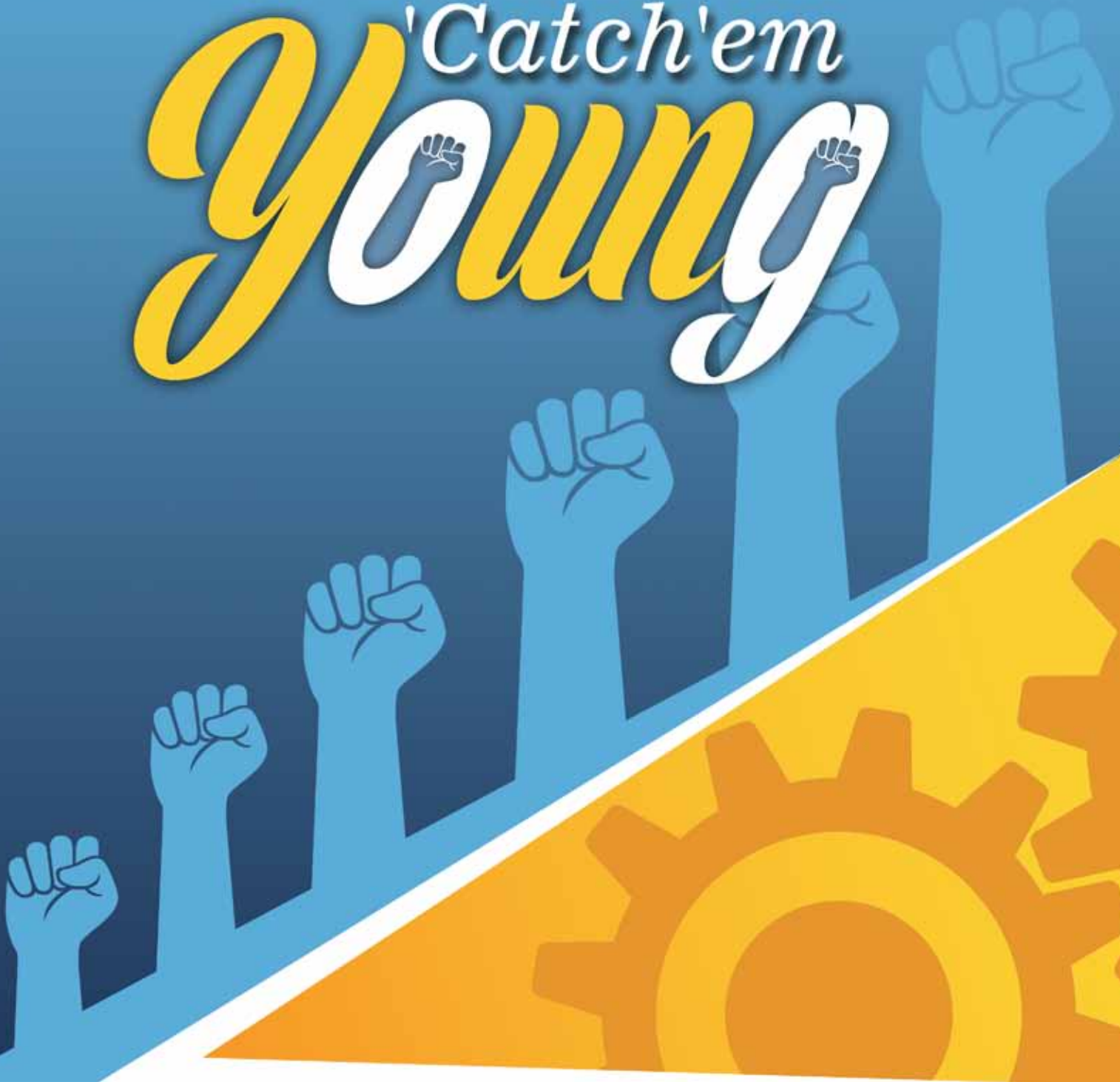


WATERWORLD

The House Magazine of WTE Infra Projects Pvt. Ltd.

Volume No 3, June 2019

'Catch'em Young



WTE Infra Projects Pvt. Ltd.

For Water And Waste Water Treatment System

WE DEAL IN

Clarifiers



Water Softeners



Reverse Osmosis Systems (ROS)



Sewage Treatment Plants (STP)



Condensate Polishing Unit (CPU)



DEALKALIZERS

CHEMICAL DOSING SYSTEM

SURGE VESSEL

CONDENSATE POLISHING UNIT

Filtration Plants



Ultra Filtration Plant (UF)



Demineralisation (DM) Plant



Effluent Treatment Plants (ETP)



Leachate Treatment Plant (LTP)



REVAMPING & AMC

ZERO LIQUID DISCHARGE PLANTS

ENVIRONMENTAL CLEARANCE CONSULTANCY

OPERATION & MAINTENANCE CONTRACTS

Index

1. Foundation day event celebrated with gaiety
- by Archana Dahiwal
2. WTE is fortunate to be serving the environment
- Shweta Shalini
3. Dream.Rise.Shine
- Commander Jayant S Konde
4. Experience is The Best Teacher
- Mahesh Landge
5. Catch'em Young
- Cover story by Archana Dahiwal
6. A God-sent opportunity for beginners
- Lavanya Chamarthi
7. A best place to work
- Abhijit Tawhare
8. Working with WTE is reward in itself
-Drumit Narkhare
- 9 . Best platform to grow
-Sandip Patil
10. Impossible is nothing!
-Amol More
11. Passion-driven to excel
-Pravin Rane

Index

Viha Media on behalf
WTE Infra Projects Pvt
Ltd produced the maga-
zine.

Address:
Office No 19, La Castia,
Ravet, Pune.

Contact: 9422008905

Website:
www.vihamedia.org
email:[archana.dahiwal@
gmail.com](mailto:archana.dahiwal@gmail.com)

12. Communication is key
- Satish Patil
13. World Water Day Blog
- by Nitin Ghadge
14. WTE Products Highlights
15. CSR: Be the sun in someone's dark sky
- by Archana Dahiwal
16. WTE Initiatives: Indrayani River cleaning
17. Wastewater treatment - a template for the future
18. Q & A with Dr Mohan P Khond
19. Client feedback
- Saint-Gobain India Pvt Ltd-Gyproc Business
20. Technical Paper For CUP by
- by Vinod R Bhole
21. Yoga a gateway to the mind
- by Linet Placid
22. WTE's Fire and Safety Program
23. Women's Day celebration
24. River Cyclothon
25. Eye Check up

Acknowledgement

Dear friends,

It gives me immense pleasure to present the third edition of WTE Infra Projects Pvt. Ltd. in-house magazine 'WaterWorld'. Our focus, in this edition is to celebrate WTE's young team, and give you some glimpses of our foundation day celebrations.

At WTE Infra Projects Pvt Ltd., the average age of more than 90% of the workforce is between 21-24. This young force has proved that they are configured with an aggressive approach to business growth. When it comes to hitting and exceeding targets, WTEs front-line warriors have hit the ground running. Shri Swami Vivekanda's belief that 'Youth is the best time,' always appealed to me. I believe that the way in which you utilize this period will decide the nature of coming years that lie ahead of you. This philosophy drives WTE when it scouts for employee.

This issue of our magazine will also take you through the various social, environmental programs and in-house activities we've had in the WTE family. WTE Infra Projects Pvt. Ltd. celebrated its 11th Foundation day on July 31, 2018 at the Auto Cluster Development and Research Institute, Chinchwad. The second edition of the company's in-house magazine 'WaterWorld' was inaugurated on the occasion. Luminaries like Shweta Shalini, Advisor to the Chief Minister of Maharashtra and Entrepreneur, Commander Jayant Konde, Administrative Head Syntel, Pune, MLA Mahesh Landge, Parinda Prabhudesai, Managing Director of Andreas STIHL and Industrialist Rohidas Gade graced the occasion. They guided our young team with their precious thoughts.

As we move towards achieving our dreams, we would like to thank each one of you, our patrons for the immense love and trust that you have bestowed upon us.



Prasad Kulkarni

Director, WTE Infra Projects Pvt Ltd.



WTE

Foundation Day 2018

Foundation day event celebrated with gaiety

By Archana Dahiwal

WTE Infra Projects Pvt. Ltd. celebrated its 11th Foundation day on July 31, 2018 at the Auto Cluster Development and Research Institute, Chinchwad. The second edition of the company's in-house magazine 'WaterWorld' was inaugurated on the occasion. Luminaries like Shweta Shalini, Advisor to the Chief Minister of Maharashtra and an Entrepreneur, Commander Jayant Konde, Administrative Head Syntel, Pune, MLA Mahesh Landge, Parinda Prabhudesai, Managing Director of Andreas STIHL and Industrialist Rohidas Gade graced the dias. Also present, were the proud hosts Ashok Kulkarni, Founder Chairman of WTE Infra Projects Pvt Ltd., Directors - Vinod Bhole, Prasad Kulkarni, Nitin Ghadge and Rangnath Ranpise. All the employees from Maharashtra were present.

The Day was marked with camaraderie and bonhomie. Games and team-building exercises were part of the celebrations. The dignitaries gave valuable, inspirational lecture to the employees.

The multi-talented Pushkar Aurangabadkar, Director & Co-Founder, Milastic Education, author, speaker, mentor and kirtankar, was a special invitee of WTE. He captivated his audience with a soulful rendition of a Corporate Kirtan. It extolled the importance of culture and its significance in day-to-day life. Mr. Aurangabadkar also conducted a workshop on team building activity, leadership skills etc.

WTE is fortunate to be serving the environment



Ms. Shweta Shalini

Advisor of Chief Minister of Maharashtra

“Youth is more suited to invent than to instruct; fitter to be on the field than in the chair, skilled to change the world than to settle for the old world,” said Shweta Shalini, while addressing the WTE employees on the occasion of Foundation day, Peppered with such insightful nuggets, her speech was well received by a rapt audience.

She said, “I was overwhelmed on learning that 95% employees at WTE are young. You all are extremely fortunate to be working in the integrated Water and Wastewater solutions sector because, indirectly, you are serving the nation by working for the noble cause of protecting the environment. Don’t see your work just as a career.”

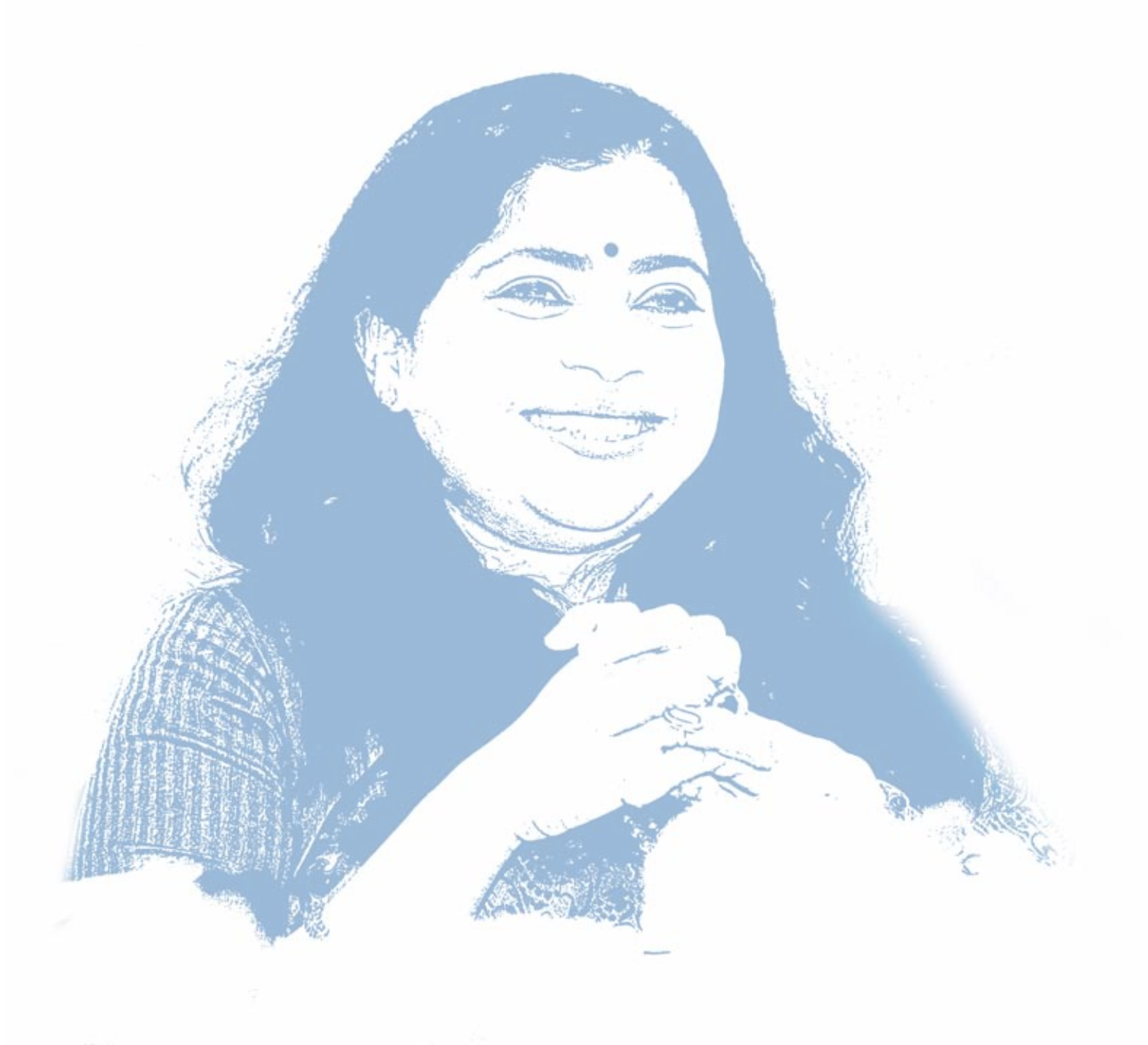
“Inspiration is the act or power of exercising an elevating or stimulating influence upon the intellect or emotions; the result of such influence which quickens or stimulates; inspiration is a slender river of brightness leaping from vast and eternal knowledge, it exceeds reason more perfectly than reason exceeds the knowledge of the senses.” avered Ms Shweta Shalini.

