BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL

PRINCIPAL BENCH, NEW DELHI

ORIGINAL APPLICATION NO. 622/2024

IN THE MATTER OF:

VARUN GULATI …APPLICANT

VERSUS

STATE OF HARYANA AND ORS. …RESPONDENTS

INDEX

FILED THROUGH:

[SIDDHARTH BATRA], [ARCHNA YADAV] [SHIVANI CHAWLA]

[CHINMAY DUBEY] & [RHYTHM KATYAL]

Advocates for Respondent No. 67- M/s Global Wash Creation Pvt. Ltd.
8A, Sagar Apartments, 6-Tilak Marg,
New Delhi-110001.
Mob.: 9888884445
E-mail: siddharth.batra@satramdass.com
Phone: 011 4704 6111

Date: 17.05.2025
Place: New Delhi

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI

ORIGINAL APPLICATION NO. 622/2024

IN THE MATTER OF:

VARUN GULATI …APPLICANT

VERSUS

STATE OF HARYANA AND ORS. …RESPONDENTS

OBJECTIONS TO THE REPORT OF THE JOINT COMMITTEE ON BEHALF OF RESPONDENT NO. 67, M/S GLOBAL WASH CREATION PVT. LTD.

MOST RESPECTFULLY SHOWETH:

1. That the present objections are being filed on behalf of M/s Global Wash Creation Pvt. Ltd., Respondent No. 67, in compliance with the order dated 27.02.2025 passed by this Hon'ble Tribunal wherein the newly impleaded respondents were directed to file their objections to the Joint Committee Report dated 03.01.2025. As per the order dated 08.01.2025, the Answering Respondent has been impleaded as Respondent No. 67 along with other industries based on the Joint Committee Report.

2. That at the outset, it is submitted that the observations recorded in the Joint Committee Report do not fully reflect the compliance status of the answering respondent, and certain findings therein are based on erroneous assumptions, miscalculations, and an outdated compliance assessment.

3. That the answering respondent has undertaken substantial investments in advanced environmental control measures to ensure strict adherence to all

applicable environmental norms. The answering respondent denies any deliberate non-compliance and submits that the alleged deficiencies, if any, were either technical in nature or have already been rectified through corrective measures undertaken post-inspection.

4. **OBJECTIONS TO THE JOINT COMMITTEE REPORT**

4.1. That the Answering Respondent submits that an inspection was conducted on 08.08.2024, and certain observations were recorded regarding the operation of its Primary Effluent Treatment Plant (PETP). The Answering Respondent further submits that a Show Cause Notice (SCN) dated 02.01.2025, was issued by the Haryana State Pollution Control Board (HSPCB). The inspection report and the SCN alleges non-compliance on certain grounds, including allegation of dilution with freshwater and allegation of low BOD in PETP inlet indicating possible effluent dilution.

4.2. That it is submitted that all of the above issues were raised in the Show Cause Notice issued by HSPCB, to which the answering respondent submitted a detailed and reasoned response. The answering respondent duly clarified its position and provided documentary evidence of its compliance to HSPCB. Therefore, the continued reliance on these findings is unjustified and does not accurately reflect the present compliance status of the unit. A Copy of the latest detailed and reasoned response to the HSPCB Show Cause Notice along with all the relevant annexures is annexed herewith and marked as **ANNEXURE R-1.**

4.3. That the answering respondent categorically denies the allegation of dilution and submits that the effluent generated by the unit is routed to the CETP via a dedicated pipeline after necessary filtration. The inspection report does not establish any direct causal link between the answering

respondent's PETP operations and the alleged pollution in Drain No. 6. The claim of dilution is based on assumption, and the observed reductions in COD/BOD indicate effective treatment, not dilution.

4.4. That Joint Committee Report alleges that there is non-compliance due to high reduction in pollution parameters which has been apprehended as dilution with fresh in PETP among various other allegations.

4.5. That it is submitted that the answering respondent maintains proper operational records, including effluent flow data, chemical dosing logs, and treatment logs. The observed variations in parameters were adequately explained in the SCN reply. The report itself suggests a possibility of dilution but does not present any conclusive proof, nor does it reconcile with the documentation submitted.

4.6. That the answering respondent has consistently implemented stringent compliance measures to ensure that operations remain in accordance with the prescribed norms. The respondent maintains proper records of water and effluent data, ensuring that all logbooks related to freshwater consumption and effluent generation are updated regularly.

4.7. That to further validate compliance, the answering respondent has undertaken third-party independent testing to verify that its PETP meets all prescribed norms. The answering respondent has also engaged environmental consultants to enhance internal compliance mechanisms and ensure adherence to all environmental standards.

4.8. That the answering respondent holds a valid Consent to Operate (CTO) issued by HSPCB, which remains in force until 30.09.2027, demonstrating that the facility was found compliant at the time of renewal. The respondent

has also been granted authorization for the generation, collection, storage, and transportation of hazardous waste under the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.

4.9. That the Respondent's unit does not extract any groundwater and meets its water requirements solely through procured water from external sources and the reuse of treated water within the premises. The water used includes externally sourced water and recycled water from the Effluent Treatment Plant (ETP).

4.10. That any adverse order based on the findings of the Joint Committee Report would have severe financial implications and cause significant operational disruptions to the answering respondent. The unit employs a large workforce, and any disruption in operations would negatively impact the livelihoods of numerous employees and their families.

4.11. That in view of the above, the answering respondent prays that the findings in the Inspection Report be reconsidered, as they are based on mere assumptions rather than conclusive evidence of dilution. The answering respondent submits that corrective measures are already in place, ensuring ongoing compliance with all applicable environmental laws. Further, given that the CETP's inefficiencies contribute significantly to the overall compliance status, the answering respondent cannot be unfairly categorized as non-complying without a thorough and individualized assessment of its operational processes.

4.12. That in light of the foregoing submissions, the answering respondent categorically denies any allegations of non-compliance and submits that the findings of the Joint Committee Report and the subsequent classification of the answering respondent as non-complying are based on

assumptions rather than conclusive evidence. The answering respondent has consistently adhered to prescribed environmental norms, holds valid statutory permissions, and has taken proactive measures to ensure compliance.

4.13. That in view of the discrepancies in the findings and the absence of a direct causal link between the answering respondent's operations and the alleged environmental violations, it is most respectfully prayed that the answering respondent be provided with an opportunity to cooperate with the authorities and implement any further recommendations, if necessary.

4.14. That the answering respondent remains committed to environmental sustainability, regulatory compliance, and responsible industrial operations and prays for a just and fair assessment of its compliance status.

5. The answering respondent further reserves its right to file additional pleadings or affidavits, if necessary, in response to any subsequent developments in the present proceedings.

FILED THROUGH:

[SIDDHARTH BATRA], [ARCHNA YADAV] [SHIVANI CHAWLA]

[CHINMAY DUBEY] & [RHYTHM KATYAL]

Advocates for Respondent No. 67- M/s Global Wash Creation Pvt. Ltd.
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New Delhi-110001.
Mob.: 9888884445
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Date: 17.05.2025
Place: New Delhi

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI

O.A. No. 622 of 2024

IN THE MATTER OF:

Varun Gulati ...Applicant

Versus

State of Delhi & Ors. ...Respondents

AFFIDAVIT

I, RAHUL KAKKAR S/o RAKESH KAKKAR, aged about 40 years R/o B-488 3RD FLOOR MEERA BAGH PASCHIM VIHAR,WEST DELHI 110063, do hereby solemnly affirm and stat as under:

1. That I am the authorized signatory of Respondent No. 67, M/s GLOBALWASH CREATION PVT LTD, having its office at PLOT-556,PHASE-2,BARHI INDUSTRIAL AREA,SONIPAT,HARYANA 131101 , in the aforesaid Original Application, I am aware of the facts and circumstances of the case in my official capacity as stated above and hence, entitled to swear this affidavit.

2. That the accompanying reply has been drafted by my counsel under my instructions, and I say that the statements and submissions made in the said reply are true and correct to best of my knowledge based upon the records and my belief. I pray that the said reply to be treated as part and parcel of this Affidavit and the same is not being reproduced for the sake of brevity.

3. I say that the documents / annexure produced along with the reply are true copies of its originals.

NOTARY
PARVESH KR. TYAGI
REGN. No. 2268/02
AREA-DELHI
EXPIRY DATE:
09/10/2027
GOVT. OF INDIA

25 FEB 2025

For Globalwash Creation Pvt. Ltd.

Director

DEPONENT

VERIFICATION:

Verified that the contents of the above affidavit are true and correct to the best of my knowledge, belief and nothing material information has been concealed therefrom. No part of it is false.

Verified at 25 FEB 2025 on this ___ day of , 2025.

For Globalwash Creation Pvt. Ltd.

Director

DEPONENT

NOTARY
PARVESH KR. TYAGI
REGN. No. 2268/02
AREA-DELHI
EXPIRY DATE:
09/10/2027
GOVT. OF INDIA

ATTESTED

NOTARY PUBLIC, DELHI

25 FEB 2025

Office Copy

GLOBAL WASH
Way to Green

GLOBALWASH CREATION PRIVATE LIMITED
Regd. Off. : Plot 556, Phase II, HSIIDC Industrial Estate,
Barhi, Sonipat - 131101
CIN No. - U17200HR2010PTC041152

DATE 30/01/2025

ANNEXURE R-1

To,

Regional Officer
Haryana State Pollution Control Board,
Sonipat Region, Sonipat.

Subject: Reply and compliance of Show Cause Notice dated 2.1.25 for closure under section 33-A of Water (Prevention and Control of Pollution) Act, 1974, prosecution under section 43/44 of Water Act, revocation of consent u/s 27 of the Water Act & u/s 21(4) of the Air Act, 1981 and imposing of environmental compensation-Reg

Dear Sir,

Kindly refer to the above said show cause notice issued vide your office letter no. HSPCB/SR/2025/2729 dated 2.1.2025 and received on 17.01.2025 on the subject cited above.

In this context, it is submitted that our unit is engaged in the process of dyeing, bleaching and washing of Garments, provided with proper and adequate ETP with tertiary treatment, flow meters and maintained proper Logbooks for fresh water, trade effluent generated and treated and production data. Although the results shown in the above said notice are very well with in prescribed standards but even then, the said show cause notice has been issued with the observation that BOD value at the inlet of PETP has been found too much lower against typical range of 700-1000 mg/L, apprehending dilution at PETP inlet. Moreover, the said analyses report of the sample collected by joint team on 08.08.2024, was never been communicated to us. However, the para wise reply and compliance of the observations and recommendations of the committee is submitted herewith as under for your consideration;

A. Reply/ compliance of observations

Para 1&2. <u>Lower BOD Value at ETP Inlet:</u>

- We have adopted cleaner and advance technologies in our unit as per the Charter for Water Recycling & Pollution Prevention in Textile Industries.
- We have implemented a Chemical Management System for selecting non-toxic eco-friendly ZDHC approved chemicals and ensuring their optimal usage, along with Best Management Practices to minimize waste and reduce resource consumption, list of chemicals used in our unit is enclosed for reference as **Annexure-1**
- They reduced pollution loads in processed wastewater generated. Thus, the reduction in BOD levels due to utilization of the cleaner technology should be considered a positive initiative rather than being penalized. .

HARYANA STATE POLLUTION CONTROL BOARD
Plot-1, Sector-15, Part-II
SONEPAT-131001 (HR.)

Phone No. : +91-8447480047
Email : global@globalwashcreation.com

process involved in our unit., Dyeing process is also not regular and is done only for 5% Garments occasionally. we are mainly having bleaching and washing and softing processes having low concentration of BOD and other parameters resulting to dilution of concentrated effluent and lowering the values of BOD parameter.

- Further, Equalisation tank of adequate capacity has been provided at the inlet of our ETP so as to have the composite mass of trade effluent generated from different type of water polluting processes having different concentration, resulting the values for BOD or other parameters at the inlet of ETP in the range as shown in the above said show cause notice.
- Regular analysis of our ETP inlet and outlet samples has been got done from HSPCB as well as NABL accredited laboratories and the analyses of the same indicates that the BOD value at the ETP inlet ranges between _105.2 mg/L.
- The analyses report of our effluent **dated 23.07.2024, 20.08.24,** analysed from time-to-time HSPCB and EPA recognised laboratories, before and after the inspection conducted by joint team, are enclosed as **annexure-2** in support of our submission which shows the values of BOD at inlet to ETP, similar or near to the value as shown in the above referred notice.

Thus, from the above stated facts and details it is evident that no dilution of effluent with fresh water is done and no such arrangement as apprehended in the above referred notice, exists in our unit which is also clear from the fact that the joint team did not find any such arrangement at site in practical and did not pointed out at the time of inspection. It is pertinent to mention that during the inspection on 08-08-2024, no evidence of freshwater dilution in the ETP system was found. Therefore, the allegations are speculative and not based on factual data.

Reply/ compliance of recommendation

- Instead of we have got installed **state of art** full-fledged effluent treatment plant (ETP) with **Advance biological treatment system** based on **MEMBRANE BIO REACTOR** (MBR Technology), including tertiary treatment facilities from a repute company **M/s Water next solution (Italian company)** claim 80-90% reduction of COD and BOD Technical specification of the Plant is attached here **Annexure-3**
- Copy of feasibility report and adequacy report of our ETP, is also enclosed for reference as **annexure- 4**
- We recycle and reuse the maximum quantity of treated effluent in our process and doing the same. Approximately 80% treated effluent is recycled and reused in process
- The ETP is being operated regularly and effectively and achieving the prescribed standards as evident from the results shown in the above referred show cause notice and also from the analyses reports of our effluent analysed from time to time from HSPCB and EPA recognised laboratories, before and after the inspection conducted by joint team, copies of which are enclosed herewith for reference **as annexure-2**

- Flow chart of production of garment and ETP treatment Plant **annexure- 5**

All above stated facts and details clearly reveal that we are not defying any norms of lower BOD value in process influent and dilution of freshwater in ETP , maintaining the proper logbooks and obtaining of all required clearances from the concerned authorities and thus fully complying with your directions and all prescribed norms issued from time to time. As per details submitted above, you will appreciate that our unit has implemented the measures of cleaner technology and waste minimization practices as mentioned in "Charter for Water Recycling & Pollution Prevention in Garments Industries" issued by CPCB and also complying with all directions of Board. We request you to please not initiate any action against our unit as proposed in the above said show cause notice and request to kindly revoke and withdraw the show cause notice allowing us to continue our operations in alignment with the government's vision of facilitating business operations.

We reaffirm our commitment to adhering to environmental regulations and assure compliance with all applicable norms.

We hope the above submission is in order and look forward to your favourable consideration.

Thanking You,

Yours Faithfully,

(Authorized signatory)

For Globalwash Creation Pvt. Ltd.

Director

Dated30/01/2025

HARYANA STATE POLLUTION CONTROL BOARD
Plot No. 1, Sector-15, Part-II, Sonipat
Ph. - 0130-2236119, E-mail ID: - hspcbrosr@gmail.com

No. HSPCB/SR/2025/ 2799 Dated: 02/01/25

To

M/s GLOBALWASH CREATION PRIVATE LIMITED.
(Previously named as M/s R.D.Texo Fab Pvt. Ltd).,
PLOT NO 556 HSIIDC PH II, Barhi,
District Gannaur, Sonipat, Haryana

Sub: **Show Cause Notice for Closure under section 33-A of Water Act, 1974, prosecution action under section 43/44 of Water Act, 1974, revocation of consent u/s 27 of the Water (Prevention & Control of Pollution) Act, 1974 & u/s 21 (4) of the Air (Prevention and Control of Pollution) Act, 1981 and imposing environmental compensation as per order dated 22.12.2021.**

Whereas, the unit was inspected on 08.08.2024 by the Joint Team of CPCB and HSPCB in reference to OA No.622/2024 titled as Varun Gulati Vs State of Haryana & Ors. pending before Hob'ble NGT, New Delhi and the unit is involved in process of Pre-treatment, Dyeing, Washing, Finishing having CTO valid upto 30.09.2027.

Whereas, during inspection following deficiencies have been observed which need to be complied as per condition of CTO granted to the said unit:-

1. Effluent characteristics: as per analysis report is as below: -

Parameter	PETP inlet	PETP outlet	Prescribed discharge norms	Compliance w.r.t norms
pH	6.8	8.1	6.0-9.0	BOD at PETP inlet is too much lower against typical range of 700-1000 mg/l, indicating dilution at PETP inlet **Non-complying (Dilution)**
Color (Hazen)	131	BDL	-	
BOD (mg/l)	386	4	500	
COD (mg/l)	863	60	1400	
TSS (mg/l)	130	28	1500	
TDS (mg/l)	964	1004	2100	

2. As per the analysis result of sample collected from PETP inlet, BOD value found too much lower i.e., 386 mg/l against typical range of 700-1000 mg/l, indicating dilution at PETP inlet.

Recommendation of the Team:-

1. Operate PETP in such a way to comply with notified discharge norms

Therefore, you are hereby directed to show cause & explain within **15 days** as to why closure action may not be taken against your unit u/s 33-A Water (Prevention and Control of Pollution) Act, 1974, prosecution action under section 43/44 of Water (Prevention and Control of Pollution) Act, 1974 and revocation of consent u/s 27 of the Water (Prevention & Control of Pollution) Act, 1974 & u/s 21 (4) of the Air (Prevention and Control of Pollution) Act, 1981 besides initiation of legal action under the Acts for non-compliance of the relevant provisions of Environmental Acts/Rules/Laws.

In case you fail to reply/comply with the deficiencies mentioned above within above mentioned stipulated time period, it will be presumed that you have nothing to say in this regard and accept the status as mentioned above, which will warrant closure action against your unit under relevant Acts/ Rules besides initiation of legal action under the relevant Acts/Rules without giving any further notice.

Whereas, for the above said violations you are liable to pay the Environmental Compensation in terms of the directions of Board issued letter no. HSPCB/PLG/2021/2343-2350 dated 22.12.2021 as assessed by the Board as per methodology defined therein.

02/1/25

Regional Officer,
Sonepat Region.

Endst. No. HSPCB/SR/2025/ Dated: 13/1

A copy of the above is forwarded to the Chairman, HSPCB, Panchkula for information, please.

Regional Officer,
Sonepat Region.

Annexure-1

ChemCheck

P127OY93 | VELVETY 18 T

Chemicals to Zero: Prov. Progressive

ZDHC MRSL v3.1 Level 3 ★ ★ ★

Textile | Textile Finishing Assistants | Softening agents

This ZDHC ChemCheck™ report confirms, that the product has been certified against the ZDHC MRSL Version mentioned above.

Formulator Name:
B R Specialities LLP

Parent Organisation:
B.R. Specialities LLP

ZDHC ID:
A943YP13

Report Date:
24-08-2024 04:02 (UTC) Coordinated Universal Time

Report Expiration Date:
24-09-2024

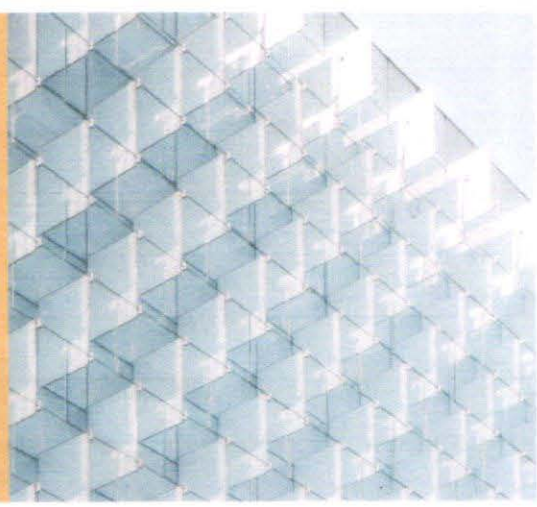
Address:
Plot No :- 407 , Phase - 1 , Barhi Textile Pa rk , HSIIDC , Barhi Sonipat - 131001 , Hary ana (India), Sonipat Haryana India

Contact:
Mohit Agarwal

Email Address:
operations@brs.net.in

Version:
ZDHC MRSL v3.1

Date Updated:
17-07-2024



Chemicals to Zero Conformance Levels

Foundational Level:
The Chemicals to Zero Foundational Level considers chemical products that are ZDHC MRSL Conformance Level 1, 2 or 3 as described in the ZDHC MRSL Conformance Guidance.

Provisionally Progressive Level:
The Chemicals to Zero Progressive Level considers chemical products that meet the requirements of ZDHC MRSL Level 2 (at least) or Level 3 and are expected to respect the AFIRM RSL limits in articles, when applied accordingly to the chemical formulators instructions.

Expired Level:
Products that have expired from a Chemicals to Zero - Level as a consequence of an expired ZDHC MRSL Conformance certificate.

Find more information about Chemicals to Zero here.

Report expiration date:
Report expiration date is either the date of expiration of the Formulator's Gateway subscription OR the date of expiration of the certificate reflecting the ZDHC MRSL Conformance and the Chemicals to Zero Conformance on this report - whichever is earlier.

