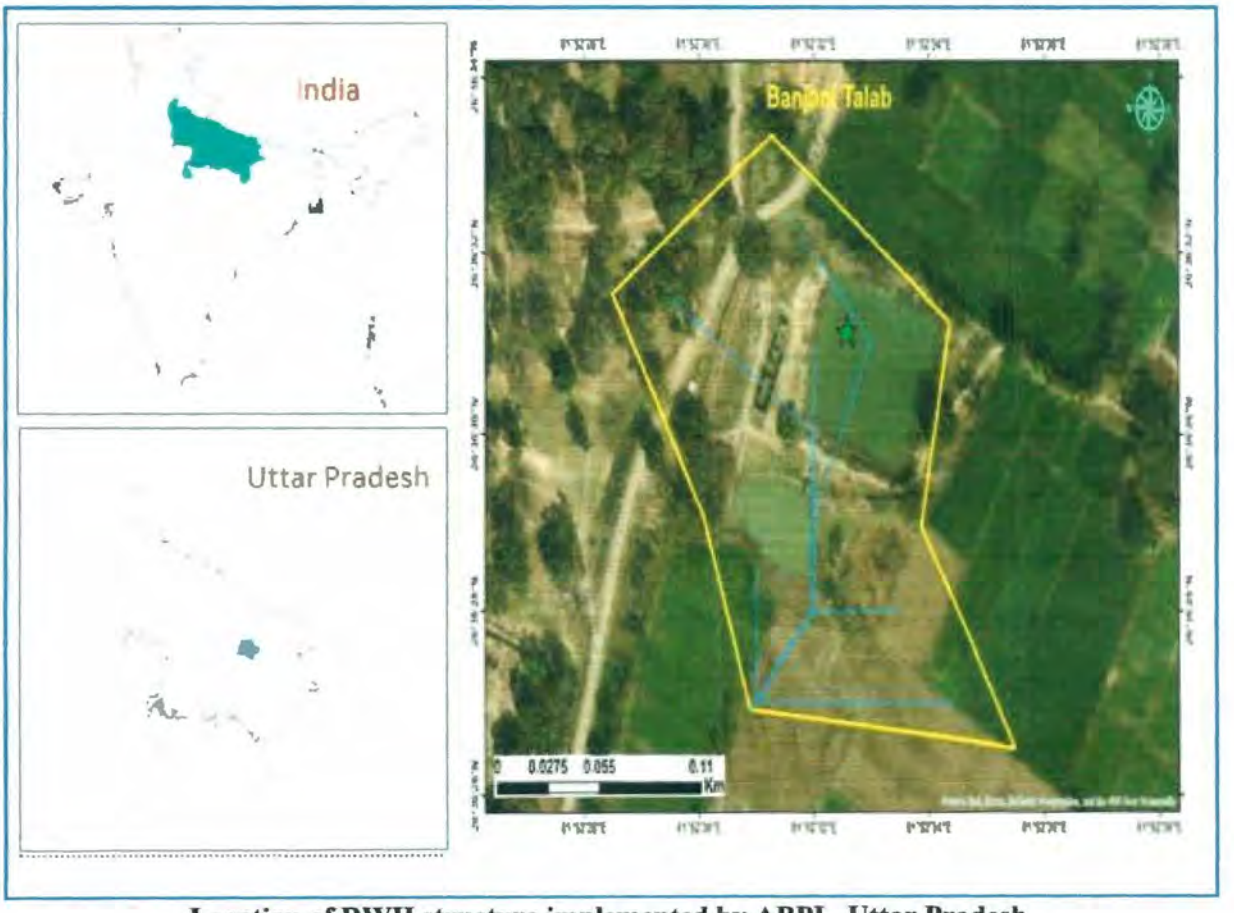
PROJECT NAME: Pond restoration and installation of recharge shaft

PROJECT ID #: UPS415_F(g)

DESCRIPTION OF ACTIVITY: Recharge shaft (1) constructed for de-silting and rejuvenated pond

LOCATION: Banjani Talab, Parsawa Village, Milkypur Block, Faizabad District, Uttar Pradesh, India.

Project Location	Distance in KM away from ABPL plant	Watershed	Longitude	Lattitude
Banjani Talab, Parsawa Village	36 km	Outside the plant operating watershed	81.875500°	26.608806°



Location of RWH structure implemented by ABPL, Uttar Pradesh

PRIMARY CONTACTS:

Bottling Unit
Umesh C Joshi
QSE Manager
Amrit Bottlers Pvt. Ltd.,
Faizabad, Uttar Pradesh, India
Phone: +91-9554953181
umeshjoshi@cocacolafzd.com

Operating Unit
Gopu T Rao
Hydrogeologist
Coca-Cola India Pvt. Limited
Gurgaon, India
Phone: +91-9740951234
gorao@coca-cola.com

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SITE VISIT CONDUCTED BY: Mr. Thogaru Rajesh. Mainstay Development Consultants Pvt. Ltd, Secunderabad

The field validation is conducted on 21st to 23rd December 2023 along with Mr. Umesh C Joshi, QSE Manager, Mr. Jitendra, Environmental coordinator ABPL.

OBJECTIVES:

- Harvesting rainwater runoff and recharging local aquifers
- Provide source water for irrigation and domestic during monsoon and non-monsoon seasons
- Positively contribute to the rejuvenation of micro-climatic conditions

BACKGROUND & ACTIVITY DESCRIPTION:

Traditionally in the past, Indian farmers have managed ponds and developed small water bodies in localized depressions to collect water that is used for domestic and irrigation. However, over the years the ponds got silted up due to a lack of de-siltation practices and maintenance. In the recent past under the MNREGA union government scheme, ponds and local water bodies have been identified for de-siltation and rejuvenation, by using appropriate technology options that are suitable to local topographical/hydrogeological conditions. Such rejuvenated ponds recharge local aquifers, by re-charging old tubes and dug wells during the monsoon period and providing water for domestic and irrigation for communities. Local Coca-Cola bottlers have identified such ponds and water bodies for undertaking rejuvenation and augmentation.

The project activity involves two steps 1) identification of de-silted and rejuvenated ponds under the MNREGA scheme; 2) installation of a shaft system to facilitate recharge of groundwater. De-silting typically increases the pond depth from 2-3 meters. The villagers are benefiting as a result of these activities. The projects are maintained annually.

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Figure1.1- Pond with Recharge shafts (Date of Visit: 21/12/2023)

SUMMARY OF REPLENISH BENEFIT:

- 2023 COCA-COLA REPLENISH BENEFIT AS A FUNCTION OF COST-SHARE: 10,080KL/YR

ACTIVITY TIMELINE:

- Project initiated on 18th May 2015
- The project was completed on 30th June 2015 and was fully operational in 2015

COCA-COLA CONTRIBUTION: 100% for the project

Total project cost: 0.002MnUSD TCCC contributions:

The project is funded and implemented by Coca-Cola bottlers in the local community.