Speaking on the importance of inspiration, Shweta Shalini told the young employees, “Always look for inspiration. I found my inspiration in the Prime Minister of India, Shri Narendra Modi. He works round the clock, endlessly, for the Nation. He never thinks of taking rest. His hard work and dedication have inspired me. My advice to you all would be to look up to an inspirational figure. It gives direction to our lives.”

She further added that we all have to give something back to our society, nation and the environment at large. You are blessed to be working in the wastewater treatment sector. It means that you are working for water rejuvenation, which is the need of the hour. You are contributing your might to serve mankind in its quest for access to clean drinking water. You are indeed fortunate that you are already performing your responsibility.

She reiterated her belief that the youth can bring about a positive change in society.

Delving into her memory of her childhood, Ms. Shweta Shalini recounted an incident, “I always wanted to be an entrepreneur. When I told my father about this, he asked me what the word ‘entrepreneur’ meant. I explained it to him. Years later, he inaugurated the ‘Entrepreneur’s Cell of India’ at Dehradun. During his speech, he recounted that thanks to his daughter, he was introduced to the real meaning of entrepreneurs in his life.





Profile of Shweta Shalini:

Shweta Shalini is a political and social visionary who has gained a prominent position in society, due to her exemplary work. With her dynamic leadership she has brought about much desired social reforms through initiatives to empower individuals to become the backbone of an enterprising India. A persuasive orator with an engineering background, she chose to enhance and explore her career in the social and political arena. After achieving engineering and management degrees, she founded and successfully established two technology based companies. She is a unique blend of a technocrat and a politician Shweta Shalini personifies strength of a woman. She is doing major work in rural area transformation.

During her extensive travel and citizen-engagement programmes, Shweta Shalini realized that India can't become a developed country unless rural India is transformed. Her study of rural area and feedback from local citizen helped her to come up with a detailed vision of transforming rural area.

BOX: Awards and Recognition

- 1) Entrepreneur of the Year, 2011
- 2) Digital Media excellence award 2017 presented by Vijay Bhaskar.
- 3) ICICI Bank recognised in Fund Your Own worth, Your Story.
- 4) Cyber Suraksha India Award, 2017
- 5) Vithumauli Puraskar 2016
- 6) Adarsh Mahila Puraskar (Model Woman award) 2017

Shweta Shalini believes in the power and talent of today's youth. No one can drive change better and faster than the collective effort of the youth. She believes it is time the young use the power of their youth to bring about positive economic and social development. She ensures that she enables a platform for the youth to be heard in the political system. Towards this goal, she is an active supporter of Y4D (Youth for Development) an NGO formed by the youth to fulfill the vision of a better society, a responsible society.



Dream. Rise. Shine.



Commander Jayant S Konde (Retd.) | Head, Administration, at Syntel, Pune

“If you have Immense self-belief, determination, positive attitude and you refuse to give up quality, then everything is possible in the world.”, said Commander Jayant S Konde (Retd.) Head, Administration, at Syntel, Pune, while addressing the young employees of WTE.

To drive home this point, Commander Konde recounted the inspiring tale of the courageous Arunima Sinha, who became the world’s first female amputee to climb Mount Everest in 2013. Having accomplished the daunting task, Arunima did not rest on her laurels. She thirsted for more challenges. The indomitable 30-year old has now become the first female amputee to climb Mount Vinson, the highest peak of Antarctica.

CDR. Konde, then narrated the tragedy that befell Arunima, in 2011. She was travelling from Lucknow to Delhi on the Padmavati Express to get her date of birth included on a certificate. According to her, some hoodlums jumped onto the train and began robbing passengers. The brave Arunima, who was trying to protect herself and the co-passengers, was pushed off the train and fell on a parallel railway track. Unfortunately, there was another train passing on the parallel track and it ran over one of Arunima’s legs. As a result, the leg had to be amputated. Subsequently, the Indian Railways offered her a job. She was then brought to the All Indian Institute of Medical Sciences, where she spent 4 months. A private company provided her a prosthetic leg. Arunima displayed immense self-belief and determination and refused to give up. Instead of wilting under the weight of the tragedy that struck her, Arunima took charge of her life. Seized by the desire to be a mountaineer, she got in touch with Bachendri Pal, the first Indian woman to climb Mount Everest in 1984, to train under her. The rest, as they say, is history.



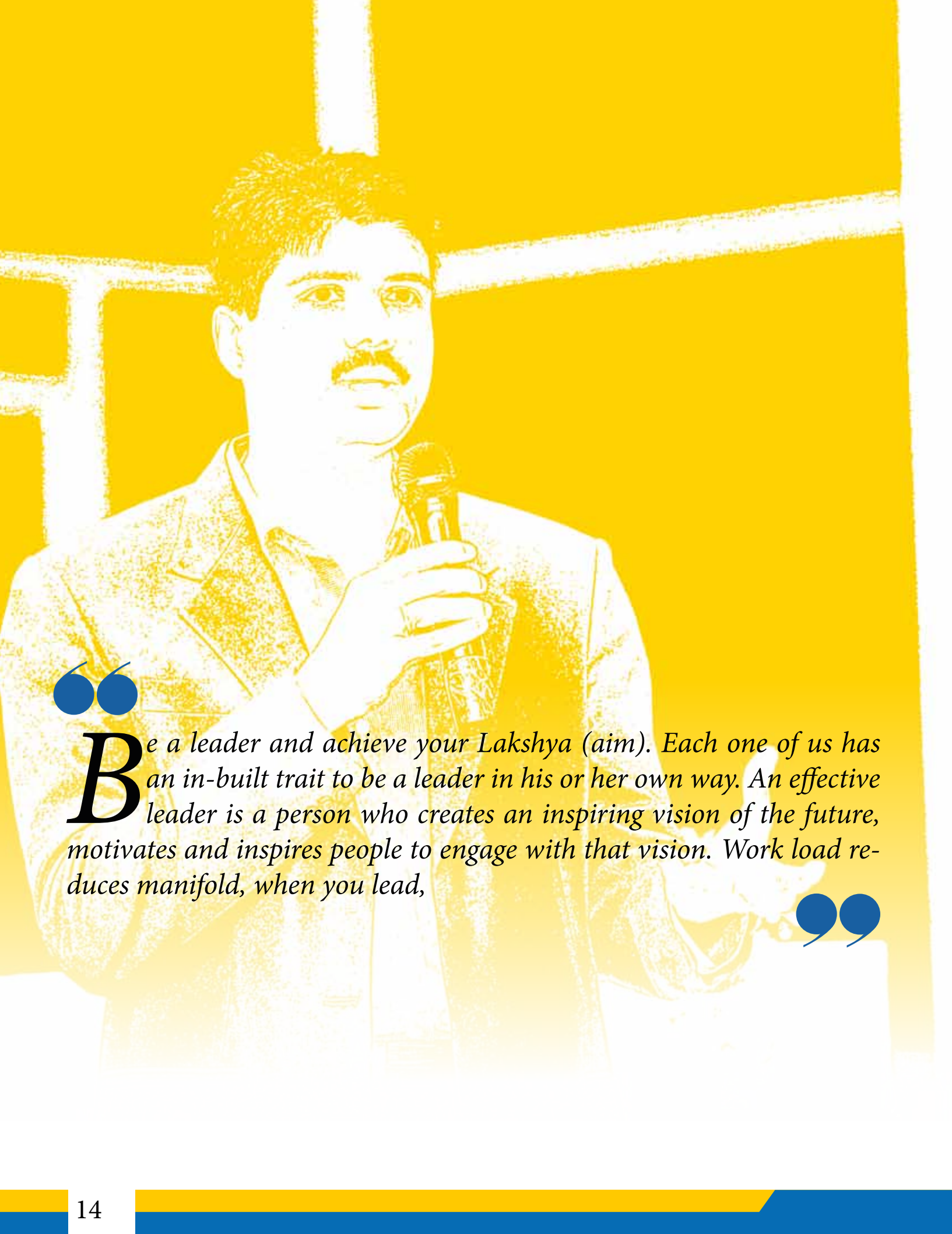
With nerves forged of steel, she soldiers on. Despite being an amputee, Arunima fueled her desire to conquer the highest peaks in the world with hard work and steady focus, turning into a hugely inspirational figure.

Apart from Everest, Arunima has also scaled Mount Kilimanjaro in Africa, Elbrus in Europe, Kosciuszko in Australia, Aconcagua in Argentina and Carstensz Pyramid (Puncak Jaya) in Indonesia, before this. Nothing stood in the way of her determination.

In 2015 Arunima was conferred the Padma Shri, the fourth highest civilian honour in India. In the same year she also received the Tenzing Norgay National Adventure award.

“Be a leader and achieve your Lakshya (aim). Each one of us has an in-built trait to be a leader in his or her own way. An effective leader is a person who creates an inspiring vision of the future, motivates and inspires people to engage with that vision. Work load reduces manifold, when you lead,” extolled Commander Konde.

His advice to the employees was that they should not confine their worlds to a nine-to-five schedule. They must strive to make the present relevant by being creative. “Yesterday is gone; tomorrow is a dream; you have the present, give it everything you have, be agents of change. I have tried to make my life more productive by keeping my ‘lakshya’ sacred. Every effort I put in was towards making my lakshya into reality. Don’t curtail your ideas, let your creativity flow. Your dreams should not have boundaries. Don’t be afraid to dream big. If Arunima could scale the highest peaks, then you can achieve the seemingly impossible, too. You must obliterate ‘I can’t’ from your dictionary,” concluded Commander Konde to rapturous applause from his spellbound audience.



“

Be a leader and achieve your Lakshya (aim). Each one of us has an in-built trait to be a leader in his or her own way. An effective leader is a person who creates an inspiring vision of the future, motivates and inspires people to engage with that vision. Work load reduces manifold, when you lead,

”



Commander Jayant S Konde (Retd) is a B. Tech (Electrical Engineering) from JNU and M. Tech (Radar and Communication Engineering) from IIT Delhi with a PGDMS from JBIMS Mumbai.

He has served in the Indian Navy for about 25 years and has settled in Pune after taking premature retirement. In the Navy, he has handled diverse roles on board warships which included Sonars, anti submarine weapons, radars, missiles, power generation and distribution networks, communication and electronic warfare systems, etc. He has also been in Naval Dockyard heading industrial workforce engaged in ship repair and modernization. He has served at Western Naval Command Headquarters and also at the Naval Headquarters as Deputy Director Naval Design, as part of the team which designed our first indigenous aircraft carrier – Vikrant, being built at Cochin Shipyard. Commander Konde retired as Joint Director of Naval EMC Centre, and is an expert on Nuclear EMP.



Experience is The Best Teacher

Mahesh Landge

MLA Bhosari

Addressing the WTE employees, Shri Mahesh Landge, MLA Bhosari Constituency, said, “Experience is The Best Teacher. It teaches me that the ultimate aim was to solve peoples issue. The visionary King Shivaji Maharaj and Dr A P J Abdul Kalam is my Guru. I learnt from them the ‘Leadership is the capacity to translate vision into reality.’

The quality of a leader is reflected in the standards they set for themselves. He created Vision 2020 for his own constituency as well as entire Pimpri-Chinchwad and the development is keenly monitored accordingly, he added further.

Landge said, “The journey of a thousand miles begins with one step. One must remain focused on the journey to greatness. The journey starts when you are self-aware and committed towards your aims and goals. My journey began from a small village in Bhosari, in Pune district.”

He added further, “I entered in politics 1999 during my college days. I always dreamt that leader should public centric that people should not follow leader but leader should follow people. Due to this approach, I became three consecutive times corporator between 2004 to 2017 and standing committee chairman of Pimpri Chinchwad Municipal Corporation in 2014. I entered in the state politics in 2014. I also won the Bhosari assembly seat on independent ticket and created history Pune region politics.”

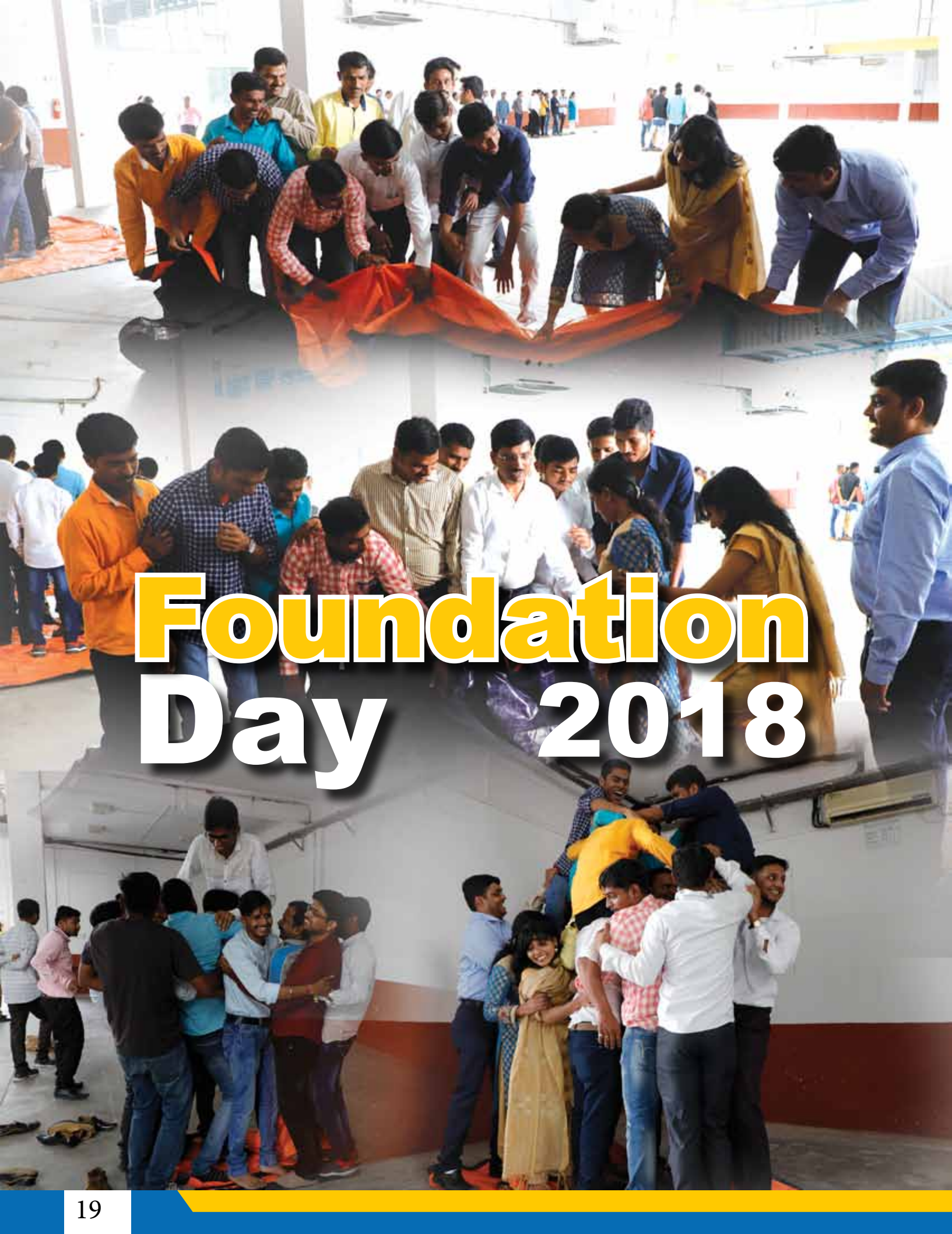
Successful people have a social responsibility to make the world a better place and not just take from it. With this thought and more, Mahesh Langde, took on the responsibility as member of Maharashtra Assembly in 2014. For someone so deeply rooted in politics, you may think it was an easy task. However, like they say, with great power comes great responsibility. Well, leadership is about taking responsibility, not making excuses. With this, Langde is available for people round the corner. A spiritual person, Langde is a part of the pilgrimage to Pandharpur during Ashadhi Ekadashi. He is working untiringly for the development of neighboring pilgrimage Alandi.