ZDHC MRSL v3.1 Conformance Levels

★	Level 1	Document review of SDS for information relevant to ZDHC MRSLv3.1 and testing of the formulation which includes screening and analytical testing or only analytical testing.
★ ★	Level 2	Onsite assessment of management systems plus evidence that ZDHC MRSL v3.1 Level 1 principles of analytical evaluation for ZDHC MRSL conformance are fulfilled.
★ ★ ★	Level 3	Chemical hazard assessment capability plus evidence that ZDHC MRSL v3.1 Level 1 and ZDHC MRSL v3.1 Level 2 principles for ZDHC MRSL conformance are fulfilled.
	Expired	Products that have expired from ZDHC MRSL v3.1 conformance.

Find more information about ZDHC MRSL Conformance here.

3rd Party Certificates

Certification Standard	Certification Issued By	Issue Date	Expiration Date	Conformance Levels
OEKO-TEX® Service GmbH ECO PASSPORT - Level 3	OEKO-TEX® Service GmbH	01-Jul-2024	30-Jun-2025	ZDHC MRSL v3.1 ★ ★ ★ Chemicals to Zero: Prov. Progressive

ChemCheck

P964HK94 | Velvety 44 T

Chemicals to Zero: Prov. Progressive

ZDHC MRSL v3.1 Level 3 ★ ★ ★

Textile | Textile Finishing Assistants | Softening agents

This ZDHC ChemCheck™ report confirms, that the product has been certified against the ZDHC MRSL Version mentioned above.

Formulator Name:
B R Specialities LLP

Parent Organisation:
B.R. Specialities LLP

ZDHC ID:
A943YP13

Report Date:
24-08-2024 05:21 (UTC) Coordinated Universal Time

Report Expiration Date:
24-09-2024

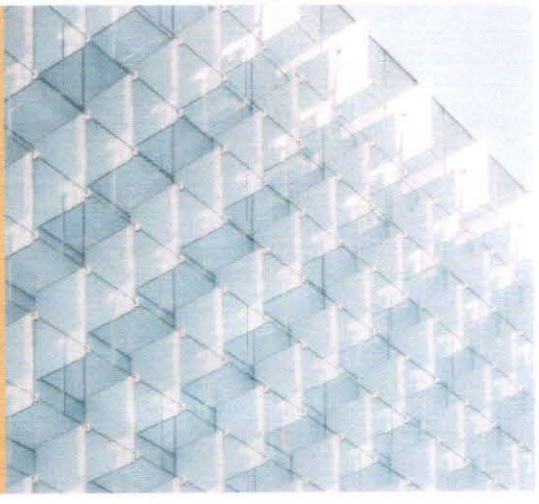
Address:
Plot No :- 407 , Phase - 1 , Barhi Textile Pa rk , HSIIDC , Barhi Sonipat - 131001 , Hary ana (India), Sonipat Haryana India

Contact:
Mohit Agarwal

Email Address:
operations@brs.net.in

Version:
ZDHC MRSL v3.1

Date Updated:
19-07-2024



Chemicals to Zero Conformance Levels

Foundational Level:
The Chemicals to Zero Foundational Level considers chemical products that are ZDHC MRSL Conformance Level 1, 2 or 3 as described in the ZDHC MRSL Conformance Guidance.

Provisionally Progressive Level:
The Chemicals to Zero Progressive Level considers chemical products that meet the requirements of ZDHC MRSL Level 2 (at least) or Level 3 and are expected to respect the AFIRM RSL limits in articles, when applied accordingly to the chemical formulators instructions.

Expired Level:
Products that have expired from a Chemicals to Zero - Level as a consequence of an expired ZDHC MRSL Conformance certificate.

Find more information about Chemicals to Zero here.

Report expiration date:
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ZDHC MRSL v3.1 Conformance Levels

★	Level 1	Document review of SDS for information relevant to ZDHC MRSLv3.1 and testing of the formulation which includes screening and analytical testing or only analytical testing.
★ ★	Level 2	Onsite assessment of management systems plus evidence that ZDHC MRSL v3.1 Level 1 principles of analytical evaluation for ZDHC MRSL conformance are fulfilled.
★ ★ ★	Level 3	Chemical hazard assessment capability plus evidence that ZDHC MRSL v3.1 Level 1 and ZDHC MRSL v3.1 Level 2 principles for ZDHC MRSL conformance are fulfilled.
	Expired	Products that have expired from ZDHC MRSL v3.1 conformance.

Find more information about ZDHC MRSL Conformance here.

3rd Party Certificates

Certification Standard	Certification Issued By	Issue Date	Expiration Date	Conformance Levels
OEKO-TEX® Service GmbH ECO PASSPORT - Level 3	OEKO-TEX® Service GmbH	01-Jul-2024	30-Jun-2025	ZDHC MRSL v3.1 ★ ★ ★ Chemicals to Zero: Prov. Progressive

ChemCheck

P429MQ72 | SPECIAL WHITE LT

Chemicals to Zero: Prov. Progressive

ZDHC MRSL v3.1 Level 3 ★ ★ ★

Textile | Pretreatment Agents | Bleaching auxiliaries

Other Name:

This ZDHC ChemCheck™ report confirms, that the product has been certified against the ZDHC MRSL Version mentioned above.

Formulator Name:
GARMON KEMIN TEXTILES

Parent Organisation:
GARMON KEMIN TEXTILES

ZDHC ID:
A749LT11

Report Date:
07-05-2024 13:55 (UTC) Coordinated Universal Time

Report Expiration Date:
30-04-2025

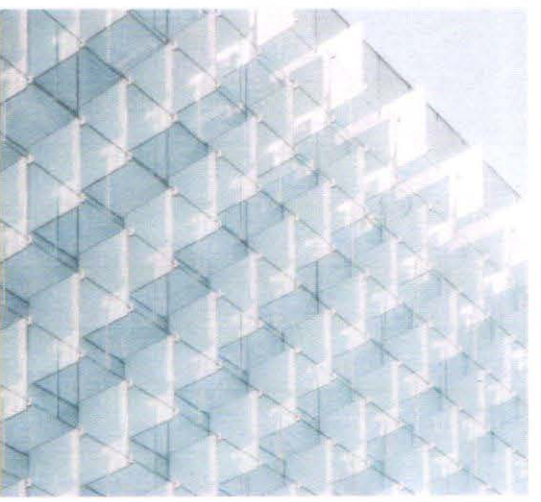
Address:
Strada Acquasalata 7D/E, Serravalle Serravalle San Marino

Contact:
Silvia Boneschi

Email Address:
silvia.boneschi@kemin.com

Version:
ZDHC MRSL v3.1

Date Updated:
18-12-2023



Chemicals to Zero Conformance Levels

Foundational Level:
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Provisionally Progressive Level:
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Expired Level:
Products that have expired from a Chemicals to Zero - Level as a consequence of an expired ZDHC MRSL Conformance certificate.

Find more information about Chemicals to Zero here.

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ZDHC MRSL v3.1 Conformance Levels

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★ ★	Level 2	Onsite assessment of management systems plus evidence that ZDHC MRSL v3.1 Level 1 principles of analytical evaluation for ZDHC MRSL conformance are fulfilled.
★ ★ ★	Level 3	Chemical hazard assessment capability plus evidence that ZDHC MRSL v3.1 Level 1 and ZDHC MRSL v3.1 Level 2 principles for ZDHC MRSL conformance are fulfilled.
	Expired	Products that have expired from ZDHC MRSL v3.1 conformance.

Find more information about ZDHC MRSL Conformance here.

ChemCheck

P678IE81 | SILKENSOFT VG119

Chemicals to Zero: Prov. Progressive

ZDHC MRSL v3.1 Level 3 ★ ★ ★

Textile | Textile Finishing Assistants | Softening agents

This ZDHC ChemCheck™ report confirms, that the product has been certified against the ZDHC MRSL Version mentioned above.

Formulator Name:
B.R Specialities LLP

Parent Organisation:
B.R. Specialities LLP

ZDHC ID:
A943YP13

Report Date:
24-08-2024 04:01 (UTC) Coordinated Universal Time

Report Expiration Date:
24-09-2024

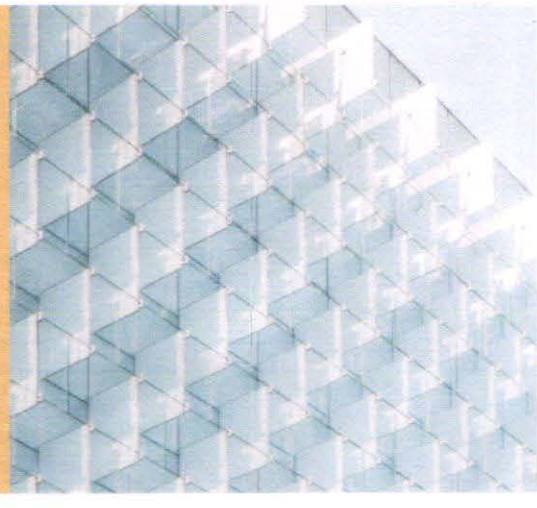
Address:
Plot No :- 407 , Phase - 1 , Barhi Textile Pa rk , HSIIDC , Barhi Sonipat - 131001 , Hary ana (India), Sonipat Haryana India

Contact:
Mohit Agarwal

Email Address:
operations@brs.net.in

Version:
ZDHC MRSL v3.1

Date Updated:
16-07-2024



Chemicals to Zero Conformance Levels

Foundational Level:
The Chemicals to Zero Foundational Level considers chemical products that are ZDHC MRSL Conformance Level 1, 2 or 3 as described in the ZDHC MRSL Conformance Guidance.

Provisionally Progressive Level:
The Chemicals to Zero Progressive Level considers chemical products that meet the requirements of ZDHC MRSL Level 2 (at least) or Level 3 and are expected to respect the AFIRM RSL limits in articles, when applied accordingly to the chemical formulators instructions.

Expired Level:
Products that have expired from a Chemicals to Zero - Level as a consequence of an expired ZDHC MRSL Conformance certificate.

Find more information about Chemicals to Zero here.

Report expiration date:
Report expiration date is either the date of expiration of the Formulator's Gateway subscription OR the date of expiration of the certificate reflecting the ZDHC MRSL Conformance and the Chemicals to Zero Conformance on this report - whichever is earlier.

ZDHC MRSL v3.1 Conformance Levels

★	Level 1	Document review of SDS for information relevant to ZDHC MRSLv3.1 and testing of the formulation which includes screening and analytical testing or only analytical testing.
★★	Level 2	Onsite assessment of management systems plus evidence that ZDHC MRSL v3.1 Level 1 principles of analytical evaluation for ZDHC MRSL conformance are fulfilled.
★★★	Level 3	Chemical hazard assessment capability plus evidence that ZDHC MRSL v3.1 Level 1 and ZDHC MRSL v3.1 Level 2 principles for ZDHC MRSL conformance are fulfilled.
	Expired	Products that have expired from ZDHC MRSL v3.1 conformance.

Find more information about ZDHC MRSL Conformance here.

3rd Party Certificates

Certification Standard	Certification Issued By	Issue Date	Expiration Date	Conformance Levels
OEKO-TEX® Service GmbH ECO PASSPORT - Level 3	OEKO-TEX® Service GmbH	01-Jul-2024	30-Jun-2025	ZDHC MRSL v3.1 ★★★ Chemicals to Zero: Prov. Progressive

scivera

Certificate of Assessment – Screened Chemistry version 3

Certificate Number:	202211-S143
Product Name:	SPECIAL WHITE LT
Supplier:	Kemin Textiles srl
Effective Date:	November 17, 2022
Expiration Date:	November 17, 2025

This Scivera Certificate of Assessment confirms that this product meets the following Screened Chemistry requirements:

- Full disclosure and assessment of all ingredients intentionally added and all impurities at greater than 0.01% (100 ppm)
- Contains no chemicals listed on the Zero Discharge of Hazardous Chemicals (ZDHC) – Manufacturing Restricted Substances list version 2.0
- Contains no intentional ingredients or applicable impurities that are Scivera Hazard Category Red

To confirm the validity of this certificate visit www.scivera.com/certificates
If any information is found to be inaccurate or incomplete, Scivera reserves the right to retract this certificate.
Formulator is responsible for reporting any changes to the formulation to Scivera.

Colleen E. McLoughlin, Ph.D., DABT, E.R.T.
Director, Toxicology

scivera

Certificate of Assessment – Screened Chemistry version 3

Certificate Number:	202211-S143
Product Name:	SPECIAL WHITE LT
Supplier:	Kemin Textiles srl
Effective Date:	November 17, 2022
Expiration Date:	November 17, 2025

This Scivera Certificate of Assessment confirms that this product meets the following Screened Chemistry requirements:

- Full disclosure and assessment of all ingredients intentionally added and all impurities at greater than 0.01% (100 ppm)
- Contains no chemicals listed on the Zero Discharge of Hazardous Chemicals (ZDHC) – Manufacturing Restricted Substances list version 2.0
- Contains no intentional ingredients or applicable impurities that are Scivera Hazard Category Red

To confirm the validity of this certificate visit www.scivera.com/certificates
If any information is found to be inaccurate or incomplete, Scivera reserves the right to retract this certificate.
Formulator is responsible for reporting any changes to the formulation to Scivera.

Colleen E. McLoughlin, Ph.D., DABT, E.R.T.
Director, Toxicology

ChemCheck

P314XL31 | Quantum GCL

Chemicals to Zero: Prov. Progressive

ZDHC MRSL v3.1 Level 3 ★ ★ ★

Textile | Textile Finishing Assistants | Softening agents

This ZDHC ChemCheck™ report confirms, that the product has been certified against the ZDHC MRSL Version mentioned above.

Formulator Name:
B R Specialities LLP

Parent Organisation:
B.R. Specialities LLP

ZDHC ID:
A943YP13

Report Date:
24-08-2024 05:09 (UTC) Coordinated Universal Time

Report Expiration Date:
24-09-2024

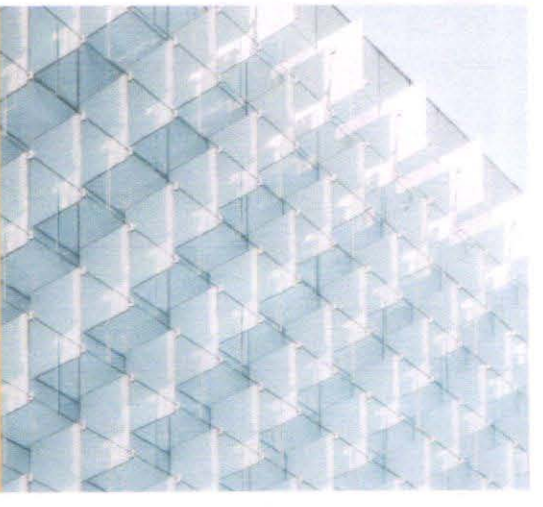
Address:
Plot No :- 407 , Phase - 1 , Barhi Textile Park , HSIIDC , Barhi Sonipat - 131001 , Haryana (India), Sonipat Haryana India

Contact:
Mohit Agarwal

Email Address:
operations@brs.net.in

Version:
ZDHC MRSL v3.1

Date Updated:
16-07-2024



Chemicals to Zero Conformance Levels

Foundational Level:
The Chemicals to Zero Foundational Level considers chemical products that are ZDHC MRSL Conformance Level 1, 2 or 3 as described in the ZDHC MRSL Conformance Guidance.

Provisionally Progressive Level:
The Chemicals to Zero Progressive Level considers chemical products that meet the requirements of ZDHC MRSL Level 2 (at least) or Level 3 and are expected to respect the AFIRM RSL limits in articles, when applied accordingly to the chemical formulators instructions.

Expired Level:
Products that have expired from a Chemicals to Zero - Level as a consequence of an expired ZDHC MRSL Conformance certificate.

Find more information about Chemicals to Zero here.

Report expiration date:
Report expiration date is either the date of expiration of the Formulator's Gateway subscription OR the date of expiration of the certificate reflecting the ZDHC MRSL Conformance and the Chemicals to Zero Conformance on this report - whichever is earlier.

ZDHC MRSL v3.1 Conformance Levels

★	Level 1	Document review of SDS for information relevant to ZDHC MRSLv3.1 and testing of the formulation which includes screening and analytical testing or only analytical testing.
★ ★	Level 2	Onsite assessment of management systems plus evidence that ZDHC MRSL v3.1 Level 1 principles of analytical evaluation for ZDHC MRSL conformance are fulfilled.
★ ★ ★	Level 3	Chemical hazard assessment capability plus evidence that ZDHC MRSL v3.1 Level 1 and ZDHC MRSL v3.1 Level 2 principles for ZDHC MRSL conformance are fulfilled.
	Expired	Products that have expired from ZDHC MRSL v3.1 conformance.

Find more information about ZDHC MRSL Conformance here.

3rd Party Certificates

Certification Standard	Certification Issued By	Issue Date	Expiration Date	Conformance Levels
OEKO-TEX® Service GmbH ECO PASSPORT - Level 3	OEKO-TEX® Service GmbH	01-Jul-2024	30-Jun-2025	ZDHC MRSL v3.1 ★ ★ ★ Chemicals to Zero: Prov. Progressive

ChemCheck

P409IL25 | QUANTUM FRESH 190

Chemicals to Zero: Prov. Progressive

ZDHC MRSL v3.1 Level 3 ★ ★ ★

Textile | Textile Finishing Assistants | Softening agents

This ZDHC ChemCheck™ report confirms, that the product has been certified against the ZDHC MRSL Version mentioned above.

Formulator Name:
B.R Specialities LLP

Parent Organisation:
B.R. Specialities LLP

ZDHC ID:
A943YP13

Report Date:
24-08-2024 05:19 (UTC) Coordinated Universal Time

Report Expiration Date:
24-09-2024

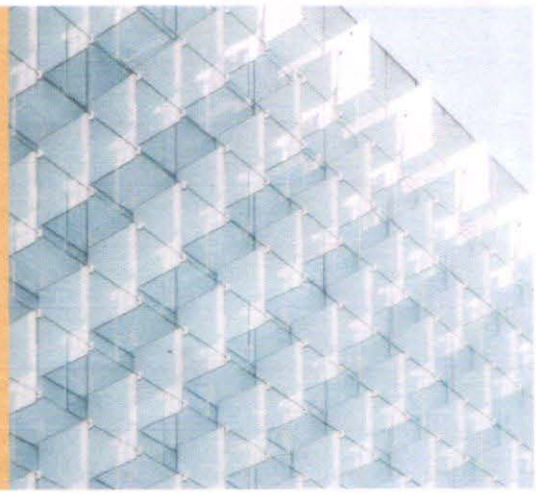
Address:
Plot No - 407 , Phase - 1 , Barhi Textile Pa rk , HSIIDC , Barhi Sonipat - 131001 , Hary ana (India), Sonipat Haryana India

Contact:
Mohit Agarwal

Email Address:
operations@brs.net.in

Version:
ZDHC MRSL v3.1

Date Updated:
19-07-2024



Chemicals to Zero Conformance Levels

Foundational Level:
The Chemicals to Zero Foundational Level considers chemical products that are ZDHC MRSL Conformance Level 1, 2 or 3 as described in the ZDHC MRSL Conformance Guidance.

Provisionally Progressive Level:
The Chemicals to Zero Progressive Level considers chemical products that meet the requirements of ZDHC MRSL Level 2 (at least) or Level 3 and are expected to respect the AFIRM RSL limits in articles, when applied accordingly to the chemical formulators instructions.

Expired Level:
Products that have expired from a Chemicals to Zero - Level as a consequence of an expired ZDHC MRSL Conformance certificate.

Find more information about Chemicals to Zero here.

Report expiration date:
Report expiration date is either the date of expiration of the Formulator's Gateway subscription OR the date of expiration of the certificate reflecting the ZDHC MRSL Conformance and the Chemicals to Zero Conformance on this report - whichever is earlier.

ZDHC MRSL v3.1 Conformance Levels

★	Level 1	Document review of SDS for information relevant to ZDHC MRSLv3.1 and testing of the formulation which includes screening and analytical testing or only analytical testing.
★★	Level 2	Onsite assessment of management systems plus evidence that ZDHC MRSL v3.1 Level 1 principles of analytical evaluation for ZDHC MRSL conformance are fulfilled.
★★★	Level 3	Chemical hazard assessment capability plus evidence that ZDHC MRSL v3.1 Level 1 and ZDHC MRSL v3.1 Level 2 principles for ZDHC MRSL conformance are fulfilled.
	Expired	Products that have expired from ZDHC MRSL v3.1 conformance.

Find more information about ZDHC MRSL Conformance here.

3rd Party Certificates

Certification Standard	Certification Issued By	Issue Date	Expiration Date	Conformance Levels
OEKO-TEX® Service GmbH ECO PASSPORT - Level 3	OEKO-TEX® Service GmbH	01-Jul-2024	30-Jun-2025	ZDHC MRSL v3.1 ★★★ Chemicals to Zero: Prov. Progressive

ChemCheck

P889WP44 | LAVA ZYME AEN 01

Chemicals to Zero: Foundational

ZDHC MRSL v3.1 Level 3 ★ ★ ★

Textile | Other Auxiliaries | Garment treatment agents

This ZDHC ChemCheck™ report confirms, that the product has been certified against the ZDHC MRSL Version mentioned above.

