

THE CIVIL ENGINEER

E-NEWSLETTER Volume-XI [3rd Quarterly Issue] July - September, 2019



The Institution of Civil Engineers (India)

The Civil Engineer

E-NEWSLETTER

Volume-XI [3rd Quarterly Issue] July - September, 2019

OUR INTELLECTUAL PILLARS

1.	Dr. Sohan H. Lal Swamy Chairman The Institution of Civil Engineers (India) New Delhi-110005	11.	Prof. C.V.R. Murty Former Director -IIT, Jodhpur Professor, Department of Civil Engineering IIT Madras IIT P.O., Chennai 600 036
2.	Prof. V. N. Rajasekharan Pillai Former Vice-Chancellor (IGNOU) President Mewar University NH-79 Gangrar, Chittorgarh Rajasthan-312901	12.	Dr. P.P. Mujumdar Professor, Department of Civil Engineering Indian Institute of Science Bangalore-560012 Karnataka
3.	Mr. Ashok K Mittal Chancellor Lovely Professional University Lovely Campus, Jalandhar-Ludhiana G.T. Road, Near Chaheru Railway Bridge Phagwara-144402 Punjab	13.	Dr. Subhash Chandra Mishra (F.I.E) Retd. Dean College of Engineering and Technology Bhubaneswar- 751003 Odisha
4.	Dr. D.P. Ghosh Ex- Professor , Dept. of Civil Engineering IIT, Kharagpur West Bengal- 721302	14.	Prof. Satish Khanna Ex-Professor, Department of Architecture School of Planning and Architecture New Delhi- 110002
5.	Prof. K.G. Sharma Professor Emeritus, Dept. of Civil Engineering IIT Delhi, Hauz Khas New Delhi-110016	15.	Prof. R.S. Sharma Ex- Professor, Dept. of Civil Engineering and Practicing Architect College of Technology, Pantnagar Uttarakhand- 263145
6.	Prof. Ravi Sinha Professor, Dept. of Civil Engineering IIT, Mumbai, Powai Mumbai- 400076	16.	Prof. A.K. Sarma Professor, Deptt. of Civil Engineering IIT Guwahati Assam -781039
7.	Dr. G.L. Asawa Ex-Professor Department of Civil Engineering IIT , Roorkee- 247667 Uttarakhand	17.	Prof. S. R Gandhi Professor, Deptt. of Civil Engineering IIT Madras Chennai-600036
8.	Prof. Anjan Dutta Prof. Dept. of Civil Engineering IIT, Guwahati-781039 Assam	18.	Prof. Deepak Kashyap Professor, Deptt. of Civil Engineering IIT , Roorkee- 247667 Uttarakhand
9.	Dr. L.S. Ramachandra Professor, Deptt. of Civil Engineering IIT, Kharagpur West Bengal-721302	19.	Prof. P.K. Garg Vice-Chancellor Uttarakhand Technical University P.O. Chandanwari, Prem Nagar Suddhowala Dehradun-248007
10.	Prof. K. Rajagopal Professor, Dept. of Civil Engineering IIT, Madras Chennai-600036	20.	Dr. S.D. Sharma Former Dean Post Graduate Faculty cum Director Resident Instructions Orissa University of Agriculture and Technology, Bhubaneswar Odisha- 751003



The Institution of Civil Engineers (India)

(A Govt. of India Recognized Degree Level Institution)

The Civil Engineer E-Newsletter is the Official Publication of The Institution of Civil Engineers (India).

The Civil Engineer, E-Newsletter contains articles on Civil Engineering related to the subject directly or indirectly besides the news of The Institution of Civil Engineers (India).

Notice of change of address must be received in the Offices of The Institution of Civil Engineers (India), 309-310, Suncity Trade Tower, Sector-21, Gurugram Haryana-122016.

Website: www.ice.net.in

Email : info@ice.net.in
iceinstitutions@gmail.com

Chairman of the Institution
Dr. S. L. Swamy

EDITORIAL BOARD

Editor-in-Chief
Dr. S.L. Swamy, Chairman

Editor
Mr. Prithipal Singh, Secretary General

Members
Md. Aslam Qureshi, Vice President
Er. Sagar Singh Thakur, Joint Secretary
Dr. S.D.Sharma, Director (Academic)
Ms. Maya Thakur, Director
Mr. Paras Dugar, Controller of Exams
Mr. Manjit Swami, Executive Director
Mr. Chander Mohan, Regional Director

IN THIS ISSUE...

- From the Editor in-Chief's Desk : 1
- From the Editor's Pen : 2
- Sub Surface Management of Water Logging (Study Area -State of Punjab) : 3-6
- Decentralized Wastewater Treatment Systems : A case study Based Analysis : 7-13
- ICE(I) hosted the 37th ECM of ACECC and also Celebrated 20th Anniversary of Asian Civil Engineering Coordinating Council (ACECC) from September 25-27, 2019 in Goa : 14-15
- Add to your Vocabulary : 16
- Partners to conduct Practicals & Submission of Project Reports (AICTE approved Institutions in different States/Cities) : 17-24
- Professional Vistas : 25-30
- Notification of ECI regarding Registration in National Register of Professional Engineers : 31
- Alumni...A Lifelong Relationship! Keep it alive! : 32
- Alumni Association Membership Form : 33
- List of Members of the Alumni Association of ICE(I) : 34-58
- Snippets : 59-60
- Photo Gallery : 61-65



From the Editor-in-Chief's Desk

Dear Readers

Life moves on in a way it is destined and events take place as per schedule. It is in this context that the E-Newsletter has appeared as per schedule containing usual material for the readers to enjoy.