GAMES





Foundation Day 2018

Catch 'em

By Archana Dahiwal

At WTE Infra Pvt Ltd., the average age of more than 90% of the workforce is between 21-24. This young force has proved that they are configured with an aggressive approach to business growth. When it comes to hitting and exceeding targets, WTEs frontline warriors have hit the ground running.

When we address the issue of whether young blood is more preferable to old hands or vice versa we are essentially talking about a productive workforce. Productivity of workforce has multi-dimensional variables, in other words, productivity depends on how effectively and efficiently these variables are made to deliver.

WTE director Prasad Kulkarni said, "The thoughts of Swami Vivekand always appealed me. He said, 'Youth is the best time. The way in which you utilize this period will decide the nature of coming years that lie ahead of you'. This philosophy drives WTE when it scouts for employees."

Mr. Kulkarni added that there are nearly 300 employees working in WTE and among them 90% are very young. They belong to rural and urban pockets of Maharashtra. WTE does not shy away from recruiting these young rookies and time has proved that this decision has earned rich dividends.

YOUNG



Strategic aggression is a tool you need, to succeed in any business. Fresh ideas are needed to scale up business. We often find that youngsters, who have the advantage of less incumbency of status quo, have more elbow room to look at business from a fresh point of view. They are unencumbered by an umbilical chord to the existing business model. This often helps in providing breakthroughs when business looks for new ideas to propel growth.

Mr. Kulkarni proudly states that WTE gives its young workforce abundant freedom to work. The youth have comparatively lesser family responsibilities than their seniors. They are free to put in more workhours. Ambition fuels their passion. They are full of dreams to make a career, and are backed by the energy to take more workload. All they need is a platform to express themselves; at WTE, they are provided with the resources to do just that. The seniors step in with their experience and provide these youngsters a sound backing.

They are allowed to freely air their ideas, and encouraged the work on it. Talking to any young employee, one gets the impression that there is a sense of belonging, of a unit that gels together and is in perfect sync with each other. There are no clash of egos.

Mr. Kulkarni hits the nail on the head when he says that hiring managers are more often than not guilty of axing many a youthful, dedicated and talented potential at the alter of experience. Most of these youngsters are from rural Maharashtra where they have comparatively lesser avenues for growth. There is a rich talent-pool waiting eagerly to be tapped.

Most of the entry level jobs, says Mr. Kulkarni, can be done by new kids on the block. All they need is a little direction and loads of support. By investing in the youth and tapping in their raw potential, WTE has ensured that it has a committed workforce that is for keeps. They won't leave WTE for better opportunities, since a beautiful bond is in place, built on trust. They employees feel at home. Mr. Kulkarni says, delight evident in his voice, that the employees are not working here, they are living it.

Elaborating further, he says that It is easy to mould someone when they don't have any airs about them. You'll rarely find an inexperienced recruit who is conceited. They will be open to new ways of doing things. An inexperienced employee is like clay that can be moulded into any form you want. You don't have to make them unlearn anything, only guide them into learning new things

The Director mentioned that the younger workforce are more receptive to training, and more inclined to learn and update its skills. They are ever willing to embrace change, which is an important trait because an organisation needs to evolve in response to the changing business environment. Old ways of doing business may no longer be feasible or will turn redundant, hence the need for metamorphosing. Any business enterprise will wilt if it cannot change according to the external dynamics.

WTE has an ideal mix of young and experienced workforce, with the former giving much-needed momentum and spearheading growth, and the latter, devising strategies and acting as a mentoring force. It's a win-win situation.



A God-sent opportunity for beginners



Lavanya Chamarthi

Proposal Engineer

I graduated with B.Tech from GMR Institute of Technology which is affiliated to JNTU, Kakinada, in 2017. Being passionate about Chemical Engineering, I attended Graduate Aptitude Test in Engineering (GATE) coaching for year. I was keen to work with a company related to my know-how. I heard about WTE from my Maharashtrian batchmates at the GATE coaching centre. I attended the interview and met Surya Sir who gave me a clear description about WTE. I was hooked and decided to take the plunge, then and there. I was delighted that this Company showed faith in an absolute rookie like me with no prior work experience.

With no knowledge of Marathi, I was a nervous-wreck on my first day at work. I hesitated to enter into a conversation with my colleagues. This situation didn't last for long. I was accepted into the WTE family with open arms. I found myself feeling at home here thanks to the unrelenting support of my colleagues, both professionally and personally. My lack of work experience was never an impediment because of the work culture at WTE. The top management is easily accessible. They are always ready to help, and demand only sincerity, dedication and determination.

I remain indebted to Prasad Sir, Ashok Sir, Vinod Sir, Surya Sir and Nitin Sir who patiently guided me every step of the way. I am ever grateful to Swapnil Raut Sir (sales engg) and Sumedh Wakalkar Sir (project engg) through whom I got to know about WTE. Last but not the least, I thank all my colleagues for standing by me, and being accommodating and supportive. I have picked up Marathi thanks to them.

Working at WTE is challenging, but we the employees do not feel stressed. In fact, we welcome the challenges. It eggs us on to work harder. Thanks in no small measure to my proposal department for making the workplace such a welcome place to be. Every employee is content and therefore happy, which reflects in our work. Not only does WTE make us hone our skills professionally, it contributes to making us well-rounded personalities in life, as well. I meet any challenges that life throws at me, head-on instead of running away from them. That's the reason why I feel blessed to be a member of team WTE.





A best place to work

Abhijit Tawhare

Design Engineer

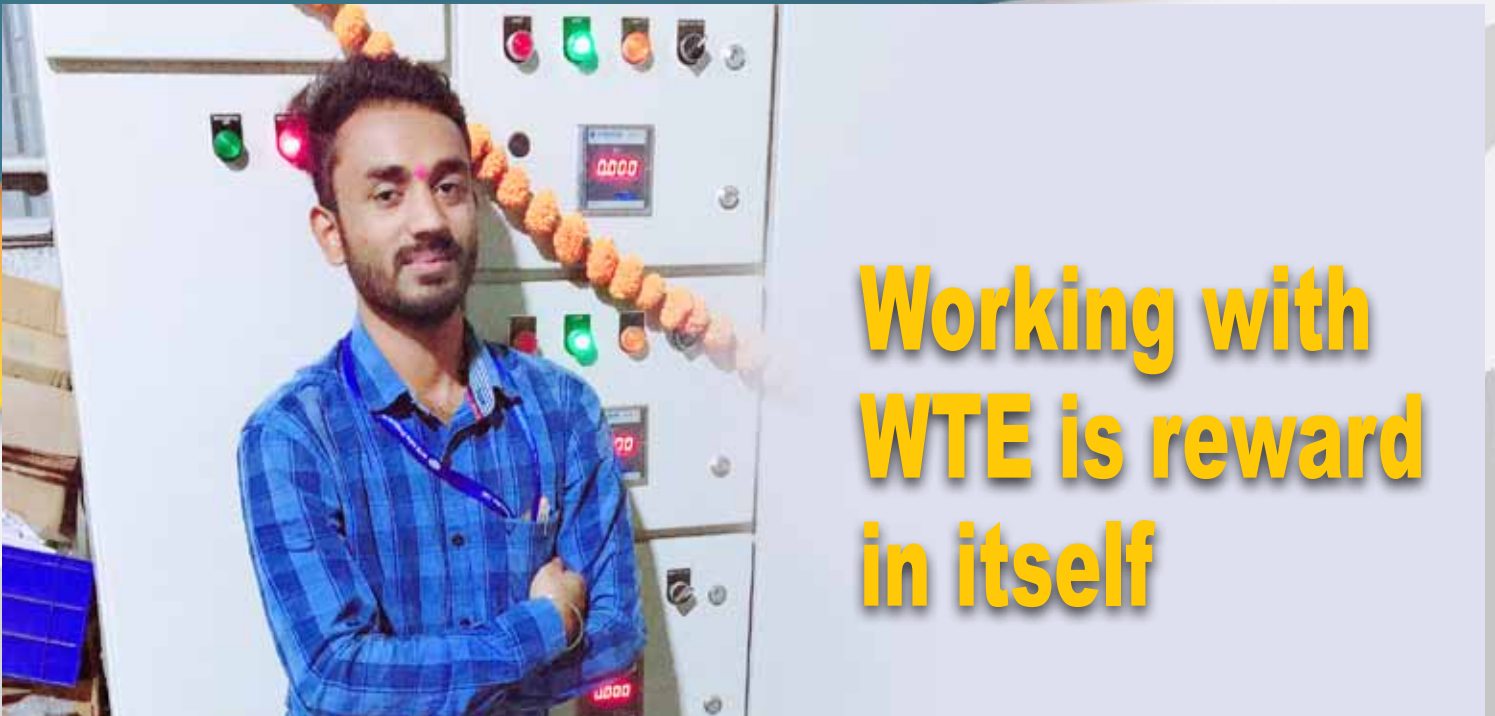
I have been a part of the WTE family since the last two years. It's a joy to be working here and I am indeed fortunate. In just two years, I have acquired a lot of technical knowledge. It shows how amazing the work culture at WTE is. If you are genuinely interested in what you do and committed to put in hard work, then the sky's the limit. WTE makes sure that your dedication is richly rewarded.

I have seen myself grow technically, professionally and personally, in the last couple of years. A beginner will always feel stressed and will be on tenterhooks at the workplace. The scene is refreshingly different at WTE. I will never forget the kindness shown by the management and my colleagues. Everyone is eager to lend a helping hand or give a gentle nudge in the right direction. I am positive that in no other workplace can a junior employee muster the courage to walk up to the top level management. At WTE, this is the norm. Every employee is encouraged to approach any of the top brass.

The Directors at WTE are the driving force. It's an ode to their work ethics that WTE is accelerating towards tremendous growth. They are never too busy to listen and lend a helping hand. These channels of communication are not just limited to our profession. They are ever ready to help in our personal lives as well. They motivate, encourage and support their employees to excel in life.

These two years at WTE have brought a positive change in my outlook towards life. I feel better equipped to handle anything without a flicker of self-doubt.

'No doubt WTE family is best place to work. I started my carrier in the company two years back. The WTE helped me to grow technically, professionally as well as personally. I have learning several things last two years. I will never forget the kindness of management and my colleagues shown in short period. The WTE family inculcated the sense of positiveness in me. My directors are really the driving force. I found motivation, encouragements, best support to stand in my life from them. The managers keeps the relations very friendly to beginners.



Working with WTE is reward in itself

Drumil Narkhare

Electrical Engineer

The work ethos at WTE is unlike any other. The management is to-notch. They are steering WTE incredibly. Their positivity percolates down to the junior most level, making everyone giving thier 100%. There is no ego clashes, even though every employee is competitive. There is always something new to learn each day. The company only expects you to bring sincerity and dedication to the table.

Electricity, I believe, is something that we cannot do without. I take immense pride in what I do and love coming to work each day. No two days are the same. I look forward to the challenges that my work brings, and the lessons I learn from it. Working at WTE is a reward in itself.