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WATERSHED BENEFITS CALCULATED:

- Increased groundwater recharge.

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1. INCREASED INFILTRATION

Approach & Results

The replenish benefit is calculated as the volume of water recharged to the aquifer. The recharge volume is equal to the minimum of supply and available storage (after accounting for evaporative and usage losses).

The volume of water available for aquifer recharge is estimated separately for each pond by calculating the supply of available runoff from the catchment according to the equation below:
Supply (m^3) = Catchment Area (m^2) x Annual Rainfall (m) x Catchment Coefficient

The supply from the catchment is compared to the available storage of the ponds. Storage potential was estimated by considering the number of times the ponds will fill to maximum volume. It was conservatively assumed that each pond can potentially be filled two times (in cases of hard rock sub-surface geology) or three times (in cases of soft rock sub-surface geology) its volume annually. The volume of water captured by the ponds is estimated as the minimum of supply and available storage (after accounting for usage and evaporation losses of storage potential).

Table 1. Dimensions of the pond

State	Check Dam/Pond Location/any other	Avg. Length (m)	Avg. Width (m)	Avg. Depth (m)	Pond Volume (m3)
Uttar Pradesh	Bnajani Talab	60	56	3	10,080

Table 2. Summary of Pond area characteristics and estimated recharge volume

State	Location of Project	Catchment Area (Sq.km)	Annual Rainfall (mm)	Supply Volume (m3/yr.)	Storage Potential (m3)	Total Recharge Volume (m3/yr.)
Uttar Pradesh	Banjani Talab	0.59	1033.3	45,710	10,080	10,080

The total estimated replenish benefit from the ponds is provided below:

- Benefit (increase in recharge): 10,080KL/yr.
- The total (ultimate) water quantity benefit is 10,080KL/yr.
- TCCC total (ultimate) benefit taken as a function of cost-share is 10,080KL/yr.

145

The current (2023) benefit and projected benefits are based on the total benefit, adjusted to account for the implementation schedule and TCCC cost share. These are presented below.

2023 Replenish Benefit

The 2023 benefit is the performance-based benefit from this activity as of the end of the calendar year 2023. The total 2023 benefit is 10,080KL/yr. and TCCC's benefit (adjusted for cost-share) is 10,080KL/yr.

Projected Water Quantity Benefits Summary

Table 3 shows the projected benefits that this activity will provide if the project remains in productive service. All projected benefits will be verified by TCCC before they are reported as actual benefits. The benefits are scaled for the implementation schedule in the second column and scaled further for the TCCC cost share in the third column.

Table 3 Shows the Projected Water Quantity Benefits Summary

Year	Total Benefit (KL/yr.)	Adjusted for TCCC Cost Share (KL/yr.)
2023	10,080	10,080
2024	10,080	10,080
2025	10,080	10,080
Ultimate Benefit:	10,080	10,080

Data Sources

- Data on pond volumes, catchment areas, and rainfall were provided by the **Amrit Bottlers Pvt. Ltd., Faizabad.**

Maintenance Status

- Pond and recharge structures are in good condition need minor cleaning maintenance.

Assumptions

- The ponds are maintained properly. This includes annually clearing of pond inlet and the openings of the recharge shafts of debris before the arrival of monsoon rain.

OTHER BENEFITS NOT QUANTIFIED

- Local employment opportunities during construction and maintenance
- Drinking water facility for cattle and wildlife.
- Reduce runoff and sediment erosion and creates water storage facilities.

NOTES

- Awareness building programs for the community on water replenishment projects is important and sharing benefits to stakeholders on yearly basis goes as best practice.

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REFERENCES

1. Manual on artificial recharge of groundwater, CGWB 2007
2. Replenish Assurance Processes and Documentation Requirements "supplemental KORE Requirements" KORE documents OU-SR-035
3. OU-RQ-035-PRG Water replenishes assurance process requirements
4. https://ingres.iith.ac.in/gecdataonline/gis/INDIA

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147

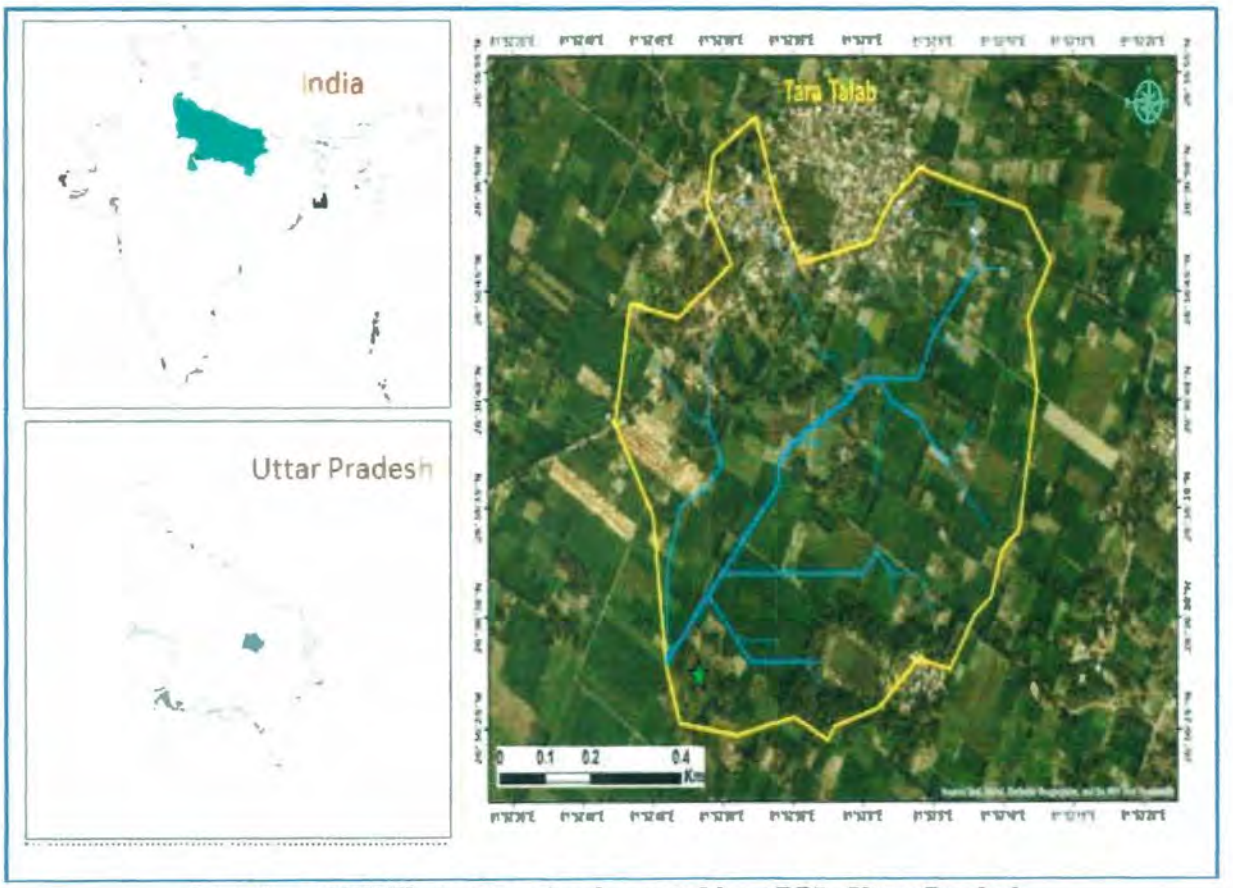
PROJECT NAME: Pond restoration and installation of recharge shaft

