

AWS Journey

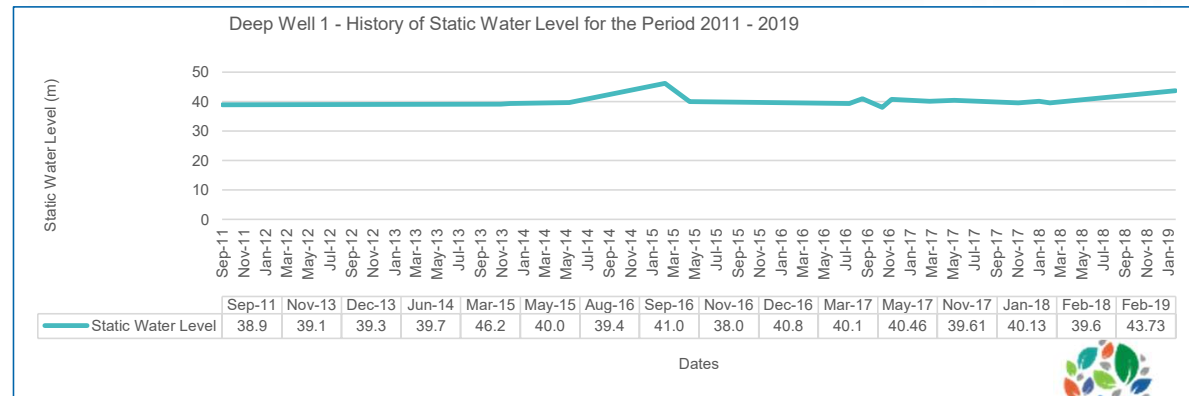
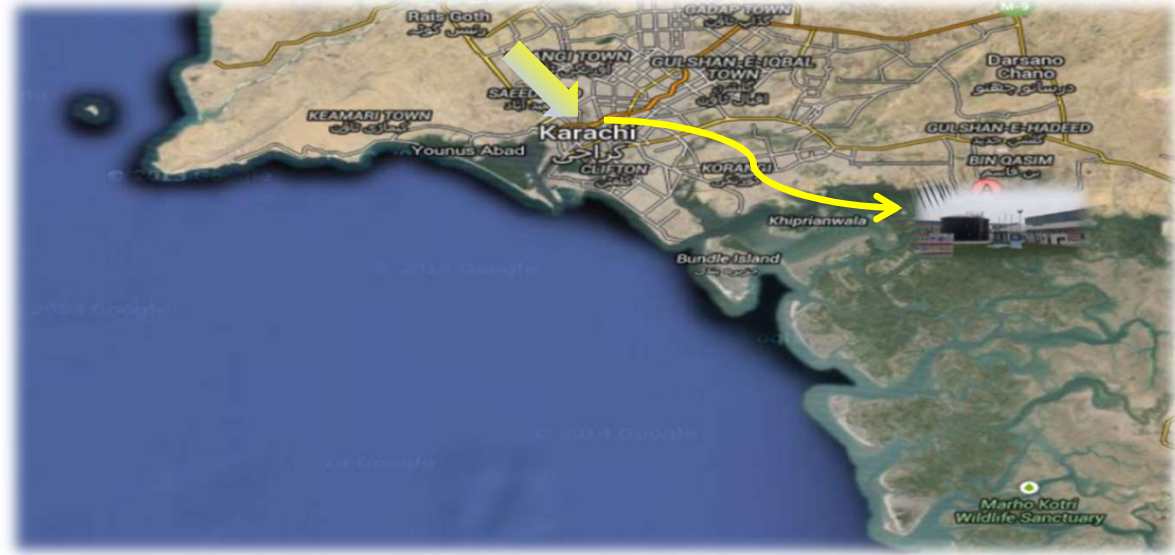
Nestlé Port Qasim Factory – 2020 - 2021