Formulator Name:
DyStar Singapore Pte. Ltd.

Parent Organisation:
DyStar Group

ZDHC ID:
A898SN71

Report Date:
28-07-2023 06:23 (UTC) Coordinated Universal Time

Address:
1A International Business Park, #10-01
, -- Singapore

Contact:
Fanny Vermandel

Email Address:
vermandel.fanny@dystar.com

Version:
ZDHC MRSL v3.1

Date Updated:
16-06-2023

Chemicals to Zero Conformance Levels

Foundational Level:
The Chemicals to Zero Foundational Level considers chemical products that are ZDHC MRSL Conformance Level 1, 2 or 3 as described in the ZDHC MRSL Conformance Guidance v2.0 document.

Progressive Level:
The Chemicals to Zero Progressive Level considers chemical products that meet the requirements of ZDHC MRSL Level 2 (at least) or Level 3 and are expected to respect the AFIRM RSL limits in articles, when applied accordingly to the chemical formulators instructions.

Expired:
Products with all its ZDHC MRSL certification's validity period already ended

Find more information about Chemicals to Zero here.

ZDHC MRSL Conformance Levels

	ZDHC MRSL v3.1	ZDHC MRSL v2.0
★ Level 1	Document review of SDS for information relevant to ZDHC MRSLv3.1 and testing of the formulation which includes screening and analytical testing or only analytical testing.	Passed a third-party review of documentation or an analytical test report where the data meet the QA and QC requirements in the MRSL Conformance Guidance to be accepted as evidence of conformance.
★★ Level 2	Onsite assessment of management systems plus evidence that ZDHC MRSL v3.1 Level 1 principles of analytical evaluation for ZDHC MRSL conformance are fulfilled.	All requirements for ZDHC MRSL v.2.0 Level 1 is passed and passed a review of the product stewardship practices of the chemical supplier by the third-party certifier.
★★★ Level 3	Chemical hazard assessment capability plus evidence that ZDHC MRSL v3.1 Level 1 and ZDHC MRSL v3.1 Level 2 principles for ZDHC MRSL conformance are fulfilled.	All requirements for ZDHC MRSL v2.0 Level 2 passed and passed a site visit to the chemical formulator to evaluate their product stewardship first-hand.
Expired	Products that have expired from ZDHC MRSL v2.0 or ZDHC MRSL v3.1 Conformance.	

Find more information about ZDHC MRSL Conformance here.

ChemCheck

P109EY84 | GEOPOWER NPS

Chemicals to Zero: Prov. Progressive

ZDHC MRSL v3.1 Level 3 ★ ★ ★

Textile | Other Auxiliaries | Garment treatment agents

This ZDHC ChemCheck™ report confirms, that the product has been certified against the ZDHC MRSL Version mentioned above.

Formulator Name:
GARMON KEMIN TEXTILES

Parent Organisation:
GARMON KEMIN TEXTILES

ZDHC ID:
A749LT11

Report Date:
01-08-2024 08:05 (UTC) Coordinated Universal Time

Report Expiration Date:
30-04-2025

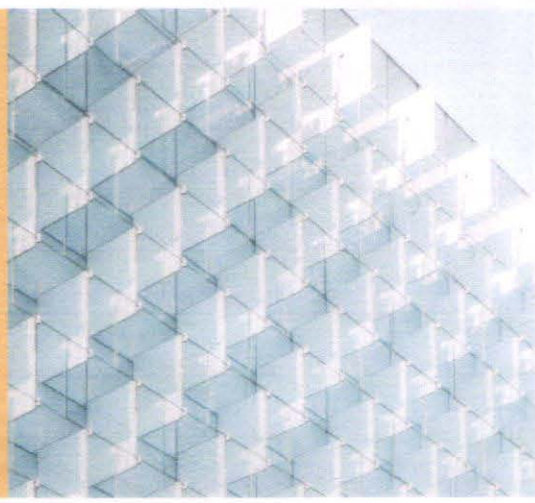
Address:
Strada Acquasalata 7D/E, Serravalle Serr avalle San Marino

Contact:
Silvia Boneschi

Email Address:
silvia.boneschi@kemin.com

Version:
ZDHC MRSL v3.1

Date Updated:
01-06-2024



Chemicals to Zero Conformance Levels

Foundational Level:
The Chemicals to Zero Foundational Level considers chemical products that are ZDHC MRSL Conformance Level 1, 2 or 3 as described in the ZDHC MRSL Conformance Guidance.

Provisionally Progressive Level:
The Chemicals to Zero Progressive Level considers chemical products that meet the requirements of ZDHC MRSL Level 2 (at least) or Level 3 and are expected to respect the AFIRM RSL limits in articles, when applied accordingly to the chemical formulators instructions.

Expired Level:
Products that have expired from a Chemicals to Zero - Level as a consequence of an expired ZDHC MRSL Conformance certificate.

Find more information about Chemicals to Zero here.

Report expiration date:
Report expiration date is either the date of expiration of the Formulator's Gateway subscription OR the date of expiration of the certificate reflecting the ZDHC MRSL Conformance and the Chemicals to Zero Conformance on this report - whichever is earlier.

ZDHC MRSL v3.1 Conformance Levels

★	Level 1	Document review of SDS for information relevant to ZDHC MRSLv3.1 and testing of the formulation which includes screening and analytical testing or only analytical testing.
★ ★	Level 2	Onsite assessment of management systems plus evidence that ZDHC MRSL v3.1 Level 1 principles of analytical evaluation for ZDHC MRSL conformance are fulfilled.
★ ★ ★	Level 3	Chemical hazard assessment capability plus evidence that ZDHC MRSL v3.1 Level 1 and ZDHC MRSL v3.1 Level 2 principles for ZDHC MRSL conformance are fulfilled.
	Expired	Products that have expired from ZDHC MRSL v3.1 conformance.

Find more information about ZDHC MRSL Conformance here.

3rd Party Certificates

Certification Standard	Certification Issued By	Issue Date	Expiration Date	Conformance Levels
bluesign® Technologies AG	bluesign® Technologies AG	25-May-2023	No Expiration Date	ZDHC MRSL v3.1 ★ ★ ★ Chemicals to Zero: Prov. Progressive

ChemCheck

P856KL70 | Acraconc TQPN

Chemicals to Zero: Prov. Progressive

ZDHC MRSL v3.1 Level 3 ★ ★ ★

Textile | Textile Finishing Assistants | Softening agents

This ZDHC ChemCheck™ report confirms, that the product has been certified against the ZDHC MRSL Version mentioned above.

Formulator Name:
B R Specialities LLP

Parent Organisation:
B.R. Specialities LLP

ZDHC ID:
A943YP13

Report Date:
24-08-2024 05:04 (UTC) Coordinated Universal Time

Report Expiration Date:
24-09-2024

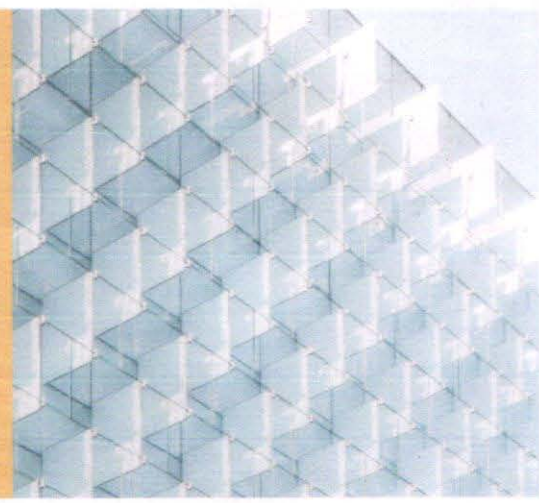
Address:
Plot No :- 407 , Phase - 1 , Barhi Textile Pa rk , HSIIDC , Barhi Sonipat - 131001 , Hary ana (India), Sonipat Haryana India

Contact:
Mohit Agarwal

Email Address:
operations@brs.net.in

Version:
ZDHC MRSL v3.1

Date Updated:
16-07-2024



Chemicals to Zero Conformance Levels

Foundational Level:
The Chemicals to Zero Foundational Level considers chemical products that are ZDHC MRSL Conformance Level 1, 2 or 3 as described in the ZDHC MRSL Conformance Guidance.

Provisionally Progressive Level:
The Chemicals to Zero Progressive Level considers chemical products that meet the requirements of ZDHC MRSL Level 2 (at least) or Level 3 and are expected to respect the AFIRM RSL limits in articles, when applied accordingly to the chemical formulators instructions.

Expired Level:
Products that have expired from a Chemicals to Zero - Level as a consequence of an expired ZDHC MRSL Conformance certificate.

Find more information about Chemicals to Zero here.

Report expiration date:
Report expiration date is either the date of expiration of the Formulator's Gateway subscription OR the date of expiration of the certificate reflecting the ZDHC MRSL Conformance and the Chemicals to Zero Conformance on this report - whichever is earlier.

ZDHC MRSL v3.1 Conformance Levels

★	Level 1	Document review of SDS for information relevant to ZDHC MRSLv3.1 and testing of the formulation which includes screening and analytical testing or only analytical testing.
★★	Level 2	Onsite assessment of management systems plus evidence that ZDHC MRSL v3.1 Level 1 principles of analytical evaluation for ZDHC MRSL conformance are fulfilled.
★★★	Level 3	Chemical hazard assessment capability plus evidence that ZDHC MRSL v3.1 Level 1 and ZDHC MRSL v3.1 Level 2 principles for ZDHC MRSL conformance are fulfilled.
	Expired	Products that have expired from ZDHC MRSL v3.1 conformance.

Find more information about ZDHC MRSL Conformance here.

3rd Party Certificates

Certification Standard	Certification Issued By	Issue Date	Expiration Date	Conformance Levels
OEKO-TEX® Service GmbH ECO PASSPORT - Level 3	OEKO-TEX® Service GmbH	01-Jul-2024	30-Jun-2025	ZDHC MRSL v3.1 ★★★ Chemicals to Zero: Prov. Progressive

ChemCheck

P678IE81 | SILKENSOFT VG119

Chemicals to Zero: Prov. Progressive

ZDHC MRSL v3.1 Level 3 ★ ★ ★

Textile | Textile Finishing Assistants | Softening agents

This ZDHC ChemCheck™ report confirms, that the product has been certified against the ZDHC MRSL Version mentioned above.

Formulator Name:
B.R.Specialities LLP

Parent Organisation:
B.R. Specialities LLP

ZDHC ID:
A943YP13

Report Date:
24-08-2024 04:01 (UTC) Coordinated Universal Time

Report Expiration Date:
24-09-2024

Address:
Plot No - 407 , Phase - 1 , Barhi Textile Park , HSIIDC , Barhi Sonipat - 131001 , Haryana (India), Sonipat Haryana India

Contact:
Mohit Agarwal

Email Address:
operations@brs.net.in

Version:
ZDHC MRSL v3.1

Date Updated:
16-07-2024

Chemicals to Zero Conformance Levels

Foundational Level:
The Chemicals to Zero Foundational Level considers chemical products that are ZDHC MRSL Conformance Level 1, 2 or 3 as described in the ZDHC MRSL Conformance Guidance.

Provisionally Progressive Level:
The Chemicals to Zero Progressive Level considers chemical products that meet the requirements of ZDHC MRSL Level 2 (at least) or Level 3 and are expected to respect the AFIRM RSL limits in articles, when applied accordingly to the chemical formulators instructions.

Expired Level:
Products that have expired from a Chemicals to Zero - Level as a consequence of an expired ZDHC MRSL Conformance certificate.

Find more information about Chemicals to Zero here.

Report expiration date:
Report expiration date is either the date of expiration of the Formulator's Gateway subscription OR the date of expiration of the certificate reflecting the ZDHC MRSL Conformance and the Chemicals to Zero Conformance on this report - whichever is earlier.

ZDHC MRSL v3.1 Conformance Levels

★	Level 1	Document review of SDS for information relevant to ZDHC MRSLv3.1 and testing of the formulation which includes screening and analytical testing or only analytical testing.
★ ★	Level 2	Onsite assessment of management systems plus evidence that ZDHC MRSL v3.1 Level 1 principles of analytical evaluation for ZDHC MRSL conformance are fulfilled.
★ ★ ★	Level 3	Chemical hazard assessment capability plus evidence that ZDHC MRSL v3.1 Level 1 and ZDHC MRSL v3.1 Level 2 principles for ZDHC MRSL conformance are fulfilled.
	Expired	Products that have expired from ZDHC MRSL v3.1 conformance.

Find more information about ZDHC MRSL Conformance here.

3rd Party Certificates

Certification Standard	Certification Issued By	Issue Date	Expiration Date	Conformance Levels
OEKO-TEX® Service GmbH ECO PASSPORT - Level 3	OEKO-TEX® Service GmbH	01-Jul-2024	30-Jun-2025	ZDHC MRSL v3.1 ★ ★ ★ Chemicals to Zero: Prog. Progressive

Annexure-2

HARYANA STATE

PREVENT POLLUTION

2599

TC-11156

FORM J
(See Rule 36)

Report No.:-435
Dated - July 08, 2024

I, hereby, certify that I Narender Hooda as Board Analyst, duly appointed under sub section (3) of section 53 of Water (Prevention and control of Pollution) Act, 1974(6 of 1974) received on the 29th day of June, 2024 from Sh. Ravinder Yadav, AEE, a sample of liquid trade effluent of M/s Globalwash Creation Pvt. Ltd., P. No.-556, Ph-II, HSIIDC, Barhi, Sonipat, collected on 28.06.2024 from the Inlet & Outlet of ETP for analysis. The Sample was in a condition fit for analysis reported below:-

I further certify that I have analyzed the afore-mentioned sample on 29/06/2024 to 08/07/2024 and declare the result of analysis to be as follow:-

Sr. No.	Parameter	Inlet of ETP	Outlet of ETP	Prescribed Limits	Test Method
1.	pH Value at 25°C	9.15	8.44	6.0-9.0	APHA 4500 H^+ B (24th Edition 2023)
2.	Conductivity µS/cm at 25°C	5390	2210	----	APHA 2510 B (24th Edition 2023)
3.	Total Suspended Solids mg/l	275	32	1500	APHA 2540 - D (24th Edition 2023)
4.	B.O.D (5 Days at 20^0 C) mg/l	88	18	500	APHA 5210-C (24th Edition 2023)
5.	Chemical Oxygen Demand mg/l	440	96	1400	APHA 5220-B (24th Edition 2023)
6.	Oil & Grease mg/l	17.4	BDL* (DL**=4)	10	APHA 5520-B (24th Edition 2023)
7.	Total Dissolved Solids mg/l	2160	1220	2100	APHA 2540-C (24th Edition 2023)

BDL* = Below Detection Limit
DL** = Detection Limit

The condition of the seals, fastening and container on receipt was as follow:
Container had its seals found intact in order; slip on the container had the signature of the representative of the industry and the board representative.

Signed this on **08th day of July, 2024**

Haryana State Pollution Control Board Laboratory,
Sector-16 A, Faridabad

Board Analyst

To

The Member Secretary, HSPCB, Panchkula/ Regional Office, HSPCB, Sonipat/ M/s Globalwash Creation Pvt. Ltd., P. No.-556, Ph-II, HSIIDC, Barhi, Sonipat

Endst. No. HSPCB/LAB/F/2024/ 9606 Dated: 08-07-24

This test report relate only to the particular sample submitted for testing

HARYANA STATE

PREVENT POLLUTION

FORM J
(See Rule 36)

Report No.:-435
Dated - July 08, 2024

I, hereby, certify that I Narender Hooda as Board Analyst, duly appointed under sub section (3) of section 53 of Water (Prevention and control of Pollution) Act, 1974(6 of 1974) received on the 29th day of June, 2024 from Sh. Ravinder Yadav, AEE, a sample of liquid trade effluent of M/s Globalwash Creation Pvt. Ltd., P. No.-556, Ph-II, HSIIDC, Barhi, Sonipat, collected on 28.06.2024 from the Inlet & Outlet of ETP for analysis. The Sample was in a condition fit for analysis reported below:-

I further certify that I have analyzed the afore-mentioned sample on 29/06/2024 to 08/07/2024 and declare the result of analysis to be as follow:-

Sr. No.	Parameter	Inlet of ETP	Outlet of ETP	Prescribed Limits	Test Method
1.	Colour	Bluish	Almost Colorless	----	----
2.	Odour	Bad	Almost Odourless	----	----
3.	Sulphide as S mg/l	7.6	0.8	1	IS 3025 (Part-29) :1986 (Reaffirmed 2003)
4.	SAR	32.48	5.56	26	----
5.	Ammonical Nitrogen as N mg/l	29.68	6.72	50	APHA 4500-N 24th Edition 2023
6.	Phenolic Compounds as C_6H_5OH mg/l	1.07	ND	1	IS 3025 (Part-43) Sec 1-2022
7.	Total Chromium as Cr mg/l	0.752	0.006	2	APHA 3500-Cr (B) (24th Edition 2023)

The condition of the seals, fastening and container on receipt was as follow:
Container had its seals found intact in order; slip on the container had the signature of the representative of the industry and the board representative.
Signed this on **08th day of July, 2024**

Haryana State Pollution Control Board Laboratory,
Sector-16 A, Faridabad

Board Analyst

To

The Member Secretary, HSPCB, Panchkula/ Regional Office, HSPCB, Sonipat/ M/s Globalwash Creation Pvt. Ltd., P. No.-556, Ph-II, HSIIDC, Barhi, Sonipat

Endst. No. HSPCB/LAB/F/2024/ 2606 Dated: 08-07-24

This test report relate only to the particular sample submitted for testing

Envirochem Testing & Consultancy LLP

(Formerly known as Envirochem Testing Lab & Research Centre)

(GOVT. APPROVED LAB)

(An ISO 9001 : 2015, ISO 14001 : 2015, ISO 45001 : 2018 Certified Lab)

Plot No. 165, 1st Floor, Sector-25, Part-II, HUDA, Panipat-132103, Hr.

