



AQUAD EXPRESS



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EDITION

Dear All,

The year of 2010 began with an inspiring and energetic note as our Lab Team successfully completed the Final Assessment of the stringent NABL Audit and came out in flying colors with a recommendation for the Certification by the Auditors. I am sure this accreditation will stand proof of our commitment and quality services in the field matching ourselves in par with other certified laboratories in the country and of course the credit of one among the very few in Chennai.

In this occasion, I take the opportunity to congratulate the Lab Team for their unflinching effort to meet the expectations of NABL and acquiring this outstanding milestone. Let this act as a stepping stone to many more accolades that will come our way by maintaining and enhancing the quality of our product and services.

This new year also began by bringing more vistas of hope, challenges and opportunities thrown in for the days ahead and also extending a promising hand so that each other bond to create a strong and confident team within us.

I am glad that even though time had to be squeezed in between string of festive holidays, there were many technical training programs organized for our technical team which added a great deal of insight into their practical knowledge and skills that had to be demonstrated in their work.

I hope in the coming months, our company would leap forward in obtaining new projects and many projects in hand get closed successfully marking a stamp that Aqua Designs surges ahead and fetches a name to create a niche of itself in the industry.

Regards,



S.Suthakar
Managing Director

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PROVIDING INNOVATIVE WATER AND WASTEWATER SOLUTIONS

DESIGN & PROCESS DIVISION AT AQUA DESIGNS

The Design & Process Division of Aqua Designs specializes in providing solutions and innovative design particular to the water and wastewater industry. The fact that our core business is water and wastewater operations and maintenance allows a continuous enhancement of shared knowledge between technical and engineering staff, further strengthening the expertise provided to our clients.

Having been engaged as a direct participant in most every kind of water and wastewater challenge, Aqua Designs can

provide a low cost energy efficient alternative to expensive general contracting firms that do not specialize in the continued enhancement of water resource design, treatment and management.

Aqua Designs has been able to stand above the competition due to our ability to capitalize on the strength of our experience in the industry and diversity in our service. We bring a well-balanced combination of experience, technical expertise and innovative thinking to each engineering project.

Other Advantages include:

- A strong team of 30 well trained Engineers with sound technical knowledge in Design & Process
- Utilization of Advance Process Designing and Optimization Software for designing various types of plants.
- Carrying out Pilot Study and Lab Trials at the Proposal stage itself for various industrial effluents.
- Expert knowledge in identifying and providing solutions for running plants of any industries.
- Suggestion on Alternative technology for reduction in operation , maintenance & capital cost
- CADWorx,a 3-D drawing software is utilized by Design Engineers to create automatic isometric drawings with dimensions and tagging of Bill of Materials.
- Civil, Piping and Fabrication drawings are handled by different personnel within the team ensuring perfection and accuracy.
- Inspection by the in-house Quality Control Team is done at the work spot for the fabricated equipments for their quality.
- As built drawings are made and a Design Library maintained for future references.

To Provide Superior Service We Focus On:

Aqua Designs maintains superiority in the water industry by focusing on:

- **Operational Efficiencies**

By utilizing advanced technologies and the expertise of our experienced management team, Aqua Designs continuously seeks to work toward innovative solutions delivering cost reductions and increased plant efficiencies.

- **Development of our Work-force through Continuous Training**

Aqua Designs strives to develop high levels of service through the continuing education and apprenticeship of our staff.

- **Knowledge Sharing Centre**

Interaction with other departments on sharing experiences of different sites for the continuous improvement in design

- **Quality**

All the efforts are made to ensure only genuine and reputed bought out components are considered for designing the water/waste treatment systems.

Running the gamut from raw water treatment and desalination to membrane systems and zero liquid discharge, Aqua Design's wide range of custom engineered water treatment processes makes us unique above the rest of the companies capable of providing single point responsibility on a water treatment project.

A FEATHER IN OUR CAP...

Our Lab Team successfully completed the Final Assessment for NABL Certification and has been recommended for the issue of certificate by the Auditors.



TRAINING

A technical training on Demineralisation Plant and its Design was given by Mr. Nagarajan, our Head (Business Development) to our Process and Design Team.



CHRISTMAS CELEBRATIONS



As an active member of Lion's Club and also the District Chairperson of Christmas day celebrations, our MD Mr. Suthakar had organized a gala Christmas



Celebration with 200 blind, 400 Special children and 100 Transgenders as special invitees for the function at Good Shepherd Church, Chennai.