PROJECT ID #: UPS415_F(h)

DESCRIPTION OF ACTIVITY: Recharge shaft (1) constructed for de-silting and rejuvenated pond

LOCATION: Tara Talab, Parsawa Village, Milkypur Block, Faizabad District, Uttar Pradesh, India.

Project Location	Distance in KM away from ABPL plant	Watershed	Longitude	Lattitude
Tara Talab, Parsawa Village	36 km	Outside the plant operating watershed	81.880194°	26.608111°



Location of RWH structure implemented by ABPL, Uttar Pradesh

PRIMARY CONTACTS:

Bottling Unit
Umesh C Joshi
QSE Manager
Amrit Bottlers Pvt. Ltd.,
Faizabad, Uttar Pradesh, India
Phone: +91-9554953181
umeshjoshi@cocacolafzd.com

Operating Unit
Gopu T Rao
Hydrogeologist
Coca-Cola India Pvt. Limited
Gurgaon, India
Phone: +91-9740951234
gorao@coca-cola.com

148

SITE VISIT CONDUCTED BY: Mr. Thogaru Rajesh. Mainstay Development Consultants Pvt. Ltd, Secunderabad

The field validation is conducted on 21st to 23rd December 2023 along with Mr. Umesh C Joshi, QSE Manager, Mr. Jitendra, Environmental coordinator ABPL.

OBJECTIVES:

- Harvesting rainwater runoff and recharging local aquifers
- Provide source water for irrigation and domestic during monsoon and non-monsoon seasons
- Positively contribute to the rejuvenation of micro-climatic conditions

BACKGROUND & ACTIVITY DESCRIPTION:

Traditionally in the past, Indian farmers have managed ponds and developed small water bodies in localized depressions to collect water that is used for domestic and irrigation. However, over the years the ponds got silted up due to a lack of de-siltation practices and maintenance. In the recent past under the MNREGA union government scheme, ponds and local water bodies have been identified for de-siltation and rejuvenation, by using appropriate technology options that are suitable to local topographical/hydrogeological conditions. Such rejuvenated ponds recharge local aquifers, by re-charging old tubes and dug wells during the monsoon period and providing water for domestic and irrigation for communities. Local Coca-Cola bottlers have identified such ponds and water bodies for undertaking rejuvenation and augmentation.

The project activity involves two steps 1) identification of de-silted and rejuvenated ponds under the MNREGA scheme; 2) installation of a shaft system to facilitate recharge of groundwater. De-silting typically increases the pond depth from 2-3 meters. The villagers are benefiting as a result of these activities. The projects are maintained annually.

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Figure1.1- Pond with Recharge shafts (Date of Visit: 21/12/2023)

SUMMARY OF REPLENISH BENEFIT:

- 2023 COCA-COLA REPLENISH BENEFIT AS A FUNCTION OF COST-SHARE: 25,500KL/YR

ACTIVITY TIMELINE:

- Project initiated on 18th May 2015
- The project was completed on 30th June 2015 and was fully operational in 2015

COCA-COLA CONTRIBUTION: 100% for the project

Total project cost: 0.002MnUSD TCCC contributions:

The project is funded and implemented by Coca-Cola bottlers in the local community.

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WATERSHED BENEFITS CALCULATED:

- Increased groundwater recharge.

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1. INCREASED INFILTRATION

Approach & Results

The replenish benefit is calculated as the volume of water recharged to the aquifer. The recharge volume is equal to the minimum of supply and available storage (after accounting for evaporative and usage losses).

The volume of water available for aquifer recharge is estimated separately for each pond by calculating the supply of available runoff from the catchment according to the equation below:
Supply (m^3) = Catchment Area (m^2) x Annual Rainfall (m) x Catchment Coefficient

The supply from the catchment is compared to the available storage of the ponds. Storage potential was estimated by considering the number of times the ponds will fill to maximum volume. It was conservatively assumed that each pond can potentially be filled two times (in cases of hard rock sub-surface geology) or three times (in cases of soft rock sub-surface geology) its volume annually. The volume of water captured by the ponds is estimated as the minimum of supply and available storage (after accounting for usage and evaporation losses of storage potential).

Table 1. Dimensions of the pond

State	Check Dam/Pond Location/any other	Avg. Length (m)	Avg. Width (m)	Avg. Depth (m)	Pond Volume (m3)
Uttar Pradesh	Tara Talab	100	85	3	25,500

Table 2. Summary of Pond area characteristics and estimated recharge volume

State	Location of Project	Catchment Area (Sq.km)	Annual Rainfall (mm)	Supply Volume (m3/yr.)	Storage Potential (m3)	Total Recharge Volume (m3/yr.)
Uttar Pradesh	Tara Talab	1.08	1033.3	83,673	25,500	25,500

The total estimated replenish benefit from the ponds is provided below:

- Benefit (increase in recharge): 25,500KL/yr.
- The total (ultimate) water quantity benefit is 25,500KL/yr.
- TCCC total (ultimate) benefit taken as a function of cost-share is 25,500KL/yr.

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The current (2023) benefit and projected benefits are based on the total benefit, adjusted to account for the implementation schedule and TCCC cost share. These are presented below.

2023 Replenish Benefit

The 2023 benefit is the performance-based benefit from this activity as of the end of the calendar year 2023. The total 2023 benefit is 25,500KL/yr. and TCCC's benefit (adjusted for cost-share) is 25,500KL/yr.

Projected Water Quantity Benefits Summary

Table 3 shows the projected benefits that this activity will provide if the project remains in productive service. All projected benefits will be verified by TCCC before they are reported as actual benefits. The benefits are scaled for the implementation schedule in the second column and scaled further for the TCCC cost share in the third column.

Table 3 Shows the Projected Water Quantity Benefits Summary

Year	Total Benefit (KL/yr.)	Adjusted for TCCC Cost Share (KL/yr.)
2023	25,500	25,500
2024	25,500	25,500
2025	25,500	25,500
Ultimate Benefit:	25,500	25,500

Data Sources

- Data on pond volumes, catchment areas, and rainfall were provided by the **Amrit Bottlers Pvt. Ltd., Faizabad.**

Maintenance Status

- Pond and recharge structures are in good condition need minor cleaning maintenance.