M. : +91 90348 91129, 89501 75388

Email : envirochemtestinglab@gmail.com Web. : www.etlrc.com

TEST REPORT

Report No	ETL/ PNP/2309	Report Date	15.01.2025	Doc No.	ETL/QF/7.8/01
Issue to: **M/s Global Wash Creation Pvt Ltd** Plot.no-556,Phase-2,HSIIDC, Barhi, Ganaur,Sonipat (Haryana)-131101		**Party's Ref No:**Nil **Work Order No:** 242309 **Period of Testing:** 11.01.2025-15.01.2025			

SAMPLE PARTICULARS

1	Type of sample	:	**ETP INLET**
2	Date of sample collection/ received	:	11.01.2025
3	Purpose of analysis	:	Monitoring purpose
4	Sample collected/ supplied by	:	By lab Representative
5	Quantity of Sample	:	5 Litre

TEST RESULTS

Sr. No.	Parameters	Inlet	Protocol used
1	Colour	610	IS 3025 (P-4) 2021
2	pH	7.91	IS 3025 (P-11) 2022
3	Total Dissolved Solids, mg/L	2234	IS 3025 (P-16) 2023
4	Total Suspended Solids, mg/L	154	IS 3025 (P-17) 2022
5	Turbidity, NTU	< 1	IS 3025 (P-10) : 2023
6	M-Alkalinity (as $CaCO_3$), mg/l	366	IS 3025 (P-23) : 2023
7	P- Alkalinity (as $CaCO_3$), mg/l	< 0.6	IS 3025 (P-23) : 2023
8	Total Hardness (as $CaCO_3$), mg/l	413	IS 3025 (P-21) : 2009
9	Calcium Hardness (as Ca), mg/l	83.6	IS 3025 (P-40) :1998
10	Magnesium Hardness (as Mg), mg/l	50.8	IS 3025 (P-46) :2023
11	Chloride (as Cl) mg/l	246	IS 3025 (P-32) : 1988
12	Sulphate (as SO_4), mg/l	207	IS 3025 (P-24) : 2022
13	Iron (as Fe), mg/l	< 0.05	IS 3025 (P-53) : 2003
14	Colloidal Silica (as SiO_2), mg/l	21.9	IS 3025 (P-35) : 1988
15	Reactive Silica (as SiO_2), mg/l	11.6	IS 3025 (P-35) : 1988
16	COD, mg/L	745	IS 3025 (P-58) 2023
17	Biochemical Oxygen Demand at 27°C for 3 Days, mg/L	221	IS 3025 (P-44)1993
18	Fluoride (as F), mg/l	0.32	APHA 24th ED (P- 4500) 2023
19	Oil & Grease, mg/L	4.9	IS 3025 (P-39) 1991
20	Nitrate (as NO_3), mg/l	5.61	IS 3025 (P-34) : 2023
21	Electrical Conductivity, µmhos/cm	3136	IS 3025 (P-14) : 1984

Remarks :All parameters are covered under NABL Scope except sr. no. 6 &7

**********End Report**********

Verified By
Chemist

Authorized By
Er. Divya Bhatia

15-1-25

N O T E
1. Samples shall be disposed off after 15 days issue of test report unless specified.
2. Results listed above related to the tested samples, Endorsement of the same is neither inferred nor implemented.
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TEST REPORT

Report No	ETL/ PNP/2310	Report Date	15.01.2025	Doc No.	ETL/QF/7.8/01
Issue to: **M/s Global Wash Creation Pvt Ltd** Plot.no-556,Phase-2,HSIIDC, Barhi, Ganaur,Sonipat (Haryana)-131101		**Party's Ref No:Nil** **Work Order No:** 242310 **Period of Testing:** 11.01.2025-15.01.2025			

SAMPLE PARTICULARS			
1	Type of sample	:	**ETP OUTLET**
2	Date of sample collection/ received	:	11.01.2025
3	Purpose of analysis	:	Monitoring purpose
4	Sample collected/ supplied by	:	By lab Representative
5	Quantity of Sample	:	5 Litre

TEST RESULTS

Sr. No.	Parameters	Outlet	Protocol used
1	Colour	10	IS 3025 (P-4) 2021
2	pH	7.32	IS 3025 (P-11) 2022
3	Total Dissolved Solids, mg/L	1617	IS 3025 (P-16) 2023
4	Total Suspended Solids, mg/L	11	IS 3025 (P-17) 2022
5	Turbidity, NTU	< 1	IS 3025 (P-10) : 2023
6	M-Alkalinity (as $CaCO_3$), mg/l	278	IS 3025 (P-23) : 2023
7	P- Alkalinity (as $CaCO_3$), mg/l	< 0.6	IS 3025 (P-23) : 2023
8	Total Hardness (as $CaCO_3$), mg/l	309	IS 3025 (P-21) : 2009
9	Calcium Hardness (as Ca), mg/l	63.6	IS 3025 (P-40) :1998
10	Magnesium Hardness (as Mg), mg/l	37.3	IS 3025 (P-46) :2023
11	Chloride (as Cl) mg/l	202	IS 3025 (P-32) : 1988
12	Sulphate (as SO_4), mg/l	181	IS 3025 (P-24) : 2022
13	Iron (as Fe), mg/l	< 0.05	IS 3025 (P-53) : 2003
14	Colloidal Silica (as SiO_2), mg/l	8.47	IS 3025 (P-35) : 1988
15	Reactive Silica (as SiO_2), mg/l	3.2	IS 3025 (P-35) : 1988
16	COD, mg/L	58	IS 3025 (P-58) 2023
17	Biochemical Oxygen Demand at 27°C for 3 Days, mg/L	16.8	IS 3025 (P-44)1993
18	Fluoride (as F), mg/l	0.21	APHA 24th ED (P- 4500) 2023
19	Oil & Grease, mg/L	< 4	IS 3025 (P-39) 1991
20	Nitrate (as NO_3), mg/l	0.96	IS 3025 (P-34) : 2023
21	Electrical Conductivity, µmhos/cm	2281	IS 3025 (P-14) : 1984

Remarks : All parameters are covered under NABL Scope except sr. no. 6 &7

**********End Report**********

Verified By
Chemist

Authorized By
Er. Divya Bhatia

15-1-25

N O T E
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TEST REPORT

Report No	ETL/ PNP/1850	Report Date	21.12.2024	Doc No.	ETL/QF/7.8/01
Issue to: M/s Global Wash Creation Pvt Ltd Plot.no-556, Phase-2, HSIIDC, Barhi, Ganaur,Sonipat (Haryana)-131101		Party's Ref No: Nil Work Order No: 241850 Period of Testing: 17.12.2024-21.12.2024			

SAMPLE PARTICULARS			
1	Type of sample	:	ETP INLET
2	Date of sample collection/ received	:	17.12.2024
3	Purpose of analysis	:	Monitoring purpose
4	Sample collected/ supplied by	:	By lab Representative
5	Quantity of Sample	:	5 Litre

TEST RESULTS

Sr. No.	Parameters	Inlet	Protocol used
1	Colour	515	IS 3025 (P-4) 2021
2	pH	7.69	IS 3025 (P-11) 2022
3	Total Dissolved Solids, mg/L	1756	IS 3025 (P-16) 2023
4	Total Suspended Solids, mg/L	91	IS 3025 (P-17) 2022
5	Turbidity, NTU	< 1	IS 3025 (P-10) : 2023
6	M-Alkalinity (as $CaCO_3$), mg/l	369	IS 3025 (P-23) : 2023
7	P- Alkalinity (as $CaCO_3$), mg/l	< 0.05	IS 3025 (P-23) : 2023
8	Total Hardness (as $CaCO_3$), mg/l	221	IS 3025 (P-21) : 2009
9	Calcium Hardness (as Ca), mg/l	45.2	IS 3025 (P-40) :1998
10	Magnesium Hardness (as Mg), mg/l	26.9	IS 3025 (P-46) :2023
11	Chloride (as Cl) mg/l	212	IS 3025 (P-32) : 1988
12	Sulphate (as SO_4), mg/l	173	IS 3025 (P-24) : 2022
13	Iron (as Fe), mg/l	< 0.05	IS 3025 (P-53) : 2003
14	Colloidal Silica (as SiO_2), mg/l	18.9	IS 3025 (P-35) : 1988
15	Reactive Silica (as SiO_2), mg/l	7.3	IS 3025 (P-35) : 1988
16	COD, mg/L	412	IS 3025 (P-58) 2023
17	Biochemical Oxygen Demand at 27°C for 3 Days, mg/L	119	IS 3025 (P-44)1993
18	Fluoride (as F), mg/l	<0.1	APHA 24th Ed (P- 4500) 2023
19	Oil & Grease, mg/L	5.2	IS 3025 (P-39) 1991
20	Nitrate (as NO_3), mg/l	4.09	IS 3025 (P-34) : 2023
21	Electrical Conductivity, µmhos/cm	2491	IS 3025 (P-14) : 1984

Remarks : All parameters are covered under NABL Scope except sr. no. 6 &7

**********End Report**********

Verified By
Chemist

Authorized By
Er. Divya Bhatia 21-12-24

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TEST REPORT

Report No	ETL/ PNP/7932&TC6015240000001308F	Report Date	27.11.2024	Doc No.	ETL/QF/7.8/01

Issue to:
M/s Global Wash Creation Pvt Ltd
Plot.no-556,Phase-2,HSIIDC, Ganaur,
Sonipat (Haryana)-131101

Party's Ref No: As per Agreement
Work Order No: 8252
Period of Testing: 23.11.2024-27.11.2024

SAMPLE PARTICULARS

1	Type of sample	:	**ETP INLET**
2	Date of sample collection/ received	:	22.11.2024
3	Purpose of analysis	:	Monitoring purpose
4	Sample collected/ supplied by	:	By lab Representative
5	Quantity of Sample	:	5 Litre

TEST RESULTS

Sr. No.	Parameters	Inlet	Protocol used
1	Colour (Hazen)	560	IS 3025 (P-4): 2021
2	pH	6.88	IS 3025 (P-11): 2022
3	Total Dissolved Solids, mg/L	992	IS 3025 (P-16) :2023
4	Total Suspended Solids, mg/L	188	IS 3025 (P-17): 2022
5	Turbidity, NTU	58	IS 3025 (P-10): 2023
6	M-Alkalinity (as $CaCO_3$), mg/l	440	IS 3025 (P-23): 2023
7	P- Alkalinity (as $CaCO_3$), mg/l	< 0.6	IS 3025 (P-23): 2023
8	Total Hardness (as $CaCO_3$), mg/l	388	IS 3025 (P-21): 2009
9	Calcium Hardness (as Ca), mg/l	89.6	IS 3025 (P-40):1991
10	Magnesium Hardness (as Mg), mg/l	40.8	IS 3025 (P-46):2023
11	Chloride (as Cl) mg/l	190	IS 3025 (P-32): 1988
12	Sulphate (as SO_4), mg/l	153	IS 3025 (P-24): 2022
13	Iron (as Fe), mg/l	< 0.05	IS 3025 (P-53): 2003
14	Colloidal Silica (as SiO_2), mg/l	23.1	IS 3025 (P-35): 1988
15	Reactive Silica (as SiO_2), mg/l	8.4	IS 3025 (P-35): 1988
16	Chemical Oxygen Demand (COD), mg/l	711	IS 3025 (P-58): 2023
17	Biochemical Oxygen Demand at 27°C for 3 Days, mg/L	226	IS 3025 (P-44): 2023
18	Fluoride (as F), mg/l	<0.1	IS 3025 (P-60): 2008
19	Oil & Grease, mg/L	3.2	IS 3025 (P-39): 2021
20	Nitrate (as NO_3), mg/l	0.29	IS 3025 (P-34): 1988
21	Electrical Conductivity, µmhos/cm	1439	IS 3025 (P-14): 1984

*********End Report*********

Reviewed By
Bilal (Chemist)

Verified By
Neha Singh (T.M)

Authorised By
Dr. Rajender Kumar

NOTE
1. Samples shall be disposed off after 15 days issue of test report unless specified.
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TEST REPORT

Report No	ETL/ PNP/54864	Report Date	22.10.2024	Doc No.	ETL/QF/7.8/01

Issue to:
M/s Global Wash Creation Pvt Ltd
Plot.no-556,Phase-2,HSIIDC, Barhi,
Ganaur,Sonipat (Haryana)-131101

Party's Ref No:Nil
Work Order No: 40866
Period of Testing: 18.10.2024-22.10.2024

SAMPLE PARTICULARS

1	Type of sample	:	ETP OUTLET
2	Date of sample collection/ received	:	18.10.2024
3	Purpose of analysis	:	Monitoring purpose
4	Sample collected/ supplied by	:	By lab Representative
5	Quantity of Sample	:	5 Litre

TEST RESULTS

Sr. No.	Parameters	Outlet	Protocol used
1	Colour	10	IS 3025 (P-4) 2021
2	pH	7.63	IS 3025 (P-11) 2022
3	Total Dissolved Solids, mg/L	1612	IS 3025 (P-16) 2023
4	Total Suspended Solids, mg/L	6	IS 3025 (P-17) 2022
5	Turbidity, NTU	< 1	IS 3025 (P-10) : 2023
6	M-Alkalinity (as $CaCO_3$), mg/l	387	IS 3025 (P-23) : 2023
7	P- Alkalinity (as $CaCO_3$), mg/l	< 0.6	IS 3025 (P-23) : 2023
8	Total Hardness (as $CaCO_3$), mg/l	291	IS 3025 (P-21) : 2009
9	Calcium Hardness (as Ca), mg/l	60.4	IS 3025 (P-40) :1998
10	Magnesium Hardness (as Mg), mg/l	34.4	IS 3025 (P-46) 2023
11	Chloride (as Cl) mg/l	163	IS 3025 (P-32) 1988
12	Sulphate (as SO_4), mg/l	121	IS 3025 (P-24) 2022
13	Iron (as Fe), mg/l	< 0.05	IS 3025 (P-53) : 2003
14	Colloidal Silica (as SiO_2), mg/l	13.8	IS 3025 (P-35) : 1988
15	Reactive Silica (as SiO_2), mg/l	5.9	IS 3025 (P-35) : 1988
16	COD, mg/L	25.0	IS 3025 (P-58) 2023
17	Biochemical Oxygen Demand at 27°C for 3 Days, mg/L	8.3	IS 3025 (P-44)1993
18	Fluoride (as F), mg/l	<0.1	APHA 24th ED (P- 4500) 2023
19	Oil & Grease, mg/L	< 4	IS 3025 (P-39) 1991
20	Nitrate (as NO_3), mg/l	1.89	IS 3025 (P-34) : 2023
21	Electrical Conductivity, µmhos/cm	2309	IS 3025 (P-14) 1984

Remarks :All parameters are covered under NABL Scope except sr. no. 6 &7

*********End Report*********

Verified By
Chemist

Authorized By 22-10-
Er. Divya Bhatia

NOTE
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TEST REPORT

Report No	ETL/ PNP/54863	Report Date	22.10.2024	Doc No.	ETL/QF/7.8/01

Issue to:
M/s Global Wash Creation Pvt Ltd
Plot.no-556,Phase-2,HSIIDC, Barhi,
Ganaur,Sonipat (Haryana)-131101

Party's Ref No:Nil
Work Order No: 40865
Period of Testing: 18.10.2024-22.10.2024

SAMPLE PARTICULARS

1	Type of sample	:	ETP INLET
2	Date of sample collection/ received	:	18.10.2024
3	Purpose of analysis	:	Monitoring purpose
4	Sample collected/ supplied by	:	By lab Representative
5	Quantity of Sample	:	5 Litre

TEST RESULTS

Sr. No.	Parameters	Inlet	Protocol used
1	Colour	575	IS 3025 (P-4) 2021
2	pH	7.91	IS 3025 (P-11) 2022
3	Total Dissolved Solids, mg/L	2148	IS 3025 (P-16) 2023
4	Total Suspended Solids, mg/L	112	IS 3025 (P-17) 2022
5	Turbidity, NTU	< 1	IS 3025 (P-10) 2023
6	M-Alkalinity (as $CaCO_3$), mg/l	503	IS 3025 (P-23) : 2023
7	P- Alkalinity (as $CaCO_3$), mg/l	< 0.6	IS 3025 (P-23) : 2023
8	Total Hardness (as $CaCO_3$), mg/l	324	IS 3025 (P-21) : 2009
9	Calcium Hardness (as Ca), mg/l	67.6	IS 3025 (P-40) :1998
10	Magnesium Hardness (as Mg), mg/l	38.6	IS 3025 (P-46) :2023
11	Chloride (as Cl) mg/l	264	IS 3025 (P-32) : 1988
12	Sulphate (as SO_4), mg/l	219	IS 3025 (P-24) : 2022
13	Iron (as Fe), mg/l	< 0.05	IS 3025 (P-53) : 2003
14	Colloidal Silica (as SiO_2), mg/l	29.2	IS 3025 (P-35) : 1988
15	Reactive Silica (as SiO_2), mg/l	14.7	IS 3025 (P-35) : 1988
16	COD, mg/L	605	IS 3025 (P-58) 2023
17	Biochemical Oxygen Demand at 27°C for 3 Days, mg/L	188	IS 3025 (P-44)1993
18	Fluoride (as F), mg/l	0.31	APHA 24th ED (P- 4500) 2023
19	Oil & Grease, mg/L	4.6	IS 3025 (P-39) 1991
20	Nitrate (as NO_3), mg/l	4.63	IS 3025 (P-34) : 2023
21	Electrical Conductivity, µmhos/cm	3112	IS 3025 (P-14) : 1984

Remarks : All parameters are covered under NABL Scope except sr. no. 6 &7

**********End Report**********

Verified By
Chemist

Authorized
Er. Divya Bh

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TEST REPORT

Report No	ETL/ PNP/53164	Report Date	20.08.2024	Doc No.	ETL/QF/7.8/01
Issue to: M/s Global Wash Creation Pvt Ltd Plot no-556,Phase-2,HSIIDC, Barhi, Ganaur,Sonipat (Haryana)-131101		Party's Ref No:Nil Work Order No: 39166 Period of Testing: 16.08.2024-20.08.2024			

SAMPLE PARTICULARS			
1	Type of sample	:	ETP OUTLET
2	Date of sample collection/ received	:	16.08.2024
3	Purpose of analysis	:	Monitoring purpose
4	Sample collected/ supplied by	:	By lab Representative
5	Quantity of Sample	:	5 Litre

TEST RESULTS

Sr. No.	Parameters	Outlet	Protocol used
1	Colour	10	IS 3025 (P-4) 2021
2	pH	7.26	IS 3025 (P-11) 2022
3	Total Dissolved Solids, mg/L	1404	IS 3025 (P-16) 2023
4	Total Suspended Solids, mg/L	6	IS 3025 (P-17) 2022
5	Turbidity, NTU	< 1	IS 3025 (P-10) 2023
6	M-Alkalinity (as $CaCO_3$), mg/l	311	IS 3025 (P-23) 2023
7	P- Alkalinity (as $CaCO_3$), mg/l	< 0.6	IS 3025 (P-23) 2023
8	Total Hardness (as $CaCO_3$), mg/l	204	IS 3025 (P-21) 2023
9	Calcium Hardness (as Ca), mg/l	42.4	IS 3025 (P-40) 1988
10	Magnesium Hardness (as Mg), mg/l	24.4	IS 3025 (P-46) 2023
11	Chloride (as Cl) mg/l	171	IS 3025 (P-32) 1988
12	Sulphate (as SO_4), mg/l	143	IS 3025 (P-24) 2022
13	Iron (as Fe), mg/l	< 0.05	IS 3025 (P-53) 2003
14	Colloidal Silica (as SiO_2), mg/l	12.3	IS 3025 (P-35) 1988
15	Reactive Silica (as SiO_2), mg/l	4.1	IS 3025 (P-35) 1988
16	COD, mg/L	25.8	IS 3025 (P-58) 2023
17	Biochemical Oxygen Demand at 27°C for 3 Days, mg/l.	12.2	IS 3025 (P-44) 1993
18	Fluoride (as F), mg/l	< 0.1	APHA 24th Edition 4500-2023
19	Oil & Grease, mg/L	< 4	IS 3025 (P-39) 1991
20	Nitrate (as NO_3), mg/l	1.09	IS 3025 (P-34) 2023
21	Electrical Conductivity, µmhos/cm	1984	IS 3025 (P-14) 1984

Remarks : All parameters are covered under NABL Scope except sr. no. 6 & 7

**********End Report**********

Verified By
Chemist

20.08.2024

Authorized By
Neha Singh

NOTE
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TEST REPORT

Report No.	ETL/ PNP/53163	Report Date	20.08.2024	Doc No.	ETL/QF/7.8/01
Issue to: M/s Global Wash Creation Pvt Ltd Plot.no-556,Phase-2,HSIIDC, Barhi, Ganaur,Sonipat (Haryana)-131101		Party's Ref No:Nil Work Order No: 39165 Period of Testing: 16.08.2024-20.08.2024			

SAMPLE PARTICULARS			
1	Type of sample	:	ETP INLET
2	Date of sample collection/ received	:	16.08.2024
3	Purpose of analysis	:	Monitoring purpose
4	Sample collected/ supplied by	:	By lab Representative
5	Quantity of Sample	:	5 Litre

TEST RESULTS

Sr. No.	Parameters	Inlet	Protocol used
1	Colour	490	IS 3025 (P-4) 2021
2	pH	7.82	IS 3025 (P-11) 2022
3	Total Dissolved Solids, mg/L	1966	IS 3025 (P-16) 2023
4	Total Suspended Solids, mg/L	82	IS 3025 (P-17) 2022
5	Turbidity, NTU	< 1	IS 3025 (P-10) : 2023
6	M-Alkalinity (as $CaCO_3$), mg/l	470	IS 3025 (P-23) : 2023
7	P- Alkalinity (as $CaCO_3$), mg/l	< 0.6	IS 3025 (P-23) : 2023
8	Total Hardness (as $CaCO_3$), mg/l	394	IS 3025 (P-21) : 2009
9	Calcium Hardness (as Ca), mg/l	60.3	IS 3025 (P-40) :1998
10	Magnesium Hardness (as Mg), mg/l	48	IS 3025 (P-46) :2023
11	Chloride (as Cl) mg/l	226	IS 3025 (P-32) : 1988
12	Sulphate (as SO_4), mg/l	188	IS 3025 (P-24) : 2022
13	Iron (as Fe), mg/l	< 0.05	IS 3025 (P-53) : 2003
14	Colloidal Silica (as SiO_2), mg/l	26.3	IS 3025 (P-35) : 1988
15	Reactive Silica (as SiO_2), mg/l	14.7	IS 3025 (P-35) : 1988
16	COD, mg/L	250	IS 3025 (P-58) 2023
17	Biochemical Oxygen Demand at 27°C for 3 Days, mg/L	112	IS 3025 (P-44)1993
18	Fluoride (as F), mg/l	<0.1	APHA 24th ED (P- 4500) 2023
19	Oil & Grease, mg/L	4.2	IS 3025 (P-39) 1991
20	Nitrate (as NO_3), mg/l	3.96	IS 3025 (P-34) : 2023
21	Electrical Conductivity, µmhos/cm	2748	IS 3025 (P-14) : 1984

Remarks :All parameters are covered under NABL Scope except sr. no. 6 &7

**********End Report**********

Verified By
Chemist

Authorized By
Er. Divya Bhatia

NOTE
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Envirochem Testing & Consultancy LLP

(Formerly known as Envirochem Testing Lab & Research Centre)

(GOVT. APPROVED LAB)

(An ISO 9001 : 2015, ISO 14001 : 2015, ISO 45001 : 2018 Certified Lab)

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Email : envirochemtestinglab@gmail.com Web. : www.etlrc.com

TEST REPORT

Report No	ETL/ PNP/52905	Report Date	23.07.2024	Doc No.	ETL/QF/7.8/01
Issue to: M/s Global Wash Creation Pvt Ltd Plot.no-556,Phase-2,HSIIDC, Ganaur, Sonipat (Haryana)-131101		Party's Ref No: As per Agreement Work Order No: 38907 B Period of Testing: 18.07.2024-23.07.2024			