SEMINAR

A two day seminar on Personality Development was organized for a select group of our associates and was conducted by Mrs. Suguna of M/s. Success Innovators





Here are some amazing facts that will make you more proud to be an Indian. Read on ...

- India invented the Number System. Zero was invented by Aryabhatta.
- India never invaded any country in her last 10000 years of history.
- Sanskrit is the mother of all the European languages. Sanskrit is the most suitable language for computer software, according to a report in Forbes magazine, July 1987.
- The World's first university was established in Takshila in 700BC. More than 10,500 students from all over the world studied more than 60 subjects there.
- The University of Nalanda built in the 4th century BC was one of the greatest achievements of ancient India in the field of education.
- Ayurveda is the earliest school of medicine known to humans. Charaka, the father of medicine consolidated Ayurveda 2500 years ago.
- India was the richest country on earth until the British invaded in the early 17th Century.
- Bhaskaracharya calculated the time taken by the earth to orbit the sun hundreds of years before the astronomer Smart.
- The art of navigation was born in the river Sindh 6000 years ago. The very word Navigation is derived from the Sanskrit word NAVGATI. The word navy is also derived from Sanskrit 'Nou'.
- The value of "pi" was first calculated by Budhayana, and he explained the concept of what is known as the Pythagorean Theorem. He discovered this in the 6th century long before the European mathematicians.
- According to the Gemological Institute of America, up until 1896, India was the only source for diamonds to the world.
- Algebra, trigonometry and calculus came from India. Quadratic equations were found by Sridharacharya in the 11th century. The largest numbers the Greeks and the Romans used were 106 whereas Hindus used numbers as big as 10^{53} (10 to the power of 53) with specific names as early as 5000 BC during the Vedic period. Even today, the largest used number is Tera 10^{12} (10 to the power of 12).
- Usage of anesthesia was well known in ancient India medicine. Detailed knowledge of anatomy, embryology, digestion, metabolism, physiology, etiology, genetics and immunity is also found in many ancient Indian texts.
- USA based IEEE has proved what has been a century old suspicion in the world scientific community, that the pioneer of wireless communication was Prof. Jagdeesh Bose and not Marconi.
- Sushruta is the father of Surgery. 2600 years ago he and Health scientists of his time conducted complicated surgeries like cesareans, cataract, artificial limbs, fractures, urinary stones and even plastic surgery and brain surgery.
- The earliest reservoir and dam for irrigation was built in Saurashtra.
- Chess (Shataranja or AshtaPada) was invented in India.
- When many cultures were only nomadic forest dwellers over 5000 years ago, Indians established Harappan culture in Sindh Valley, known as the Indus Valley Civilization.
- The place value system, the decimal system was developed in India in 100 BC.
- Spiritual science, Yoga and most of the religions were found in India and the teachings spread all over the world by Indian Mystics and the Saints.
- The World's First Granite Temple is the Brihadeswara temple at Tanjavur in Tamil Nadu. The shikhara is made from a single ' 80-tonne ' piece of granite. Also, this magnificent temple was built in just five years, (between 1004 AD and 1009 AD) during the reign of Rajaraja Chola.
- India is.....the Largest democracy in the world, the 6th largest country in the world AND one of the most ancient and living civilizations (at least 10, 000 years old).
- The game of snakes & ladders was created by the 13th century poet saint Gyandev. It was originally called 'Mokshapat.' The ladders in the game represented virtues and the snakes indicated vices. Later through time, the game underwent several modifications but the meaning is the same i.e good deeds take us to heaven and evil to a cycle of re-births.

THE POWER OF THINKING

Many years ago in a small Indian village, a farmer had the misfortune of owing a large sum of money to a village moneylender. The moneylender, who was old and ugly, fancied the farmer's beautiful daughter. So he proposed a bargain. He said he would forgo the farmer's debt if he could marry his daughter. Both the farmer and his daughter were horrified by the proposal. So the cunning money-lender suggested that they let fate decide the matter.

He told them that he would put a black pebble and a white pebble into an empty money bag. Then the girl would have to pick one pebble from the bag. If she picked the black pebble, she would become his wife and her father's debt would be forgiven. If she picked the white pebble she need not marry him and her father's debt would still be forgiven. But if she refused to pick a pebble, her father would be thrown into jail.