Assumptions

- The ponds are maintained properly. This includes annually clearing of pond inlet and the openings of the recharge shafts of the debris before the arrival of monsoon rain.

OTHER BENEFITS NOT QUANTIFIED

- Local employment opportunities during construction and maintenance
- Drinking water facility for cattle and wildlife.
- Reduce runoff and sediment erosion and creates water storage facilities.

NOTES

- Awareness building programs for the community on water replenishment projects is important and sharing benefits to stakeholders on yearly basis goes as best practice.

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REFERENCES

1. Manual on artificial recharge of groundwater, CGWB 2007
2. Replenish Assurance Processes and Documentation Requirements "supplemental KORE Requirements" KORE documents OU-SR-035
3. OU-RQ-035-PRG Water replenishes assurance process requirements
4. https://ingres.iith.ac.in/gecdataonline/gis/INDIA

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153

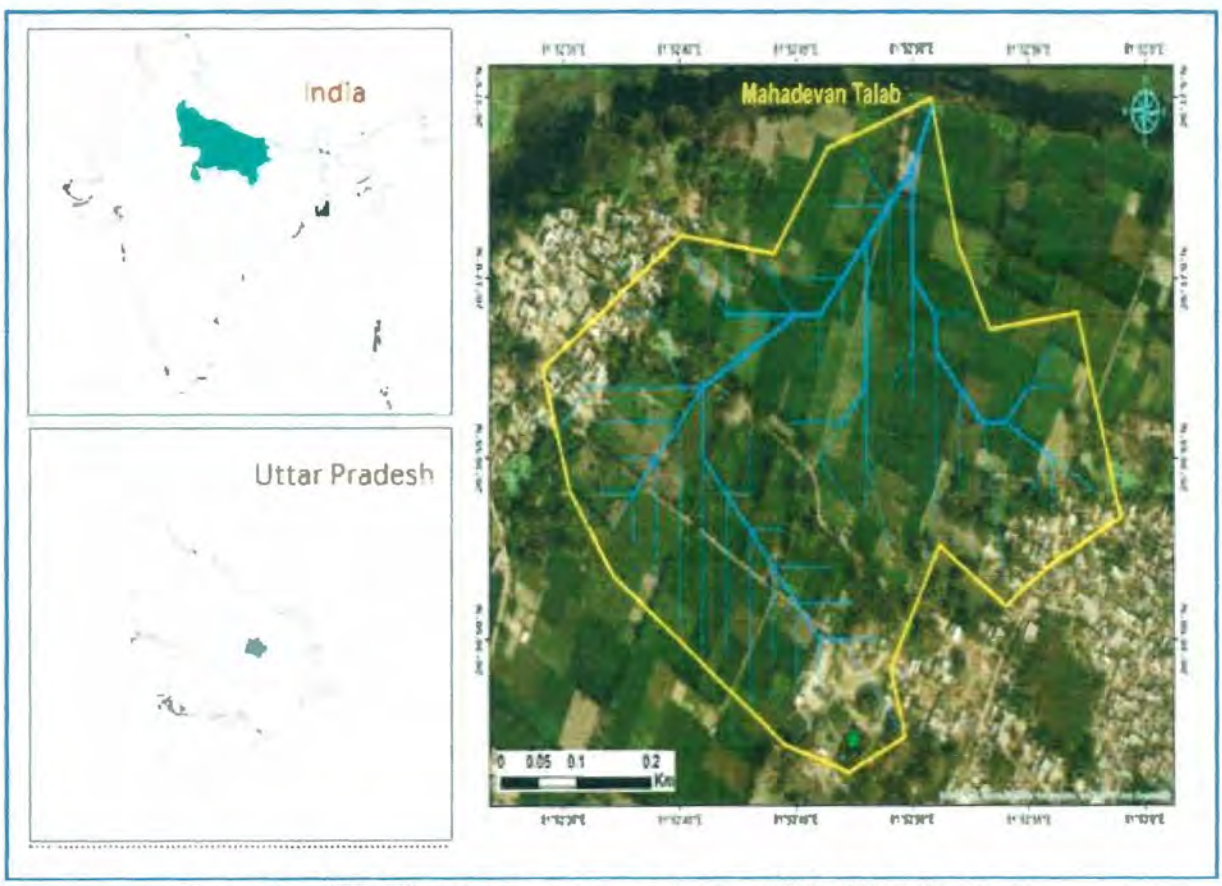
PROJECT NAME: Pond restoration and installation of recharge shaft

PROJECT ID #: UPS415_F(i)

DESCRIPTION OF ACTIVITY: Recharge shaft (1) constructed for de-silting and rejuvenated pond

LOCATION: Mahadevan Talab, Parsawa Village, Milkypur Block, Faizabad District, Uttar Pradesh, India.

Project Location	Distance in KM away from ABPL plant	Watershed	Longitude	Lattitude
Mahadevan Talab, Parsawa Village	36 km	Outside the plant operating watershed	81.879722°	26.613444°



Location of RWH structure implemented by ABPL, Uttar Pradesh

PRIMARY CONTACTS:

Bottling Unit
Umesh C Joshi
QSE Manager
Amrit Bottlers Pvt. Ltd.,
Faizabad, Uttar Pradesh, India
Phone: +91-9554953181
umeshjoshi@cocacolafzd.com

Operating Unit
Gopu T Rao
Hydrogeologist
Coca-Cola India Pvt. Limited
Gurgaon, India
Phone: +91-9740951234
gorao@coca-cola.com

154

SITE VISIT CONDUCTED BY: Mr. Thogaru Rajesh. Mainstay Development Consultants Pvt. Ltd, Secunderabad

The field validation is conducted on 21st to 23rd December 2023 along with Mr. Umesh C Joshi, QSE Manager, Mr. Jitendra, Environmental coordinator ABPL.

OBJECTIVES:

- Harvesting rainwater runoff and recharging local aquifers
- Provide source water for irrigation and domestic during monsoon and non-monsoon seasons
- Positively contribute to the rejuvenation of micro-climatic conditions

BACKGROUND & ACTIVITY DESCRIPTION:

Traditionally in the past, Indian farmers have managed ponds and developed small water bodies in localized depressions to collect water that is used for domestic and irrigation. However, over the years the ponds got silted up due to a lack of de-siltation practices and maintenance. In the recent past under the MNREGA union government scheme, ponds and local water bodies have been identified for de-siltation and rejuvenation, by using appropriate technology options that are suitable to local topographical/hydrogeological conditions. Such rejuvenated ponds recharge local aquifers, by re-charging old tubes and dug wells during the monsoon period and providing water for domestic and irrigation for communities. Local Coca-Cola bottlers have identified such ponds and water bodies for undertaking rejuvenation and augmentation.