Best platform to grow

Sandip Patil

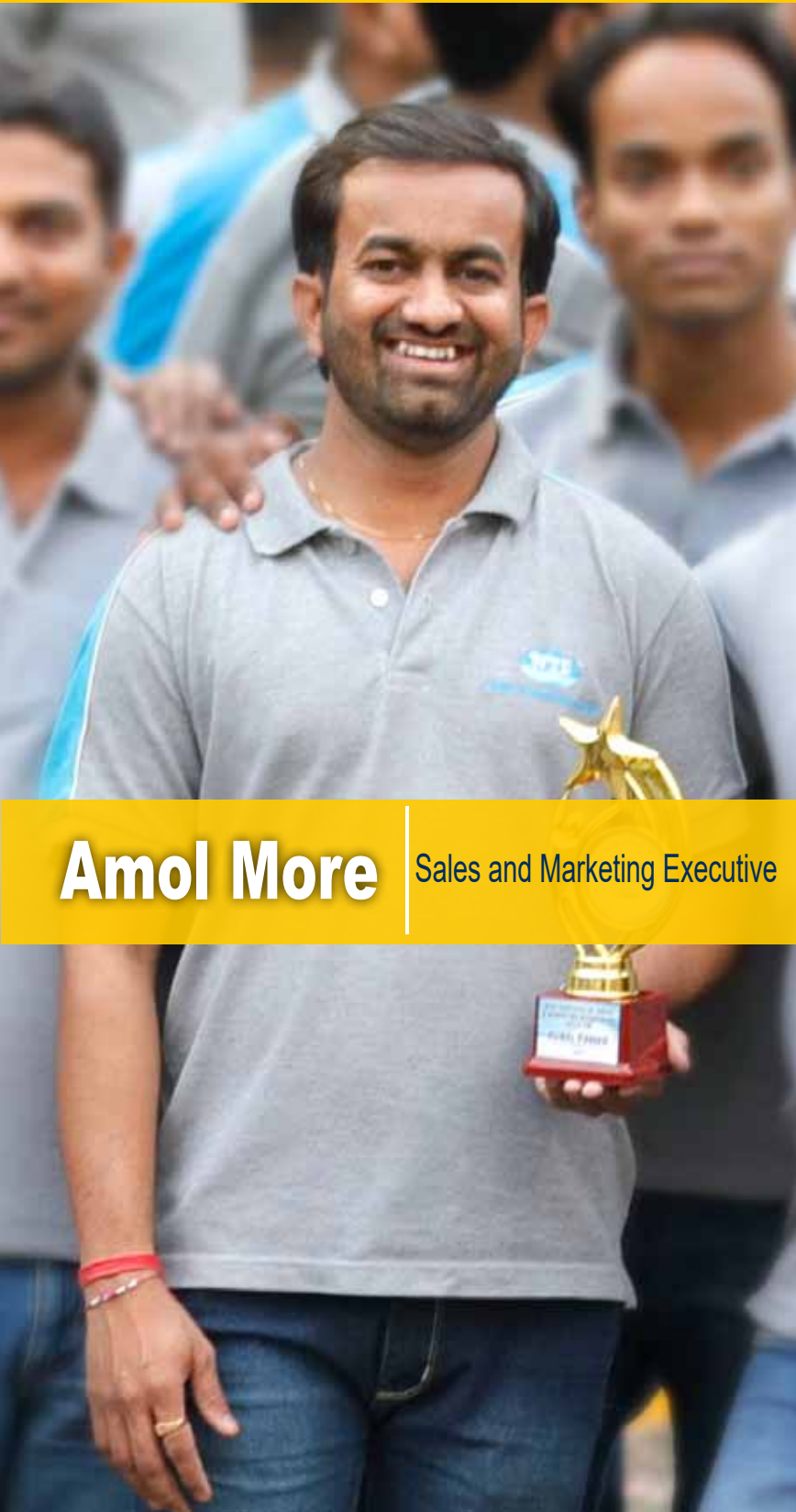
Proposal & Project Engineer, OEM Dept

My stint with WTE began seven years ago. It feels like a second family to me. I have had the most rewarding time of my life here. It has shaped my attitude towards life, and made me the confident person that I am today.

I am proud to be a member of the WTE family. The company is in safe hands with our amazingly talented Directors leading from the front. WTE has given me a platform to grow professionally and technically. I have come a long way in the past seven years. I remain indebted to the top management, my seniors and my colleagues for the unending support. The camaraderie that we share is incredible. We are a happy lot and it shows in the work that we do.

I started my carrier with WTE and from last seven years I am associating with the family. It is like my second family. It provided me best platform to grow professionally, technically. The support and encouragement I received from the managements, seniors are amazing.

Impossible is nothing!



Amol More

Sales and Marketing Executive

Amol Bhanudas More, is the Sales and Marketing Manager at WTE Infra Projects Pvt. Ltd. Full of spunk, this 27-year old, handles the markets of West Maharashtra, North Karnataka, and Goa region. He wears the cloak of confidence with aplomb.

Amol hails from Kolhapur. He completed his Bachelor of Business Administration (BBA) and went on to pursue MBA in Finance and Marketing. His talent was spotted by the WTE Infra Projects Pvt Ltd team who hired him during campus selection at his alma mater. Thus began his stint at the marketing department of WTE, in 2014. It has been an amazing journey for Amol, since then, learning, assimilating knowledge of the market, and proudly watching his Company grow from strength-to-strength.

Amol reiterates the words of his Director, Prasad Kulkarni, who says that WTE is a shared responsibility. He cites Mr. Kulkarni's call to his young vibrant, workforce - 'To achieve growth 'CHANGE' is very necessary. Upgrade yourself to fit into the new world, increase credibility. Commit yourself with diligence. Give your 100%. One can achieve the target on their own will-power.' His words of advice finds resonance in this young achievers heart.

Amol has come a long way since he took his first baby steps in the company, just four years ago. It's an ode to his resilience and vision that WTE has entrusted him with such a wide market spread over three states. He is equipped with the flair to carry it off.

We get the feeling of his commitment and pride in WTE as we talk to him. Sharing his experience with 'WaterWorld', Amol said, "I joined as fresher in the company. A complete greenhorn, I was scared because I do not have an engineering or science background. WTE Infra Projects Pvt Ltd products and its functions revolve around these two fields. I wasn't sure if I would be able to navigate these waters, My Directors and seniors boosted my confidence, and I took off."

Amol goes on to the finer aspects of marketing. He says that a masterful grasp of technique and content is a must to succeed in sales. You must know your product inside out. Only then can you reach out to your customer. Sincerity and trust are the hallmarks that make your relationship with your customer, watertight.

Coming from a non-technical background, was it difficult navigating these waters, we ask. He avers that it wasn't a walk in the park. His innate qualities helped. Amol said, "I have been a very outgoing person who loved meeting people, right from childhood. I was very inquisitive, and would garner new information and developments. My curiosity would be quipped, and I would use all resources be it Google or YouTube to understand it further." That he had a group of like-minded friends, also helped; they would always exchange ideas and information.

Refusing to lose sleep over his non-technical background, Amol dived headlong into the world of WTE, using every available resource to understand the functions, applications, science and technology of the products. He rightly says, "It is necessary that one must have deep understanding of the product before marketing or selling it." His seniors helped him immensely to kickstart his career. He visits the office at Chakan only for meetings. Amol says that he is greatly indebted to the magnanimous senior management for helping him with his queries over the phone, saving him time and effort in the process.

From a novice just a few years ago, Amol has transformed himself admirably. He recently bagged the 'Best Growing Employee' award. The award speaks volumes about his dedication and chutzpah. He got a cash prize of one lakh. Amol is the proud owner of a new car.

Amol is an asset to WTE. At such a young age, he independently manages a vast area of sales and marketing. How does he manage, we ask. "Time is off essence. We need to marshal our resources, brilliantly. Planning is of utmost importance. If I am in Goa, I make sure that I synchronise all my meetings, so that time isn't wasted."

He accords his success to a happy marriage of integrity, commitment dedication and hardwork. Having a world-class product to market is a tremendous plus, he adds. “Timely delivery along with an enviable pre-and-post delivery service are the hallmarks of WTE. Customer satisfaction is inviolable at WTE. We are always there for our customers, no matter how minuscule the issue might be. Happy customers are the bedrock of a successful company, “ Amol reiterates.

Talking about achieving sales targets, Amol says that it should be taken as a challenge. One must happily rise to the occasion, putting your best foot forward. “You won’t always bag a contract. There will be days when nothing seems to go your way. With time we learn that there are good days and bad. Experience teaches us to harness our disappointments and channelise the energy to propel ourselves forward. Everything has a solution,” says the affable young man.

WTE has secured an indisputable reputation by being a thoroughly professional company. In a very short span of time it has made its presence felt, especially in Goa, North Karnataka and West Maharashtra. A majority of sugar factories are using WTE products, declares Amol, proudly.

The young workaholic isn’t willing to rest on his laurels, yet. He is already commenced work on conquering the next front. Amol’s earnestness shines through as he gives us a glimpse of the roadmap ahead, “we have already established ourselves in the sugar industry sector. The next target will be to focus on textile industries, dairy industries, and such like.

The symbiotic ambience at WTE Infra Projects allows for a free exchange of ideas. It incubates talent. The future of WTE looks promising with such talented young men propelling it. Amol reveals a sharp mind that is poised for more success, when he says that it is his dream to see WTE build STPs (sewage treatment plants) in the sea. As the world grapples with acute water shortage, recycling of water will be the best solution to tackle our ever increasing water needs.” Wise words, indeed!

Amol More is certainly future-ready. He embodies what Winston Churchil says, ‘Kites rise highest against the wind, not with it,’



Passion-driven to excel

Pravin Rane | Sales Engineer

WTE bustles with youthful energy at all times. A major chunk of its workforce is under thirty. It's a cluster of winners, all raring to give their best. 27-year old Pravin Ravindra Rane is an emerging star from this ever-thumping cluster.

'WaterWorld' had a tette-a-tête with this senior sales and marketing manager from Buldhana, Maharashtra. Excerpts from the conversation

How did you become part of the WTE family?

I am a Mechanical Engineer, who graduated in 2013. Pursuing an MBA seemed the next logical step, so I appeared for CAT (Common Admission Test). I had a month of free time on my hands before college would start. Destiny played its cards well, it seems. My cousin suggested that I come down to Pune and join WTE. He was convinced that the experience of working with a dynamic and fast evolving company like WTE would give a strong boost to my career. The advice was pragmatic and I took it. I joined as a service engineer. Little did I know that it was the beginning of a life-affirming journey. It was meant to be, and here I am.

How did you fit in?

My core subject being mechanical helped. An in-depth knowledge of your product is a crucial rung, if you intend to climb the ladder of success in a marketing career. WTE is an integrated water and wastewater solutions Company. 70% of our products are based on sound mechanical aspects. Thanks to my background, .

When you work at WTE, the vibrant culture rubs on you. WTE is a melange of ideas. Everyone has a voice; no one is stifled. The work-culture is such that seniors go out of their way to help youngsters grasp the nitty-gritties. Rookies like us are given a lot of freedom. The management sticks with you as the challenges of the market, strike you, thick and fast.

What is your blueprint for the future?

The future looks promising. We want to become leaders in ZLD (Zero liquid Discharge) products. ZLD is an advanced wastewater treatment technology that is in perfect consonance with the times, as water scarcity stares us in the face. Freshwater is alarmingly depleting. Water is essential for the survival of life as well as industry. The latter, not only uses the meagre resources, it also contaminates it by releasing effluents that finds its way to water bodies or seeps into the soil, damaging both, land and water. The situation is grave, and calls for instant attention and arrest.

ZLD is a treatment process that aims to obliterate all liquid waste from the system. It converts the wastewater into clean water that is suitable for reuse. Not only does it greatly reduce the environmental damage, but it augments water resources, too. It is economically viable since it saves money by recycling and purifying almost all the wastewater generated.

Zero liquid discharge (ZLD) is an engineering approach to water treatment where all water is recovered and contaminants are reduced to solid waste

ZLD will prove to be a messiah for a world grappling with acute water shortage. Can WTE meet the challenge?

I am proud to be part of WTE Infra Pvt. Ltd. which is a globally-recognised Company. It's a staggering achievement in itself for a company this young. WTE has achieved this by providing advanced technology that is eco-friendly and cost effective. Our services are top-notch, backed by an effective after-sales service. This is proved by our ever growing customer base. We have state-of-the art infrastructure which enables us to do everything from designing, operations and maintenance at the plant itself. So, I believe that WTE is well equipped to meet any challenge.



Communication is key

Satish Patil Project Manager

Satish Patil, Project Engineer at WTE Infra Projects Pvt. Ltd. hails from Alibag, in Konkan. He holds a Bachelors Degree in Chemistry and a Diploma in Water Quality Management. He bagged his first job in 2006, and has worked his way up the corporate ladder, meticulously garnering experience over the past 12 years in the water purification sector with such giants as Concept India Pvt Ltd and Eureka Forbes.

With an appetite for progress and challenge as his calling card, Satish Patil joined WTE. Though his stint at WTE is just a year old, he knows he is set for a long innings. 'WTE,' Mr. Patil reiterates, 'has the key to unlock the potential of any talent pool.'

“Over the past decade, I have worked with a lot of firms, and have been exposed to different kinds of work culture. Each place was a unique experience; I have been exposed to diverse experiences, learnt and assimilated a lot. The ethos at WTE is refreshingly different. It works as a well-oiled unit. The top management is incredibly involved with every level of the workforce,

says Patil, enthusiastically.

In most companies, power is vested in the upper echelons, decisions are taken and it percolates downwards, meant to be strictly adhered to. It takes a lot of time and effort for an employee to be heard.

“Open communication channels,” Mr. Patil sums up, “is the mantra at WTE. The top management is extremely receptive. They have created an atmosphere conducive to the free exchange of ideas. No one is expected to toe the line. In fact each employee is encouraged to chart his/her own course. The employees don’t feel constrained. Each person feels valued, and therefore eager to repay the faith bestowed on them. I feel a strong sense of belonging here. When you enjoy what you do, stress flies out of the nearest window. In all these years, I’ve never come across such a vibrant culture.”



I can contact the Directors straight away without going through the usual channels. Things get sorted out quickly, saving valuable time. I feel encouraged to share any new ideas, clear doubts with them. Such freedom is liberating. It's a space where everyone is working towards one goal - that of blazing a trail for WTE. I absolutely look forward to coming to work everyday.



It's not all work and no play at WTE. The athletic Patil is a sport enthusiast with a passion for cricket. He devours books related to sports. He sounds genuinely delighted when he talks about the interest WTE shows in promoting sports activities for its employees.



Not just sports, WTE invests in various spheres such as social, cultural, health, security, and most importantly, the environment. It motivates its employees to pursue diverse interests. The mind and body are well taken care of at WTE. A sense of responsibility sans the pressure is beautifully stimulated at the workplace. Each one of us is aware of the work we do in saving water, the most precious resource. The onus is on us and we are ready to meet any challenge.



“Onward and upward, with our best foot forward...” signs off Mr. Patil as he concludes his chat with WaterWorld



22 MARCH
WORLD
WATER DAY

BLOG

World Water Day

Nitin Ghadge
Director

World Water Day is an annual day observed on March 22 by the United Nations to highlight the importance of freshwater. “Leaving no one behind,” the theme of this year’s Water Day, is an adaptation from the 2030 Agenda for Sustainable Development. One of the goals of the Sustainable Development, a coordinated developmental action by the United Nations, is “water for all” which means ‘leave no one behind’ without water. The theme envisages the fact that all people need to be fed with sufficient water to meet their water needs at homes, schools, work-places, public spaces, etc. This will satiate people’s biological and hygienic necessities of water. A properly water-fed person is possibly a healthy person.