They were standing on a pebble strewn path in the farmer's field. As they talked, the moneylender bent over to pick up two pebbles. As he picked them up, the sharp-eyed girl noticed that he had picked up two black pebbles and put them into the bag. He then asked the girl to pick a pebble from the bag. Now, imagine you were standing in the field. What would you have done if you were the girl? If you had to advise her, what would you have told her?

Careful analysis would produce three possibilities:

1. The girl should refuse to take a pebble.
2. The girl should show that there were two black pebbles in the bag and expose the money-lender as a cheat.
3. The girl should pick a black pebble and sacrifice herself in order to save her father from his debt and imprisonment.

Take a moment to ponder over the story.

The above story is used with the hope that it will make us appreciate the difference between lateral and logical thinking. The girl's dilemma cannot be solved with traditional logical thinking. Think of the consequences if she chooses the above logical answers.

What would you recommend to the Girl to do?

The girl put her hand into the moneybag and drew out a pebble. Without looking at it, she fumbled and let it fall onto the pebble-strewn path where it immediately became lost among all the other pebbles. "Oh, how clumsy of me," she said. "But never mind, if you look into the bag for the one that is left, you will be able to tell which pebble I picked."

Since the remaining pebble is black, it must be assumed that she had picked the white one. And since the money-lender dared not admit his dishonesty, the girl changed what seemed an impossible situation into an extremely advantageous one.

"Seven Blunders of the World"

1. Wealth without work
2. Pleasure without conscience
3. Knowledge without character
4. Commerce without morality
5. Science without humanity
6. Worship without sacrifice
7. Politics without principle

- Mahatma Gandhi



THOUGHT PROVOKING PROVERB

There is an Indian proverb that says that everyone is a house with four rooms—a physical, an emotional, mental and a spiritual. Most of us tend to live in one room most of the time, but unless we go into every room every day, even if only to keep it aired, we are not a complete person.

MORAL OF THE STORY: Most complex problems do have a simple solution. It is only that we don't attempt to think.

AQUANAUT'S CREATIVE CORNER

YOU ARE IN CHARGE OF YOUR CAREER - by Mr.Thiagarajan-Manager (Design)

Here are some useful tips to increase and maintain the enthusiasm, confidence and ambition in your job.



- Look for new avenues within the same organization if current one causes boredom.
- Seek new tasks that align with your interests and skills.
- Ask for help if you feel over burdened in your current job.
- Direct your energies towards acquiring the skills required to enhance your job.
- Develop the right attitude that helps focus on what you need to do to improve your performance.
- Along with the right attitude also develop the right aptitude to acquire new skills.
- If your boss is the cause of your woe, learn new ways to handle him and befriend him.
- Seek the advice of your boss often on how you can do better which in turn will result in a better understanding between both of you.
- Another important factor that helps you to stay happy at work is the balance between work and life you manage to maintain.
- Give importance to other dimensions of your life as well.
- Revive relationships and connect with people who are important to you.

NEO AQUANAUTS



Mr. S.Sivasubramani
Joined as Engineer E&C and has around 3 years of experience in the Field.



Mr. A. Rajesh Kumar
Joined as Senior Manager Project and has around 10 years of Experience in the field of Site Control & Various Projects like Waste Water Treatment Plant & Oil, Gas Field.



Mr.K.Vijayan
Joined as Engineer-Projects and has around 2 years of Experience in the field of Project and Erection and Commissioning.



Mr. T.J .Ramadurai
Joined as Head Business Development-EPC and has around 30 years of Experience in the field of Project Marketing , Business Development EPC OF Water.



Mr.M.Shaik Allaudeen
Joined as Engineer-Project and has around 5 years of Experience in the field of Process, Operations & Analytical and Erection and Commissioning



Mr.S.Kalyanasundaram
Joined as Senior Engineer E&I (E&C Dept) and has around 8.2 years of Experience in the field of Instrumentation.

NEW PROJECTS

Hi Tech Carbon is a unit of Aditya Birla Nuvo Ltd., a flagship company in the fold of Aditya Birla Group of companies. Hi Tech Carbon is the second largest producer of Carbon Black in India. It has manufacturing facilities at Renukoot in Uttar Pradesh and Gummidipoondi in Tamil Nadu. Aqua Designs has been entrusted with the job of providing 150KLD Sewage Treatment Plant.



**“ Awareness without action
is worthless ”**



**Aqua Designs provides greener
solution for cleaner environment**



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