The Healthy Hydration Company™

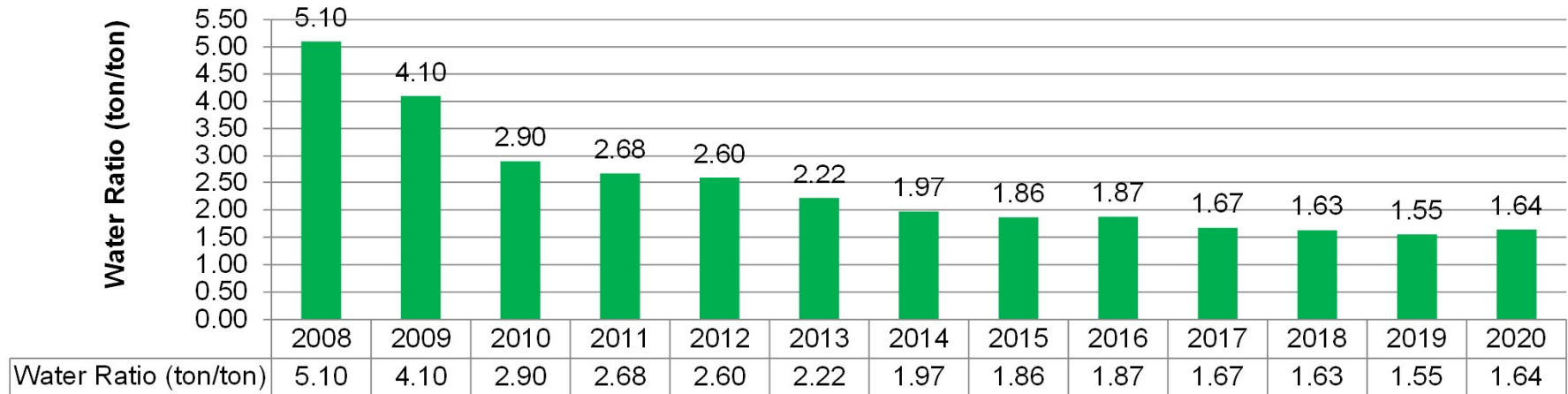
5.1.1 & 5.4.1 Water Resources Background, Challenges & Actions

- PQ Factory exists 5 km away from sea
- Source of water is underground water (Deep wells-Depth 400 m)
- Being closer to Sea, underground water reservoirs contain Saline water which is not usable without industrial treatment
- This allows public to have first and foremost access to drinking water supplied by local authorities (ex. KWSB)
- As per hydrogeological monitoring, underground water levels are sustained between 40 to 50 metres since 2008 till to date.
- Water Saving Projects are also done to continuously improve caring for environment which is 10th core business principle of Nestlé. This helps to slow down salinization which is shared water challenge.



Water Ratio Improvement - PQF

Water Ratio (ton/ton) Improvement 2008-2020



Key Water Saving Projects:

2008 – 2012: Reducing Operational losses on Fillers and Washer

2013: Detailed water map was done followed by GPI exercise

2014: Optimization of CIP, Backwash & RO flushing Sequences

2015: New 10 μ pre-filter + GFS tank installation

2016: Installation of Recovery RO-Saved 28 Mio Lit/annum and DMAIC on HOD Filler Losses

2017: Reduction in Retail Line Diversions via new ozone injection point and Recovery RO Water Usage in GFS tank

2018: Recovery of Water from market Returned leak bottles

2019: Increase in RO Global Recovery from 85.7% to 90% via raw water feed conductivity improvement and shifting to DDCD CIPs for backline

2020: Optimization of Filler and Washer operational losses (increase from baseline due to decrease in RO recovery to maintain waste water compliance)

Water Saving Projects -2021 to 2023

| Sr | Projects (Water) | Start Date | End Date | Water Saving (m3/year) |
|------|---|--------------|--------------|------------------------|
| | | (dd/mm/yyyy) | (dd/mm/yyyy) | |
| 2021 | Improvement in main RO operation | 01.01.2021 | 15.01.2021 | 3000 |
| 2021 | Reduction in Retail filler overfilling | 01.01.2021 | 28.02.2021 | 200 |
| 2021 | Reduction in HOD filler overfilling | 01.03.2021 | 30.06.2021 | 400 |
| 2022 | Reduction in HOD overfilling from 19.5L/bottle to 19 L/bottle | 01.01.2022 | 31.03.2022 | 500 |
| 2023 | Recover evaporation losses from Cooling tower | 01.01.2022 | 30.06.2022 | 3000 |