The Day is celebrated around the world to raise awareness about conserving water through activities like seminars at schools and universities. Michigan University conducted “Best Water Day poster’ contest in 2017. Groups and advocates dedicated to water conservation raise public awareness through media debates. Non-governmental agencies like UNICEF, Water Aid , etc. bring the topic to the public domain through various publications, short-films, etc. on the eve of celebrating Water Day.

Water is the lifeline of life, so saving water is saving life. News of groundwater depletion due to over usage by humans is out there. We are using groundwater at a rate which is higher than the rate at which the mother nature can replenish itself with water - an alarming situation which will have huge implications for future generations. We have a responsibility to reverse this trend by using water in a responsible way. Hence, every individual has a responsibility to conserve water. Optimum use of water for cleaning utensils; closing of water-pipes intermittently while water is not actually needed at certain times during the usage period; prompt repair of leaking water-pipes, etc. are some of the measures an individual can take at his/her home as a responsible user of water. We also need to show our social responsibility by raising awareness about responsible use of water, besides, making ourselves get involved in public activities connected with water conservation.



WTE Products

- A. HRSCC**
- B. FILTRATION**
- C. SOFTENER**
- D. ULTRA FILTRATION**
- E. REVERSE OSMOSIS**
- F. DEMINERLIZATION**

A. HRSCC

The raw water is first passed through the clarifier. The clarifier serves the purpose of reducing suspended solids, colloidal silica & removal of heavy metals. The Solids Contact Clarifier works on two basic principles of coagulation/Flocculation and Hydraulic Separation. Coagulation & Flocculation occur in the flocculation zone when the feed stream comes in intimate contact with chemical mixtures and the suspended sludge particles from previously treated water. This contact also promotes floc growth as smaller particles agglomerate into larger heavier particles.

The Hydraulic separation principle uses an up flow design to move water into the settling zone for clarification.

The sludge from the HRSCC will be led into the sludge drying bed. The HRSCC collection tank will be in RCC and in customer's scope. Kindly note that the civil drawings for the HRSCC tank will be provided by us. We will supply the internals of the tank including draft, recirculate, flash mixer, gearboxes, inlet and outlet collection launders. Along with the chemical dosing system. The water will then be collected in clarified water tank (In customer's scope).



WORKING OF SOLIDS CONTACT TYPE CLARIFIER:

It is a high rate water treating clarifier which produces treated water of highest quality with minimum time, space and chemicals. In High rate solids contact type clarifier, coagulants and large quantities of recirculating precipitates are thoroughly mixed and are retained in intimate contact for a prolonged period of time in the draft tube and cone sections of the solids clarifier. The intimate contact between the water, coagulants and previously formed precipitates causes the chemical reactions to proceed at a rapid rate with minimum of treating chemicals. Furthermore, by contacting the water with the great volumes of precipitates in circulation, maximum clarification of the water can be obtained by the adsorptive properties of the precipitates, or flocs formed.

The draft tube and the impeller, which is driven by the variable speed drive is essentially a low-lift vertical pump. With the impeller operating in the proper speed range, recirculating sludge is drawn into the lower draft tube around the bottom of the draft tube extension and flows up through the draft tube assembly and discharges near the top of the cone. The raw water and treating chemicals are introduced to this recirculating sludge stream below the impeller where they are thoroughly mixed to produce uniform results with minimum chemical consumption. After leaving the upper draft tube, the water and recirculated sludge flows downward beneath the cone, where one portion of the top stream will flow into the sedimentation zone and finally rise to the collection flume, while the remaining portion of the stream will flow back to the lower draft tube for continued recirculation.

Settled sludge is moved continuously along the floor towards center of unit by means of a slowly rotating scraper which covers the entire floor area. The accumulated sludge is transferred to sludge pit at the center of the unit where sludge thickening pickets concentrate the sludge thereby reducing the total amount of blow down. The excess sludge is removed from time to time to avoid build-up of same. The clear water is collected by means of collector pipes and taken to the point of further treatment/use.

It can be seen that the design features of the solids contact type clarifier provide the three zones necessary for proper clarification:

- a) Rapid mix zone, where raw water gets recirculated & precipitated and fresh reagents are rapidly mixed together.
- b) Slow mix zone, where gentle mixing permits floc formation and brings the flocs into intimate contact with the suspended impurities.
- c) Clarification or settling cone, where the upward flow (rise rate) is reduced to a low value to permit the precipitation to settle out.

B. Filtration

CHLORINATION

The raw water will be chlorinated by dosing (NaOCl) Sodium Hypochlorite solution by means of a metering pump. Chlorination serves the purpose of disinfection, in case bacteria are present in raw water. It is also useful for oxidation of ferrous ions to ferric state. The chemical is dosed by means of an electronic dosing pump wherein a facility is available for manual control of stroke length and stroke frequency.



MULTIGRADE FILTER

The water is passed through a Multi-grade filter to reduce the suspended solids present in the raw water. This filter is provided to keep a check on the suspended solids. The suspended particles in the raw water get entrapped in the filter media. The filter will have to be washed with effluent water for 10 to 15 mins daily.

ACTIVATED CARBON FILTER

Activated Carbon Filter shall be used for de-chlorination of filtered water. Water from the sand filter will pass through the ACF where the excess Chlorine will be removed along with undesired Color and Odor. The filter should be backwashed once a day for 10 to 15 mins with filtered water.

PROCESS

The MGF filter has a multiple layers of sand media with different sizes. The media has special surface properties due to which the small colloidal particles get attached to the surface. Due to this property the MGF filter is used where fine colloidal particles need to be removed. Particle size trapped by MGF is far too smaller than the conventional filters. The performance of MGF further improves with coagulant dosing at the inlet.

The MGF is designed for a MAXIMUM load of 50 NTU turbidity to produce outlet water of less than 5 NTU turbidity. The MGF removes particulate turbidity of >40 microns. However, should the turbidity increase more than 50 NTU at the inlet of the filter, OR particulate size required is less than 40 microns, coagulant chemicals will have to be added prior to MGF with sufficient retention time.



C. UF PLANT

Ultra filtration is membrane filtration process in which considered for removal of bacteria, colloidal silica, TSS & turbidity up to below detectable limit. & thus to reduce SDI of water to increase the efficiency of RO unit by eliminating choking of RO membrane. It includes hollow fiber membrane.

UF system forces like pressure or concentration gradients lead to a separation through a semi permeable membrane. Suspended solids and solutes of high molecular weight are retained in the so-called retentate, while water and low molecular weight solutes pass through the membrane in the permeate.



D. SOFTENER PLANT

In this process hard water is converted into soft water. Thus the calcium and magnesium ions responsible for the hardness in the incoming water, are replaced

by the less harmful and acceptable sodium ion thereby making the water soft. All the hardness, both temporary and permanent, present in water is removed. The hardness is easily reduced to commercial zero



E. REVERSE OSMOSIS PLANT

SODIUM META BISULPHATE /ORP ANALYSER

To prevent any residual chlorine from entering the Ro system and causing fouling of membrane a SMBS Dosing & ORP Analyser with auto dump valve is provided .In case the residual chlorine in water is high the auto dump valve will activate to prevent water from entering the system.



ANTISCALANT DOSING SYSTEMS

To reduce the scaling tendency of calcium and magnesium over RO –membrane they are dosed With Antiscalant to reduce the fouling the membranes .This will improve the life and efficiency of the membrane .Acid and antiscalant dosing will prevent the fouling of the membrane due to high concentration of the salts in reject by inhibiting the activity of low solubility salts like calcium and silica

REVERSE OSMOSIS

Reverse Osmosis process is a membrane process in which a synthetic semipermeable membrane is used to separate water from dissolved impurities. When a semi permeable membrane separates a dilute and concentrated solution of salts, due to osmosis, the water from the dilute solution side passes through the membrane to the concentrated side till osmotic equilibrium is attained. Now, if the pressure is applied and increased gradually on the concentrated side, the flow of water continues to reduce till the applied pressure is equal to the osmotic pressure. Any pressure in excess of the osmotic pressure reverses the direction of flow of water and water from the concentrated side enters the dilute side. This process is called the Reverse Osmosis. It is very essential to ensure that the water fed to reverse osmosis membranes is free from particulate matter, scale-forming salts of Ca & Mg and silica to prevent membrane fouling. Also, the water should be free from organic matter, heavy metals and oxidizing agents like free chlorine.

REVERSE OSMOSIS UNIT:

The Reverse Osmosis Unit comprises a high-pressure pump, pressure tubes and membranes as the main components. The high-pressure pump boosts the feed water to a pressure required to desalinate the water. About 70% of the feed water is available as the permeate (product) and the balance is the reject from the system. The reject is disposed to drain.

LIMITING CONDITION OF FEED WATER TO RO UNIT

Turbidity: <1 NTU
SDI: <4
Bacteria and organics: NIL
Temperature: 45 deg. C (max.)
Free chlorine: Nil
Oil and grease: Nil
BOD & COD: Nil
Heavy metals: Nil

SODIUM META BISULFATE / ORP ANALYZER

To prevent any residual chlorine from entering the Ro system and causing fouling of membrane a SMBS Dosing & ORP Analyzer with auto dump valve is provided .In case the residual chlorine in water is high the auto dump valve will activate to prevent water from entering the system.

ANTISCALANT DOSING SYSTEM

To reduce the scaling tendency of calcium and magnesium over RO –membrane they are dosed With Anti-scalant to reduce the fouling the membranes .This will improve the life and efficiency of the membrane .Acid and anti-scalant dosing will prevent the fouling of the membrane due to high concentration of the salts in reject by inhibiting the activity of Low solubility salts like calcium and silica.

HYDROCHLORIC ACID DOSING:

To adjust feed pH to acidic to prevent Scaling on the membrane elements

REVERSE OSMOSIS SYSTEM

Reverse Osmosis process is a membrane process in which a synthetic semi permeable membrane is used to separate water from dissolved impurities. When a semi permeable membrane separates a dilute and concentrated solution of salts, due to osmosis, the water from the dilute solution side passes through the membrane to the concentrated side till osmotic equilibrium is attained. Now, if the pressure is applied and increased gradually on the concentrated side, the flow of water continues to reduce till the applied pressure is equal to the osmotic pressure. Any pressure in excess of the osmotic pressure reverses the direction of flow of water and water from the concentrated side enters the dilute side. This process is called the Reverse Osmosis.

F. DEMINERALIZATION PLANT

Demineralization involves two ion exchange reactions. Initially, the CATION such as calcium magnesium & sodium are removed by HYDROGEN ion (H^+). The salts thus converted into their respective acids by this exchange. The acidic water is then passed through an ANION exchange where the anions such as sulfates chlorides etc., are removed by HYDROXYL (OH^-) ions.

It is regenerated with a strong acid the reverse process taking place because of Hydrogen ions being present in high concentration in the regenerant acid (either HCl or H_2SO_4)

The ANION exchange resin contains active amine groups & the OH radical replaces the anions like SO_4 & Cl . & the strong basic anion exchange resin is regenerated with Sodium Hydroxide (Caustic Soda).

The following equations will give an indication of the reaction involved during service cycle.



• Hydrogen Cation Exchange

- $R-SO_3H + NaCl \rightarrow R-SO_3Na + HCl$
- $2R-SO_3H + CaSO_4 \rightarrow (R-SO_3)_2Ca + H_2SO_4$

• Strong Basic Anion Exchange

- $R-(NH_3)OH + H_2SiO_2 \rightarrow R-(NH_3)HSiO_2 + H_2O$

When the supply of exchangeable ions within the resin is exhausted the treated water quality deteriorates & the resin requires regeneration i.e. re-conversion into the operating form.

The CATION exchange resins with mineral acid such as Hydrochloric Acid or Sulfuric acid. The strongly basic ANION exchange resins are regenerated with Sodium Hydroxide (Caustic Soda); the processes are as below:

• SAC REGENERATION

- $R-Na + HCl \rightarrow R-H + NaCl$
- $R_2-Mg + H_2SO_4 \rightarrow 2R-SO_3H + MgSO_4$

• SAC REGENERATION

- $R-Cl + NaOH \rightarrow R-OH + NaCl$
- $R-HCl + NaOH \rightarrow R-NaCl + H_2O$

DEGASSIFIERSYSTEM - DGT

Treated water from the strong acid Cation exchanger is fed to the degasser tower to reduce carbon dioxide content. The degasser tower is a packed column (Pall Rings) where water, sprayed from top of the packing, breaks into fine droplets, thereby increasing the surface area for contact. These droplets come in contact With a countercurrent flow of air supplied by degasser fans. In the scrubbing action, therefore, the unstable carbonic acid is broken into water and carbon dioxide. The air containing liberated carbon dioxide is vented and degassed water (Free from alkalinity or carbonic acids) is collected in the degassed water tank, from where it is pumped to the anion exchanger.

MIXEDBED-MB

Mixed Bed Polisher:

The mixed bed polisher consists of a special vessel into which are loaded both strong base anion and strong acid cation resins. The cation resin, being denser, is always on the bottom of the vessel after backwashing.

The regenerant piping is designed so that caustic enters the top of the vessel, flows down through and regenerates the strong base anion resin, and exits the side of the vessel near the interface between the anion and cation resins.

Similarly, the hydrochloric acid enters from the bottom of the vessel travels upwards through cation resin, regenerates it, and flows out of the middle collector of the vessel to the drainage. Prior to the addition of the caustic, the vessel is filled with water and kept under pressure (blocking flow) to insure that no caustic channels down to the cation resin before it leaves the waste line

MORPHOLINE DOSING SYSTEM

The mixed bed water is further dosed with Morpholiene for increasing the pH to the required level.

CSR

Be the sun in someone's dark sky

By Archana Dahiwal

'Be the sun in someone's dark sky' is a beautiful quote by author Matshona Dhliwayo. It's the very heartbeat of mankind. Every business must give back to society. It's part of Corporate Social Responsibility (CSR). CSR is a humane and heartening concept. It is the yardstick to measure the progressive quotient of any business, along with its economic growth; a triumphant movement of conscious giving for social change.

This philosophy is the guiding light for the CSR initiative at WTE Infra Projects Pvt. Ltd., says its Director, Prasad Kulkarni.

One example of its many CSR activities is the work done by WTE Infra Projects Pvt. Ltd. at Midgulwadi village, located in Shirur Tehsil of Pune district in Maharashtra. A small village of approximately 200 households, the nearest town is Shirur which is about 30 kms away. The waves of progress and modernity have completely ignored this tiny village.