The project activity involves two steps 1) identification of de-silted and rejuvenated ponds under the MNREGA scheme; 2) installation of a shaft system to facilitate recharge of groundwater. De-silting typically increases the pond depth from 2-3 meters. The villagers are benefiting as a result of these activities. The projects are maintained annually.

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Figure1.1- Pond with Recharge shafts (Date of Visit: 21/12/2023)

SUMMARY OF REPLENISH BENEFIT:

- 2023 COCA-COLA REPLENISH BENEFIT AS A FUNCTION OF COST-SHARE: 9,576KL/YR

ACTIVITY TIMELINE:

- Project initiated on 18th May 2015
- The project was completed on 30th June 2015 and was fully operational in 2015

COCA-COLA CONTRIBUTION: 100% for the project

Total project cost: 0.002MnUSD TCCC contributions:

The project is funded and implemented by Coca-Cola bottlers in the local community.

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WATERSHED BENEFITS CALCULATED:

- Increased groundwater recharge.

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1. INCREASED INFILTRATION

Approach & Results

The replenish benefit is calculated as the volume of water recharged to the aquifer. The recharge volume is equal to the minimum of supply and available storage (after accounting for evaporative and usage losses).

The volume of water available for aquifer recharge is estimated separately for each pond by calculating the supply of available runoff from the catchment according to the equation below:
Supply (m^3) = Catchment Area (m^2) x Annual Rainfall (m) x Catchment Coefficient

The supply from the catchment is compared to the available storage of the ponds. Storage potential was estimated by considering the number of times the ponds will fill to maximum volume. It was conservatively assumed that each pond can potentially be filled two times (in cases of hard rock sub-surface geology) or three times (in cases of soft rock sub-surface geology) its volume annually. The volume of water captured by the ponds is estimated as the minimum of supply and available storage (after accounting for usage and evaporation losses of storage potential).

Table 1. Dimensions of the pond

State	Check Dam/Pond Location/any other	Avg. Length (m)	Avg. Width (m)	Avg. Depth (m)	Pond Volume (m3)
Uttar Pradesh	Mahadevan Talab	57	42	4	9,576

Table 2. Summary of Pond area characteristics and estimated recharge volume

State	Location of Project	Catchment Area (Sq.km)	Annual Rainfall (mm)	Supply Volume (m3/yr.)	Storage Potential (m3)	Total Recharge Volume (m3/yr.)
Uttar Pradesh	Mahadevan Talab	0.47	1033.3	36,413	9,576	9,576

The total estimated replenish benefit from the ponds is provided below:

- Benefit (increase in recharge): 9,576KL/yr.
- The total (ultimate) water quantity benefit is 9,576KL/yr.
- TCCC total (ultimate) benefit taken as a function of cost-share is 9,576KL/yr.

157

The current (2023) benefit and projected benefits are based on the total benefit, adjusted to account for the implementation schedule and TCCC cost share. These are presented below.

2023 Replenish Benefit

The 2023 benefit is the performance-based benefit from this activity as of the end of the calendar year 2023. The total 2023 benefit is 9,576KL/yr. and TCCC's benefit (adjusted for cost-share) is 9,576KL/yr.

Projected Water Quantity Benefits Summary

Table 3 shows the projected benefits that this activity will provide if the project remains in productive service. All projected benefits will be verified by TCCC before they are reported as actual benefits. The benefits are scaled for the implementation schedule in the second column and scaled further for the TCCC cost share in the third column.

Table 3 Shows the Projected Water Quantity Benefits Summary

Year	Total Benefit (KL/yr.)	Adjusted for TCCC Cost Share (KL/yr.)
2023	9,576	9,576
2024	9,576	9,576
2025	9,576	9,576
Ultimate Benefit:	9,576	9,576

Data Sources

- Data on pond volumes, catchment areas, and rainfall were provided by the **Amrit Bottlers Pvt. Ltd., Faizabad.**

Maintenance Status

- Pond and recharge structures are in good condition need minor cleaning maintenance.

Assumptions

- The ponds are maintained properly. This includes annually clearing of pond inlet and the openings of the recharge shafts of the debris before the arrival of monsoon rain.

OTHER BENEFITS NOT QUANTIFIED

- Local employment opportunities during construction and maintenance
- Drinking water facility for cattle and wildlife.
- Reduce runoff and sediment erosion and creates water storage facilities.

NOTES

- Awareness building programs for the community on water replenishment projects is important and sharing benefits to stakeholders on yearly basis goes as best practice.

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REFERENCES

1. Manual on artificial recharge of groundwater, CGWB 2007
2. Replenish Assurance Processes and Documentation Requirements "supplemental KORE Requirements" KORE documents OU-SR-035
3. OU-RQ-035-PRG Water replenishes assurance process requirements
4. https://ingres.iith.ac.in/gecdataonline/gis/INDIA

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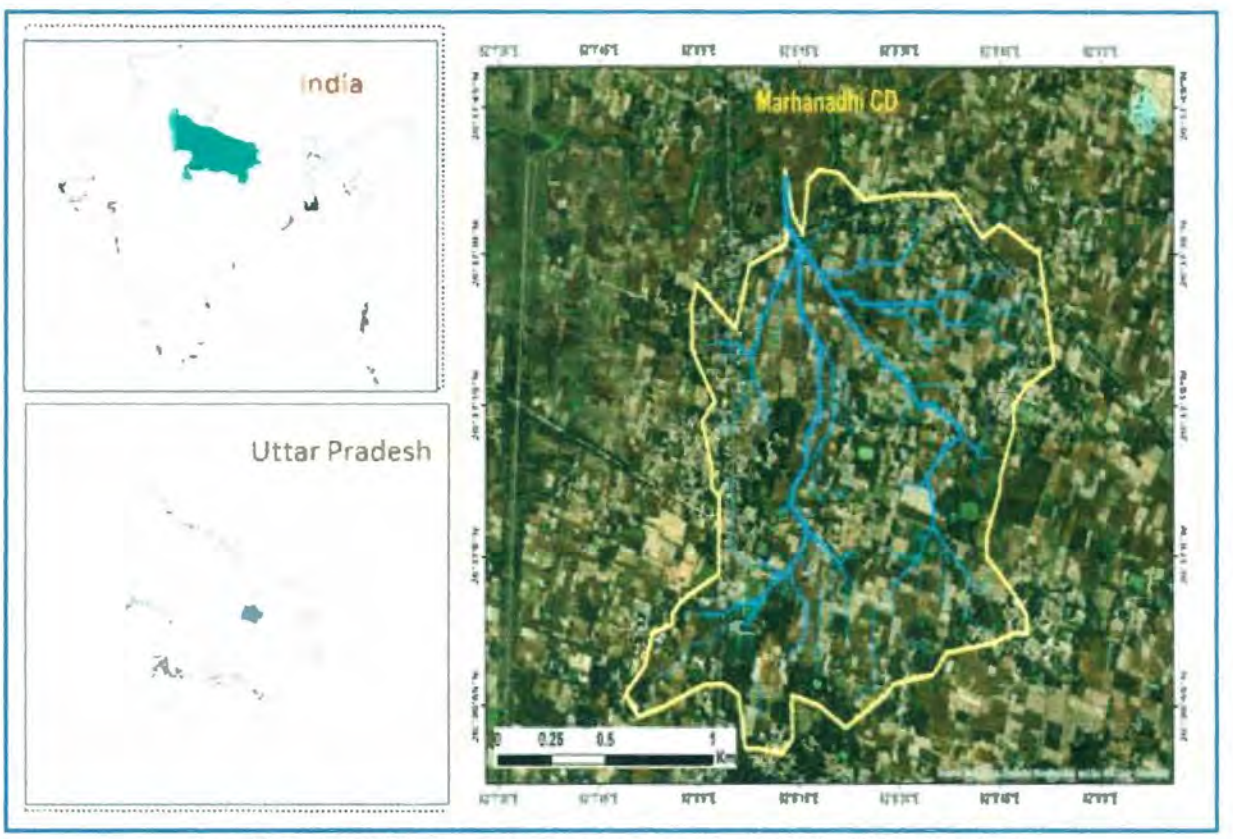
PROJECT NAME: Construction of check dam and recharge shafts