Nestlé Pakistan Water Plan – 04th October 2017



AWS Kick Off Meeting – 28th May 2018



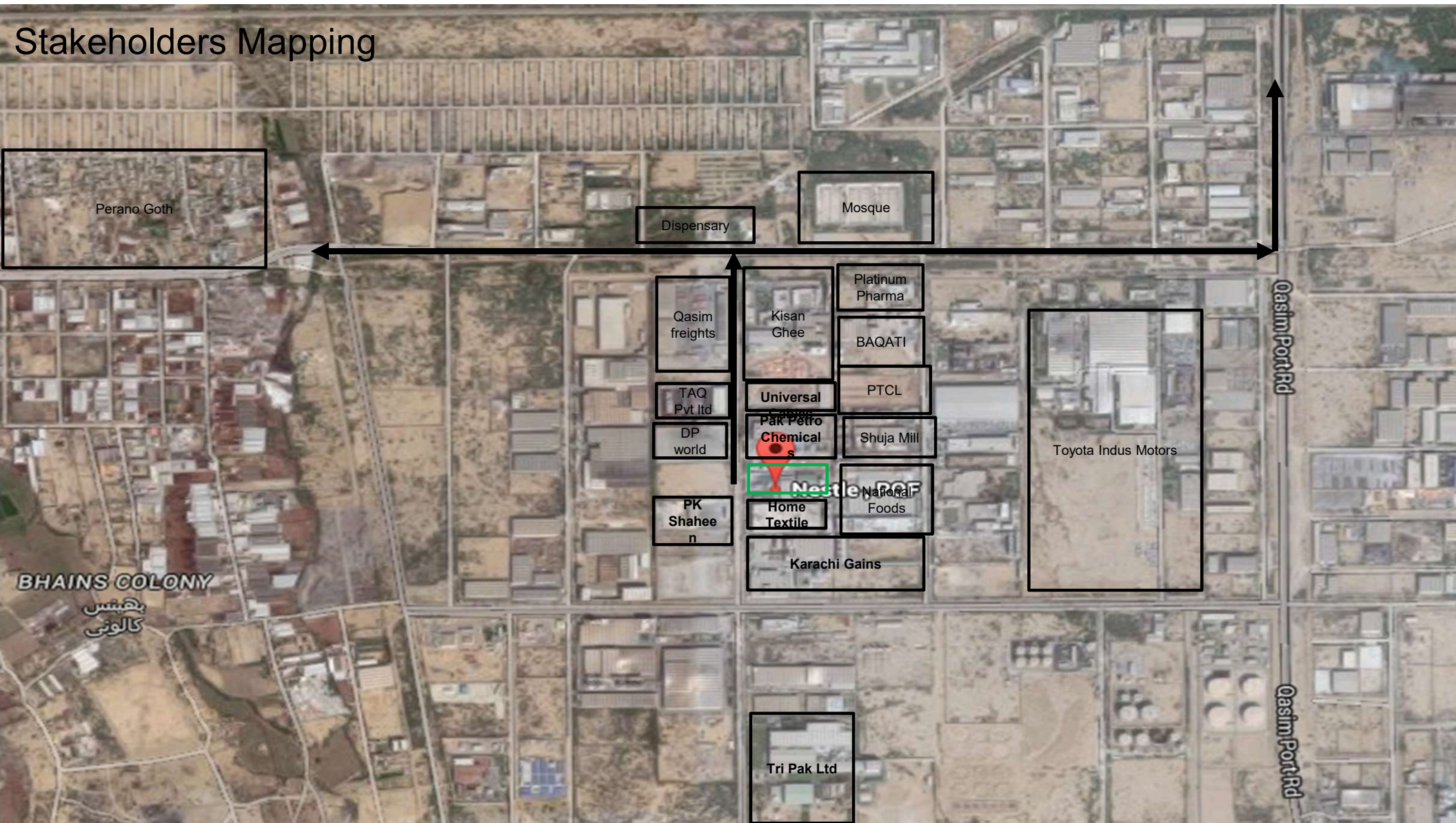
AWS Kick Off Meeting



Dinner With Journalists



Stakeholders Mapping



Stakeholder Interviews – 2019-20



National Foods



Faisalabad Oil Refinery (Kisan Ghee)