Agriculture is the main occupation of Midgulwadi. Farming is rainfed. Rain is the only source of water for the villagers. Except for the rainy season which is between June to August, the scenario is rather bleak.



Sunil Midgule, the ex-sarpanch of Midgulwadi, speaking to WaterWorld, laid bare the woes that befell his village before WTE stepped in. Stressing on the severe water shortage that his people suffer from, he said, “Midgulwadi is at the mercy of rains for its water needs. The rest of the year we have to depend on water tankers. We need four tankers of 14,000 litres daily. The government bears the cost of the tankers which is a great relief for us.

The water supplied by these tankers was of dubious quality, but we had no other option. The people, especially children suffer from various water-borne diseases like jaundice and stomach ache. Having no other choice, we had to continue depending on these tankers inspite of the health scare it posed.”

It's in this dismal state of affairs that WTE offered a beacon of hope. His voice dripping with gratitude, Mr. Midgule said that WTE Infra Project Pvt. Ltd. donated an RO system to the village in 2018. “They gave us the gift of clean drinking water. Ask any villager how precious this gift is,” he beamed.

The RO plant filters the water from the tanker, making it absolutely safe to drink. The village has witnessed a sharp fall in water related diseases. A local representative has been appointed who is entrusted with the responsibility of distribution and maintenance of the plant.



WTE Infra Projects Pvt. Ltd. donated pure drinking water System to Midgulwadi villagers



WTE Infra Projects Pvt. Ltd. did not limit itself to this benevolent task. It spread its ambit to further help the children in the village. Gratitude, after all, begins in our hearts and slowly harmonises into behaviour. Giving is sowing a seed, a seed that will produce a great harvest of fruits that contribute to a common good.

Stating how it all began, Mr. Midgule said, “About five years ago, my village came in contact with WTE Director, Mr. Prasad Kulkarni. He adopted a few of the 30-odd children in the village, to provide for their educational needs. My village has a primary school. For further education, our children have to trek to the nearest school which is almost 7 kms away. Commuting to these far away schools posed a challenge for the children, as there is no mode of transport available. It was extremely considerate of WTE to provide them with bicycles, so the children could commute easily. Besides this, they pay their school fees and provide educational materials, too. Every year, on Republic Day, WTE distributes sweets, uniforms and other educational paraphernalia to our children. They’ve contributed to not only ensuring that our children have access to safe drinking water but also that they have a shot at making their future bright. Midgulwadi remains indebted to WTE,” he concludes.

Delving on the sincerity of their purpose, Kulkarni says, “At WTE Infra Projects Pvt. Ltd, CSR isn’t just a social service programme. We believe that in order to find a solution, one must first ensure that one isn’t part of the problem!



WTE Director Prasad Kulkarni inaugurated the safe drinking water system

Thus, our CSR is a thoughtfully designed project, firmly entrenched in the motto of making every drop count. It is also focused on the immediate environment and making a relevant difference to the lives of communities it touches.”

Elaborating on the importance WTE gives to CSR, the affable Director further adds, “CSR is planned as a long term intervention taking into account people’s aspirations and expectations. All our projects are centred on sustainable development and implemented through thematic areas such as livelihood creation, education, health, management of natural resources and the preservation of the environment. Besides, no matter what area one chooses to concentrate on, clean water is a prerequisite to all good things.

WTE purification project have touched the lives of many a village. It has stepped in to alleviate the misery of Kusur, a small village about 100 km away from Pune, the birthplace of none other than Chhatrapati Shivaji Maharaj. The great warrior king was born in the fort of Shivneri, in this village, making this a place of great historical significance. As the entire village was dependant on the bore well for drinking water, 70% of the population suffered from kidney stone. The worst-affected were naturally young children, the most vulnerable group of the populace. By setting up purification facility here, WTE managed to drastically reduce the occurrence of kidney stone in Kusur.

To quote Denzel Washington, ‘At the end of the day it’s not about what you have or been or what you’ve accomplished...it’s about who you’ve lifted up, who you have made better. It’s about what you have given back.’ WTE has proved to be a company with a conscience.



Director Prasad Kulkarni inspecting the location for installation of safe and pure drinking water system at village

World

Water

Day

To mark the World Water Day, the employees of WTE Infra Projects Pvt Ltd took the task of cleaning river Indrayani. Nearly 90 employees of WTE family removed around five trucks of water hyacinth from Indrayani river near Moshi ghat. The Indrayani river water has got extreme importance at pilgrim places of Alandi and Dehu.





जलशक्ति

2011-2012, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

जलपर्णी काढणास 'डब्ल्यू. टी.ई' कंपनीचा पुढाकार

इंद्रायणीने घेतला मोकळा श्वास



। विपरी विचवड ।
प्रतिनिधी ।

पाणी व सांडपाणी प्रक्रिया उद्योग क्षेत्रातील नामोकिट डब्ल्यूटीई इन्फ्रा प्रोजेक्ट प्रा. लि. कंपनीचे १० कर्मचारी आणि अविरत श्रमदान यूपचे जागतिक जलदिनानिमित्त मोशी येथे इंद्रायणी नदीतील जलपर्णी काढण्यात आली.

स्वच्छता राखण्याचा दिला संदेश...

गेल्या काही दिवसांपासून अत्यंतच जलपर्णी काढण्याचे काम सुरु आहे. जंगलतोड, वाढते शहरीकरण आणि निसर्गाभोवत आकाशवाणी मानवी हस्तक्षेप यामुळे जलसमस्या अनिश्चितता येत आहे. त्यामुळे मानवाभोवत, पौधन समस्या म्हणून जलसमस्या उभी आहे. त्यामुळे सर्वत्र स्वच्छता राखा असा संदेश यावेळी देण्यात आला. डब्ल्यूटीईच्या कर्मचाऱ्यांसह अविरत श्रमदान यूपचे डॉ. निलेश लोंढे या अधिपानात सहभागी झाले होते.

जागतिक जल दिनानिमित्त इंद्रायणी जलपर्णीमुक्त

विपरी, प्रतिनिधी

पाणी व सांडपाणी प्रक्रिया उद्योग क्षेत्रातील डब्ल्यूटीई इन्फ्रा प्रोजेक्ट प्रा. लि. कंपनीचे १० कर्मचारी आणि अविरत श्रमदान यूपचे जागतिक जलदिनानिमित्त मोशी येथे इंद्रायणीतील जलपर्णी काढण्यात आली. तसेच स्मशानघाट परिसराची साफसफाई करण्यात आली.

इंद्रायणी नदी जलपर्णीमुक्त झाली आहे. नदीचा धास कोंडला आहे. इंद्रायणीला जलपर्णीमुक्त करण्यासाठी विविध सामाजिक संघटना काम करत आहेत. भोसरीचे आमदार महेश लांडगे यांच्या नेतृत्वाखाली संस्थांच्या माध्यमातून जलपर्णी काढण्याचे काम सुरु आहे.

सामाजिक उपक्रमात अग्रेसर चाकण येथील डब्ल्यूटीई इन्फ्रा प्रोजेक्ट प्रा. लि. कंपनीतर्फे जागतिक जलदिनानिमित्त जलपर्णी काढण्यात आली. यामध्ये कंपनीच्या तब्बल १० कर्मचा-



यांनी उत्स्फूर्त सहभाग घेतला. जंगलतोड, वाढते शहरीकरण आणि निसर्गाभोवत अवाजवी मानवी हस्तक्षेप यामुळे मानवाभोवत जलसमस्या उभी आहे. त्यामुळे सर्वत्र स्वच्छता राखा असा संदेश या वेळी देण्यात आला. डब्ल्यूटीईच्या कर्मचा-यांसह अविरत श्रमदान यूपचे डॉ. निलेश लोंढे या अधिपानात सहभागी झाले होते.

मोशी येथील इंद्रायणीतील जलपर्णी काढताना कार्यकर्ते.



Tandon Urban Solution Pvt.Ltd

Wastewater treatment - a template for the future

By Archana Dahiwal & Linet Placid

Water is a tasteless, colourless liquid. Yet, it is the first thing we reach for when our throats are parched. Water is the elixir of life. Barren lands get a carpet of green with its magical touch. There would be no agriculture without water. It keeps us and our surroundings clean. Our industries need water. Birds, animals, insects...every bit of life on earth needs water to survive.

‘Water is precious, save water’ has been a mantra that has been taught to us right from kindergarten. Yet, that simple message isn’t adhered to. Like most cliches, it is just an echo that fails to register. Access to clean drinking water is turning into a luxury in many parts of the world. Groundwater resources are fast depleting, thanks in no small measure to man’s greed and unsustainable development. Two out of ten people in the world, don’t have access to clean drinking water. People need to stop and ponder to let the magnitude of the problem sink in.

In such a depressingly stark scenario there is room for survival. Shining a light of hope at the end of a rather bleak tunnel is the wastewater treatment sector. It is an idea whose time has come. The world has geared up to its potential. The last two decades has seen a sea change in the perception of waste water treatment. There has been a seismic shift in the approach towards saving this precious resource.

Waste water treatment - the India story

The water and wastewater treatment market received a boost during the period of 2004 to 2014. The government took a keen interest in this crucial matter. Under the Jawaharlal Nehru National Urban Renewal Mission (JnNURM) several water and wastewater projects were conceived and executed. In June 2015, the Atal Mission for Rejuvenation and Urban Transformation (AMRUT) was launched. The aim of this scheme was to ensure adequate robust sewage networks and water supply for urban transformation by implementing urban revival projects. The Swachh Bharat Abhiyan has had an invigorating effect, too. The focus is slowly shifting to the rural areas as well. Tier three towns and cities are likely to be targeted in the near future.

Waste water sector and drinking water - a symbiosis

The world has reached a stage where the two sectors are deeply interrelated. Wastewater treatment and reuse is a worldwide trend. The effects of this change in outlook towards wastewater becoming a source of water, is a positive sign. By becoming alternate water sources, wastewater treatment plants will take some pressure off the natural sources of water.

Tertiary treatment and membrane based processes like Membrane Bioreactor (MBR) and Reverse Osmosis (RO) will provide the key to the endeavour towards making treated wastewater hygienic and safe for drinking. The idea here is to reduce stress on the much-abused fresh water sources.

Progressive countries like Singapore and Australia are already drinking recycled water. They have proved beyond a shadow of doubt that recycled water is safe to drink, and that it will ease water shortage. Wastewater undergoes extensive and thorough purification. It's a proven fact that wastewater has lesser contaminants than existing treated water supplies!

Scientists who have reviewed epidemiological and other studies of recycled water from the past forty years have come up with astounding results. They have debunked popular misconceptions and presented robust evidence that recycled water represents a source of safe drinking water.

In most of the developed countries that lay emphasis on recycling wastewater, it has been seen that this water replenishes tender ecosystems where wildlife, fish and plants are left vulnerable when water is diverted for urban needs. It also recharges groundwater aquifers.

India is warming up to the idea

The penny has finally dropped that we can no longer ignore the crisis that stares us in the face. India needs to inoculate itself against acute water shortage. Political will is favourable and the bolstered efforts have successfully garnered the attention that it merits. All wastewater generated has to be collected, treated and reused to the extent possible. Although late, India is now on course to boost wastewater treatment and reuse.

Water treatment segments set to grow

The growth in water and wastewater treatment segments may be safely expected to be of the order of 10 to 10 percent year on year during the next two to three decades. However, the emphasis will shift from water to wastewater treatment and reuse.

Key factors to winning business in India

Deep understanding of the various facets of the evolving water and wastewater management sector based on sound domain knowledge and international exposure to the development of several treatment process and technology options and the application of this knowledge in the optimal design of the procurement process will contribute significantly to winning business in India.

Political will makes it a smooth ride for the wastewater treatment segment

Barring the financial constraints and the formatting of projects on realistically developed financial models suitable and viable for the public private partnerships, there are no other barriers given that political will prevails.

It is extremely critical for the government to encourage and enforce the right and optimal water management strategies. Fortunately, this is happening in India.

Contracting models adopted by the industry for global markets

The challenge of treating effluents that are a complex mixture of different chemicals

The solution emerges out of our prior experience, analytical studies and characterization of wastewater, expert linkages with research institutes and scientists and environmental engineers and laboratory and field studies referenced from similar industries and treatment plants globally.

Water recycling/reuse - the only way forward

A huge body of effluents from industries finds its way to the oceans and water resources, further harming an already depleting source. Wastewater treatment provides twin solutions. It ensures that our water bodies aren't contaminated by effluents and also provides water for reuse.

Wastewater treatment and reuse is the sole solution to navigate the chasm between severely depleted water resources and demand.

(Input shared by Amit Rajan, Business Development Head of Tandon Urban Solution Pvt. Ltd.)



Dr Mohan P Khond

Associate Professor, Mechanical Engineering Department,
College of Engineering, Pune

1. How is the water and wastewater treatment market evolving in India?

The India WWT technology market, on the basis of technology, can be broadly segmented into microfiltration (MF), ultrafiltration (UF), nanofiltration (NF), and reverse osmosis and also segmented based on the application as follows: healthcare, energy, municipal, industrial, food and beverage, and others. The Indian WWT technology market has been estimated at USD XX.XX billion in 2015 and is projected to reach USD XX.XX billion by 2020, at a CAGR of 11.68% during the forecast period.

2. What are your views on future opportunities in the area of drinking and waste water sector?

The India WWT technology market, on the basis of technology, can be broadly segmented into microfiltration (MF), ultrafiltration (UF), nanofiltration (NF), and reverse osmosis and also segmented based on the application as follows: healthcare, energy, municipal, industrial, food and beverage, and others. The Indian WWT technology market has been estimated at USD XX.XX billion in 2015 and is projected to reach USD XX.XX billion by 2020, at a CAGR of 11.68% during the forecast period.