PROJECT ID #: UPS416

DESCRIPTION OF ACTIVITY: Check dam and recharge shafts construction for groundwater recharge

LOCATION: Marha Nadi, Jalapur Mafi Village, Bikapur Block, Faizabad District, Uttar Pradesh, India.

Project Location	Distance in KM away from ABPL plant	Watershed	Longitude	Latitude
Marha Nadi, Jalapur Mafi Village	14 km	Outside the plant operating watershed	82.138611°	26.626861°



Location of RWH structure implemented by ABPL, Uttar Pradesh

PRIMARY CONTACTS:

Bottling Unit
Umesh C Joshi
QSE Manager
Amrit Bottlers Pvt. Ltd.,
Faizabad, Uttar Pradesh, India
Phone: +91-9554953181
umeshjoshi@cocacolafzd.com

Operating Unit
Gopu T Rao
Hydrogeologist
Coca-Cola India Pvt. Limited
Gurgaon, India
Phone: +91-9740951234
gorao@coca-cola.com

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SITE VISIT CONDUCTED BY: Mr. Thogaru Rajesh. Mainstay Development Consultants Pvt. Ltd, Secunderabad

The field validation is conducted on 21st to 23rd December 2023 along with Mr. Umesh C Joshi, QSE Manager, Mr. Jitendra, Environmental coordinator ABPL.

OBJECTIVES:

- Harvesting rainwater runoff and recharging local aquifers
- Provide source water for irrigation and domestic during monsoon and non-monsoon seasons
- Positively contribute to the rejuvenation of micro-climatic conditions

BACKGROUND & ACTIVITY DESCRIPTION:

The primary objective of the check dam projects is to increase groundwater recharge to improve water supply reliability for agriculture in a region subject to severe droughts. Construction of check dams for naturally existing small ephemeral fourth-order streams to collect flash flood waters during the monsoon season. Coca-Cola India and its bottling partners identify the suitable locations for the construction of check dams and they do not construct on higher-order rivers because of potential impacts on ecological flows. Such check dams recharge local aquifers, by re-charging old tubes and dug wells during the monsoon period and providing water for domestic and irrigation for communities during the non-monsoon period.

The project activity involves two steps 1) Identification of suitable locations for construction of check dams; 2) construction of check dam and installation of a shaft system to facilitate recharge of groundwater. The villagers are benefiting as a result of these activities. The projects are maintained annually.

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Figure1.1-Check dam (Date of Visit: 21/12/2023)

SUMMARY OF REPLENISH BENEFIT:

- 2023 COCA-COLA REPLENISH BENEFIT AS A FUNCTION OF COST-SHARE: 182,565KL/YR

ACTIVITY TIMELINE:

- Project initiated on14th June 2016
- The project was completed on 30th June 2016 and was fully operational in 2016

COCA-COLA CONTRIBUTION: 100% for the project

Total project cost: 0.025 Mn USD TCCC contributions:

The project is funded and implemented by Coca-Cola bottlers in the local community.

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WATERSHED BENEFITS CALCULATED:

- Increased groundwater recharge.

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1. INCREASED INFILTRATION

Approach & Results

The replenish benefit is calculated as the volume of water recharged to the aquifer. The recharge volume is equal to the minimum of supply and available storage (after accounting for evaporative and usage losses).

The volume of water available for aquifer recharge is estimated separately for each dam by calculating the supply of available runoff from the catchment according to the equation below:
Supply (m^3) = Catchment Area (m^2) x Annual Rainfall (m) x Catchment Coefficient

The supply from the catchment is compared to the available storage of the dam. Storage potential was estimated by considering the number of times the dam will fill to maximum volume. It was conservatively assumed that each dam can potentially be filled two times (in cases of hard rock sub-surface geology) or three times (in cases of soft rock sub-surface geology) its volume annually. The volume of water captured by the dam is estimated as the minimum of supply and available storage (after accounting for usage and evaporation losses of storage potential).

Table 1. Dimensions of the check dam

State	Check Dam Location/any other	Avg. Length (m)	Avg. Width (m)	Avg. Depth (m)	Volume (m3)
Uttar Pradesh	Marha Nadi CD	Irregular	15	2	NA

Table 2. Summary of check dam characteristics and estimated recharge volume

State	Location of Project	Catchment Area (Sq.km)	Annual Rainfall (mm)	Supply Volume (m3/yr.)	Storage Potential (m3)	Total Recharge Volume (m3/yr.)
Uttar Pradesh	Marha Nadi	20	1033.3	15,25,200	NA	182,565

The total estimated replenish benefit from the dam is provided below:

- Benefit (increase in recharge): 182,565KL/yr.
- The total (ultimate) water quantity benefit is 182,565KL/yr.
- TCCC total (ultimate) benefit taken as a function of cost-share is 182,565KL/yr.

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The current (2023) benefit and projected benefits are based on the total benefit, adjusted to account for the implementation schedule and TCCC cost share. These are presented below.

2023 Replenish Benefit

The 2023 benefit is the performance-based benefit from this activity as of the end of the calendar year 2023. The total 2023 benefit is 182,565KL/yr. and TCCC's benefit (adjusted for cost-share) is 182,565KL/yr.

Projected Water Quantity Benefits Summary

Table 3 shows the projected benefits that this activity will provide if the project remains in productive service. All projected benefits will be verified by TCCC before they are reported as actual benefits. The benefits are scaled for the implementation schedule in the second column and scaled further for the TCCC cost share in the third column.

