



UNITED BREWERIES LIMITED

CORPORATE RESPONSIBILITY REPORT 2015-16





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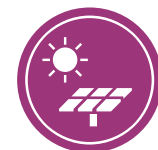
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Manufacturing Network



CSR & Sustainability footprint:
10 Km radius of manufacturing units.



Corporate Social Responsibility



United Breweries Limited (UBL) is a socially conscious corporation committed to meaningfully participating and contributing towards various causes that enable better communities. We operate from several locations across the country, each non-uniform in levels of awareness, socio-economic development, education and practices. We focus our efforts on the communities in

the vicinity of our breweries for our CSR initiatives. We have strongly integrated CSR initiatives in our corporate strategy and intend to drive it towards bringing about sustainable social development in those regions.

Policy

UBL firmly believes in sustainable development and we are committed to growing our business in a socially and environmentally responsible way, while meeting the legitimate interests of our stakeholders.

We also believe in playing an active role in empowering local communities to achieve their ambitions. Our CSR and sustainability policy is dynamic and designed to address the changing

needs of the community, towards achieving long-term growth and development. We work to ensure that our CSR initiative is incorporated in our governance, management, business strategy and day-to-day decision-making and involves enthusiastic participation from all our stakeholders.

We invest in holistic welfare measures for our co-communities, including water, sanitation and hygiene along with education and primary health. All our initiatives are implemented after a thorough needs-assessment of the community.



Implementation Process

We realise transforming communities requires focus, time, commitment and resources. Specific areas have been carefully chosen to maximise the output of our CSR initiatives and programmes have been consolidated with inputs from business units, employees and the communities we work with. The focus areas would be:

- Water, Sanitation and Hygiene
- Education
- Primary Health
- Environmental Sustainability

UBL implements its CSR programmes either directly, or through partnerships with reputed not-for-profit organisations with expertise in chosen areas. Realising that our co-communities deserve attention, the regions for CSR implementation would be within a 10-km radius of the UB operations and manufacturing facilities. The CSR initiatives are centrally

driven by the Head-CSR at the Corporate Office under the guidance of the President. The responsibility for identification of project opportunities and allocation of funds would rest with the Corporate Office. In the case of larger programmes, the responsibility for implementation would lie with the partner non-profit organisations. In the case of smaller CSR projects, the responsibility of the project would rest with the Human Resource team at the brewery. While this team would be responsible for supervision and monitoring of the CSR programmes locally, the overall responsibility for supervision and monitoring would lie with the Head-CSR.

GUIDING PRINCIPLES

- Leverage our resources, expertise, services, relationships and influence for the benefit of our communities and our community partners.
- Take community interests into account in our decision-making in the short and long-term.
- Actively work towards ensuring availability and accessibility of safe drinking water and sanitation for all our co-communities.
- Work towards improving availability and accessibility of education and health services for co-communities.
- Work towards environmental sustainability with particular focus on water conservation.
- Regularly monitor outcomes of our initiatives and publicly report on our progress in a transparent and effective manner.



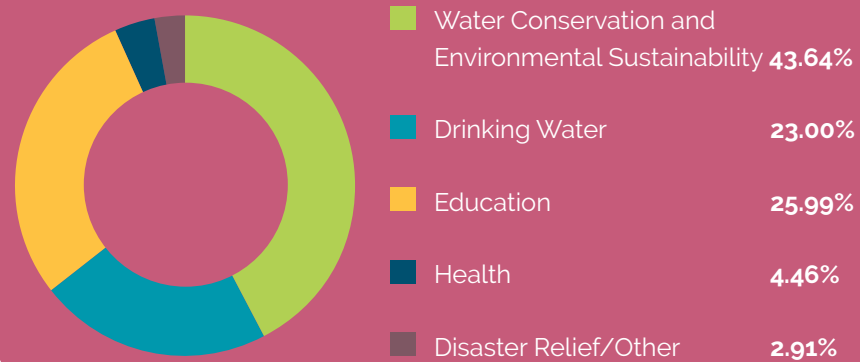


Monitoring and Evaluation

A robust system of monitoring would be in place to ensure effective implementation of the planned CSR initiatives. A monthly reporting system would be established for each of the programmes which would be further consolidated into quarterly, and eventually annual, CSR reports. The output of the intervention would be closely evaluated to help identify the

challenges faced in the process of implementation and solutions. Project sites would be monitored regularly by the HR personnel from the brewery and the Head-CSR to assess the actual progress. A third party would be engaged to review the CSR interventions once every three years to ensure an unbiased impact evaluation.

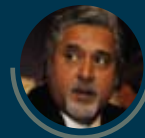
CSR and Sustainability Expenditure in FY 15-16



CSR Committee

As per the Companies Act 2013, the company has to set up a Corporate Social Responsibility Committee (CSRC) with representation by a minimum of three Directors of the Board, with at least one of them being an Independent Director. The CSRC will be responsible for formulation and approval of the company's CSR policy, the activities to be undertaken, and monitoring the CSR policy and programmes from time to time.

The members of the CSRC are:



DR. VIJAY MALLYA
Chairman



MR. SHEKHAR RAMAMURTHY
Member



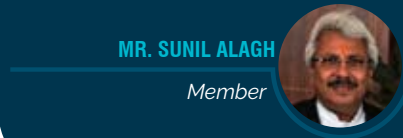
MR. HENRICUS PETRUS VAN ZON
Member



MRS. KIRAN MAZUMDAR SHAW
Member



MR. MADHAV BHATKULY
Member



MR. SUNIL ALAGH
Member



Through the education initiative, we have supported over **10,000** children in **thirteen** states

Each brewery has adopted at least one primary school - bringing benefits to **250** children

Mini Science centres have been established in **2** schools in Nanjangud, Karnataka and work has started in **5** more schools for establishment centres

10 schools have been adopted in Chopanki, Rajasthan, for complete infrastructure overhauling and improvement of teaching-learning environment-impacting **2,600** children

1,666 children are being supported through mid-day meals across **11** schools in Mangalore, Karnataka



Primary Education

Illiteracy is one of the major causes for the lack of growth and advancement among the underprivileged sections of society. Primary education in particular, is a core focus area, with governments having several initiatives in place to address the challenge. Primary education empowers these sections and enables individuals to improve their quality of life. United Breweries Limited is

committed to providing quality primary education to children in the communities we work with. We adopt schools in the vicinity and work on teaching-learning methodologies, along with developing physical infrastructure. With each brewery adopting at least one primary school, we are steadily working towards realising our dream of a literate and prosperous India.



Mini Science Centre

Project Implementation Period: November 2015 – January 2016

Implementation Partner: Ace Education Trust

Location: Nanjangud Industrial Area, Mysore, Karnataka

UBL supported Science Centres in two upper primary government schools in Nanjangud Industrial Area, Mysore, Karnataka.

These science centres offer the underprivileged children, a clear understanding of the concepts associated with science. The project

was implemented between November 2015 and January 2016, in partnership with Ace Education Trust, a not-for-profit organisation in the Chamundi Brewery vicinity. The first-of-its-kind in upper primary schools in India, these centres assist in practical learning of science in rural schools. Each centre is equipped with

30 working science models to help children understand the concepts in depth, rather than learning through a rote method.

The centres were inaugurated by Mr. Shekhar Ramamurthy, Managing Director, UBL, and Dr. K.S. Rangappa, Vice Chancellor, University of Mysore, on January 21, 2016. Dr. Rangappa expressed his appreciation for the project and said that both the centres would go a long way in empowering rural children.



“ Respected Sir,
You have donated a very beautiful, useful and valuable Mini Science Centre to our school. With this Mini Science Center, our school has become popular in our Taluk and it is like an additional feather in our cap. Many neighbouring schools' science teachers have visited our school along with their students and have praised this Mini Science Centre a lot. I am very thankful to your company for setting up such a useful science centre at our school. This is a great gift, to the children of our Panchayat Area, for learning science. This really helps the teachers by making

teaching science easier and the students are more interested when they visit this Mini Science Centre. My co-teacher Mr. P Umashankar is taking a personal interest in making this science centre popular, and all our other colleagues are very confident and are working hard to bring good results to the school. I am very thankful to you all for gifting such a wonderful science centre.

Thanking you
M Nagarathna
Headmistress, Govt. Higher Primary School, K S Hundi





Respected Sir,

The Mini Science Centre that you have set up in our school is very useful because this allows children to see the theories they are learning in a text book come to life. It also helps improve their powers of grasping these theories, with the help of advancements in science. These science experiments are very useful for the 4th to 8th standard students as it almost completely matches their syllabus. This science centre is not

just useful for children of our school, but it is also useful to children of our neighbouring schools. Many parents have also visited the centre and felt very happy that their children are learning science in this method. All this is possible because of your kindness and I am very thankful to you all.