3. What are the factors contributing to winning business in India in your industry?

More efficient Low cost technology

4. What are the barriers for in the water and waste water treatment segment in India?

- Lack of awareness
- Lack of public-private partnership on wastewater management
- Apathy by some governments
- Lack of a cohesive nationwide campaign
- Imbalance in the amount of wastewater and treatment plants

5. What are the various contracting models adopted by the industry to execute water projects globally?

- Public -private partnership
- Engineering procurement and construction
- Build ,operate and transfer model

6. Why Wastewater Treatment In India is no longer optional?

Since last two decade it has been observed that that the rainfall is not regular and constant so it is crating the problem not only for the agriculture sector but it is creating a shortage even for domestic purpose like drinking water. At the same time continuous growth in the population it is creating the acute shortage of water to satisfy the requirement of public, industry and other sectors. And the third significant reason ids ground water table is also dropping down because of construction work and deforesting which creating hurdles to percolate of water in the soil strata. It is essential to at least use the available water more effectively. Hence reutilization of water is no longer optional. At same time the pollutant water is adversely affecting in following manner:

- Harmful effect on river and marine life
- Lack of drinking water
- Overabundance of certain harmful chemicals, some of which are chronic
- Adverse effect on groundwater
- Soil pollution
- Rise in chronic health conditions related to toxic chemicals like lead and mercury in all living creatures
- Rise of pollution in coastal area so Wastewater Treatment In India is no longer optional

8. How critical is for the government to encourage adoption of right water management strategies to achieve its 'Make in India' and 'Smart Cities' objective?

Unfortunately in our country it has been found that because of diversity , demographic disparities, geographical variation, political interferences It is very difficult to execute adaptation of right waste management strategies to achieve its make in India and smart city objective however it is the need of an hour to unite for cause of water harvesting, water reutilisation , waste water treatment, and water saving movements . Treat water as most precious resource for national builing.

9. Is water recycling/reuse one of the most effective way of handling two critical issues facing the industries – water availability and handling of effluent & wastewater?

Yes, Wastewater treatment plants in India have become an important part of the landscape — vital in maintaining the health of our people and the land.

Note: You can reach to Dr Mohan P Khod on Mobile. No. 9423023902 Office No.-02025507238

Client feedback



Dharmendra Chothani | Project Manager-Cogen, Saint-Gobain India Pvt. Ltd.

Saint-Gobain India Pvt Ltd-Gyproc Business has installed WTE Infra Projects Pvt Ltd.'s wastewater treatment facility at its premises at Jhagadia Industrial Estate, Bharuch, Gujarat, in March, 2018.

Dharmendra Chothani, Project Manager-Cogen, Saint-Gobain India Pvt. Ltd. - Gyproc Business said that the Company aimed at achieving Zero Liquid Discharge and signed up WTE Pvt. Ltd. impressed by its proven track record in the field of wastewater treatment.

He is all praise for the professionalism displayed by the market leaders WTE Infra. He said that they were receiving positive results after the installation of WTE system. He added that their input consumption reduced by 5 %.

On his experience of doing business with WTE, Mr. Chothani sounds positive - WTE is a customer-focussed organization, and their wastewater treatment system is world-class. We are happy with our association. They are doing exceptional work in two critical areas faced by the industrial world, namely, making water available for re-use and treating effluents and wastewater. We wish WTE Infra Pvt. Ltd. all the best for a bright future."

Technical Paper For CUP



Prepared by Mr. Vinod R Bhole (Director)
WTE Infra Projects PVT. Ltd. Pune

CONDENSATE POLISHING UNIT PLANT

Introduction

Sugar production in India has been cyclic in nature. An estimated 75 % of the population depends on the sector either directly or indirectly. Sugar industry is also expected to develop further, thereby offering more employment opportunities to a number of semiskilled and skilled workers in the rural areas of the country thereby contributing towards their development. The sugar industry also supports diversified ancillary activities and skills that support the local economy. The dependent population creates substantial demand for local goods and services. The sector also has major social and economic impact on the nation as it is a green industry and is largely self-sufficient in energy needs through utilization of bagasse for generating electricity and steam. In fact, the sugar industry generates surplus exportable energy through cogeneration and contributes to reducing the energy deficit that India is currently facing. Sugar cane is grown in semi-tropical region and accounts for around two third of world sugar production. Since sugar cane is used as the input for the manufacture of sugar, sugar industry is getting large production from sugar cane growing states in India namely Andhra Pradesh, Tamil Nadu, Gujarat Karnataka, Maharashtra and Uttar Pradesh.

2. Statement of Problem

Present sugar industries are facing lots of challenges and problems in total water management in the industries which is leading them face legal actions from statutory board. Increase in production capacity, variation of cost of sugar tax and duty on production and availability of Total water management, operation and maintenance, troubleshooting of ETP in sugar industry source of water and cane and its transportation has lead to have a serious look to address the issues pertaining to water management in many of the sugar industries.

2.1 Process involved in sugar manufacturing process

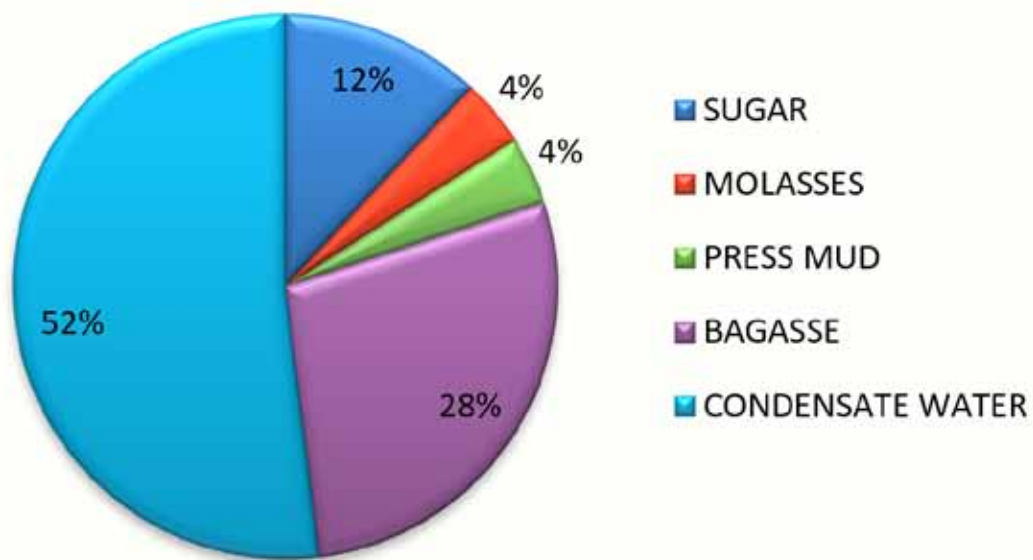
Sugar is manufactured in following stages:

1. Extraction of juice from sugarcane milling.
2. Clarification of juice.
3. Concentration of juice by evaporation to syrup.
4. Crystallization of sucrose by vacuum pan distillation.
5. Centrifugal separation of sugar & molasses from the massecuites.
6. Drying & cooling of sugar.
7. Sugar grading & packing.

OVERVIEW OF SUGAR INDUSTRY & ITS PRODUCTS, BYPRODUCTS RANGE

Sugar industry is one of the major industrial sectors in India. Water management in this industry is one of the major problems as water is most essential but scarce resource in developing countries.

Sugar industries products & byproducts:



NECESSITY OF CPU:

Sugar cane itself contains 70-75% water & it comes out through condensate from evaporators & pan. Out of this, 20-25% excess condensate having traces of sugars. Karkhana can utilize this excess condensate after removing of sugar traces for cooling tower make up, washing in process area, equipment cooling. Due to this saving of intake fresh water of approx 20-25% & this will leads to a well maintain water managements in the sugar industry & causes reduction in the requirements of fresh water. In this way sugar industries can be well maintained.

TYPICAL PARAMETERS FOR RAW CONDENSATE & AFTER TREATMENT:

PARAMETERS	INLET ANALYSIS	OUTLET ANALYSIS
pH	4-5	7.0-8.0
COD	500 mg/lit	< 50 mg/lit
BOD	200 mg/lit	< 15 mg/lit
TSS	50-100 mg/lit	< 10 mg/lit
TDS	100-200 mg/lit	< 500 mg/lit
AMMONICAL NITROGEN	< 25 PPM	< 5 PPM

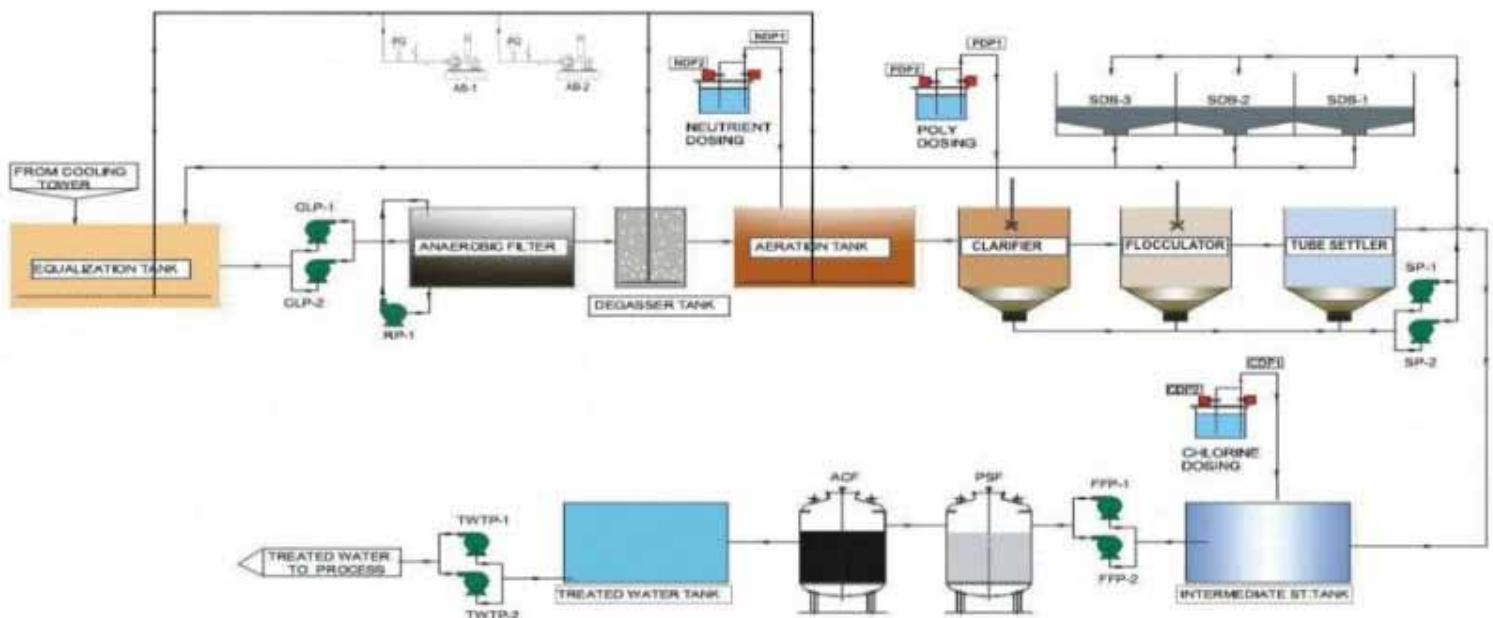
END USES OF CPU TREATED WATER:

1. Cooling tower make up water for distillery & co-gen.
2. Raw water reservoir make up.
3. Fermentation process in distilleries.
4. Co-gen DM inlet with suitable pre treatment.
5. Use as a cooling media for mechanical parts of mills & turbines.

TREATMENT SCHEME FOR CPU

1. Primary treatment
2. Hybrid Treatment (Anaerobic + Aerobic)
3. Degasification/Stripping
4. Clarification
5. Filtration + Disinfection
6. Ready to utilize

Block Diagram For CPU



SALIENT FEATURES

1. Based on Anaerobic and Aerobic Process.
2. Odorless treatment.
3. Finest outlet water quality.
4. Easy to handle Organic varying load.
5. 100% Treated Water recycled & reused.
6. Very easy to operate & maintain.

WTE INSTALLATION

We have successfully executed such type of systems @ Daund Sugar (ISGEC), GSL (KBK), BSWL, Renuka Sugar, Shivsagar Sugar etc. & many more ongoing projects.



WTE KEY STRENGTH

1. Our Technical Expertise
2. Innovative & Proven Technology Provider
3. Cost Effectiveness
4. Dedicated Team Work
5. Quality Products
6. Mutual Benefit
7. Timely Delivery
8. Reliable Services
9. Outstanding 24*7 Service

WTE Infra Projects Pvt. Ltd, an ISO 9001:2008 certified company, one of the finest manufacturers, supplier and exporters of this commendable range of Water & Wastewater Treatment Plants, was established in the year 2007. One of the major product i.e. Condensate Polishing Unit having high preference in the sugar market, make up this range.

Manufacturing of this range, done as per the industry set guidelines, utilizing the finest raw materials and advanced machinery, its performance, service life, strength and precision is widely acclaimed.

In addition, the offered product's reasonable pricing, commendable packaging and timely delivery, makes us one of the finest providers of this commendable range of CPU.

Prepared by Mr. Vinod R Bhole (Director)
WTE Infra Projects PVT Ltd Pune
9822110661
<http://www.wteinfra.com>

YOGA

a gateway to the mind

We live in a fiercely competitive world which offers no respite. No one wants to stop for fear that someone might be a tad faster, and overtake them. We don't have a moment to stop and smell the roses. The pressure of deadlines, of buying a better car than a neighbour, going on that coveted foreign trip, to tip the competition to bag that promotion...forms the kernel of today's fast-paced world. In the relentless pursuit to succeed, the first casualty is our health - both mental and physical. Unmanageable stress is a natural outcome, omnipresent, lethal, yet ignored.

We live in a fiercely competitive world which offers no respite. No one wants to stop for fear that someone might be a tad faster, and overtake them. We don't have a moment to stop and smell the roses. The pressure of deadlines, of buying a better car than a neighbour, going on that coveted foreign trip, to tip the competition to bag that promotion...forms the kernel of today's fast-paced world. In the relentless pursuit to succeed, the first casualty is our health - both mental and physical. Unmanageable stress is a natural outcome, omnipresent, lethal, yet ignored.

The towering national icon, BKS Iyengar, often explained how yoga generates energy in the body. While performing asanas, cosmic energy flows through the body. It is a powerful tool. Done correctly, yoga leads to absolute consciousness, a connect with the soul. Giving voice to your soul, helps you to free yourself from the stranglehold of negativity. In an interview with Prannoy Roy, Iyengar said,

“Yoga has vibrancy and ferocity like the youth and that’s why they need it; yoga will give them virtuosity.”