Home Care textile



Employees



Pak shaheen



Stakeholder Interviews – 2019-20



Shuja Mill (sufi oil)



Commisioner Karachi-Iftikhar shallwani



Water Treatment operator-Nestle



Universal Cables



Pak petro chemicals



Port Qasim Authority

Key Opinion Leaders Visit – 29th January 2019

Information session



Laboratory and testing



Water treatment and filtration



Filling & packaging area



Key Opinion Leaders Visit – 05th March 2019



Information session



Laboratory and testing



Filling & Packaging area



Deep well extraction



Key Opinion Leaders Visit – November 2019

Information session



Laboratory and testing



Injection Molding

LUMS Meeting



<https://www.nestle.pk/media/news/nestle-pakistan-lums-commemorate-world-water-day-reiterate-commitment-towards-water>

A screenshot of the Nestlé Pakistan website's news section. The page features the Nestlé logo and tagline "Good food, Good life" at the top left. A search bar is located at the top right. Below the header is a navigation menu with links: Home, About us, Our Stories, Our Impact, Brands, Nutrition Health & Wellness, Ask Nestlé, Careers, Investors, and Media. The "Media" link is highlighted. The main content area displays a news article titled "Nestlé Pakistan, LUMS commemorate World Water Day; reiterate commitment towards water stewardship" dated "MAR 19, 2021". The article text states: "LAHORE, March 19, 2021: Nestlé Pakistan and LUMS pledged to continue playing their role as water stewards in a session for World Water Day, under this year's theme 'Valuing Water'. The webinar featured speakers from WWF, Hisaar Foundation and Pakistan Agricultural Research Council, and focused on valuing water in agrarian economies like Pakistan by encouraging a collective action approach to conserve and sustainably use shared water resources." Social media sharing icons for Facebook, Twitter, LinkedIn, and Email are visible on the right side of the article.

Good food, Good life

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MAR 19, 2021

Nestlé Pakistan, LUMS commemorate World Water Day; reiterate commitment towards water stewardship

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LAHORE, March 19, 2021: Nestlé Pakistan and LUMS pledged to continue playing their role as water stewards in a session for World Water Day, under this year's theme 'Valuing Water'. The webinar featured speakers from WWF, Hisaar Foundation and Pakistan Agricultural Research Council, and focused on valuing water in agrarian economies like Pakistan by encouraging a collective action approach to conserve and sustainably use shared water resources.

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Relations with Community - 2020



Commissioner Karachi at Nestlé Event



Meeting with Employees



Meeting with Neighboring Industries



Meeting with Neighboring Industries

Tree Plantation with Authorities – 18th March 2019



Tree Plantation In Collaboration With Authorities Under Clean Green Pakistan Initiative



Port Qasim Authority

- Mr. Muhammad Siddique
(Director Environment)
- Mr. Mirza Azhar Iqbal
(Manager Environment)
- Mr. Sham Lal Sharma
(Deputy Manager VEYB)
- Mr. Rashid Mustafa
(Sample Collector)
- Mr. Zeeshan Bari
(Boom Operator)

Sindh EPA

- Mr. Muhammad Siddique
(Inspector)
- Mr. Muhammad Siddique
(Inspector)
- Mr. Muhammad Siddique
(Inspector)



Tree Plantation with Neighboring Industries – 18th March 2019



Tree Plantation In Collaboration With Factory Neighbors Under Clean Green Pakistan Initiative



Tree Plantation Activity was conducted (dated: 18th March, 2019) in collaboration with Mr. Muhammad Ikram Naizi (Manager HR/IR & Admin, Hamza Vegetable Oil Refinery Ghee & Mills) where 200 Trees planted in surroundings of their company. They gave commitment to give water to trees & also take care in future.