P Umashankar

Asst. Teacher, Govt. Higher Primary School, K S Hundi



Dear Sir,

The UB Company has set up a very beautiful Mini Science Centre for us and for that we are very thankful. Like this, please send more teachers as well and set up more science centres in the other schools too.



H N Madhushree

Student, 7th Std.

Govt. Higher Primary School
Hulimavu, Nanjanagudu Taluk,
Mysore



Dear Sir,

We are very thankful to the UB Company for setting up a very beautiful science centre. With the help of this centre we will find learning science lessons easier.



Thank you.

Balachandra Murthy

Student, 7th Std.

Govt. Higher Primary School
Hulimavu, Najanagudu Taluk,
Mysore



Karnataka

- A boys' toilet has been constructed at Hadinaru Government School in Mysore district.
- Computer classes and event celebrations in government schools in the vicinity are

supported by the manufacturing unit.

- A water purifier has been provided to the Government Boys' Hostel in Nanjangud.
- Notebooks have been provided to students of Zila Panchayat

Primary school in Angaragundi village and the Higher Primary School in Kudumboor village, Mangalore.

- Three physically-challenged children have been provided tricycles.
- An RCC roof has been constructed for the Aanganwadi in Kudumboor.
- The classrooms of the school in Gangadharapalya have been provided with aluminium windows with mesh for effective mosquito control.
- Note books have been provided to students of a school at Nelamangala.
- The brewery has taken complete responsibility for educating the children of a deceased contract labourer.



Maharashtra

- An NGO run school - Dhyam Mandir Bhangsi Mata Gad in Aurangabad has been adopted and provided with water storage tanks, 240 school bags for students and regular medical check-ups.
- A Zila Panchayat (ZP) school, located in Vitava village near the unit in Aurangabad, has been provided with water storage tanks with pipeline connections,



a concrete pathway for toilets, regular medical check-ups and 340 school bags for the students of the school.

- A civil structure has been created to protect the water cooler and the source of drinking water in Jogeshwari and Vitava ZP schools.





Kerala

- The Government Lower Primary School at Varanad, a village in Cherthala has been provided with educational materials and the students are offered mid-day meals.
- The Kanjikode Lower Primary School in Palakkad is being provided with nutrition supplements (eggs) for all students of the school (500) once a week.
- Educational kits are offered to 25 needy children every year.

Haryana

- All 110 students of the Government Primary School at Joniawas village in Dharuhera are supported with uniforms, stationery, sweaters, and transportation facilities.
- Assistance has been offered for teachers' salaries.
- Extra-curricular activities and events such as birthdays and festive celebrations are conducted to make the village children interested in the school, as well as to help them in their overall personality development.



Goa

- Toilets have been built at a primary school, in Bethoda village, Ponda, for girls, along with a concrete pathway and landscaping around the toilet.
- Bench-desks for classrooms and school books for children have also been provided.



Telangana

- Toilet blocks have been built at two schools in Mallepally and Gollapally villages in Kondapur mandal.
- Vidya volunteers in the Mallepally school are being supported regularly to ensure a balanced student-teacher ratio for quality education.
- To ensure a better teaching-learning environment, the primary school at Malkapur village has

been provided with 65 desk benches and the school at Kothlapur has been provided tables, chairs, almirahs and a public address system.

- The ZP High School in Malkapur has been provided with a scientific microscope, an inverter, 1 KL water storage tank with pipelines and fittings, and an RO water purifier system.



Tamil Nadu

- For infrastructural betterment, repairs of flooring and whitewashing of classrooms have been undertaken in the Aranvoyal School and Aranvoyal Kuppam School in Chennai.
- A government school has been adopted in Parvatharajapuram village, where students have been provided school bags, books, shoes and uniforms.



West Bengal



- Infrastructure has been developed at the Anne Sullivan Institution for the Sightless, in Kalyani, to promote Braille education.
- Infrastructure and other support has been provided for primary

education in the tribal language of Santali at Vir Sidho Kanho Nagar Primary School. It is the only primary school in West Bengal using "Olchiki" script, which is on the verge of extinction.

- Both schools are being provided with food to improve the nutrition levels of the students.

Punjab



- A government primary school has been adopted in Sukhdev Nagar, Ludhiana. Assistance has been offered towards salaries of teachers and support staff, purchase of cooking and eating utensils, school uniforms and shoes for students and towards the construction of a footpath. 321 students of this school have benefited from this initiative.

Bihar

- A primary school in Chainpura village, near Patna, has been provided school uniforms for students.



Odisha

- Awareness programmes and tree planting drives have been carried out at the CSS primary school.
- The Project ME school has been supported with a water purifier at Khurda.
- The Chachara Sabar Sahi Primary School has been equipped with a water purifier.
- Drinking water facility with an overhead tank, water cooler and tap systems along with 38 desks and benches was provided to the Mukundaprasad UGME school.



Andhra Pradesh



- A primary school in Bantupalli village has been adopted and is being provided books, schoolbags, uniforms for children and sponsorship of Vidya volunteer salaries towards achieving a balanced student-teacher ratio.
- Drinking water facility has been provided to Kambalpet village and Roman Catholic Mission school in Srikakulam.

Rajasthan

- To maintain a balanced student teacher ratio for quality education, assistance was provided towards teachers' salaries at Gandhola Government School.
- Infrastructure maintenance was carried out at Gwalda and Gandhola schools in Bhiwadi.





Through the health initiative, we have provided health care services to over **35,000** people in **ten** states



Primary Health

United Breweries Limited envisages improving access to health care services for the benefit of communities we are involved with. Breweries in the region would establish Health Centres/Dispensaries/Mobile Medical Units which would provide free medical check-ups and basic medicines to communities.

Health camps would be carried out in villages periodically to educate communities on the importance of hygiene, clean drinking water and precautions to be taken, and symptoms to watch out for during seasonal outbreaks of diseases such as malaria, cholera, dengue, etc. These camps would also provide awareness on eye care, dental hygiene, basic child care, etc.

Tamil Nadu

A health camp was conducted in the Parvatharajapuram village in which 320 people benefited.



Telangana



- The health centre in Mallepally village has benefitted over 10,213 people residing in the area, of which 30% have received speciality treatments in paediatrics and gynaecology.

West Bengal

- A dispensary is being managed in the premises of Anne Sullivan Institution for the Sightless, Kalyani which provides medical services not just to the visually challenged but also to the economically backward communities in the neighbourhood. The centre has provided free medical facilities to 36 residents of the institution and 31 families living in the vicinity on a regular basis. The brewery has also supported 500 patients of JNM hospital with nutrition.

Karnataka

- A full-time nurse has been appointed and doctor visits have been arranged thrice a week at a medical centre in Gangadharapalya village. The centre has provided free medical consultation to over 7000 people.
- Fumigation and fogging activities are carried out for

- mosquito control frequently in the village.
- A bio-toilet was provided in Gangadharapalya village.
- An RO system was provided at the Nelamangala Rural Police station to ensure availability of safe drinking water.



Maharashtra

- Health camps have been organised at Dongrichapada and Palekhurd villages on a regular basis and over 1,000 people benefited this year.

Odisha

- A health camp has been organised at a primary school in Khurda municipality area. 177 people have received free medical consultation and medicines through this camp.



Goa

- A health centre in Bethoda village has provided medical treatment and free medicines to over 1400 beneficiaries this year.

Bihar

- An eye check-up camp along with spectacles distribution was organised in Chainpura village and 198 individuals benefited from this.



Rajasthan

- Health camps were organised through mobile medical units in Gwalda, Gandhola, Pathredi and Chopanki villages. More than 1,800 individuals have received health check-ups and free medicines through these camps.