Yoga is more than being a mere stress buster. It is science, therapy and art, all rolled in one. It focuses on precision and proper alignment of the body. It is the gate for the mind and the consciousness to grow close to the self. When one meditates, it helps to unfold the unfading beauty of the human spirit. Yoga is, therefore, the purest form of devotion.

Tat Tvam Asi (that thou art)

Yoga is a way of life. It calls for discipline, dedication and practice. Tat tvam asi means that if you connect with your inner self, if there is awareness in every cell of your body, then you don’t have to know anything else because it’s all your own creation. To think of yoga as just another fitness mantra is to do it great injustice.



Pranayama

Every breath we take, keeps us alive. It's pure magic, yet it's so taken-for-granted that it does not merit our attention till such a time as it becomes laboured. BKS explained this life-affirming act as only he could. He explains that Brahma- the creator, Vishnu - the organiser and Maheshwara - the destroyer, come together in this dance of life that every pulsating heart is punctually performing. Brahma is to inhale, while Vishnu makes energy reach each nerve cell to rejuvenate them; finally, Shiva is exhalation, it releases the toxins, hence the destroyer.



Corporate/ Employee Wellness Programmes.

Every breath we take, keeps us alive. It's pure magic, yet it's so taken-for-granted that it does not merit our attention till such a time as it becomes laboured. BKS explained this life-affirming act as only he could. He explains that Brahma- the creator, Vishnu - the organiser and Maheshwara - the destroyer, come together in this dance of life that every pulsating heart is punctually performing. Brahma is to inhale, while Vishnu makes energy reach each nerve cell to rejuvenate them; finally, Shiva is exhalation, it releases the toxins, hence the destroyer.



The four-fold merits of meditation at the workplace

Yoga, helps us overcome stress as deep breathing calms us down. Many poses have a stress releasing effect. People doing Yogasanas together, develop kinship, it builds trust among the employees. A rejuvenated mind, body and spirit translates into a happy workplace. Yoga renders an alert mind which in turn sharpens problem solving skills and enhances overall activity. The sky's the limit, then!

Yoga helps one to learn the art of concentration; makes one to concentrate whilst balancing the body, lest one should fall.. A person doing an asana concentrates completely on the task at hand, obliterating everything around from disturbing him/her, because if the body wavers, the mind wavers, if the mind wavers, the body wavers. Constant practice thus unleashes the power of the human mind. Besides, it helps tone our muscles, giving us a firm posture, stability and flexibility.

Pranayama

Yoga inspires; it is a shot-in-the-arm to enhance overall activity. Besides Pranayama, there are many asanas that help. Gomukhasana calms down your mind. Suryanamaskar can be performed anywhere and everywhere. These set of 12 exercises is a complete workout in itself because it exercises every part of the body. Veerbhadrasana is exactly what the doctor orders for those stuck at their desks for long hours. It enhances concentration and helps declutter the mind.

Such yoga workshops speak a heartening vocabulary. Excellence needs application, and constant practice. It demands a personal commitment to persevere. Yoga should be an indispensable requirement, for anyone with a beating heart. Let's say a vehement yes to this miraculous, life affirming practice.

*Article writer by Linet Placid
Kochi based Journalist and Yoga trainer*

WTE's Industrial

Fire & Safety



Program

By Archana Dahiwal & Linet Placid

The ancient Greeks used to believe that everything in the universe was made up of four elements, namely, air, water, earth and fire. They saw fire as a symbol of rage and power. Fire is one of nature's strongest forces and must be handled with utmost care. Every year, fires are responsible for 6% of deaths at the workplace, in India; the tragedy is that most of these deaths could have been avoided with a little know-how. It's staggering to note that most people are unaware of what to do in a fire.

According to a survey conducted by FICCI India Risk Survey, 2018, a major chunk of the workplace hazard pyramid is taken up by fire-related accidents. The situation is alarming, but can be mitigated with proper maintenance of infrastructure; fire safety drills in the workplace can prove to be of great benefit for all the people working in industrial units.



‘Break glass in case of fire’ is a sign that we are all familiar with. Those ubiquitous red fire extinguishers we see in malls, cinema halls, auditoriums, at our workplaces, etc. are not part of the decor. How many of us would know how to use it in case a fire breaks out? The possibility of a fire breaking out could be a simple matchstick away. Despite it being an ever present danger, we pay scant regard to safety measures and their implementation.

The law stipulates that every employer must organise fire-safety drills once a year for employees. Fire drills involve providing practical knowledge about using fire fighting equipment, teaching safe evacuation procedures, familiarising the employees with the nearest exit routes to take in case of an emergency, and most importantly, to not panic, but remain calm. When employees are familiar with such techniques, an organisation becomes a truly safe place to work in.

WTE Infra Projects Pvt Ltd organized a ‘Fire and safety drill’ for its employees. A team from Oustfire Safety Engineers imparted training to WTE employees, regarding fire and safety.

They ensured that the employees were ready with practical know-how on how to respond in case a fire breaks out. The topmost priority, when fire breaks out, is to safely evacuate everyone out of the affected premises. Employees were made aware about the importance of keeping calm because panic clouds judgement. They were familiarised with safe exit points.

“ *Director Prasad Kulkarni had these words of wisdom*

The most important asset on our premises, are without doubt, my employees. Their safety is our priority. Precious lives can be saved if we are well prepared in case such a tragedy strikes. Besides, saving lives, fire safety training can prove helpful in containing fire on the premises so as to minimise damage to the property, as well.



Learn how to properly use a fire extinguisher

- Know where fire extinguishers are located and which extinguishers to use for the specific type of fire. Ensure that these fire fighting equipment is in mint condition and fir for use. Declutter access routes to the fire extinguishers. Ensure that exit routes are not blocked to allow easy access.
- It's important that everyone in the workplace is prepared for a fire. Workers need to know what to do in case a fire occurs and how to work together to effectively stop the advance of a fire
- Dispose of all wastes, be it construction debris, used rugs etc. as they all act as fuel in case a fire breaks out.
- Hazardous materials and places should be marked clearly with proper signage.

All electrical equipment should be properly maintained by trained electricians only. All machinery must be properly lubricated and regularly serviced so as to prevent fire hazards.

- Smoking areas should be clearly demarcated, so as to avoid any accidental fire.





Women's day

The women employees of WTE Infra Projects Pvt Ltd visited Prerna Rembo House, Girls Ashram, near Talegoan Dabhade. They spent whole day in Ashram and distributed stationary material to the Ashram.





River Cyclothon

WTE Infra Projects Pvt Ltd. employees took part in Cyclothon Pune. The purpose of the event is to spread awareness about the Indrayani Clean River mission. A 25 km river cyclothon was flagged out to save river Indrayani in the city.



Eye Check up

WTE Infra Projects Pvt Ltd, had organized the eye-check camp for its employees at Chakan Plant.



‘डब्ल्यू. टी. ई’ कंपनीतर्फे मोफत नेत्ररोग तपासणी शिबिर

शिबिरी : प्रतिनिधी

कामाच्या ताणतणावात आरोग्याकडे दुर्लक्ष होऊन नवे पासवर्ड डब्ल्यूटीई इन्फ्रा प्रोजेक्ट प्रा. लि. कंपनीच्यावतीने वर्मचाण्यांमधील प्रशिक्षण देण्यात आले तसेच मोफत शिबिरांची तपासणी करण्यात आली. चाकण येथे मुक्ताबाब शास्त्रींच्या कार्यक्रमासाठी डब्ल्यू. टी. ई. इन्फ्रा प्रोजेक्ट प्रायव्हेट लि. कंपनीचे संचालक अशोक कुलकर्णी, विनोद पोळे यांच्यासह वर्मचाणी उपस्थित होते.

१२५ वर्मचाण्यांची या मोफत नेत्ररोग तपासणी शिबिराचा लाभ घेतला. कॉर्न-टीव्ही केअर रुग्णालयाच्या संयुक्त विद्यमाने हे शिबिर पार पाडले. डॉ. हरिश घाटील यांनी रुग्णांची तपासणी केली. यांचे योग्य सुचना साधुके यांनी

कर्मचाऱ्यांना योग्यपणे पडते विले. कर्मचाऱ्यांना मार्गदर्शन करताना ते म्हणाले की, शरीराला तंदुरुस्त ठेवण्यासाठी योग्य अत्यांत प्रवाची आहे. नियमित योग्य केळ्याने शारीरिक आणि मानसिक आरोग्य चाहते. आजकालच्या धावपळीच्या जीवनातील योग्याने महत्त्व दिवसेंदिवस वाढत चालते आहे. तुम्ही शारीरिक आणि मानसिक त्रासांवास्तुन दूर राहू इच्छित असाल तर, योग हा अत्यांत योग्य आणि फायदेशीर उपाय असल्याने ते म्हणाले.

नियमित योग्य केळ्याने मानसिक ताण तणाव कमी होण्यास मदत होते. सकाळी उठून तुम्ही जर प्राणायाम आणि मेडिटेशन करता असाल तर, पूर्ण स्विस शुद्धता नक्कीच आनंद आणि उत्साही वाटेल.



Our Product range includes :



- ▶ CLARIFIER SYSTEM
- ▶ FILTRATION PLANT
- ▶ SOFTENER PLANT
- ▶ ULTRA FILTRATION PLANT
- ▶ REVERSE OSMOSIS PLANT/DEALKALIZER
- ▶ DEMINERALIZATION PLANT
- ▶ GREY WATER TREATMENT PLANT
- ▶ SEWAGE TREATMENT PLANT
- ▶ EFFLUENT TREATMENT PLANT
- ▶ CONDENSATE POLISHING UNIT
- ▶ ZERO LIQUID DISCHARGE PLANT
- ▶ LEACHATE TREATMENT PLANT
- ▶ SURGE VESSEL
- ▶ ONLINE MONITORING SYSTEM
- ▶ OPERATION & MAINTENANCE CONTRACTS
- ▶ ENVIRONMENTAL CLEARANCE CONSULTANCY



Condensate Polishing Unit Cap. 1400 KLD Supplied & Installed by WTE Infra Projects Pvt. Ltd.

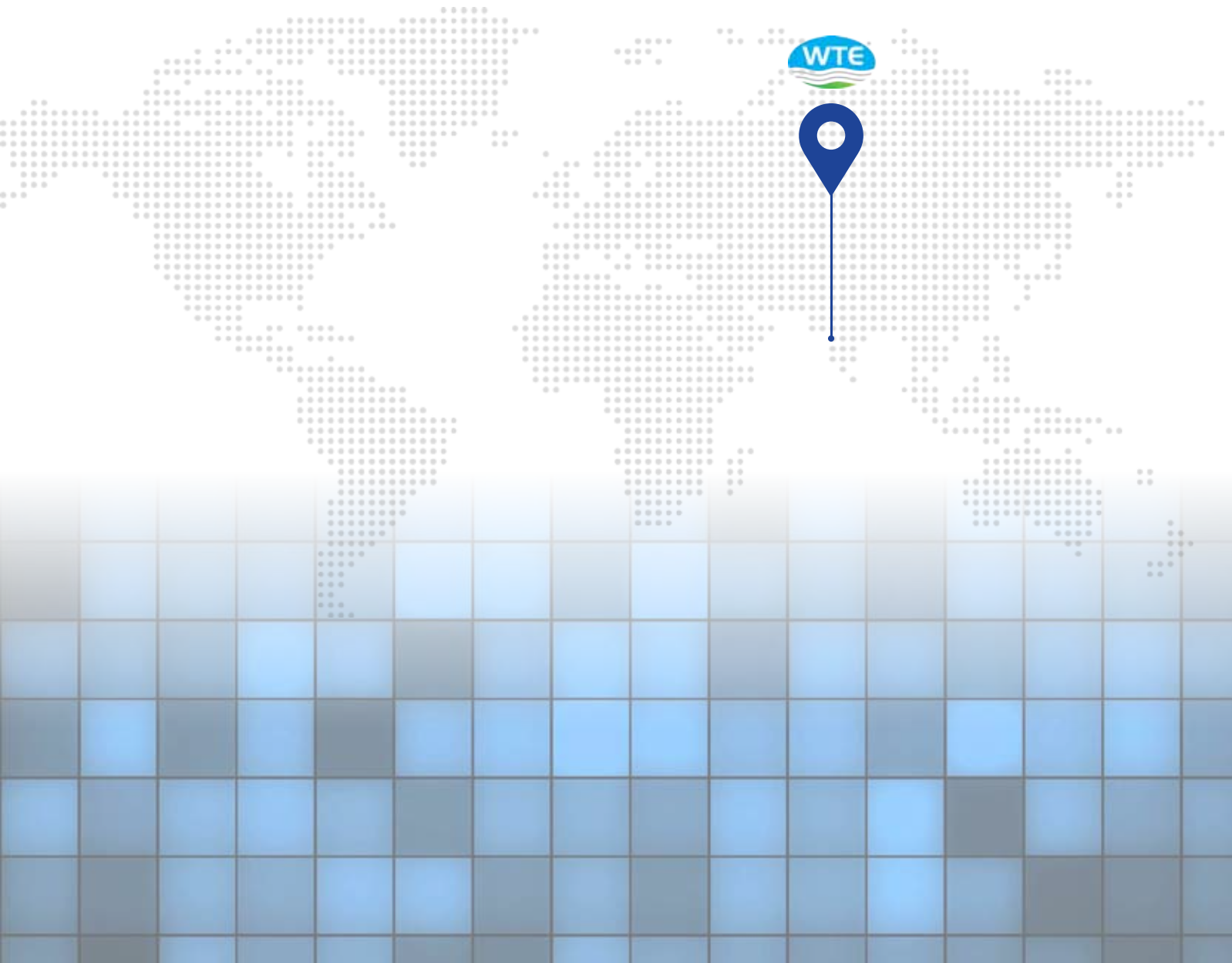



WTE Infra Projects Pvt. Ltd.

For Water And Waste Water Treatment System

WATERWORLD

The House Magazine of WTE Infra Projects Pvt. Ltd.



 **WTE INFRA PROJECTS PVT. LTD.,**
PAP-S-77, Near Bridgestone Company,
MIDC Phase-II, Sawardari Village, Chakan,
Taluka Khed, District Pune-410501

Phone: +91-8378968804
Email: enq@wteinfra.com
Website: www.wteinfra.com