Table 3 Shows the Projected Water Quantity Benefits Summary

Year	Total Benefit (KL/yr.)	Adjusted for TCCC Cost Share (KL/yr.)
2023	182,565	182,565
2024	182,565	182,565
2025	182,565	182,565
Ultimate Benefit:	182,565	182,565

Data Sources

- All data used in the calculations were provided by the **Amrit Bottlers Pvt. Ltd., Faizabad.**

Maintenance Status

- Check dam and recharge structures are in good condition need annual cleaning maintenance.

Assumptions

- The check dam and recharge shafts are maintained properly. This includes annually clearing the openings of the recharge shafts of the debris before the arrival of monsoon rain.
- The storage potential is assumed to be equal to twice the volume (i.e., filled more than twice in a year).

OTHER BENEFITS NOT QUANTIFIED

- Decrease in sediment erosion/runoff
- Local employment opportunities during construction and maintenance
- Facilitates the drinking water for cattle and wildlife.

NOTES

- Awareness building programs for the community on water replenishment projects is important and sharing benefits to stakeholders on yearly basis goes as best practice.

(164)

REFERENCES

1. Manual on artificial recharge of groundwater, CGWB 2007
2. Replenish Assurance Processes and Documentation Requirements "supplemental KORE Requirements" KORE documents OU-SR-035
3. OU-RQ-035-PRG Water replenishes assurance process requirements
4. https://ingres.iith.ac.in/gecdataonline/gis/INDIA

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ANNEXURE: R-5 | C

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GOVERNMENT OF UTTAR PRADESH

Transport Department Ayodhya RTO

FORM 23

CERTIFICATE OF REGISTRATION

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Registration No	: UP42CT1942	**Registration Date**	: 07-Jul-2021
Description of Vehicle	: AMBULANCE	**Purpose For Printing RC**	:NEW
Dealer's Name & Address	: JUGAL KISHORE COMMERCIAL, 13-A,RANA PRATAP MARG,, LUCKNOW, , , -		
Owner Name	: M/S AMRIT BOTTLERS PVT LTD	**Son/wife/daughter of**	: NA
Full Address: (Permanent)	: CHANDPUR HARBANS, POST DABHASEMAR, , AYODHYA, UTTAR PRADESH-224001		
Full Address: (Temporary)	: CHANDPUR HARBANS, POST DABHASEMAR, , AYODHYA-UTTAR PRADESH-224001		
Fitness UpTo	: 06-Jul-2023	**Owner Serial No**	: 1

Detailed Description

Class of Vehicle	: AMBULANCE	**Link Vehicle No**	:
Ownership	: FIRM	**Norms**	: BHARAT STAGE VI
Maker's Name	: FORCE MOTORS LIMITED, A FIRODIA ENTERPRISE		
Front HSRP No	: IF0046224747	**Rear HSRP No**	: IF0046224748
Type of Body	: MONOCOQUE	**Month/Year of Manuf.**	: 02/2021
No of Cylinders	: 4	**Chassis No**	: MC1E4CBAXMP063049
Engine No	: D71005547	**Fuel**	: DIESEL
Horse Power(BHP)	: 113.90	**Cubic Capacity**	: 2596.00
Maker's Classification	: TRAVELLER T1 AMBULANC E	**Wheel base**	: 3350
Seating Cap(in all)	: 11	**Standing Cap**	: 0
Sleepar Cap	: 0	**Unladen Wt (kgs)**	: 2560
Colour	: S WHITE	**Laden/GV Wt (kgs)**	: 3965
Other Criteria	:	**AC Fitted**	: NO
Vehicle Purchase As	: Drive Away Chassis		

Additional Particulars of all transport vehicles other than motor cabs (Gross Vehicle Weight)

By Manuf. : **As Regd.** :

	Description	Weight(in kgs)
a) Front:	215/75R15	1930
b) Rear:	215/75R15	2035
c) Other:	2	2
d) Tandem:	2	2

The motor vehicle above described is subject to Hypothecation in favour of w.e.f. .

Purchase dt	: 27-Apr-2021	**Sale Amt**	: 1542537/-
OTT Date	:	**Amount/Rcpt No**	: /
Vehicle is Govt./ Pvt.	: PRIVATE	**Tax Exempted or Not**	: EXEMPTED
Date of Approval	: 07-Jul-2021		

Other State/Transfer/Conversion Details

Previous Owner	:	**Previous RegNo**	:
Old State	:	**Entry Date**	:
Transfer Date	:	**Conversion Date**	:

This certificate is valid from 07-Jul-2021 to 06-Jul-2036

Date : 15-Jul-2021 14:14:03

Tax ation Particulars / Advance Registr tion Mark Fee Details

Signature of Registering Authority

Date : 15-Jul-2021

M2744903

ANNEXURE : R5/D

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THE NEW INDIA ASSURANCE CO. LTD.
(Government of India Undertaking)

POLICY SCHEDULE CUM CERTIFICATE OF INSURANCE

Commercial Vehicle PackagePolicy

UIN Number - IRDAN190RP0044V01100001

Policy Number :42170131240100000100

POLICY ISSUING OFFICE: FAIZABAD (421701), NH-28, 1ST FLOOR, SAKET COMPLEX, PT. DEEN DAYAL NAGAR, FAIZABAD 224001 , , , UTTAR PRADESH , 224001. PHONE NUMBER:05278222935 / 05278227050 FAX NUMBER:NA / NA Email:nia.421701@newindia.co.in	**BUSINESS CHANNEL/CPSC User:** NAME: DIRECT BUSINESS - (1D9771819) Mr Lal Mani Mishra - (NIA1D9769565), PHONE NUMBER: / / 9044250155 LAND/FAX NUMBER:/ EMAIL:lmmishra5352@gmail.com /	**CLAIM CONTACT:** Ayodhya Non Suit Claim Hub (429002) ADDRESS: Baldev Nivas Compound, A.N.D. Road,Reed Ganj, Ayodhya - 224001. , , , UTTAR PRADESH , 224001. PHONE NUMBER: 123456 / MOBILE NUMBER: Email: ch429002@newindia.co.in

INSURED DETAILS

Insured's Name	M/S AMRIT BOTTLERS PRIVATE LIMITED	**Customer ID**	C3954550 (PAN No :AACCA4794J)
Insured's Address	KHASRA NO. 251 SALARPUR STATION ROAD, HARIPUR JALALABAD LUCKNOW ROAD, AYODHYA,PO DABHASEMAR, ALLAHABAD ROAD,AYODHYA, FAIZABAD - 01 ,UTTAR PRADESH, 224001	**Contact Number**	XXXXXX7965 / / XXXXXX3202
		Email	jaiahuja@cocacolafzd.com nitin.rawlani@cocacolafzd.com
		GSTIN	09AACCA4794J1ZA