SAMPLE PARTICULARS			
1	Type of sample	:	ETP OUTLET
2	Date of sample collection/ received	:	18.07.2024
3	Purpose of analysis	:	Monitoring purpose
4	Sample collected/ supplied by	:	By lab Representative
5	Quantity of Sample	:	5 Litre

TEST RESULTS

Sr. No.	Parameters	Outlet	Protocol used
1	pH	8.24	IS 3025 (P-11) 1983
2	Total Dissolved Solids, mg/L	926	IS 3025 (P-16) 1984
3	Total Suspended Solids, mg/L	40	IS 3025 (P-17) 1984
4	Turbidity, NTU	< 1	IS 3025 (P-10) : 1984
5	M-Alkalinity (as $CaCO_3$), mg/l	376.3	IS 3025 (P-23) : 1998
6	P- Alkalinity (as $CaCO_3$), mg/l	5.13	IS 3025 (P-23) : 1998
7	Total Hardness (as $CaCO_3$), mg/l	108.5	IS 3025 (P-21) : 2009
8	Calcium Hardness (as Ca), mg/l	22.2	IS 3025 (P-40) :1998
9	Magnesium Hardness (as Mg), mg/l	13.2	IS 3025 (P-46) :1994
10	Chloride (as Cl) mg/l	198	IS 3025 (P-32) : 1993
11	Sulphate (as SO_4), mg/l	22.9	IS 3025 (P-24) : 1986
12	Iron (as Fe), mg/l	ND	IS 3025 (P-53) : 2003
13	Colloidal Silica (as SiO_2), mg/l	26.1	IS 3025 (P-35) : 1988
14	Reactive Silica (as SiO_2), mg/l	7.8	IS 3025 (P-35) : 1988
15	Appearance	Colourless	IS 3025 (P-4) 1983
16	COD, mg/L	18.7	IS 3025 (P-58) 2006
17	Biochemical Oxygen Demand at 27°C for 3 Days, mg/L	4.6	IS 3025 (P-44)1993
18	Fluoride (as F), mg/l	<0.1	APHA Method
19	Oil & Grease, mg/L	<1	IS 3025 (P-39) 1991
20	Nitrate (as NO_3), mg/l	0.74	IS 3025 (P-34) : 1988
21	Electrical Conductivity, µmhos/cm	1936	IS 3025 (P-14) : 1984

Remarks : ND Not Detectable

*********End Report*********

Verified By
Sourav

Authorized By
Neha Singh

23-07-2024

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TEST REPORT

Report No	ETL/ PNP/52905	Report Date	23.07.2024	Doc No.	ETL/QF/7.8/01

Issue to:
M/s Global Wash Creation Pvt Ltd
Plot.no-556,Phase-2,HSIIDC, Ganaur,
Sonipat (Haryana)-131101

Party's Ref No: As per Agreement
Work Order No: 38907 A
Period of Testing: 18.07.2024-23.07.2024

SAMPLE PARTICULARS

1	Type of sample	:	ETP INLET
2	Date of sample collection/ received	:	18.07.2024
3	Purpose of analysis	:	Monitoring purpose
4	Sample collected/ supplied by	:	By lab Representative
5	Quantity of Sample	:	5 Litre

TEST RESULTS

Sr. No.	Parameters	Inlet	Protocol used
1	pH	7.40	IS 3025 (P-11) 1983
2	Total Dissolved Solids, mg/L	2074	IS 3025 (P-16) 1984
3	Total Suspended Solids, mg/L	87	IS 3025 (P-17) 1984
4	Turbidity, NTU	< 1	IS 3025 (P-10) : 1984
5	M-Alkalinity (as $CaCO_3$), mg/l	ND	IS 3025 (P-23) : 1998
6	P- Alkalinity (as $CaCO_3$), mg/l	ND	IS 3025 (P-23) : 1998
7	Total Hardness (as $CaCO_3$), mg/l	86	IS 3025 (P-21) : 2009
8	Calcium Hardness (as Ca), mg/l	21.7	IS 3025 (P-40) :1998
9	Magnesium Hardness (as Mg), mg/l	8.10	IS 3025 (P-46) :1994
10	Chloride (as Cl) mg/l	970	IS 3025 (P-32) : 1993
11	Sulphate (as SO_4), mg/l	81	IS 3025 (P-24) : 1986
12	Iron (as Fe), mg/l	0.5	IS 3025 (P-53) : 2003
13	Colloidal Silica (as SiO_2), mg/l	28.2	IS 3025 (P-35) : 1988
14	Reactive Silica (as SiO_2), mg/l	11.4	IS 3025 (P-35) : 1988
15	Appearance	Blue	IS 3025 (P-4) 1983
16	COD, mg/L	422.4	IS 3025 (P-58) 2006
17	Biochemical Oxygen Demand at 27°C for 3 Days, mg/L	105.2	IS 3025 (P-44)1993
18	Fluoride (as F), mg/l	<0.1	IS 3025 (P-60)2008
19	Oil & Grease, mg/L	2.6	IS 3025 (P-39) 1991
20	Nitrate (as NO_3), mg/l	0.45	IS 3025 (P-34) : 1988
21	Electrical Conductivity, µmhos/cm	3990	IS 3025 (P-14) : 1984

Remarks : ND Not Detectable

*********End Report*********

Verified By
Sourav

Authorized By
Neha Singh
23-07-2024

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Email : envirochemtestinglab@gmail.com Web. : www.etlrc.com

TEST REPORT

Report No	ETL/ PNP/51848	Report Date	12.06.2024	Doc No.	ETL/QF/7.8/01
Issue to: **M/s Global Wash Creation Pvt Ltd** Plot.no-556,Phase-2,HSIIDC, Ganaur, Sonipat (Haryana)-131101		**Party's Ref No:** As per Agreement **Work Order No:** 37850 **Period of Testing:** 08.06.2024-12.06.2024			

SAMPLE PARTICULARS			
1	Type of sample	:	ETP INLET & OUTLET
2	Date of sample collection/ received	:	08.06.2024
3	Purpose of analysis	:	Monitoring purpose
4	Sample collected/ supplied by	:	By lab Representative
5	Quantity of Sample	:	5 Litre

TEST RESULTS

Sr. No.	Parameters	Inlet	Outlet	Protocol used
1	Colour	561	10	IS 3025 (P-4) 2021
2	pH	7.47	7.28	IS 3025 (P-11) 2022
3	Total Dissolved Solids, mg/L	1742	1549	IS 3025 (P-16) 2023
4	Total Suspended Solids, mg/L	102	4	IS 3025 (P-17) 2022
5	Turbidity, NTU	41	1.3	IS 3025 (P-10) : 2023
6	M-Alkalinity (as $CaCO_3$), mg/l	448	401	IS 3025 (P-23) : 2023
7	P- Alkalinity (as $CaCO_3$), mg/l	< 0.6	< 0.6	IS 3025 (P-23) : 2023
8	Total Hardness (as $CaCO_3$), mg/l	312	284	IS 3025 (P-21) : 2009
9	Calcium Hardness (as Ca), mg/l	64	58.4	IS 3025 (P-40) :1998
10	Magnesium Hardness (as Mg), mg/l	37.8	34.4	IS 3025 (P-46) :2023
11	Chloride (as Cl) mg/l	281	238	IS 3025 (P-32) : 1988
12	Sulphate (as SO_4), mg/l	221	201	IS 3025 (P-24) : 2022
13	Iron (as Fe), mg/l	< 0.05	< 0.05	IS 3025 (P-53) : 2003
14	Colloidal Silica (as SiO_2), mg/l	39.7	14.4	IS 3025 (P-35) : 1988
15	Reactive Silica (as SiO_2), mg/l	21.8	7.1	IS 3025 (P-35) : 1988
16	COD, mg/L	798	36	IS 3025 (P-58) 2023
17	Biochemical Oxygen Demand at 27°C for 3 Days, mg/L	231	9.9	IS 3025 (P-44) 1993
18	Fluoride (as F), mg/l	0.24	0.19	APHA 24th ED (P- 4500) 2023
19	Oil & Grease, mg/L	< 4	< 4	IS 3025 (P-39) 1991
20	Nitrate (as NO_3), mg/l	4.17	2.16	IS 3025 (P-34) : 2023
21	Electrical Conductivity, µmhos/cm	2418	2198	IS 3025 (P-14) : 1984

Remarks :All parameters are covered under NABL Scope except sr. no. 6 &7

*********End Report*********

Verified By
Chemist

Authorized By
Neha Singh
12.06.2024

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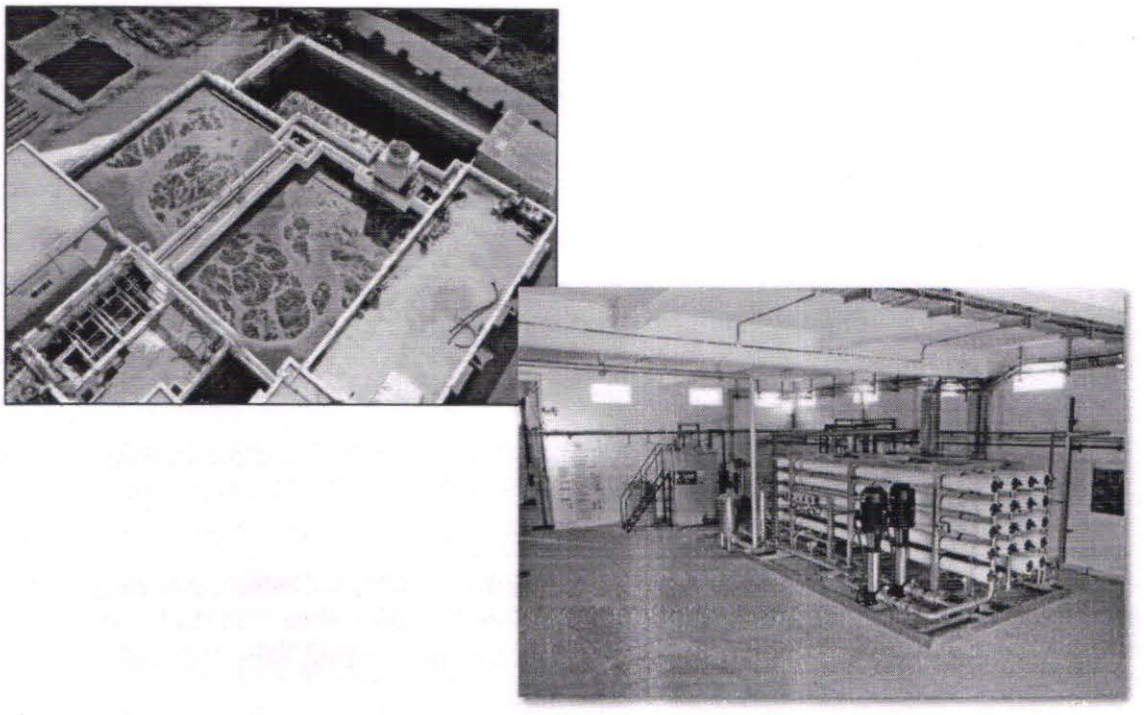
Annexure-3

ZERO LIQUID DISCHARGE

WaterNext SOLUTIONS

ITALY INDIA MEXICO

GLOBALWASH CREATION PVT LTD, DELHI, INDIA



TECHMICAL CONCEPT OF WASTE WATER TREATMENT PLANT

PLANT TYPE	WWTP – Advanced Biological with MBR
FLOW	500 mcd
COD	COD 800 ppm
DATE	5th March, 2023

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TÜV SÜD ISO 14001

ZERO LIQUID DISCHARGE

WaterNext SOLUTIONS

ITALY INDIA MEXICO

TECHNICAL CONCEPT

ZERO LIQUID DISCHARGE

WaterNext SOLUTIONS

ITALY INDIA MEXICO

INDEX

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TÜV SÜD ISO 14001

ZERO LIQUID DISCHARGE

WaterNext SOLUTIONS

Dear Customer,

We are glad to submit you our technical concept employing the most advanced technological solutions for your Textile Wastewater Treatment.

Being the most experienced team in the world to execute Biological plants essential for textiles waste water treatment, our team is the **first and the most experienced team in the world who have combined the MBR with biological plants successfully to get highly efficient ZLD.**

Quick recap of our global rich experience of Team WaterNext's execution is reproduced hereunder:

- 300+ biological plants
- 12+ BIO MBR plants (5 working and 4 more under construction)
- 50+ plants for reuse of water
- introduced biological technology plants in India in 2004, with 3 large installations of 10 MLD each for the biggest textile giants (Trident, Alok, Welspun).
- in 2006, successfully commissioned the first successful textile ZLD in the world, still running efficiently.
- in 2013 successfully executed the first BIO MBR RO in India and the same became a trendsetter then in the industry; it is also the **OLDEST** and **SUCCESSFULLY** running BIO MBR RO plant in the textile world.

Some of our prestigious clients served since 2004 in India

Each solution proposed by Team WaterNext, is customized and based on proven technologies especially in the field of textile waste water treatment where our team has rich experience in successfully executing projects. Choosing WaterNext automatically means getting winning solutions with significant benefits in terms both of CAPEX and OPEX.

We invite you to scroll through the following pages to better understand the proposed solution and we remain at your disposal for any additional information you may need.

Its prudent to state that the enclosed pictures of the components and their various installations represent an example and may therefore differ from the products offered by Waternext.

Team WaterNext

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WaterNext SOLUTIONS

1. DESIGN DATA

A fundamental premise for assuring a good design of the wastewater treatment plant is the fixing of the following parameters:

1. parameters of wastewater to treat

2. parameters required after wastewater treatment

So we kindly request you go through with utmost attention in submitting such parameters on which the overall project will be designed.

The parameters considered in this specific case, and that will have to be counter-verified by customer are the following ones marked in bold, if these will be confirmed, then we guarantee the parameters of water as those indicated after each treatment phase but most of everything at the outlet of the plant.

Flow to treat: 500 mcd

PLANT SECTION	Flow (mcd)	C.O.D. ppm	$B.O.D._5$ ppm	T.S.S. ppm	T.D.S.* ppm	Turbidity	Temp. °C	pH
Raw waste water	500	800	<300	<300	Actual	<80	<40	6-9
After biological treatment MBR	500	<200	<20	Nil	Actual	<1	<40	7-9

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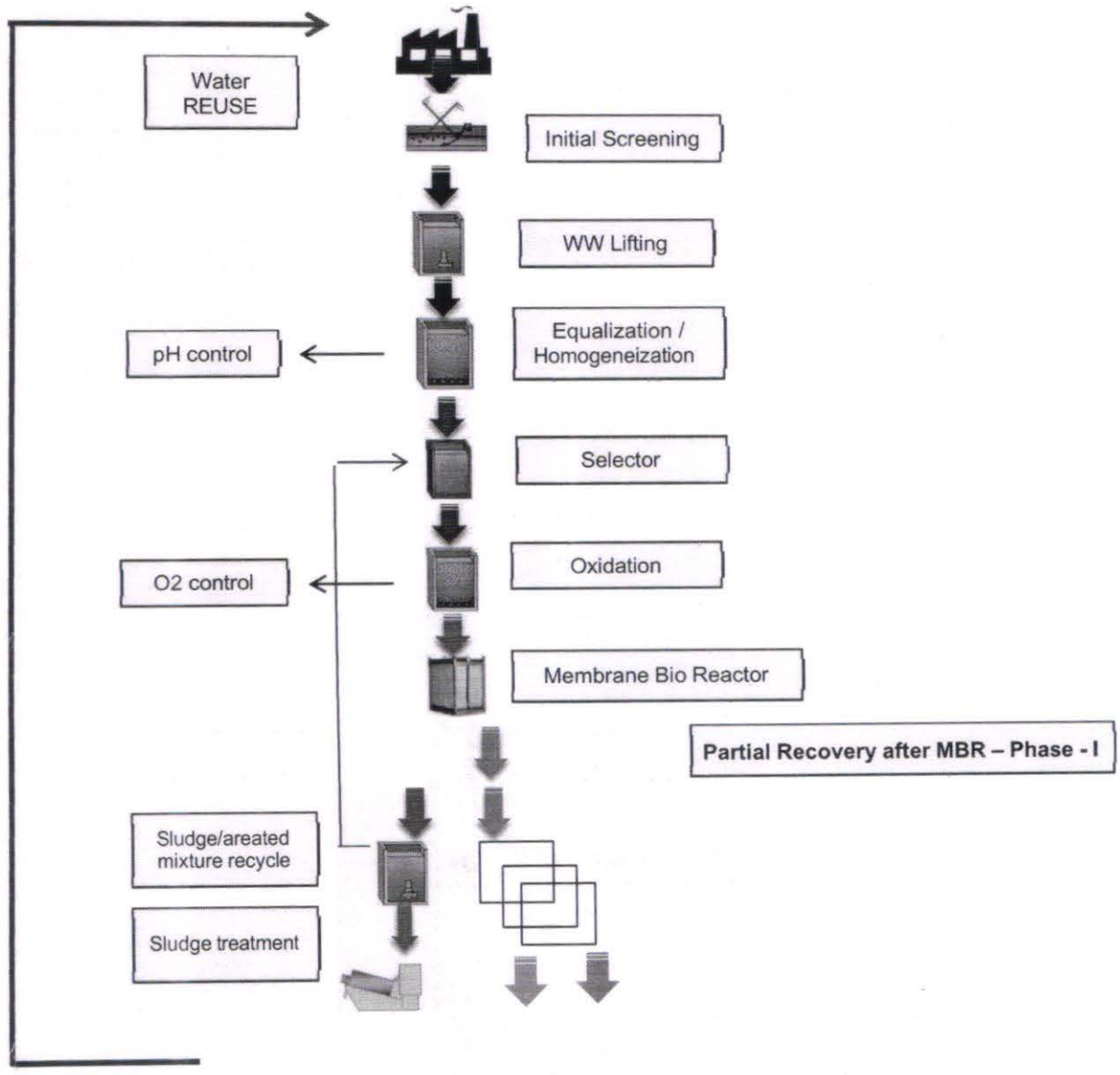
2. PROPOSED SOLUTION

The solution proposed in the following pages consists in a WWTP composed of a biological section with MBR and multi stage RO. Please see below the block diagram



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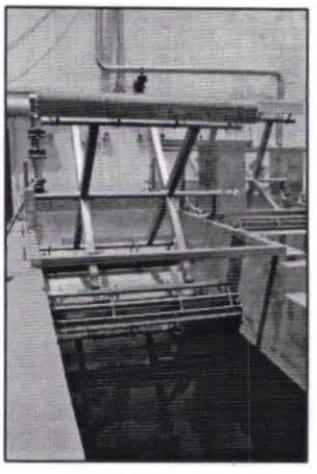
WaterNext SOLUTIONS

3. PLANT DESCRIPTION

3.1 Initial screening



This section is the head of our textile wastewater treatment plants and for almost any application where efficient fine screening is required.

Its aim is that to eliminate all coarse material (Fibres etc.) which is present in textile wastewater and that its presence, if not properly remove, would cause obstruction problems to the following water treatment machines.

The unit uses a perforated screen bed that is cleaned by slowly rotating brushes.

The brushes remove screened particles and a scraper system discharges them from the unit. No wash water is required
The material of construction is Stainless steel: AISI 304/316.

3.2 Wastewater Lifting

From the screening section the wastewater flows by gravity in a tank which is located underground called Lifting sump.

Its underground location is due to the fact that the pipeline conducting textile wastewater to the treatment plant is usually positioned its turn lightly underground, for this reason and in order to allow a gravity fall into the lifting tank, it will be positioned totally underground.

From here a set of submersible pumps will provide the wastewater lifting into the following section.

3.3 Equalization / Homogenization Section

This treatment is aimed to minimize or at least control, the fluctuations of both characteristics and flow that may occur in the course of the day, and which are typical of the industrial discharge.

The homogenization and equalization are mechanical treatments that consist in collecting discharges in special storage tanks, equipped with air diffusers on the bottom.

3.4 Neutralization Section

Wastewater discharged by textile operations is a highly alkaline water, usually pH goes from 10 up to 13 and sometimes even more.

In order to prepare an optimal nutriment for the bacteria in the next oxidation phase, it is necessary to reduce pH till a neutral level (6,5-7,5).

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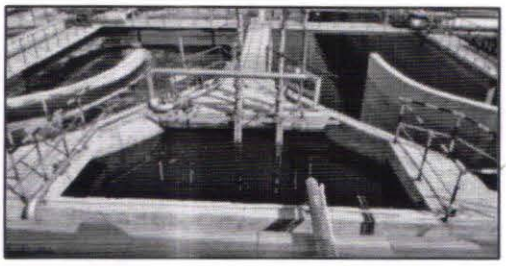
In order to neutralize wastewater a certain dosage of acid is required.

This will be made automatically through a dosing pump that will be duly set in order to achieve its working when the pH-meter, there installed, will signal pH levels beyond the required value.