श्रीष्मकालीन निःशुल्क कम्प्यूटर प्रशिक्षण व साप्ताहिक स्वास्थ्य शिविर

भिवानी (रहट चाल अटो): युनाइटेड ब्रेवरीज लिमिटेड पीपनकी द्वारा निःशुल्क श्रीष्मकालीन कम्प्यूटर प्रशिक्षण शिविर व निःशुल्क साप्ताहिक स्वास्थ्य शिविर का शुभारम्भ ग्राम फरुदीनका, ग्राम पंचायत चीपानकी (भिवानी) में किया है। जिसका उद्घाटन ग्राम पंचायत के गणमान्य सदस्यों को उपस्थिति में जवांपाल A.V.P. युनाइटेड ब्रेवरीज लिमिटेड के द्वारा किया गया।

उपरोक्त शिविर के दौरान श्रीष्मकालीन अन्वेषण में प्राणीय तबके के नर्नों को निःशुल्क कम्प्यूटर प्रशिक्षण दिया जायेगा। पंचायत सदस्य अन्वेषण खां ने बताया कि ग्राम फरुदीनका के 250 बच्चे इस शिक्षा से लाभान्वित होंगे। और कम्प्यूटर शिक्षा के प्रति जागरूकता बढ़ेगी। स्वास्थ्य शिविर के डॉ. संजय शर्मा ने बताया कि ग्राम में होने वाली बिमारियों को रोकथाम हेतु प्रत्येक शनिवार स्वास्थ्य शिविर का आयोजन युनाइटेड ब्रेवरीज के सहयोग से किया जायेगा जिसमें दवाओं का वितरण भी निःशुल्क रहेगा।

पंचायत सदस्य भी अन्वेषण खां ने युनाइटेड ब्रेवरीज के A.V.P. जर्ज पाल व अन्य उपस्थित कम्पनी के अधिकारियों के समक्ष ग्राम की समस्याओं से अवगत कराया सभी लोगों ने ग्राम का निरिक्षण करवाया जिसमें ग्राम की पानी, शिक्षा, स्वास्थ्य की समस्या प्रमुख थी।

उपरोक्त समारोह में अनुज कुल खेदा (मैनेजर एच.आर.), आनन्द गोस्वामी, विवेक यादव, रविन्द्र यादव, मंच अकल खां, गिनु मोहम्मद एवं जयवंत शिखा समिति के जम्परेकर सुशिरिंद मोहम्मद और अताखान व अन्य गणमान्य व्यक्ति उपस्थित थे।



Kerala

- Besides supporting the Government Primary Health Centre, a health centre is being run in Pudukkottai Panchayat which has provided free medical treatment and basic medicines to over 500 individuals.

Andhra Pradesh

- Mobile medical units are being operated to make health facilities and medicines available to the community. 8,154 individuals have benefited from primary health interventions this year.
- Fumigation and fogging activities are being carried out regularly for mosquito control at Kammbalapeta, Bantupalli and Nadikudutipalem villages.



Through our water initiative, we have touched the lives of over **54,000** people in **three** states

3,700
people in 5 villages of
Karnataka

17,904
people in 10 villages of
Telangana

32,690
people in 10 villages of
Maharashtra



Water



Water is a widely recognised scarce resource globally and various efforts and initiatives are on, at several levels, to look at additional sources, as well as to replenish and recycle to ensure sustenance. Water is the key to existence and growth of several enterprises across domains and more so for us, considering that the primary raw material for all our products is water. We have in place various sustainability initiatives and strive to reduce the consumption of fresh

water in the production of each hectolitre of beer. Among our efforts is the recycling of waste water coming out of production. Other water-related initiatives include rainwater harvesting and de-silting of tanks, ponds and other natural water bodies. As a way forward, we intend to focus on the availability of safe drinking water and commit a significant proportion of our CSR budget to ensure the availability of safe drinking water for communities residing in the vicinity of each of

our 21 company-owned breweries. Over 140 villages comprising a population of over 600,000 would be covered under this program. The programme is in partnership with reputed non-governmental organisations and the respective gram panchayats and would be implemented over 5 years, beginning FY 15-16.

Safe Drinking Water Programme

Project Implementation Period:
November 2015 – March 2016

Implementation Partner:
Sarvodaya Integrated Rural Development Society (SIRDS)

Location:
Nelamangala, Rural Bangalore, Karnataka

A project was initiated to establish three 'Community Water Plants' to provide safe drinking water to residents of five villages at Nelamangala, in the vicinity of the brewery. The project was implemented in partnership with Sarvodaya Integrated Rural Development Society (SIRDS) in the period between November 2015 and March 2016.

UBL supported this project to ensure availability of safe drinking water to

3,700 residents at Gangadharpalya, Veeranajipura, Ananthapura, Dinnepalya and Bommenahalli villages in the vicinity. These water plant rooms have been constructed on



panchayat land and a committee constituting panchayat members, the RO vendor, as well as NGO and UBL representatives was formed to ensure maintenance of the plant for the next 5 years. Awareness generation activities have been carried out through wall writings and street plays.

The water plants were inaugurated by Mr. Shekhar Ramamurthy, Managing Director, UBL and Dr. Shrinivas Murthy, MLA, Nelamangala on March 2, 2016. Dr. Shrinivas Murthy appreciated the effort and urged other industrial establishments to follow UB's example and contribute towards rural development.





MRS. LAKSHAMMA
52 years, Gangadharanapalya

“ Earlier, the villagers used to drink tap water which was supplied directly from tube wells and it was causing many health problems. We had to spend a lot of money on treatments. Now the community RO plant has been installed by UBL and people are getting purified (RO) water, therefore their health problems should reduce now. Everyone is getting water from this unit. Thank you UBL.”



MR. TIRUMALAYYA,
54 years, Gangadharanapalya

“ Till last month, I used to carry empty cans on my two wheeler to Nelamangala to fetch purified water. It was not only a costly affair, but a time-consuming one as well. Many thanks to UBL for installing an RO unit in our village. I now get pure water in my village and that too at minimum rates. This saves time and money for me.”



MRS. PARVTAMMA
45 years, Veerananjipur

“ Even though I know that the water that is supplied in public taps is not good, I was using the water for me and my family. Being a woman, I can't go to the neighbouring villages to fetch purified water and even my husband does not have the time to do this as he leaves for work early in the morning and returns home late in the evening. The RO unit installed by UBL is very close to my home. I can go and get the filtered water as per my convenience and the water is so pure and tasty that we are enjoying the facilities. Great work by UBL. Thank you.”



MR. VEERAMAREGOUDA
65 years, Veerananjipur

“ We were using tube well water for drinking purposes. It is hard water and it is very salty. Now we use purified water. It is good in taste and people from the surrounding five villages are also using the same water. Our children are carrying the same water to school on a daily basis. We are really blessed to have such a facility at our doorstep. We are very grateful to UBL for providing us such a facility and thanks to Sarvodaya NGO for making this possible.”



SMT. SHANTAMMA
48 years, Bommanahalli

“ Earlier, we were using salty hard water from the public tap. To avoid diseases, I was using boiled water which didn't taste good. Now, I am very happy to use purified (RO) water as I can use it without boiling it and it is very tasty as well. Along with us, people from the surrounding villages are also carrying the same water. We are using the cans provided by UBL to fetch the water. This is very helpful to us and people from neighbouring 3 villages. Thank you very much UBL.”



Bihar

- A pond has been renovated in Chichaul village, and over 500 residents have benefited.

Andhra Pradesh

- Borewells, pipelines and civil pedestals for an overhead tank were provided in Bantupalli village to ensure availability of water to villagers.

Odisha

- Drinking water was supplied to four wards of Khurda municipality in the peak summer months of April, May and June through tankers. Over 2000 individuals have benefited from this initiative.



Telangana

- A bore well pump-set, with pipes and fittings, has been set up at Kothlapur gram panchayat in Sangareddy to ensure the availability of water to villagers.





Water Conservation at UBL



Considering the intensity of water shortage and the rapid dwindling of natural sources, it is imperative that we take all possible measures to conserve and replenish water. Rainwater harvesting (RWH) is a popular and effective technique which involves conserving rainwater from various sites and recharging the ground at the same site instead of allowing it to flow away.



Rainwater Harvesting at Ganeshapuram, Palakkad

Rainwater is collected from roofs of structures, and redirected to a deep pit - a well, shaft or borehole. This acts as a reservoir with percolation which replenishes the ground water table. Water is also collected

from dew or fog with nets or other devices, and is usually used for various non-drinking purposes. The harvested water can also be used as drinking water, if it is effectively treated.

United Breweries Limited is creating awareness about rainwater harvesting and encouraging residents in the areas we are engaged in to adopt RWH and incorporate the infrastructure in their surroundings. We are working closely with community representatives towards creating awareness on this aspect.

Rainwater Harvesting project at Nalanda Bihar



IN OUR RELENTLESS PURSUIT FOR SUSTAINABILITY IN MANUFACTURING OPERATIONS, THE FOLLOWING INITIATIVES WERE UNDERTAKEN IN AND AROUND OUR BREWERIES IN INDIA.