POLICY DETAILS

Period of cover	27/04/2024 12:00:01 AM to 26/04/2025 11:59:59 PM	**Receipt Number**	42170181240000000129 - 08/04/24
Previous Insurer	THE NEW INDIA ASSURANCE COMPANY LTD.	**Previous Policy Number**	42170131230100000049

VEHICLE DETAILS

Geographical Area / Zone:	India/C	**Year of manufacture:**	2021
Type of Commercial Vehicles:	D - Misc-Special Type	**Sub Type:**	AMBULANCE
Name of the Financier:		**Chassis no./Engine no.:**	MC1E4CBAXMP063049/D71005547
Type of fuel:	Diesel	**Cubic capacity (cc):**	0
Type of body:	Ambulance	**Gross Vehicle Weight (GVW):**	3965
Make/Model:	FORCE MOTO/TRAVELLER	**Registration no.**	UP-42-CT-1942
Seating capacity including Driver:	11	**Variant:**	AMBULANCE BS IV
Automobile Association membership:		**Colour:**	S WHITE
Cover Note No/Cover Note Issue Date:	/	**Name of registration authority:**	Faizabad

INSURED DECLARED VALUE (Rs)

Vehicle	Trailer	Non-Elec Acc	Electrical Acc	Bi-fuel kit	Total Value
1325712	0	0	0	0	1325712

SCHEDULE OF PREMIUM

Own Damage		Liability	
Basic OD Premium	3155	Basic TP Premium	7267
(-)Calculated NCB Discount(35%)	1269.97	(+)LL to paid driver conductor cleaner employed for oprn	50
(+)Loading for Inclusion of IMT 23	473.28	(+)Additional Premium for Ambulances Hearses	
		(+)PA cover for unnamed person(10)	660

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THE NEW INDIA ASSURANCE CO. LTD.
(Government of India Undertaking)

			1000
Calculated OD Premium	2359	Calculated TP Premium	8977
Total OD Premium (Rs)	2359	Total TP Premium (Rs)	8977
Net Premium (Rs)			11,336
GST (Rs)			2,040
Total Payable (Rs)			13,376
Total Payable in Rs(in words):	RUPEES THIRTEEN THOUSAND THREE HUNDRED SEVENTY-SIX ONLY		

GSTIN(Issuing Office)	09AAACN4165C4ZM
SAC	997134 (Motor vehicle insurance services)

Limitation as to use:The Policy covers use only under a permit within the meaning of the Motor Vehicles Act, 1988 or such a carriage falling under Sub-section 3 of Section 66 of the Motor Vehicles Act, 1988.The Policy does not cover use FOR a)Organised racing b) Pace Making c) Reliability Trials d) Speed Testing

Limits of Liability:Limit of the amount the Company's Liability Under Section II 1(i) in respect of any one accident: as per the Motor Vehicles Act, 1988. Limit of the amount of the Company's Liability Under Section II 1(ii) in respect of any one claim or series of claims arising out of one event: Up to Rs. 7,50,000

For individual covers (OD) in RS:1325712	Compulsory excess in Rs:6629
Imposed excess in Rs:0	Voluntary excess in Rs:0

Persons or classes of persons entitled to drive:Any person including the insured provided that a person driving holds an effective driving license at the time of the accident and is not disqualified from holding or obtaining such a license. Provided also that the person holding an effective Learner's License may also drive the vehicle and that such a person satisfies the requirement of Rule 3 of the Central Motor Vehicles Rules, 1989.

PA cover for Owner Driver

Name of Nominee	Age of Nominee	Relationship with the Insured	Name of the Appointee (if Nominee is a minor)	Relationship to the Nominee
none	0	none	none	none

PA cover for named persons

Name	CSI Opted(Rs.)	Nominee	Relationship
NA	NA	NA	NA

Premium and GST Details

	Rate of Tax	Amount in INR
Premium		Rs 11,336
SGST	9	1020
CGST	9	1020
IGST	0	0

In witness where of this policy has been signed at FAIZABAD on this 08/04/2024
WARRANTED THAT IN CASE OF DISHONOUR OF THE PREMIUM CHEQUE, THIS DOCUMENT STANDS AUTOMATICALLY CANCELLED ABINITIO
This policy is subject to the Terms, conditions and exceptions applicable to Package/Liability policy attached/available on the web site http://newindia.co.in; IMT Endorsement Number(s) printed herewith attached 16,21,23,40.

Important notice:

The insured is not indemnified, if, the vehicle is used or driven otherwise than in accordance with this schedule. Any payment made by the company by reason of wider terms appearing in the certificate in order to comply with the Motor Vehicles Act, 1988 is recoverable from the insured: see clause headed "AVOIDANCE OF CERTAIN TERMS AND RIGHTS OF RECOVERY". It is clarified that in case the declaration regarding the ncb or other previous policy details made by the insured, is found to be incorrect, all the benefits (including claim) under section-1 of this policy, will stand forfeited.

Anti Money Laundering Clause: In the event of a claim under the policy exceeding Rs 1lakh or a claim for refund of premium exceeding Rs 1 lakh, the insured will comply with the provisions of AML policy of the company. The AML policy is available in all our operating offices as well as Company website.

I/We hereby certify that the policy to which this Certificate relates as well as this Certificate of Insurance are issued in accordance with the provisions of Chapter X and XI of M.V. Act, 1988.

For and on behalf of The New India Assurance Company Limited

THE NEW INDIA ASSURANCE CO. LTD.
(Government of India Undertaking)

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Date of Issue: 08/04/2024

Duly Constituted Attorney(s)

We hereby declare that though our aggregate turnover in any preceding financial year from 2017-18 onwards is more than the aggregate turnover notified under sub-rule (4) of rule 48, we are not required to prepare an invoice in terms of the provisions of the said sub-rule.

Tax Invoice No : 42170124E0000145

IRDA Registration Number: 190
NIA PAN NUMBER: AAACN4165C

ANNEXURE: RS|E 169

Additional Compliance Report - Amrit Bottlers (P) Ltd.

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1 message

Abhinav Anand <abhinav.legal@gmail.com> Mon, Apr 7, 2025 at 10:40 AM
To: pradeepmisra@yahoo.com, priyanka swami <advpriyankaswami@gmail.com>, csup@nic.in, dmayo.up@up.gov.in

Sir/Madam,

Kindly find attached herein the Additional Compliance Report filed by Respondent No.5 (Amrit Bottlers (P) Ltd.) before the Hon'ble National Green Tribunal, New Delhi in Misc. Application in Disposed Off Case No.137 of 2024 in O.A. No. 584 of 2022 (Durga Prasad Yadav & Ors. Vs. State of Uttar Pradesh & Ors.)

Regards,

Abhinav Anand
(Advocate for Respondent No.5)
Mob: 9582416270

Additional Compliance Report - Amrit Bottlers (P) Ltd - R5.pdf
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