Nestle Employees also engaged voluntarily with full passion & planted their trees in that area.



Tree Plantation with Factory Employees – 18th March 2019



Employees Engagement & Involvement



Employees Engagement & Involvement



Nestlé Port Qasim Factory has planted total 10,000 trees in 2019 with employees, neighboring industries and authorities, trees growth is also being monitored via audits.



Tree Plantation-2021



- Total 2400 trees planted in Port Qasim and Jamshoro

Nestlé Pakistan Ltd.
17th Floor, 28,
Port Qasim Industrial Zone
Port Qasim, Karachi

Memorandum of Understanding

FOR TREE PLANTATION

This Memorandum of understanding for tree plantation is made at Port Qasim Karachi on this 5th day of March 2021.

BY AND BETWEEN

M/s Nestlé Pakistan Limited, a public limited company incorporated under the Companies Ordinance 1984 (as amended) having its registered office at 308-Vigant Mall, Lahore; and one of its factories located at Port # A-23, NW02 Port Qasim, Karachi (hereinafter called the "Factory") through its authorized representative (hereinafter called the "DONOR")

AND

M/s. National Forum for Health & Environment (commonly known as "NFHE") registered under Voluntary Social Welfare Agencies Ordinance, 1961 having its registered office at 309 - Alsehat Centre, Hotel Regent Plaza, Shalra-e-Faisal, Karachi, Sindh, Pakistan through its authorized representative (hereinafter referred to as the "DONEE")

(The expressions "DONOR & DONEE" shall mean and include their respective legal representatives, heirs, successors, in interest, assign etc.)

WHEREAS the DONOR is willing to join hands with the DONEE, to contribute to the wellness of environment by planting trees (hereinafter referred to as "TREES") under the initiative of Clean Green Pakistan.

WHEREAS the DONEE has offered to contribute towards the above-mentioned noble cause at its free will. Both the parties have accepted the mutually agreed terms and conditions, on which MOU is to be made and a desire of reducing the same into writing.

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NOW THEREFORE, THIS Memorandum of understanding WITHNESSTH AS FOLLOWS:

1. Total number 1000 indigenous plants are handed over to DONEE by the DONOR.
2. The DONEE will plant trees at their / partnering organizations' premises.
3. DONEE will always remain responsible to take care that includes watering, fertilizer and all other horticultural requirements of the trees once it is planted.
4. The DONOR covenants that after the trees are handed over to the DONEE, the DONOR shall not claim any sought of financial benefits e.g. fruit, timber and/or cost thereof, from the trees.
5. The DONEE covenant with the DONOR that the DONEE will always remain responsible for any sort of handling and/or mishandling of the trees after it is handed over to the DONEE.
6. Finally, both the parties do hereby confirm and admit that they have executed this agreement out of their free will (with no legal action against anyone) and after reading and understanding these presents.

Dated: 5th March, 2021

[Signature]

[Signature]

Dated: 5th March, 2021

[Signature]

[Signature]

Signature (DONOR)

Sidra Ehsan
S&E Manager
Nestlé Pakistan Ltd.
Port Qasim Karachi Factory

Signature (DONEE)

M. Naeem Qureshi
President
National Forum for Environment & Health
309 - Alsehat Centre, Hotel Regent Plaza,
Shalra-e-Faisal, Karachi, Sindh, Pakistan

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6. All fees that may be payable for the purposes, objectives of this agreement shall be borne by the DONEE exclusively.
7. Finally, both the parties do hereby confirm and admit that they have executed this agreement out of their free will (with no legal action against anyone) and after reading and understanding these presents.