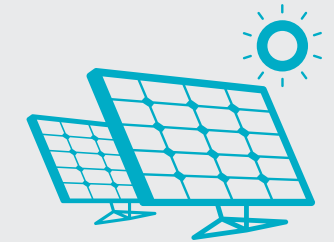
Towards becoming a Water Positive Organisation

Recycling of treated waste water in breweries

Rainwater harvesting / water shed management projects in and around the breweries



Replacement of fossil fuels with agricultural waste (such as rice husk, bagasse, saw dust, ground nut shell, coconut shell, soya husk)

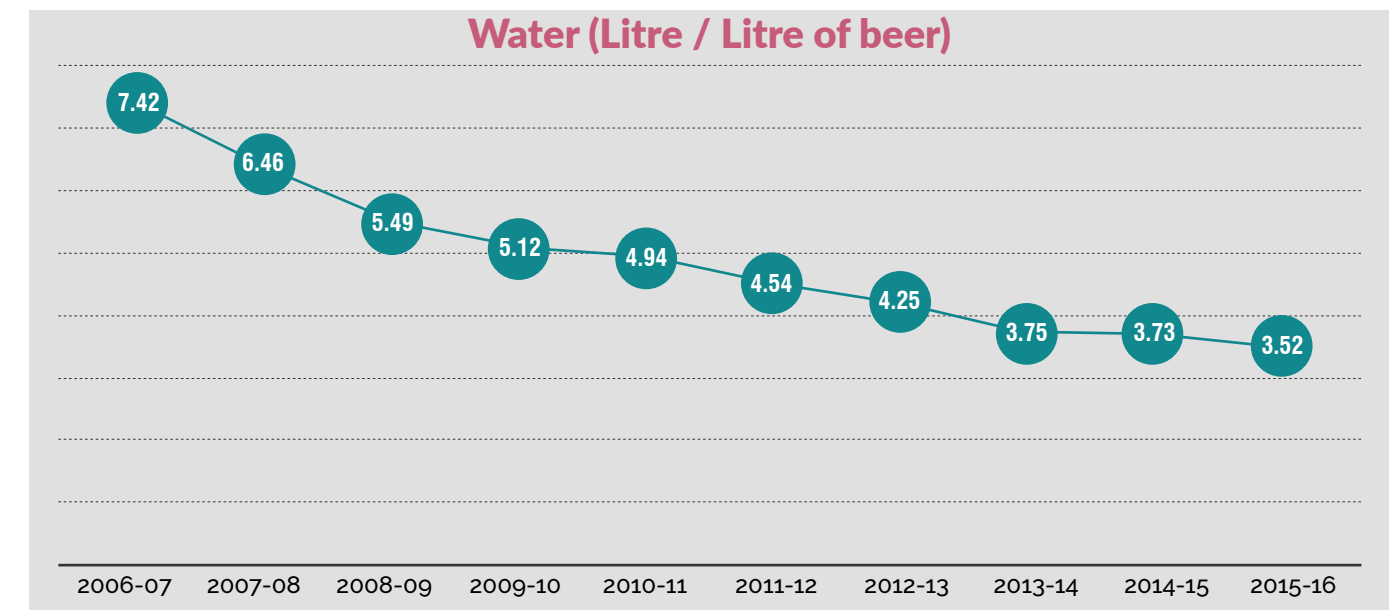


Usage of renewable sources of energy (solar)

Water Positive Journey

To ensure that the quantum of fresh water used in producing beer is at least neutralised by harvesting rainwater and making it available for productive use in villages around our breweries.

Reduction of fresh water consumption:



Over the last decade, the fresh water consumption has been reduced by more than 50% across all our breweries. As part of our journey towards becoming a water positive organisation, waste water is recycled through sophisticated tertiary treatment systems and used in auxiliary functions in the plant.

As of March 31, 2016, the average overall water consumption is about 4.52 litre / litre of beer produced. Of this, the fresh water consumption is about 3.52 litre / litre of beer.

UBL is one of the best among the breweries in Asia, in terms of fresh water usage, for recycled beer bottle operations.

Rainwater Harvesting / Water Shed Management Projects

11 out of the 21 company owned breweries have got rainwater harvesting systems installed within the brewery premises, thereby effectively improving the water table.

Rainwater harvesting projects have also been installed outside the brewery premises in four states to help the local community derive benefit from this hitherto run-off water, by either collecting it in ponds or diverting it to rainwater harvesting structures that feed into the underground water table.

A FEW NOTABLE PROJECTS

- Rejuvenation of a temple pond in Aralvoyal village, Thiruvallur district (Tamil Nadu state) – through deepening of the pond and clearing of the natural water channels that aid water flow into the pond, thereby increasing the water table in the region
- Rejuvenation of a village pond in Nelamangala village near Bangalore
- Rejuvenation of a village pond near our brewery at Patna through rainwater harvesting which increased the water table in the locality
- Rejuvenation of a drinking water well in Chachara Sabara Sahi village, Khurda near our brewery at Odisha wherein the rainwater recharge system ensures that the well has got water throughout the year



Statistics on Artificial Rainwater Recharge Quantity

As of March 31, 2016, the total water recharged is 17% of the total fresh water consumption compared to 12% in the last financial year.

The mission is to move towards becoming a water positive organisation by the year 2025.

The ongoing water shed management projects in this financial year include:



Mangalore: Rejuvenation of nullah, thereby improving the water table in the cultivable lands surrounding the nullah, and increasing the crop cultivation to 2 crops/ year from the present level of 1 crop / year. The water recharge potential of this project has been estimated at 2,70,000 Kilo-litres / annum.

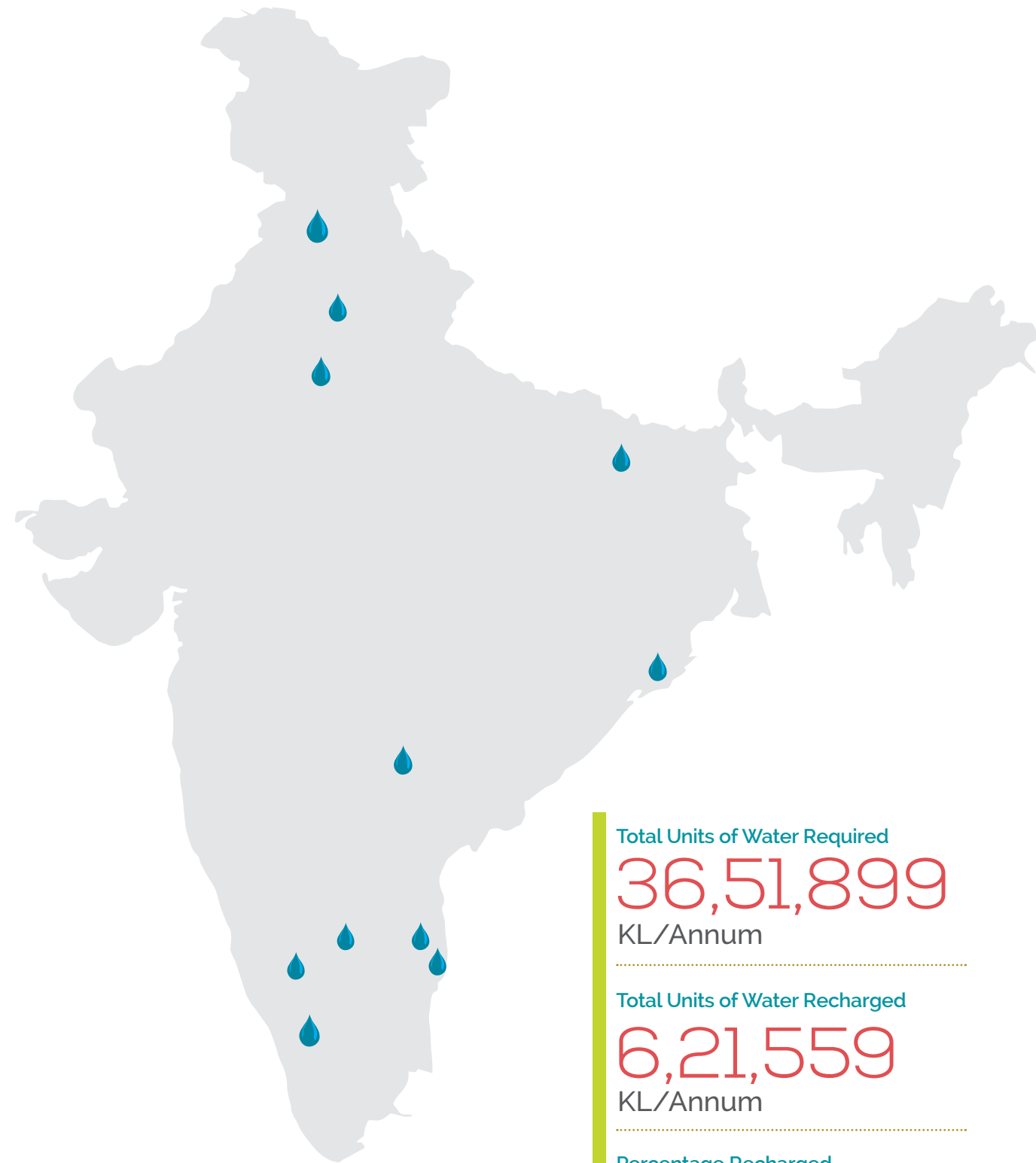


Bhoomi Pooja to initiate the water conservation project on March 28, 2016

Palakkad: Rejuvenation of a lake, thereby improving the water table in the cultivable lands around the lake and increasing the number of cultivation to 3 crops / year. The water recharge potential of this project has been estimated at 2,90,000 Kilo-litres / annum.