3.5 Biological Feeding Section

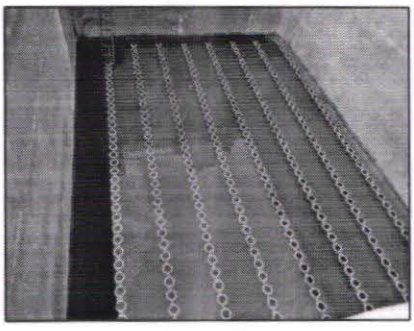
The biological feeding pumps are installed in the collection tank with constant flow to feed the following biological section

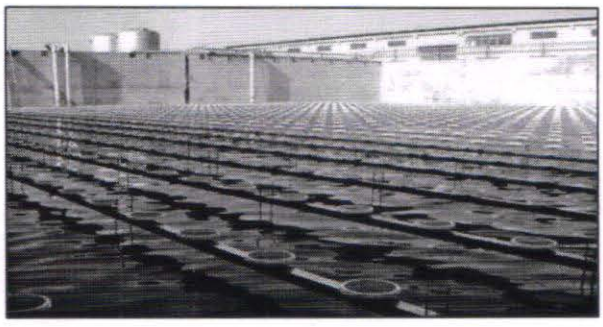
3.6 Selector



In this tank, the Biological feed stream and recirculation of aerated mixture from MBR sludge tank mixed thoroughly and flows in to Oxidation tank.

3.7 Oxidation Section - The "Core" of treatment





The oxidation section consists in a tank in which are present in suspension bacteria, activated sludge (friendly bacteria, protozoa, amoebae, rotifers and other micro-organisms), usually in the form of flakes.

These muds are the basis of the biological oxidation with activated sludge. The role of this biomass in the purification process is to use the biodegradable organic substances present in the wastewater for their nourishment and reproduction and to degrade the contaminants in smaller compounds and less dangerous.\

The biological treatment with active sludge is carried out in tanks, which reproduce in artificial environment the same biological mechanisms that occur in nature for the purification of water polluted by biodegradable organic substances. Indeed, by mixing an effluent with activated sludge in which is present a high bacterial charge, it has the same process of self-purification that occurs in nature, but in a faster way and in less space.

The advantage of the treatment of active sludge than the natural purification is that the microbial flora used to treat the wastewater, rather than remain dispersed in the effluent treated tends to agglomerate, forming flakes (organic matter and bacteria) that, when placed in conditions of quiet, tend to sediment and can be easily separated with ease from the purified water that remain on the surface (supernatant).

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Therefore, the organic matter present in the wastewater is partly mineralized with formation of gaseous products such as CO_2, H_2O and energy that is harmless to the environment.

Another part, highly putrescible, before its disposal must undergo a series of operations that constitute the sludge line of purification plants.

Essential for all these reactions is the presence of oxygen in the biological tank that allows bacteria to breath, growing and reproducing themselves.

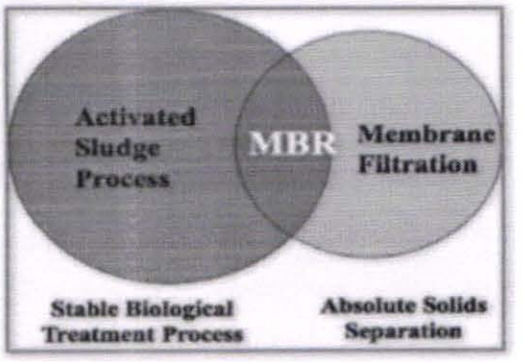
The best way of insufflating oxygen in oxidation tanks is through micro-bubble air diffusing system, this because it allows a better and more uniform distribution of oxygen in all the volume of the basin.

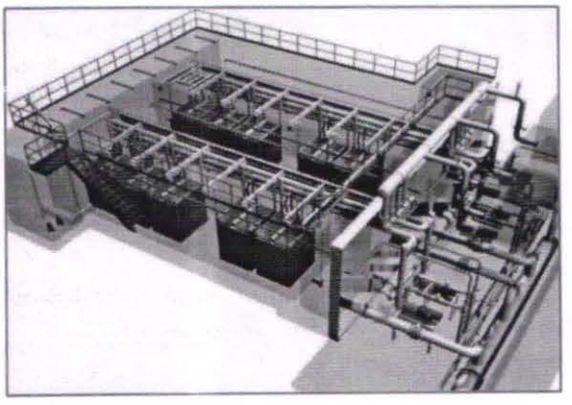
Air diffusers are fixed on a pipeline net located on the bottom of the tank. An oxygen-meter will measure the quantity of oxygen contained in water and accordingly will regulate through an analogical signal the working of turbine compressors.

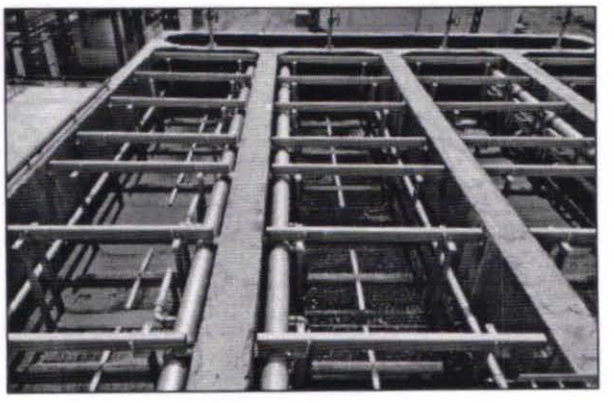
3.8 MBR (Membranes Bio Reactor) System

MBR is a new and innovating treatment technology which has been introduced on the market aimed to increase treatment process reliability and born through the combination of a membrane process like microfiltration or ultrafiltration with a biological wastewater treatment process, the activated sludge process.

Substantially MBR can substitute the secondary sedimentation step for biomass separation from the treated effluent, through its porous membrane filtration step *(ref . 3.9.4 technology)*.







3.8.1 MBR advantages

1. they can be placed inside the bioreactors allowing an important save of space. In this process, the suspended biomass produced by a "conventional" reactor is retained on specific filtration surfaces which allow the separation of both sludge and small sized substances.
2. inside the reactor even those particles of very high molecular weight which, in traditional biological treatment, having separation through sedimentation, would escape into the effluent making so necessary post-treatment steps such as clarification and flocculation. The absence of the secondary sedimentation step means a gain in space and cost saving for the plants MBR

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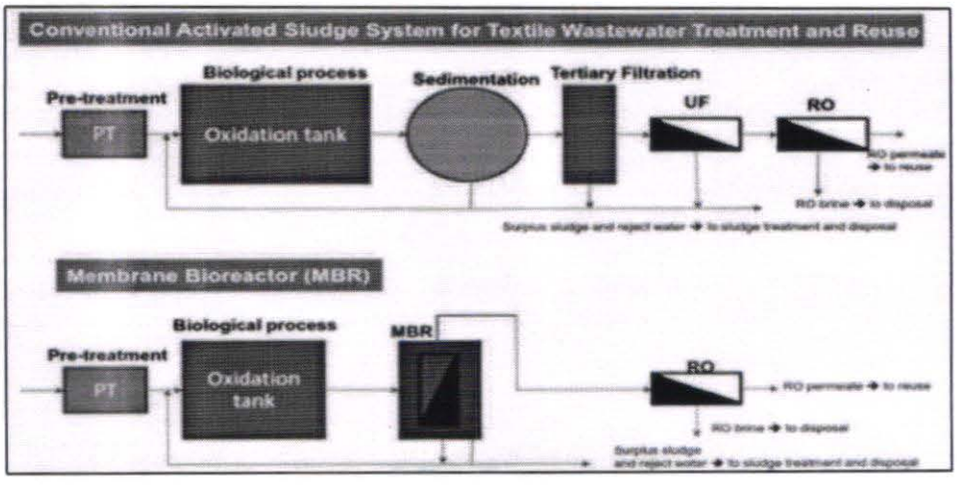
3. with MBR it is possible to maintain, inside the bioreactor, elevated biomass concentrations of much higher than those obtained with traditional activated sludge technology due to the limits imposed by the sludge sedimentability. The increase of solids retention time means a higher treatment efficiency of pollutants
4. the physical separation by filtration is much more efficient compared to that by traditional clarification, producing a purified effluent often compatible with re-use, with superior qualitative characteristics
5. color is an important parameter to evaluate in wastewater coming from textile process. The color visible at sight in wastewater is given by the sum of a real color (by dye-staffs reactive type) and a color due to SST. If wastewater is filtered with a filtration grade of 0,04 micron all suspended solids and all non-dissolved color is retained, therefore color present in outlet water treated with MBR will result to be highly lower than color content in outlet water if treated with standard technology. So that with MBR application, any additional tertiary treatment necessary for residual color removal, will be cheaper both for capital and operational costs
6. it is efficient in disinfecting water to remove disease transmission which usually are only inactivated through physical/chemical methods. MBR has proved efficient in physically removing large fractions of viruses, bacteria and obviously protozoa and mesozoa thanks to its porosity grade. This is important for the cases of water re-used (in irrigation).
7. it reduces surplus sludge production, obtaining a good quality of treated waste-water, substantially reduce by-products, and therefore reducing disposal costs.

3.8.2 MBR vs. Standard biological process



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3.8.3 MBR vs. Standard biological - CAPEX

SUBJECT	STANDARD BIOLOGICAL PLANT	MEMBRANE BIO REACTOR PLANT
Footprint and civil works	High footprint due to secondary clarifiers (up to 40% of the overall system footprint) Building needed for indoor installation of skid-mounted UF	Reduced footprint, as sedimentation basins and UF area are not needed
Equipment	Higher number of equipment required (pumps/blowers for cloth filtration and ultrafiltration) higher direct and indirect costs	Less equipment lower costs for MBR equipment
Process reliability	The overall process stability and robustness are strongly influenced by the biomass health conditions poor settling microbial flocs will quickly result in operation stoppage on cloth filtration and UF	Effluent quality is totally independent on the sludge settleability MBR permeate is constantly suitable for RO process
Sludge production	Shorter Solids Retention Time (SRT) higher sludge production	Longer SRT lower sludge production
Energy consumption	Lower MLSSs concentration in the biotank results in lower aeration rate and lower energy consumption for process aeration. Additional energy request for cloth filters backwash, for UF backwash, for UF feed pumps	Higher MLSS concentration in the biotank results in lower oxygen transfer and higher energy consumption in the biotank Scouring aeration for membrane mechanical cleaning and suction pumps result in energy request
Maintenance costs	Large number of treatment units (clarifiers, cloth media filters, UF) result in higher maintenance costs (man-power and consumables)	Lower

Summarizing, therefore, the favorable points of MBR technology, we can certainly list:

1. The MBR technology is a real option for stable and long-term sustainable treatment and reuse of textile wastewater
2. MBR offers higher process reliability compared to conventional scheme
3. MBR leads to significant reduction in costs for civil works
4. Overall CAPEX for equipment are comparable for the two options
5. MBR is the ideal «closing-the-loop» step within the holistic approach solution for textile industry
6. High Packing Density (Highest Membrane area MBR module on the market)
7. Central Aeration (More effective use of aeration energy)
8. Single Header design (Prevents membrane clogging)
9. Optimized fiber bundle (Evenly spaced fibers +Gaps to remove sludge)

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3.8.4 MBR technology

The MBR technology solution employed in this specific project is based on the use of **hollow fiber membranes**. This technology presents several substantial advantages that we try to summarize in the following:

1. The hollow fiber membrane is the most developed technology in the world therefore the most tested at present state of art. So it has be considered as the most reliable in the course of time.
2. The hollow fiber membrane technology occupies less space and has operational costs which are lower when compared to flat type membranes technology (operational costs are mostly connected to the quantity of air to provide to keep membranes clean)
3. Wastewater coming from textile processes contains encrusting agents for membranes such as: hardness and salinity. A flat type membrane is more subject to the forming of a film on its surface that would reduce the permeability in the course of time.
4. While the membrane hollow fiber type thanks to its continuous moving in water and to its capillary geometry is substantially reducing such risk

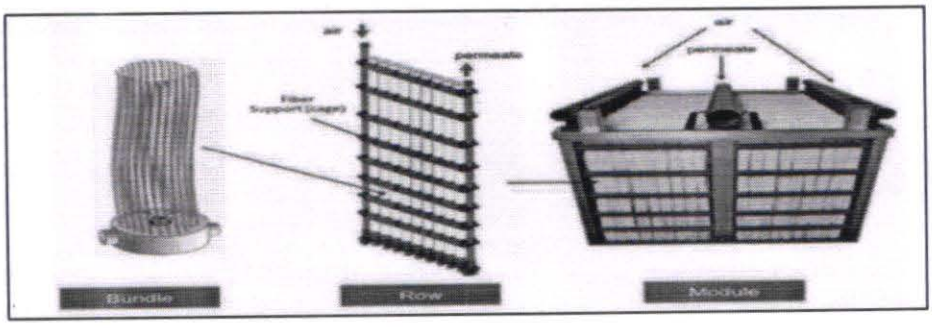
3.8.5 MBR module characteristics and features

Membrane construction characteristics

1. submerse hollow fiber
2. entirely composed of a polymer that acts as filtering element characterized from two fundamental aspects:

- the creation of moving conditions needed for the effluent permeation, based on vacuum aimed to suck in water through the pores of membrane
- the installation configuration that implies the completely submersion of membranes, which are positioned directly in the process tank.

3. supplied in apposite pre-assembled boxes, self-bearing, made of S.S. AISI-316. The boxes are equipped with a flexible junction for connecting a permeate collector (for forwarding filtered water at the outlet) and with a junctions for the air diffusion. A supporting system made of stainless steel allows to keep the membranes suspended inside of membrane tank.



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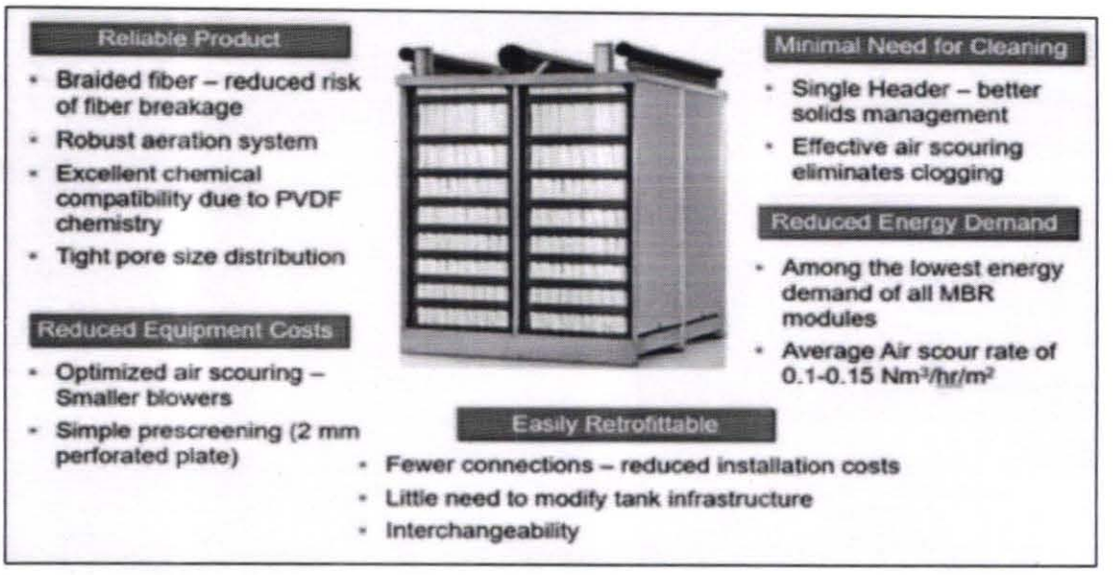
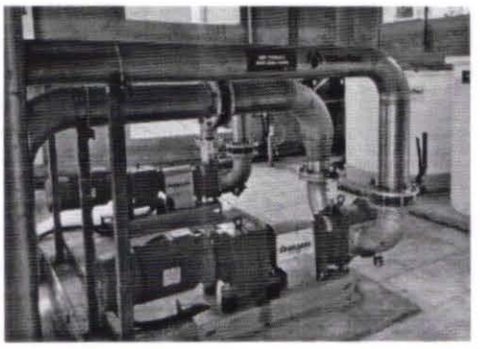


3.8.6 MBR permeate / backwashing pumps



It is foreseen the supply of self-priming pumps with eccentrics lobes that will work both as process pumps, for sucking-in permeate, and as back-washing pumps through the simple inversion of rotation sense. Pumps will be equipped with frequency converter.

This machine working in both rotation senses allows to simplify the path of piping with a consequent containment of overall dimensions of the plant.
Its self-priming capacity avoids the typical problematic during the start-up phases with conduits partially loaded.

The process pump has a fundamental role in the operation of the MBR plant, because, in case of anomalous working of such pump the entire treatment cycle would be compromised.

For this reason we have chosen a highly technological pump, absolutely reliable in the course of time as proven by innumerable installations in different application fields. The pump is volumetric and therefore is able to pump fluids both under liquid and gas status.

Therefore the possible presence of air in the pumped fluid doesn't compromise the correct working of the machine. This confers to the pump an optimal compatibility with hollow membranes proposed by us in which the application of machine takes place with the prevalent use of mechanic energy transferred before the machine through the achievement of a depression.

A particular characteristics of such pumps is the presence of lobes "helicoidally " shaped, that allow to generate a constant flow, without oscillations or pulsations which are common to the volumetric pumps.

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3.8.7 MBR Permeate flow for membrane backwash

A part of permeate (filtered water coming from U.F. treatment) has to be stored and used for the periodic washing operations of membranes modules; the permeate-flow can be stored in a proper tank made of HDPE or of concrete (at customer care) positioned on the discharge line of permeate and kept full through the interception of the line by automatic valves and sensor-levels.

3.8.8 MBR air blowers

The ultra-filtration membranes must be aerated. The mixing induced by the air bubbles on the filtering surface and the consequent continuous removal of settled solids, is highly increasing the filtration efficiency.

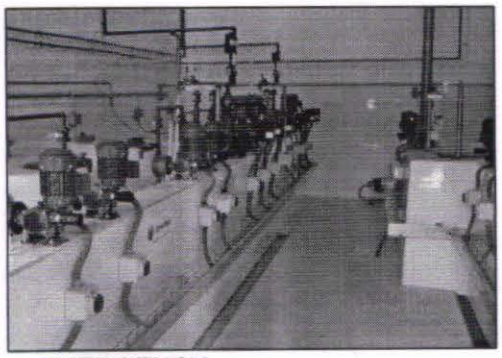
3.8.9 MBR aerated mixture recycling

In order to keep a MLSS concentration level inside of membranes tank optimal from process point of view, it is necessary to predispose a recycling system by means of same pumps of sludge recycle.

3.8.10 MBR cleaning (CIP- Cleaning In Place)

The chemicals shall be fed in the CIP circuit with available pumps:
It is possible to wash membranes through a completely automatic sequence; and to disinfect them usually by using Sodium Hypochlorite and Citric Acid

3.9 Product Chemical station



EMERGENCY

It will be necessary to foresee a covered area in which the chemicals station will be positioned.

The chemical station consists in adequate tanks made in PVC for the storing of those chemicals which are necessary to keep in warehouse during the plant working such as:

1. Acid or caustic soda to neutralize pH
2. Polyelectrolyte for enforcing the thickening of sludge
3. Decolorant whose use is ONLY IN CASE OF

The chemicals will be dosed through a system of dosing pumps.
Both pumps and tanks are dimensioned accordingly to the flow to treat and to its contaminants.

3.10 Sludge Line

The sludge line consists of all those operations concerning the sludge settled in the bottom of final stage tank.

The first step consists in the EXTRACTION OF SLUDGE. This operation is required in order to maintain a certain level of bacteria/sludge in the tank and avoiding therefore they might reach too high levels that wouldn't be manageable in the tank.

Part of the sludge will be extracted through a valve positioned in the sludge line that will permit to recycle back in selector this excess sludge.

While another part of sludge will be sent to the THICKENING SECTION, in order to allow its concentration by being further separate from water.

For this purpose a static tank with vertical flow, called thickener, is employed. It permits the increasing of the dry substance contained into sludge between 1% and 3%. In order to increase sludge thickening is normally added also a small quantity of flocculant. Recovered water is sent back to the beginning of the biological plant.

Sludge extracted from thickener bottom is directly sent to the disposal or alternatively is thickened again through the employment of a filter press (out of scope of supply) in order to increase the content of dry substance till 20 – 25%.

4. AUTOMATION OF WHOLE SYSTEM

The automation in a water treatment plant is very important and it is what makes the difference between a well running plant and an improper management.