Dated:

[Signature]
Signature (DONOR)

Sidra Ehsan
S&E Manager
Nestlé Pakistan Ltd.
Port Qasim Karachi Factory

[Signature]
Signature (DONEE)

Sharif Iqbal Azeem
Assistant Manager
Admin & Security
Grand Haven Nissem Ltd
Port Qasim Plant



NOW THEREFORE, THIS Memorandum of understanding WITHNESSTH AS FOLLOWS:

1. Total number 400 indigenous plants are handed over to DONEE by the DONOR.
2. The DONEE will plant trees at their / partnering organizations' premises.
3. DONEE will always remain responsible to take care that includes watering, fertilizer and all other horticultural requirements of the trees once it is planted.
4. The DONOR covenants that after the trees are handed over to the DONEE, the DONOR shall not claim any sought of financial benefits e.g. fruit, timber and/or cost thereof, from the trees.
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7. Finally, both the parties do hereby confirm and admit that they have executed this agreement out of their free will (with no legal action against anyone) and after reading and understanding these presents.

Dated: 10th Feb 2021

[Signature]
Signature (DONOR)

Sidra Ehsan
S&E Manager
Nestlé Pakistan Ltd.
Port Qasim Karachi Factory

[Signature]
Signature (DONEE)
Sharif Iqbal Azeem
Asst. Mgr. Admin & Security
Grand Haven Nissem Ltd.
(Pvt. Plant)
Ph: 0334-5311879
42261-10/0225-1.





WWD Celebration with Employees, Neighboring School Kids & Neighboring Industries



Information session – Presentation on Caring for water & AWS



Poster Competition



Cake Cutting

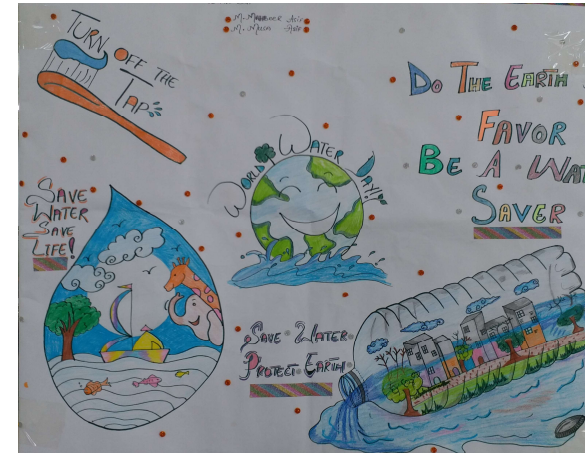
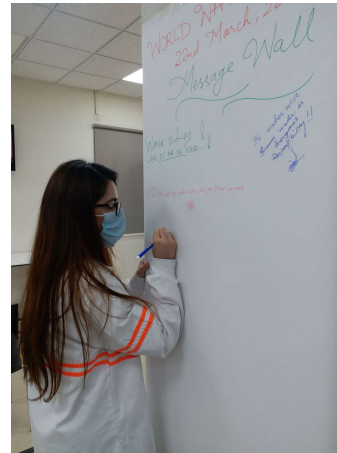


Tree Plantation



Poem Competition

World Water Day Celebration – 22nd March 2021



Awareness session with team on water saving projects and AWS



Water Awareness Session with Community and Neighboring Industries



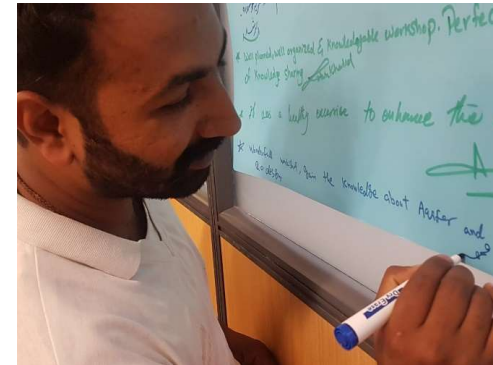
AWS Awareness Session & Water Resource Training For Employees



AWS Awareness Session for Water Resources Champions across Market



Live Bore Hole Drilling Experience



Excellent positive feedback was received from all participants for workshop. Involvement and enthusiasm towards learning was evident.