Recharge Summary



Total Units of Water Required
36,51,899
 KL/Annum

Total Units of Water Recharged
6,21,559
 KL/Annum

Percentage Recharged
17%

KARNATAKA

Nelamangala

STRUCTURES

- Desilting and deepening of a lake
- Recharge ponds with recharge bores
- Dug cum bore wells
- Recharge trenches

BENEFITS: The water level has improved in the defunct bore wells and yield from bore wells in the neighbouring villages has become sustainable.



UBL NELAMANGALA

Units of Water Required
2,74,688
 KL/Annum

Units of Water Recharged
1,21,600
 KL/Annum

Percentage Recharged
44%

Master Plan of Rainwater Harvesting at UBL-Nelamangala, KARNATAKA



KARNATAKA

STRUCTURES

- Percolation pond with recharge bores
- Dug cum bore wells
- Recharge wells with recharge bores
- Recharge wells
- Recharge trenches

BENEFITS: Improvement in water levels in the adjoining bore wells.



Nanjangud

UBL CHAMUNDI

Units of Water Required
1,54,788
KL/Annum

Units of Water Recharged
18,214
KL/Annum

Percentage Recharged
12%

RAJASTHAN

Chopanki

UBL RAJASTHAN

Units of Water Required
2,31,114
KL/Annum

Units of Water Recharged
42,116
KL/Annum

Percentage Recharged
18%

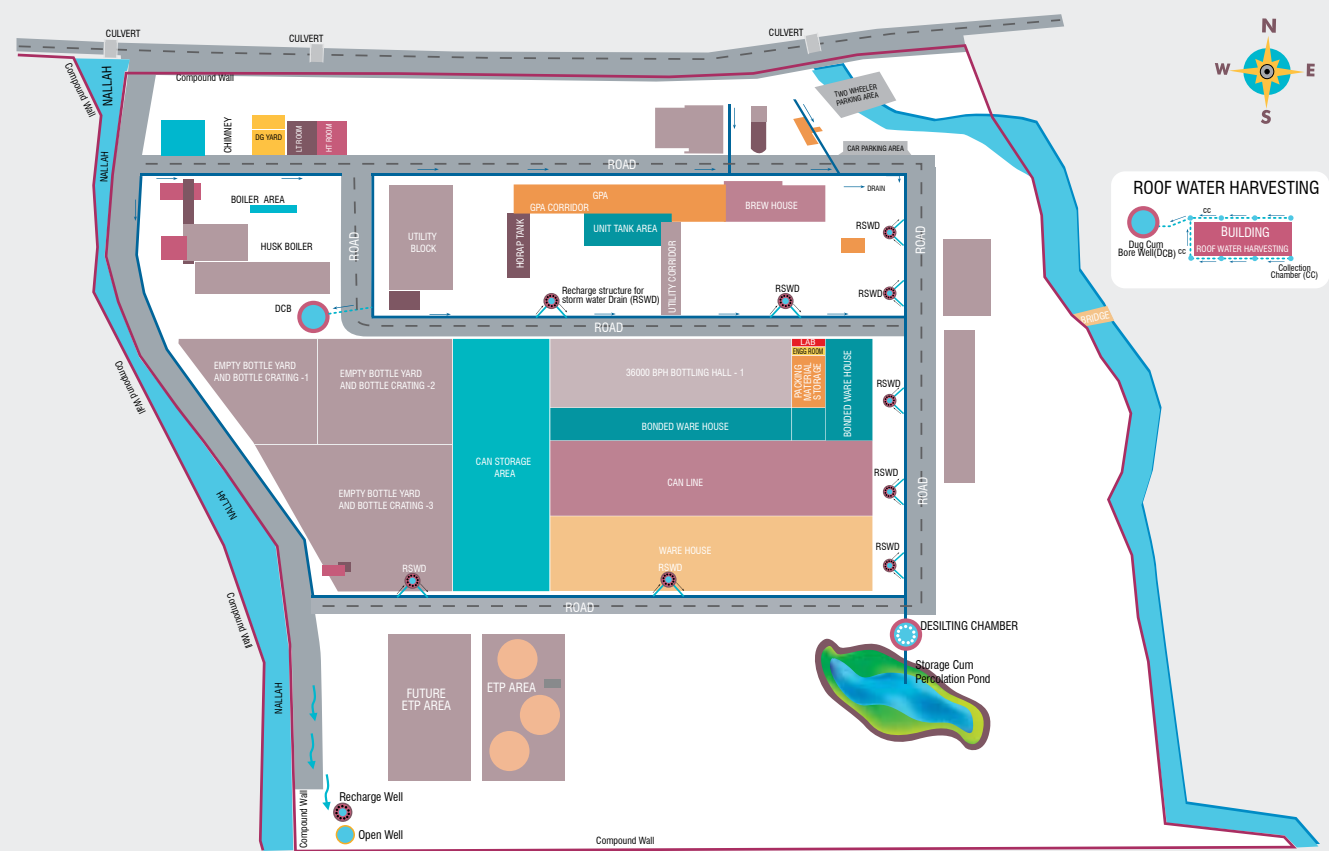
STRUCTURES

- Recharge ponds with recharge bores
- Mini percolation ponds with recharge bores
- Percolation pits
- Community water harvesting pond in gandhola village

BENEFITS: Water levels have improved in the village tube wells



Master Plan of Rainwater Harvesting at UBL-Chamundi, KARNATAKA



Master Plan of Rainwater Harvesting at UBL-Rajasthan



ODISHA

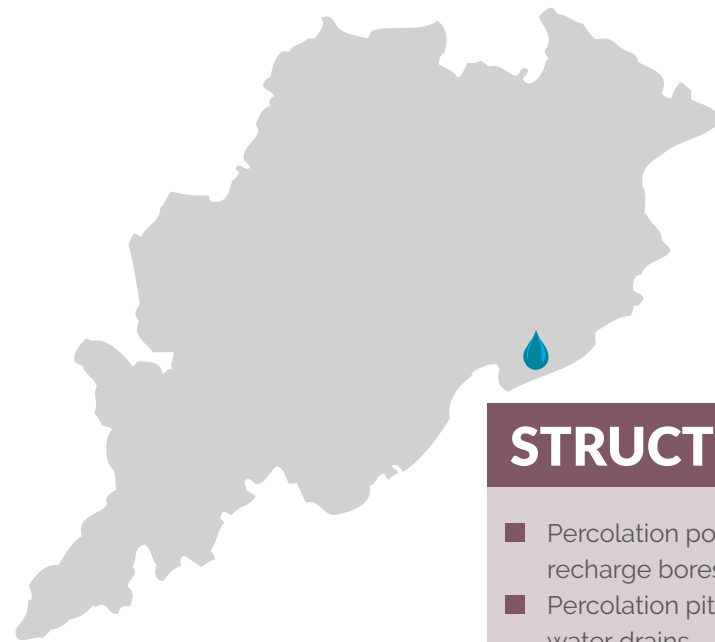
Khurda

UBL ODISHA

Units of Water Required
1,18,504
KL/Annum

Units of Water Recharged
73,600
KL/Annum

Percentage Recharged
62%



STRUCTURES

- Percolation pond with recharge bores
- Percolation pits near storm water drains
- Linear recharge wells with recharge bores
- Recharge of an open well with roof and surface water in Basti area

BENEFITS: Water level has improved and yield from open well/ bore well has improved substantially in downstream Basti areas.