All the phases of the plant are driven by a control panel. The control panel is set in such a way in order to give signals about:

maintenance to do on specific

actions to be undertaken in

alarms in case of non-proper

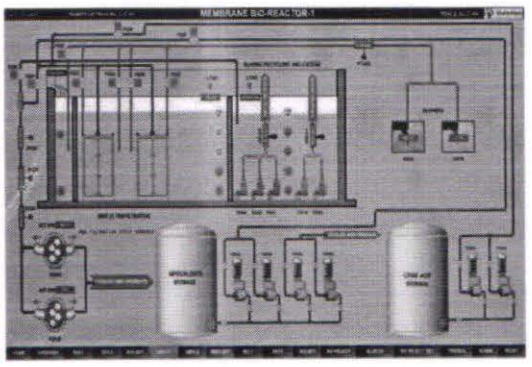
4. Advices/information on the working conditions of the plant

It is anyway important to underline that each function can be run automatically or manually, this will avoid to stop the working of the plant in emergency cases by intervening manually in the solution of the problem. The material of construction is IP55 painted metal, base and top are reinforced with steel bars.

If a client wishes we can develop a customized software for operating the plant on iOS devices such as: iPhone , iPad etc at an additional cost not included in this offer

The customer will have to put at disposal the internet connection, that will allow WaterNext to connect anytime to the plant by remote location.

4.1 SCADA System



All the plants can be foreseen with a SCADA (supervisory control and data acquisition) system, which is a system operating with coded signals over communication channels so as to provide control of remote equipment (using typically one communication channel per remote station).
The control system may be combined with a data acquisition system by adding the use of coded signals over communication channels to acquire information about the status of the remote equipment for display or for recording functions.

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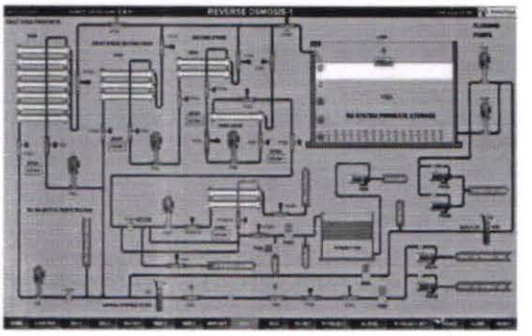
It is a type of Industrial Control Systems (ICS). Industrial control systems are computer-based systems that monitor and control industrial processes that exist in the physical world. SCADA systems historically distinguish themselves from other ICS systems by being large-scale processes that can include multiple sites, and large distances.



5. HYDRAULIC SECTION

The over ground pipes which are included in the WaterNext supply are generally made of AISI-304. While the underground ones are generally proposed in HDPE.
Some deviations from this can be made in some specific situations that will be studied case by case. The correct specifications of the pipes will be given in phase of project development after contract finalization.

WaterNext will guarantee the most suitable Material of construction for pipes adaptable in the different working conditions.

6. ELECTRICAL SECTION

The Electrical fittings proposed by WaterNext meet international standard.

The electrical cables/ducts located underground are cable flame-retardant type, while those in contact with liquid are in HO7NR-F.
Generally WaterNext scope of supply includes:

1. external cable duct such as channels and general supports,
2. local switches for the maintenance of switch on-switch off equipment.

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7. INSTALLATION, COMMISSIONING, STARTUP AND TRAINING

We follow the highest standards of practice for setting up the plant right from installation, commissioning and training. WaterNext engineers leave the site when the customer operators are comfortable to manage the plant and run on their own.

The supervision of installation, commissioning and start up (including training) in this case will be provided by our WaterNext Team who will train the operators in their local language during the complete erection and commissioning process.

8. OPERATIONAL COSTS

The operational costs here following indicated have been calculated by assuming that:

1 kWh= INR 7.00 per unit

OPERATIONAL COST FOR BIO-MBR-RO

For flow 500 mcd	kW/mc	Electrical	Chemical	Total INR/m3**
Biological treatment with MBR*	1.44	10.08	0.58	10.66
Total	1.44	10.08	0.58	10.66

Bio sludge production @ 110 kgs/day (25% dry)

*The chemicals used in biological plant is to neutralise the pH after equalisation tank and any of these chemicals - sulphuric acid or spent acid or soda can be used. Accordingly, depending upon the pH and chemical to be used, daily cost and consumption of chemical can be determined.

** ± 10% variation

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9. LIST OF MAIN SUPPLIERS

EQUIPMENT	MAKE
Screen	WaterNext Italy
Diffusers	USA Or Italy
Pumps	Grundfos/Xylem/Ebara/Equivalent
Reversible Lobe Pump	Vogelsang/ Netsch/Jurop - EU
Blowers	Aerzen/Robuschi/Equivalent
MBR cassettes	KOCH
RO Membranes	WaterNext
Instrumentation	E&H/Forbes Marshall & Trumen
SS RO skid	WaterNext
Electrical Panel	Siemens/Schneider - Rittal/ Equivalent

In case of deviations from above mentioned list, WaterNext guarantees material of equivalent quality/manufacturer

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10. LIST OF MAJOR EQUIPMENT

Equipment	Quantity	Capacity	Working	Installed Stanby	Store Standby
BIOLOGICAL PLANT	**Phase - I**				
Rotary Brush screen	1	21 m³/h	1		
Container of fine screened material	1				
Lifting pump	3	21 m³/h	2	1	
Level controls	7				
Diffusers in Homo Tank	20				
Blower in Homo Tank	1		1		
Level Transmitter	1		1		
pH Neutralization	1		1		
Acid dosing pump	1		1		
Polyelectrolyte dosing pump	1		1		
Acid tank	1				
Polyelectrolyte tank	1				
Air Diffusers in Oxidation tank	130				
Blower in oxidation tank -	2		1	1	
Dissolved Oxygen Meter	1				
Flow meter	1				
Level controls ON/OFF	3				
Biological feeding pump	2	21 m³/h	1	1	
AERATED MIXTURE RECYCLING - SLUDGE EXTRACTION					
Manual Knife gate for Tank Drain	1				
Aerated Mixture Circulation Pump	2		1	1	
Flow Meter	1				
Excess Sludge extraction pump	2		1	1	
MEMBRANE ULTRAFILTRATION (MBR)					
Bioreactor with MBR technology having following characteristics:					
Average flow rate to be treated 21 CU.M					
Peak flow to be treated: 21 mch					
Filtration degree of modules: 0,03 micron					
Total surface area of membranes: **1 line of MBR with 1 module**					
Filtered water extraction pumps with volumetric lobes (reversible)	2		1	1	
Inverter for pump regulation	1				
Pneumatic Valves	1 set				
Level controls	3				
Blowers for membrane washing	2		1	1	
Inverter for compressor regulation	1				

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Hypochlorite storage tank for membrane cleaning	1				
Hypochlorite dosing pump for membrane washing	1		1		
Citric acid storage tank for membrane cleaning	1				
Citric acid dosing pump for membrane washing	1		1		
INSTRUMENTATION IN MBR					
Level transmitter for membrane tanks	1				
Level transmitter for sludge tank	1				
Pressure transmitter for air to membranes	1				
Permeate pressure indicator	1				
Permeate pressure transmitter	1				

SLUDGE TREATMENT					
Poly Dosing Pump	2		1		
Filter Press Feed Pump	2		1	1	
Level Control	3				
Filter Press	1				
Valves	1 set				
GENERAL ITEMS					
a). Bio - pipe lines					
b). Air line					
c). MBR - pipe lines					
d). Panel					
e). Cable Trays					

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THANK YOU

FOR CONTRIBUTING WITH US IN

ENVIRONMENTAL CARE

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Annexure-4

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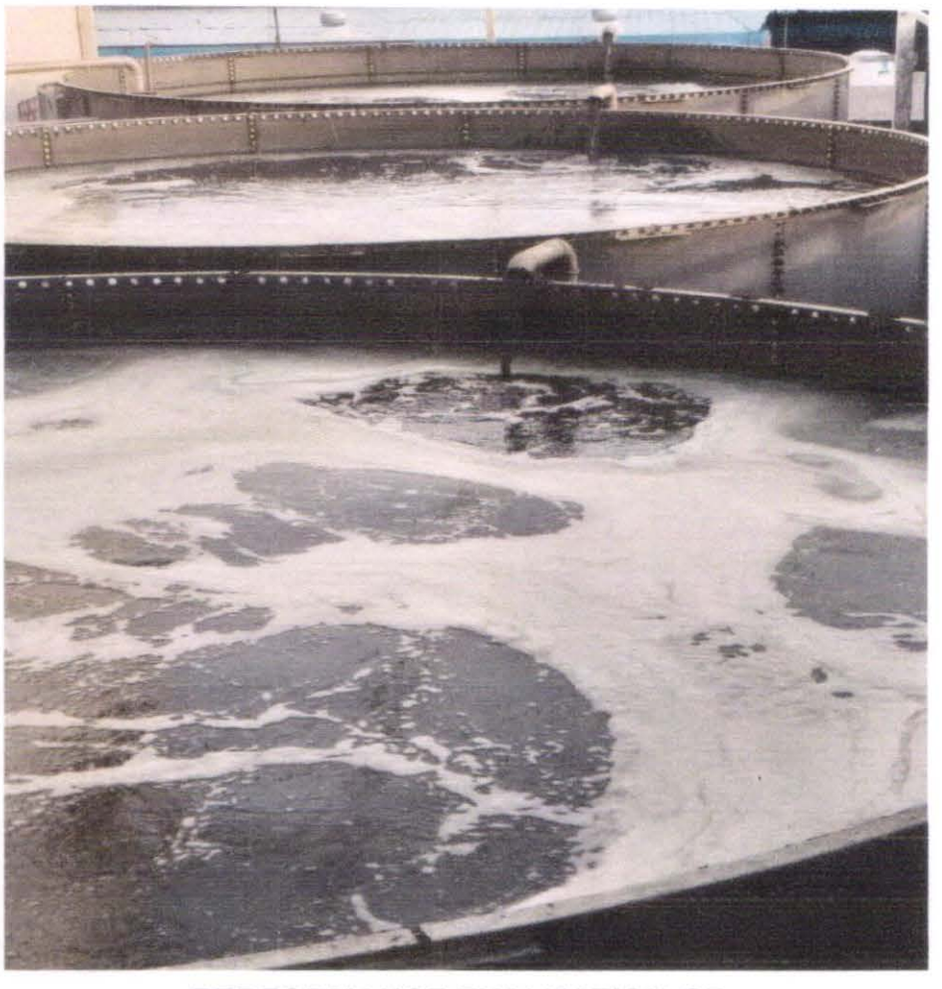
GLOBAL WASH CREATIONS PVT LTD,
INDIA



PERFORMANCE EVALUATION OF
WASTE WATER TREATMENT PLANT

PLANT TYPE	WWTP – Advanced Biological with MBR
FLOW	500 mcd;
COD	COD 800 ppm
DATE	15TH FEB, 2024

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EXECUTIVE SUMMARY

The effluent treatment plant is designed for 500 mcd and operates at 100% capacity. The adequacy of capacity and performance of this plant is assessed by design criteria and water quality analysis.

The result shows that the reduction of COD, BOD, TSS are good and adequate as per PCB standards and meets the discharge parameters.

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INDEX

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1. DESIGN DATA

Flow to treat: 500 mcd

Inlet and Outlet Parameters			
Effluent	**ETP Design**	**ETP Inlet (Actual)**	**After Biological Treatment & MBR**
Flow	500	218	216
COD	< 800	605	30
BOD_5	< 300	112	6
TSS	300	82	8
TDS	Actual	930	922
Turbidity	High	High	<1
pH	7 - 8	7.9	8.1
Colour	Visible	HAZEN (575)	10
Iron	<0.2	<0.05	<0.05
Temperature	<40	<40	<40

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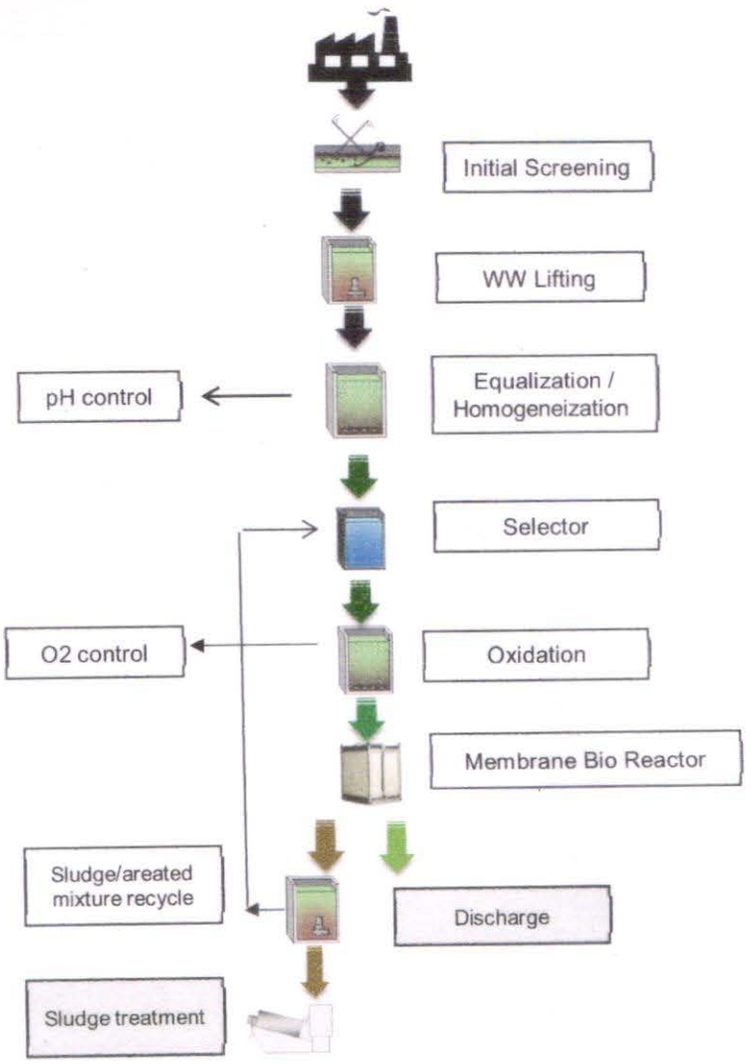
2. TREATMENT SCHEME



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3. PLANT DESCRIPTION

Initial screening

This section is the head of our textile wastewater treatment plants and for almost any application where efficient fine screening is required.

Its aim is that to eliminate all coarse material (Fibres etc.) which is present in textile wastewater and that its presence, if not properly remove, would cause obstruction problems to the following water treatment machines.

The unit uses a perforated screen bed that is cleaned by slowly rotating brushes.

The brushes remove screened particles and a scraper system discharges them from the unit. No wash water is required
The material of construction is Stainless steel: AISI 304.

Wastewater Lifting

From the screening section the wastewater flows by gravity in a tank which is located underground called Lifting sump.

Its underground location is due to the fact that the pipeline conducting textile wastewater to the treatment plant is usually positioned its turn lightly underground, for this reason and in order to allow a gravity fall into the lifting tank, it will be positioned totally underground.

From here a set of submersible pumps will provide the wastewater lifting into the following section.

Equalization / Homogenization Section

This treatment is aimed to minimize or at least control, the fluctuations of both characteristics and flow that may occur in the course of the day, and which are typical of the industrial discharge.

The homogenization and equalization are mechanical treatments that consist in collecting discharges in special storage tanks, equipped with air diffusers on the bottom.

Neutralization Section

Wastewater discharged by textile operations is a highly alkaline water, usually pH goes from 10 up to 13 and sometimes even more.

In order to prepare an optimal nutriment for the bacteria in the next oxidation phase, it is necessary to reduce pH till a neutral level.

In order to neutralize wastewater a certain dosage of acid is required.

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This will be made automatically through a dosing pump that will be duly set in order to achieve its working when the pH-meter, there installed, will signal pH levels beyond the required value.

Biological Feeding Section

The biological feeding pumps are installed in the collection tank with constant flow to feed the following biological section

Oxidation Section - The "Core" of treatment

The oxidation section consists in a tank in which are present in suspension bacteria, activated sludge (friendly bacteria, protozoa, amoebae, rotifers and other micro-organisms), usually in the form of flakes.

These muds are the basis of the biological oxidation with activated sludge. The role of this biomass in the purification process is to use the biodegradable organic substances present in the wastewater for their nourishment and reproduction and to degrade the contaminants in smaller compounds and less dangerous.\

The biological treatment with active sludge is carried out in tanks, which reproduce in artificial environment the same biological mechanisms that occur in nature for the purification of water polluted by biodegradable organic substances. Indeed, by mixing an effluent with activated sludge in which is present a high bacterial charge, it has the same process of self-purification that occurs in nature, but in a faster way and in less space.

The advantage of the treatment of active sludge than the natural purification is that the microbial flora used to treat the wastewater, rather than remain dispersed in the effluent treated tends to agglomerate, forming flakes (organic matter and bacteria) that, when placed in conditions of quiet, tend to sediment and can be easily separated with ease from the purified water that remain on the surface (supernatant).

Therefore, the organic matter present in the wastewater is partly mineralized with formation of gaseous products such as CO_2, H_2O and energy that is harmless to the environment.

Another part, highly putrescible, before its disposal must undergo a series of operations that constitute the sludge line of purification plants.

Essential for all these reactions is the presence of oxygen in the biological tank that allows bacteria to breath, growing and reproducing themselves.

The best way of insufflating oxygen in oxidation tanks is through micro-bubble air diffusing system, this because it allows a better and more uniform distribution of oxygen in all the volume of the basin.

Air diffusers are fixed on a pipeline net located on the bottom of the tank. An oxygen-meter will measure the quantity of oxygen contained in water and accordingly will regulate through an analogical signal the working of turbine compressors.

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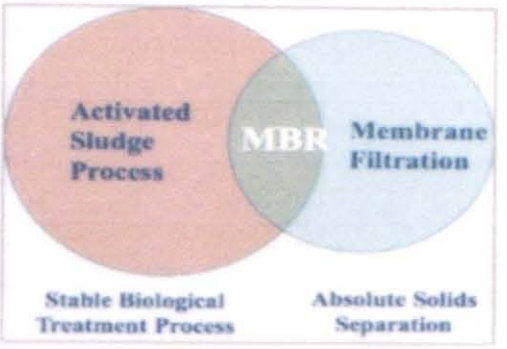
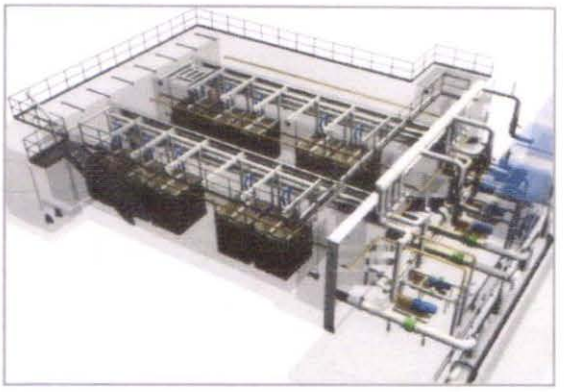
MBR (Membranes Bio Reactor) System

MBR is a new and innovating treatment technology which has been introduced on the market aimed to increase treatment process reliability and born through the combination of a membrane process like microfiltration or ultrafiltration with a biological wastewater treatment process, the activated sludge process.

Substantially MBR can substitute the secondary sedimentation step for biomass separation from the treated effluent, through its porous membrane filtration step.





MBR advantages

1. they can be placed inside the bioreactors allowing an important save of space. In this process, the suspended biomass produced by a "conventional" reactor is retained on specific filtration surfaces which allow the separation of both sludge and small sized substances.
2. inside the reactor even those particles of very high molecular weight which, in traditional biological treatment, having separation through sedimentation, would escape into the effluent making so necessary post-treatment steps such as clarification and flocculation. The absence of the secondary sedimentation step means a gain in space and cost saving for the plants MBR
3. with MBR it is possible to maintain, inside the bioreactor, elevated biomass concentrations of much higher than those obtained with traditional activated sludge technology due to the limits imposed by the sludge sedimentability. The increase of solids retention time means a higher treatment efficiency of pollutants
4. the physical separation by filtration is much more efficient compared to that by traditional clarification, producing a purified effluent often compatible with re-use, with superior qualitative characteristics
5. color is an important parameter to evaluate in wastewater coming from textile process. The color visible at sight in wastewater is given by the sum of a real color (by dye-staffs reactive type) and a color due to SST. If wastewater is filtered with a filtration grade of 0,04 micron all suspended solids and all non-dissolved color is retained, therefore color present in outlet water treated with MBR will result to be highly lower than color content in outlet water if treated with standard technology. So that with MBR application, any additional tertiary treatment necessary for residual

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color removal, will be cheaper both for capital and operational costs

6. it is efficient in disinfecting water to remove disease transmission which usually are only inactivated through physical/chemical methods. MBR has proved efficient in physically removing large fractions of viruses, bacteria and obviously protozoa and mesozoa thanks to its porosity grade. This is important for the cases of water re-used (in irrigation).
7. it reduces surplus sludge production, obtaining a good quality of treated waste-water, substantially reduce by-products, and therefore reducing disposal costs.

MBR technology

The MBR technology solution employed in this specific project is based on the use of **hollow fiber membranes**. This technology presents several substantial advantages that we try to summarize in the following:

1. The hollow fiber membrane is the most developed technology in the world therefore the most tested at present state of art. So, it has be considered as the most reliable in the course of time.
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MBR module characteristics and features

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2. entirely composed of a polymer that acts as filtering element characterized from two fundamental aspects:

- the creation of moving conditions needed for the effluent permeation, based on vacuum aimed to suck in water through the pores of membrane
- the installation configuration that implies the completely submersion of membranes, which are positioned directly in the process tank.