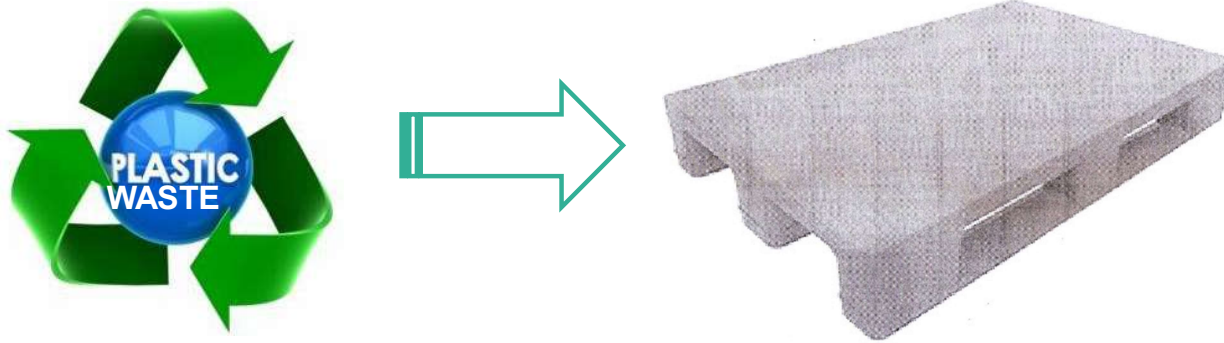
Beach Cleaning at Sea View Karachi– 05th Feb & 08th June 2019



Plastic Recycling

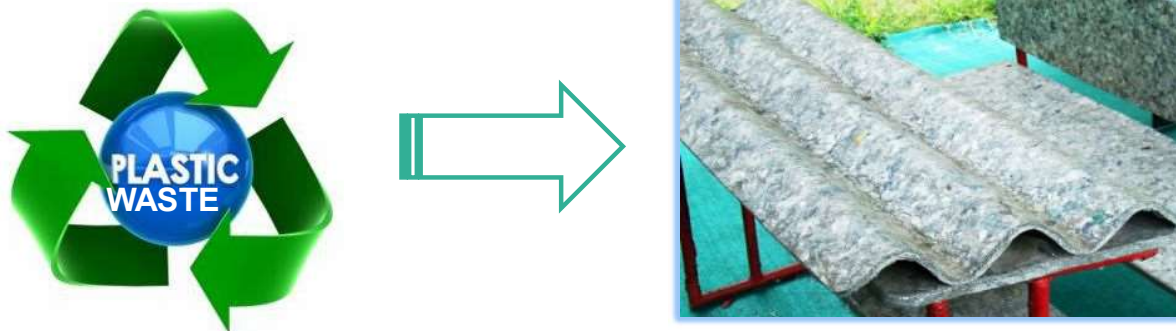


Plastic waste Recycling into Plastic Pallets



- 8300 Trees will be saved
- Recyclable
- Source of Waste from Factories

Use of Recycled Corrugated Tuff Board for Warehouse Roof



- 75% Less cost with recycled "Tuff Board"
- Temperature resistance 10-12°C
- No roof dismantling required
- Recyclable
- Easy to install

% Plastic packaging designed for recycling



| Factory Priority | Key Performance Indicator | Current Status | Target 2021 |
|-------------------|--|----------------|-------------|
| Guarding The Core | % Plastic Packaging design for Recycling | 98% | 100% |

| Category | Activity/Project | Month of Completion |
|--------------|---------------------------------------|---------------------|
| OMP Activity | HOD - Replace PVC Necksleeve with PET | Jun-21 |

Virgin Plastic Reduction (Tons Reduced)

| Category | Activity/Project | Month of Completion |
|--------------|---|-----------------------|
| OMP Activity | Retail - Elimination of Shrink and Stretch film | As per Market Roadmap |
| OMP Activity | Husky-Preform Weight Reduction | As per Market Roadmap |
| OMP Activity | HOD-5G Bottle material to be PET and BPA free | As per Market Roadmap |