HARYANA

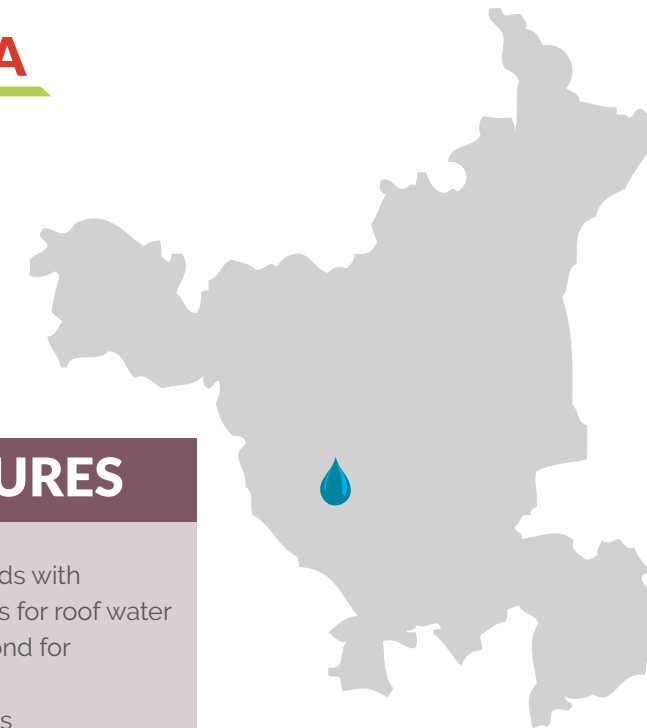
Dharuhera

UBL DHARUHERA

Units of Water Required
1,34,871
KL/Annum

Units of Water Recharged
16,700
KL/Annum

Percentage Recharged
12%

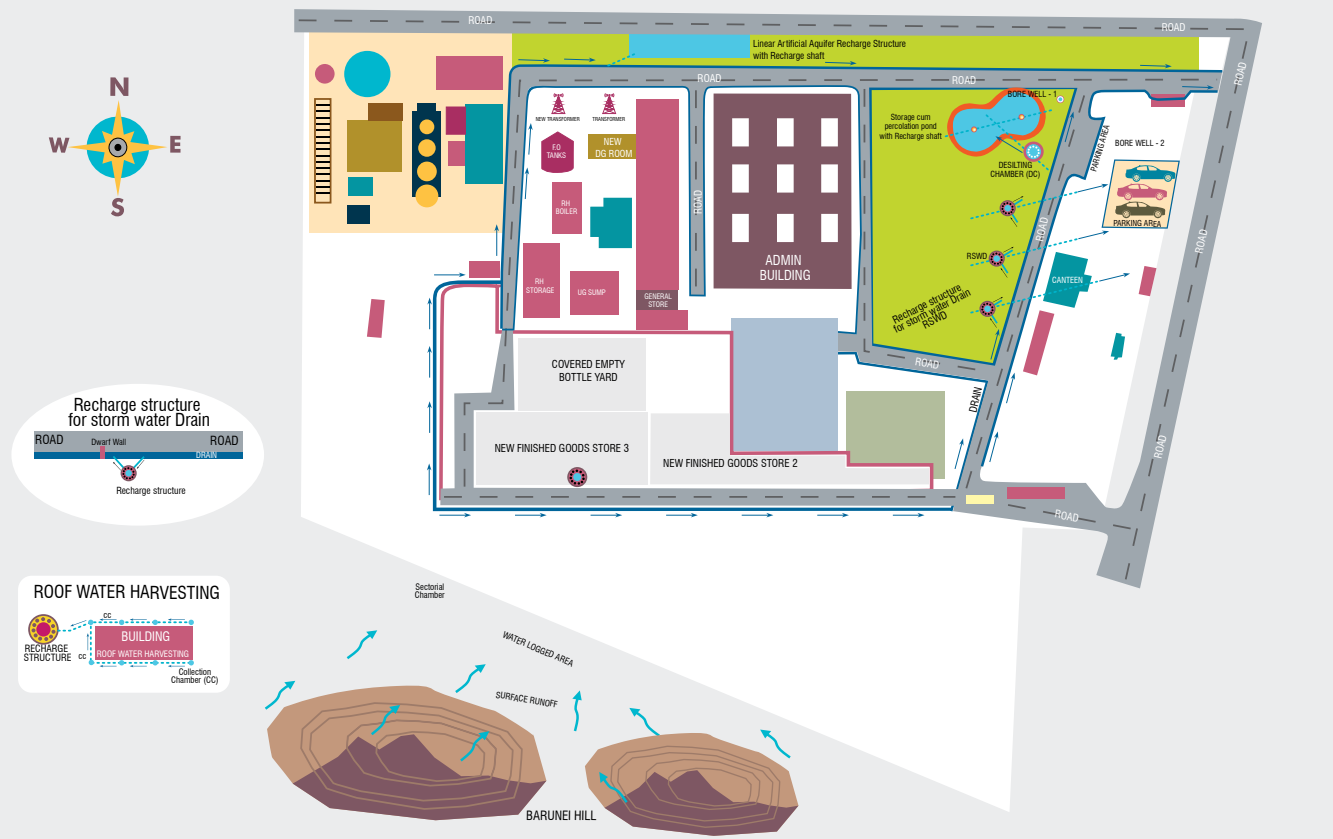


STRUCTURES

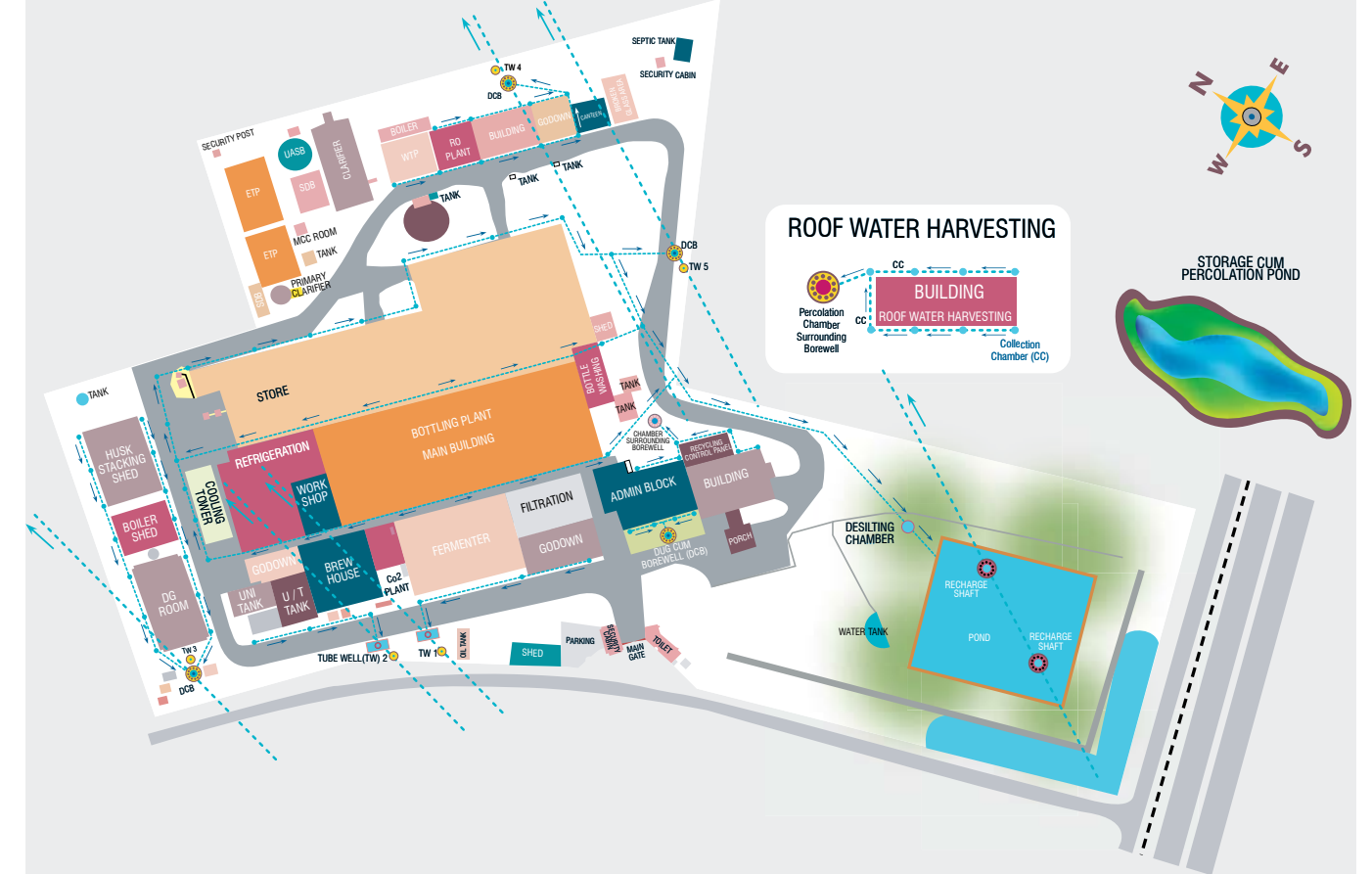
- Recharge ponds with recharge bores for roof water
- Percolation pond for surface water
- Recharge wells

BENEFITS: Tube wells inside the plant and nearby areas give sustained yield after recharge activities.