3. supplied in apposite pre-assembled boxes, self-bearing, made of S.S. AISI-316. The boxes are equipped with a flexible junction for connecting a permeate collector (for forwarding filtered water at the outlet) and with a junction for the air diffusion. A supporting system made of stainless steel allows to keep the membranes suspended inside of membrane tank.

ZERO LIQUID DISCHARGE

WaterNext SOLUTIONS

MBR permeate / backwashing pumps

It is foreseen the supply of self-priming pumps with eccentrics lobes that will work both as process pumps, for sucking-in permeate, and as back-washing pumps through the simple inversion of rotation sense. Pumps will be equipped with frequency converter.

This machine working in both rotation senses allows to simplify the path of piping with a consequent containment of overall dimensions of the plant.
Its self-priming capacity avoids the typical problematic during the start-up phases with conduits partially loaded.

The process pump has a fundamental role in the operation of the MBR plant, because, in case of anomalous working of such pump the entire treatment cycle would be compromised.

For this reason, we have chosen a highly technological pump, absolutely reliable in the course of time as proven by innumerable installations in different application fields. The pump is volumetric and therefore is able to pump fluids both under liquid and gas status.

Therefore, the possible presence of air in the pumped fluid doesn't compromise the correct working of the machine. This confers to the pump an optimal compatibility with hollow membranes proposed by us in which the application of machine takes place with the prevalent use of mechanic energy transferred before the machine through the achievement of a depression.

A particular characteristics of such pumps is the presence of lobes "helicoidally " shaped, that allow to generate a constant flow, without oscillations or pulsations which are common to the volumetric pumps.

MBR Permeate flow for membrane backwash

A part of permeate (filtered water coming from U.F. treatment) has to be stored and used for the periodic washing operations of membranes modules; the permeate-flow can be stored in a proper tank made of HDPE or of concrete (at customer care) positioned on the discharge line of permeate and kept full through the interception of the line by automatic valves and sensor-levels.

MBR air blowers

The ultra-filtration membranes must be aerated. The mixing induced by the air bubbles on the filtering surface and the consequent continuous removal of settled solids, is highly increasing the filtration efficiency.

MBR aerated mixture recycling

In order to keep a MLSS concentration level inside of membranes tank optimal from process point of view, it is necessary to predispose a recycling system by means of same pumps of sludge recycle.

MBR cleaning (CIP- Cleaning In Place)

The chemicals shall be fed in the CIP circuit with available pumps:
It is possible to wash membranes through a completely automatic sequence; and to disinfect them usually by using Sodium Hypochlorite and Citric Acid

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Product Chemical station

It will be necessary to foresee a covered area in which the chemicals station will be positioned.

The chemical station consists in adequate tanks made in PVC for the storing of those chemicals which are necessary to keep in warehouse during the plant working such as:

1. Acid or caustic soda to neutralize pH
2. Polyelectrolyte for thickening of sludge

The chemicals will be dosed through a system of dosing pumps.

Both pumps and tanks are dimensioned accordingly to the flow to treat and to its contaminants.

Sludge Line

The sludge line consists of all those operations concerning the sludge settled in the bottom of final stage tank.

The first step consists in the EXTRACTION OF SLUDGE. This operation is required in order to maintain a certain level of bacteria/sludge in the tank and avoiding therefore they might reach too high levels that wouldn't be manageable in the tank.

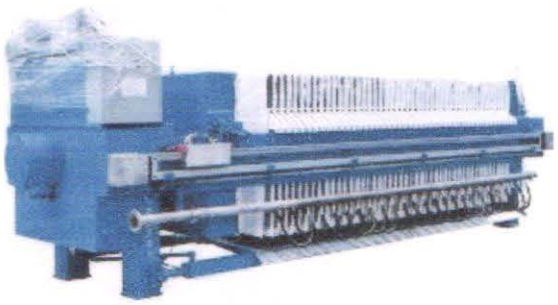
Part of the sludge will be extracted through a valve positioned in the sludge line that will permit to recycle back in selector this excess sludge.

While another part of sludge will be sent to the THICKENING SECTION, in order to allow its concentration by being further separate from water.

For this purpose, a static tank with vertical flow, called thickener, is employed. It permits the increasing of the dry substance contained into sludge between 1% and 3%. In order to increase sludge thickening is normally added also a small quantity of flocculant. Recovered water is sent back to the beginning of the biological plant.

Sludge extracted from thickener bottom is directly sent to the disposal or alternatively is thickened again through the employment of a filter press (out of scope of supply) in order to increase the content of dry substance till 20 – 25%.

Sludge dewatering Filter Press



The excess sludge is extracted by a special pump and sent to the sludge press.

The sludge press proposed by Waternext is of the multi-plate filter press.

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4. LIST OF MAJOR EQUIPMENT

Equipment	Quantity	Capacity	Working	Installed Standby
BIOLOGICAL PLANT				
Rotary Brush screen	1	21 m³/h	1	
Container of fine screened material	1			
Lifting pump	2	21 m³/h	2	1
Level controls	7			
Diffusers in Homo Tank (In existing facility)	20			
Blower in Homo Tank with sound proof cabin	2		1	1
Level Transmitter	1		1	
pH Neutralization	1		1	
Acid dosing pump	2		1	1
Acid tank	1			
Air Diffusers in Oxidation tank	130			
Blower in oxidation tank	2		1	1
Inverter	2			
Dissolved Oxygen Meter	1			
Flow meter	1			
Level controls ON/OFF	3			
Biological feeding pump	2	21 m³/h	1	1
MEMBRANE ULTRAFILTRATION (MBR)				
Sluice Gate valve	1			
Aerated Mixture Circulation Pump	2	21 m³/h	1	1
Total surface area of membranes: 1 **line of MBR with 2 modules**				
Filtered water extraction pumps with volumetric lobes (reversible)	2		1	1
Inverter for pump regulation	1			
Pneumatic Valves	1 set			
Level controls	3			
Blowers for membrane washing with sound proof cabin	2		1	1
Inverter for compressor regulation	1			
Hypochlorite storage tank for membrane cleaning	1			

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Hypochlorite dosing pump for MC/RC	1		1	
Citric acid storage tank for membrane cleaning	1			
Citric acid dosing pump for MC/RC	1		1	
INSTRUMENTATION IN MBR				
Level transmitter for membrane tanks	1			
Level transmitter for sludge tank	1			
Pressure transmitter for air to membranes	1			
Permeate pressure indicator	1			
Permeate pressure transmitter	1			
Turbidity meter	1			
SLUDGE TREATMENT WITH FILTER PRESS	1 set			
GENERAL ITEMS				
a). Bio - pipe lines				
b). Air line				
c). MBR - pipe lines				
d). Panel				
e). Cable Trays				

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WaterNext SOLUTIONS

THANK YOU

FOR CONTRIBUTING WITH US IN

ENVIRONMENTAL CARE

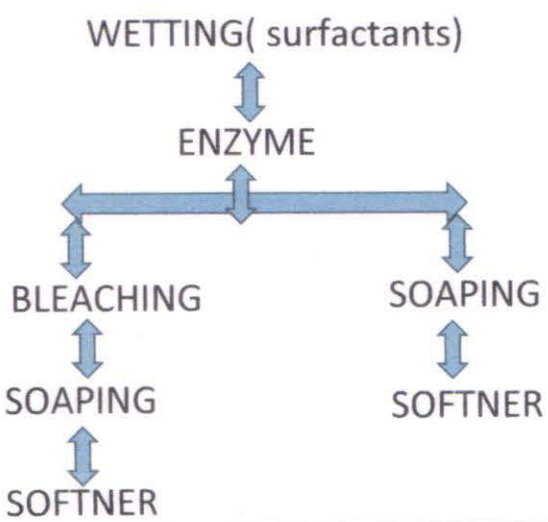
SECRET: The contents of this offer/order, including drawings, drafts, information and / or other material relating to the order and / or subsequently revealed and / or acquired in any way (including verbal communications and / or samples, products, prototypes, etc.) constitutes strictly confidential material of WATER NEXT SOLUTIONS LLP and cannot be disclosed before, during and / or at the end of the relationship, nor used in the interest of themselves and / or third parties for any purpose, unless prior written permission of the CEO. Any violation of this obligation of confidentiality by the supplier will imply the payment of a penalty equal to Euro 100.000 (hundred thousand) for each violation, except for the right to compensation for damages.

INTELLECTUAL PROPERTY - Any ideas / invention or other intellectual property that may arise from the execution of the offer/order or part of it, is the exclusive property of WATER NEXT SOLUTIONS LLP and it is expressly forbidden to the supplier to deposit applications patent and / or other titles in your name or third parties concerning the idea / invention of WATER NEXT SOLUTIONS LLP.

Annexure-5

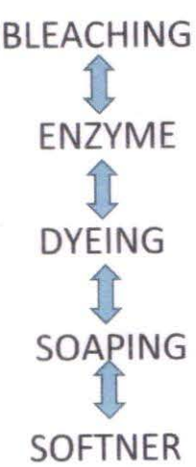
95 % OF PRODUCTION **FLOW CHART OF**

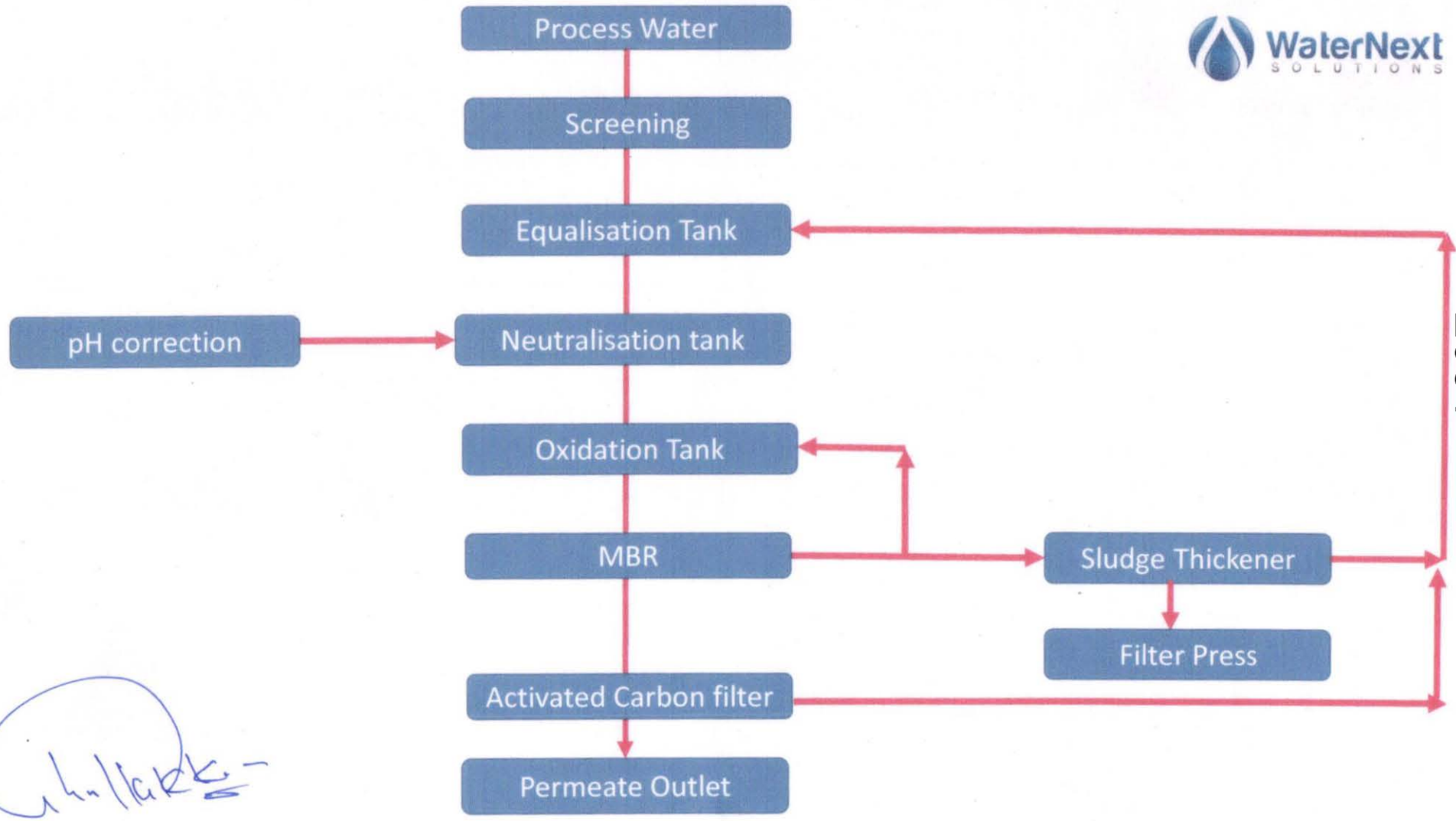
DENIM GARMENT



ONLY 5% OF PRODUCTION **FLOW CHART OF**

RFD GARMENT





VAKALATNAMA

BEFORE THE NATIONAL GREEN TRIBUNAL PRINCIPAL BENCH, NEW DELHI

ORIGINAL APPLICATION NO. 622 OF 2024

IN RE:-

VARUN GULATI ...APPLICANT

VERSUS

STATE OF HARYANA & ORS. ...RESPONDENTS

KNOW ALL to whom these presents shall come that I/We, undersigned the above named do hereby appoint.

SIDDHARTH BATRA (P/1083/2004), ARCHNA YADAV (D/1837/2020), SHIVANI CHAWLA (D/2233/2019), CHINMAY DUBEY (D/8141/2021) & RHYTHM KATYAL (D/3528/2022);

Advocates

Satram Dass B & Co., 8A, Sagar Apartment, 6 Tilak Marg, New Delhi-110001

Mob: 9013082887, Email: vijay.kumar@satramdass.com

(hereinafter called the advocate/s) to be my/our Advocate in the above noted case and authorize him: -

To act, appear and plead in the above-noted case in this Court or in any other Court in which the same may be tried or heard and also in the Appellate Court including High Court subject to payment of fees separately for each court by me/us.

To sign file, verify and present pleadings, appeals, cross-objections or petitions for executions, review, revision, withdrawal, compromise or other petitions or affidavits or other documents as may be deemed necessary or proper for the prosecution of the said case in all its stages subject to payment of fees for each stage. To file and take back documents, to admit and/or deny the documents of opposite party. To withdraw or compromise the said case or submit to arbitration any differences or disputes that may arise touching or in any manner relating to the said case. To take execution proceedings. To deposit, draw and receive monthly cheques, cash and grant receipts thereof and to do all other acts and things which may be necessary to be done for the progress and in the course of the prosecution of the said case. To appoint and instruct any other Legal Practitioner authorizing him to exercise the power and authority hereby conferred upon the Advocate whenever he may think fit to do so and to sign the power of attorney on our behalf.

And I/We the undersigned do hereby agree to ratify and confirm all acts done by the Advocate or his substitute in the matter as my/our own acts, as if done by me/us to all intents and proposes. And I/We undertake that I/We or my /our duly authorised agent would appear in Court on all hearings and will inform the Advocate for appearance when the case is called. And I/We the undersigned do hereby agree not to hold the advocate or his substitute responsible for the result of the said case. The adjournment costs whenever ordered by the Court shall be of the Advocate which he shall receive and retain for himself. And I/We the undersigned do hereby agree that in the event of the whole or part of the fee agreed by me/us to be paid to the advocate remaining unpaid he shall be entitled to withdraw from the prosecution of the said case until the same is paid up. The fee settled is only for the above case and above Court. I/We hereby agree that once fee is paid, I/We will not be entitled for the refund of the same in any case whatsoever and if the case prolongs for more than 3 years the original fee shall be paid again by me/us.

IN WITNESS WHEREOF I/We do hereunto set my/our hand to these presents the contents of which have been understood by me/us on this 17th day of May 2025

Accepted, identified and certified subjected to the terms of the fees.

For Globalwash Creation Pvt. Ltd.

[SIDDHARTH BATRA] [ARCHNA YADAV]

Client Director

[SHIVANI CHAWLA] [CHINMAY DUBEY] & [RHYTHM KATYAL]

Advocates

GLOBAL WASH
Way to Green

GLOBALWASH CREATION PRIVATE LIMITED
Regd. Off. : Plot 556, Phase II, HSIIDC Industrial Estate,
Barhi, Sonipat - 131101
CIN No. - U17200HR2010PTC041152

EXTRACT OF THE RESOLUTION PASSED AT THE MEETING OF THE BOARD OF DIRECTORS OF GLOBALWASH CREATION PRIVATE LIMITED HELD ON SATURDAY THE 22ND DAY OF FEBRUARY, 2025 AT 11:00 A.M. AT THE REGISTERED OFFICE OF THE COMPANY SITUATED AT PLOT NO. 556, PHASE –2, HSIIDC INDUSTRIAL AREA, BARHI, SONIPAT ,HARYANA-131101

"RESOLVED THAT Mr. Rahul Kakkar, Director of Globalwash Creation Private Limited, be and is hereby authorized on behalf of the Company to initiate, file, defend, represent, and conduct legal cases, proceedings, or claims in any court of law, tribunal, or any other judicial or quasi-judicial authority in connection with the business or matters of the Company.

RESOLVED FURTHER THAT Mr. Rahul Kakkar is authorized to sign, verify, and submit all necessary documents, affidavits, pleadings, applications, and undertakings, and to appoint advocates, solicitors, and other professionals as may be required for such proceedings.

RESOLVED FURTHER THAT all actions taken by Mr. Rahul Kakkar in connection with the above matters be and are hereby ratified and confirmed by the Company.

RESOLVED FURTHER THAT a certified true copy of this resolution be provided to all concerned authorities as and when required for their records and reference."

For and on behalf of GLOBALWASH CREATION PRIVATE LIMITED

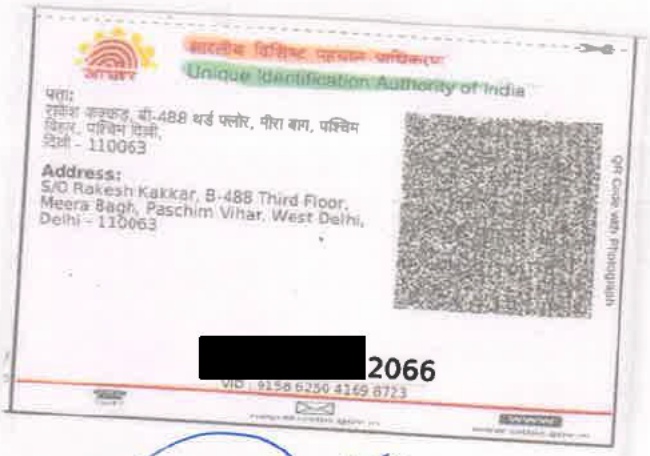
For Globalwash Creation Pvt. Ltd.

Director

Umesh Kakkar
[Director])

DIN - 08415432


भारत सरकार
Government of India
राहुल कक्कड़
Rahul Kakkar
जन्म तिथि/DOB: 28/06/1985
पुरुष/ MALE
[redacted]2066
VID : 9158 6250 4169 8723
मेरा आधार, मेरी पहचान


भारतीय विशिष्ट पहचान प्राधिकरण
Unique Identification Authority of India
पता:
राकेश कक्कड़, बी-488 थर्ड फ्लोर, मीरा बाग, पश्चिम
विहार, पश्चिम दिल्ली,
दिल्ली - 110063
Address:
S/O Rakesh Kakkar, B-488 Third Floor,
Meera Bagh, Paschim Vihar, West Delhi,
Delhi - 110063
[redacted]2066
VID : 9158 6250 4169 8723

SDB
SATRAM DASS B & CO.
ADVOCATES

Archna Yadav <archna.yadav@satramdass.com>

Advance service copy of short reply on behalf of Respondent Nos. 67 in O.A. No. 622/2024 titled as 'Varun Gulati v. State of Haryana & Ors.

1 message

Archna Yadav <archna.yadav@satramdass.com> Sat, May 17, 2025 at 6:00 PM
To: Mansi Chahal <mansichahal104@gmail.com>, Varun Gulati <jansewajanhit@gmail.com>
Cc: Chinmay Dubey <chinmay.dubey@satramdass.com>, Vijay Kumar <vijay.kumar@satramdass.com>, Shivani Chawla <shivani.chawla@satramdass.com>

Dear Sir,

PFA.

Advance service copies of short reply on behalf of Respondent No. 67 in O.A. No. 622/2024 titled as 'Varun Gulati v. State of Haryana & Ors.'

Kindly treat the same as Proof of service.

Kind Regards

Archna Yadav
Senior Associate

Satram Dass B & Co.
8A Sagar Apartment, 6 Tilak Marg, New Delhi 110001, India
E-mail: archna.yadav@satramdass.com
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Webex : https://meet155.webex.com/meet/archnayadav

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