Master Plan of Rainwater Harvesting at UBL-Odisha



Master Plan of Rainwater Harvesting at UBL-Dharuhera, HARYANA



KERALA

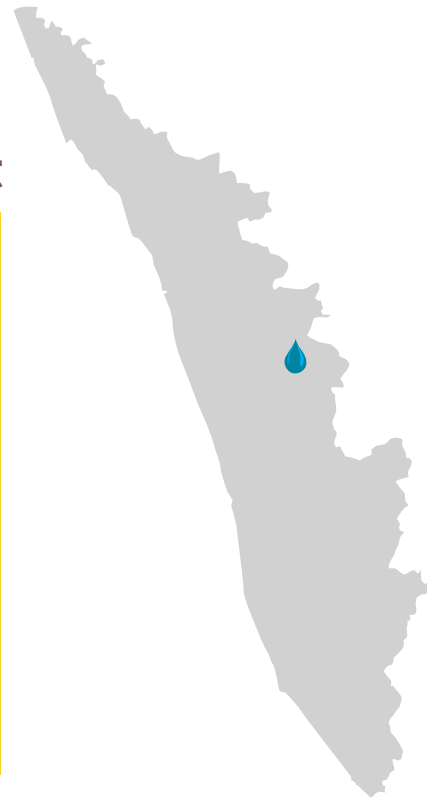
Kanjikode West

UBL PALAKKAD

Units of Water Required
1,66,413
KL/Annum

Units of Water Recharged
61,000
KL/Annum

Percentage Recharged
37%



STRUCTURES

- Recharge ponds
- Roof water harvesting for the open wells
- Percolation pits

BENEFITS: Increase in water levels; Yield from bore wells have increased and quality of ground water has improved considerably. Villagers get regular distribution of drinking water after rainwater harvesting.

TAMIL NADU

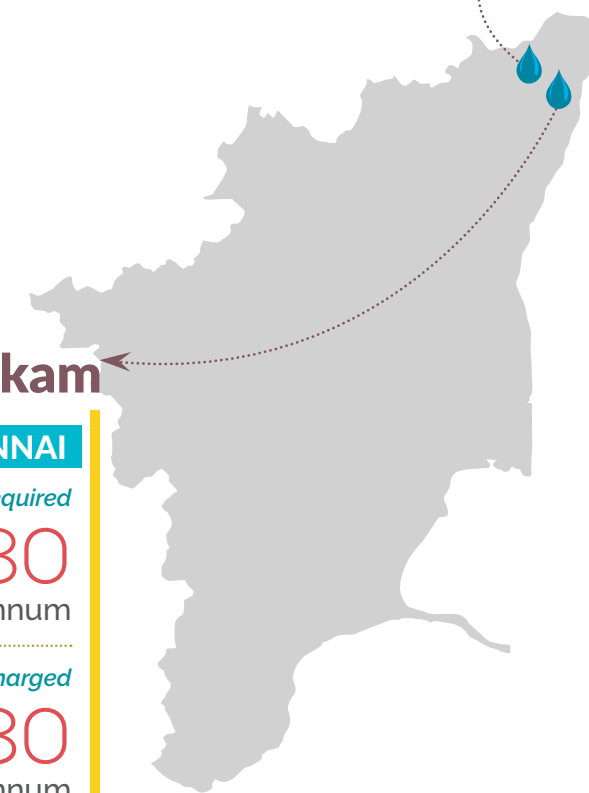
Aranvoyal

EMPEE CHENNAI

Units of Water Required
1,02,439
KL/Annum

Units of Water Recharged
32,853
KL/Annum

Percentage Recharged
32%



Kuthambakkam

UB CHENNAI

Units of Water Required
1,53,830
KL/Annum

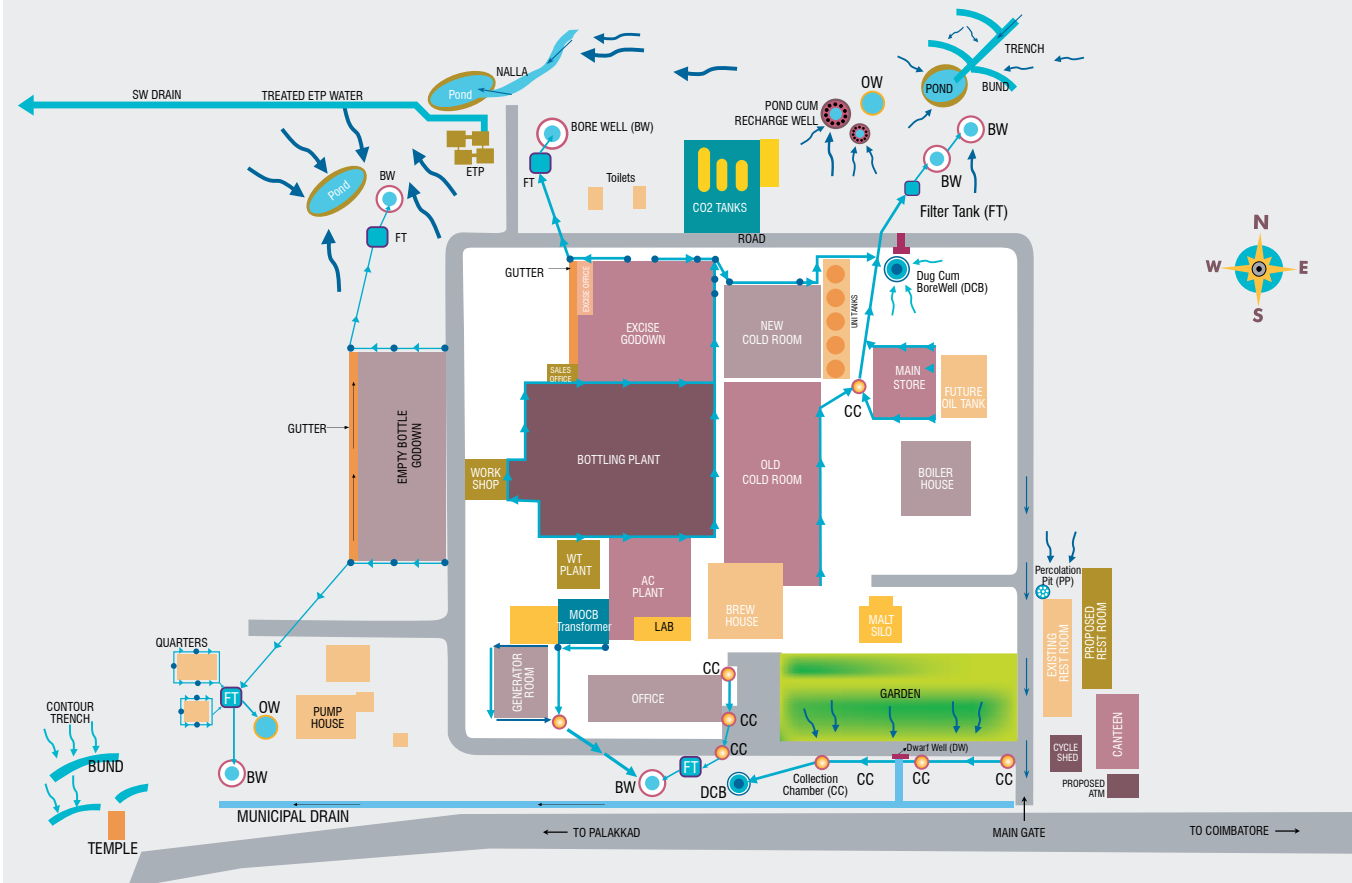
Units of Water Recharged
1,00,280
KL/Annum

Percentage Recharged
65%

STRUCTURES

- 500 KL aquatic percolation pond
- 1,227 KL percolation pond in a green belt area
- 6 Recharge wells with shaft
- 2 Recharge wells of 1.2 M diameter

Master Plan of Rainwater Harvesting at UBL-Palakkad, KERALA



TELANGANA



Sangareddy

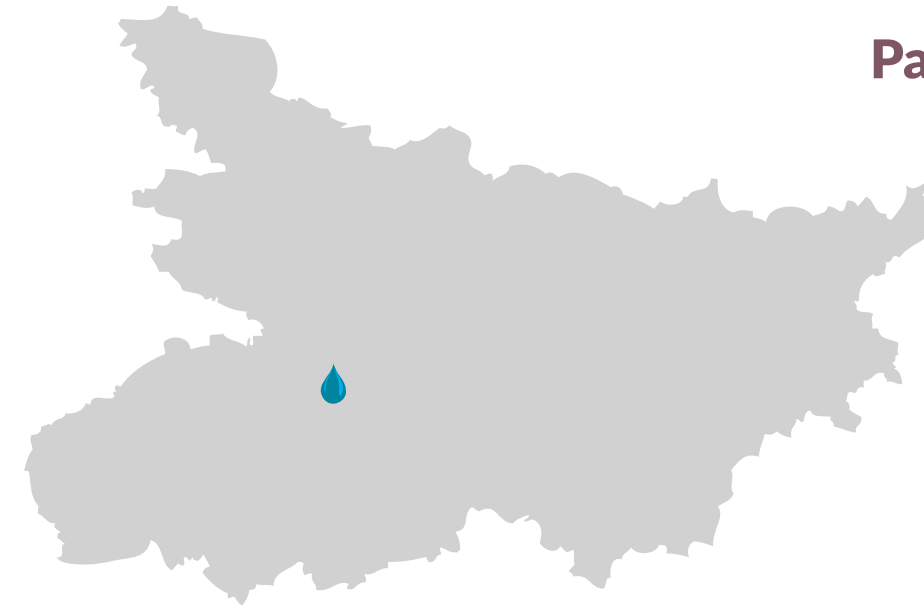
UBL GOLCONDA

Units of Water Required
3,17,199
KL/Annum

Units of Water Recharged
31,520
KL/Annum

Percentage Recharged
10%

BIHAR



Patna

UBL NALANDA

Units of Water Required
1,58,940
KL/Annum

Units of Water Recharged
1,02,240
KL/Annum

Percentage Recharged
64%

PUNJAB

Ludhiana

UBL LUDHIANA

Units of Water Required
2,17,440
KL/Annum

Units of Water Recharged
21,436
KL/Annum

Percentage Recharged
10%

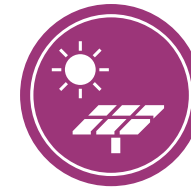




Usage of Agricultural Waste and Replacing Fossil Fuels

18 out of 21 company-owned breweries operate the steam boiler with agricultural waste such as rice husk, bagasse, saw dust, coconut shell, ground nut shell, soya husk instead of fossil fuels such as coal and furnace oil.

As of March 31, 2016, 85% of the total fuel used is from agricultural waste and efforts are underway to achieve 100%

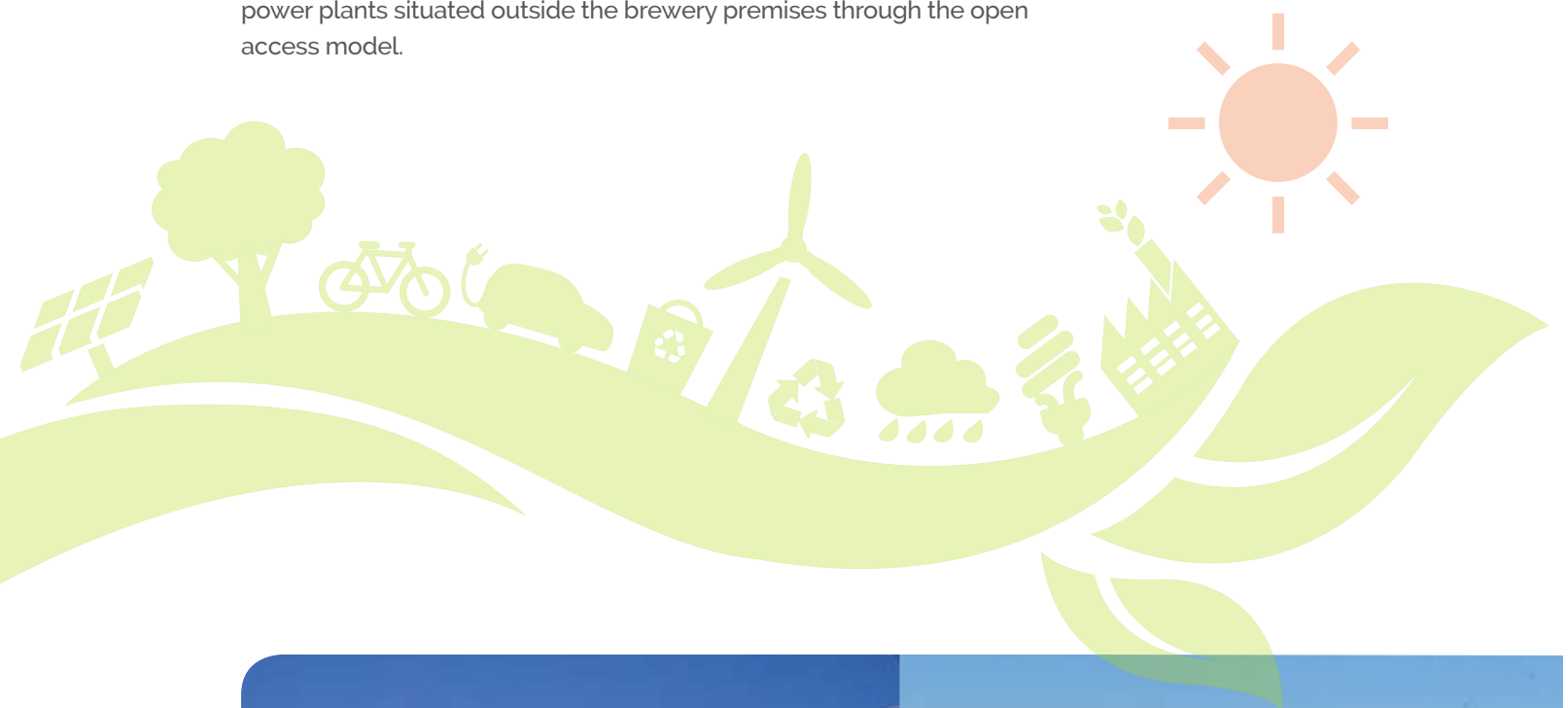


Usage of Renewable Energy Sources

To leverage the potential of solar energy available in our country, UBL has tied up with Solar Power producers.

The working model for obtaining solar power includes both ground mounted / roof top installations inside our breweries and through solar power plants situated outside the brewery premises through the open access model.

As a first step, 75% of the total power consumption (10 Million units / annum) across three breweries in Karnataka will be through solar energy from August 1, 2016.





Disaster Relief



In Solidarity with Chennai

Chennai was devastated by floods resulting from heavy rainfall due to the annual northeast monsoon in Nov-Dec 2015. The incessant rains caused heavy flooding and deluged Chennai city, a disaster that resulted in 500 people losing their lives. Over 18 lakh residents were displaced and the loss was estimated to be between Rs. 46000-100000 Crores. This was one of India's most intense natural disasters in recent times.

United Breweries Limited provided food to 150,000 flood victims during the Chennai floods through the Akshaya Patra Foundation.

The Empee Brewery distributed sarees, umbrellas, buckets, mats, biscuits, and other essentials to flood-affected people in Chennai on 8th December 2015. Around 100 families were covered in Iyappanthangal area, which was badly affected in the flood. On 8th December 2015 our team members visited the flooded areas and personally distributed relief materials to each family.

Employees of EBL contributed one day's salary towards relief and rehabilitation of those affected in Sithitaipatti village, Cuddalore taluk on 12th December 2015. Over 100 families were helped with relief packages consisting of rice, milk powder, dress materials, instant noodles, bread, biscuit, bedspreads, etc. The village head thanked EBL, mentioning that they were the first to lend a helping hand to them.

The Chennai Brewery distributed 500 mats and bedspreads to residents in flood affected households in Aranvoyal and Tiruvur panchayat areas.





UNITED BREWERIES LIMITED