This issue contains two articles which, I am sure, will be of great interest to the readers.

In the first article solution to the problem of water logging in the cropped fields of Punjab is discussed with its solution through sub-surface management of water in the water logged area. This has amply, been clarified through case study of Muktsar district of Punjab State. One solution is through surface drainage system but when it fails alternative method is to recharge ground water table with surface water through sub-surface spillway and sub-surface backfilled wells.

The second article deals with treatment of waste water and shown through case study that decentralized

waste water treatment system is better than centralized waste water treatment system. The decentralized waste water treatment system are cost effective, low cost and affordable and the results are very encouraging. Case study units have been installed in different residential units of Ahmadabad City, Gujarat. The units are Fluidized Aerobic Bioreactor (FAB) DEWAT, Moving Bed Bio reactor (MBBR) and Membrane Bioreactor (MBR).

We shall continue to march and bring out the Newsletter with more interesting material which is relevant to the readers so that this thread of interest between the readers and us does not break or loosen up.

With my best wishes

Dr. S.L. Swamy
Chairman

The world has the habit of making room for the man whose actions show that he knows where he is going



From the Editor's pen

Dear Readers

The July-September, 2019 issue of the E-Newsletter "The Civil Engineer" has now been released containing usual features. There, of course, was special event in Goa, when ICE(I) hosted the 37th ECM & Celebrated the 20th Anniversary of ACECC. These were special occasions and the presence of the Hon'ble Chief Minister of Goa and the Hon'ble Minister of Art & Culture & Tribal Welfare gave a different colour to the programme.

Whenever any programme is organized and it receives the blessings of the elders and or Political or Social Leaders, it adds to the richness of the programme. It calls for special preparations and arrangements so that

nothing goes wrong and the programme ends in a successful manner.

This gives satisfaction to the organizers that their efforts have been well rewarded and it infuses a new zeal to come over their short comings, if any, which came in their way. It is how one learns and produces better results next time. There is no end to any requirement for programme and if it meets the efforts of all and culminates in a grand success, that means that the efforts have been well rewarded. This is what has happened after the Goa event. We are now confident to do much more for a very big World Conference in Goa in September, 2022.

More in the next issue.

Prithipal Singh
Secretary General

You must be the kind of man who can get things done. But to get things done, you must love the doing, not the secondary consequences.

Sub Surface Management of Water Logging (Study Area-State of Punjab)

1. History;

The area of south west Punjab, covering the districts of Ferozpur, Mukatsar, Faridkot, Bathinda, Mansa etc. has been facing the dreaded problem of waterlogging for the last about three decades in various degrees and proportions, and shifting its position of severity. This has caused great agony to the inhabitants of the area, and has resulted in creation of swamp like conditions, finishing absolutely the possibility of cultivation and allied activities in the area.

A number of remedial measures have been adopted for redressal of this problem, in the shape of surface and sub-surface drainage. The root cause of the problem, however, still remains unexplored and hence this study.

2. The aspects of water logging;

Water Logging is a condition of land in which the soil profile is saturated with water either temporarily or permanently where in soil pores in the crop root zone become saturated resulting in restriction of normal circulation of air.

Waterlogging causes yield reduction or at times, total crop failures. Areas with water table within 2 m below the ground surface are considered as prone to waterlogging and areas with water table within 2to3 m are considered to be at risk.

The causes of water logging–

-in agricultural lands can be attributed to:

(a) Human-induced causes of waterlogging–

Include seepage from canals, poor irrigation and crop management, inadequate drainage and obstruction to natural drainage etc.

Poor irrigation and crop management includes Over irrigation, Seepage inflows from canals etc., Inadequate drainage, Obstruction of natural drainage: due to construction of canals, roads, railways, water courses etc. and Land locked parches

(i) OVER-IRRIGATION

If not well planned, can cause drainage a problem for the irrigated lands and adjacent ones. This is because irrigation adds extra water to the soil profile, over and above the naturally occurring rainfall.

(ii) SEEPAGE INFLOWS from canals

Seepage from canals and interflow from other water bodies like lakes, rivers and shallow aquifers can cause water logging of adjacent lands. Subsoil flows from upper regions to lower areas may also result in water logging.

(iii) INADEQUATE DRAINAGE

The irrigation water rendered surplus in the root zone due to lack of infiltration/surface drainage causes waterlogging. Exact quantities of this water surplus not computed correctly adds to the problem.

(iv) OBSTRUCTION OF NATURAL DRAINAGE:

Construction of canals, roads, railways, water courses etc. cutting across the descending contours of the watershed accentuate waterlogging. Unplanned urbanization causing unflavored obstruction to the natural flow of runoff also causes water logging.

(v) LAND LOCKED PARCHES;

Land locked parches when not connected with natural/artificial drainage system propagate water logging.

(b) Natural causes of water logging;

Due to Physiography (the topography, its slope, shape and drainage pattern) of a water shed, surface flows concentration in the lowlands causing natural swamps, Geology, Soil Type, Low Hydraulic Conductivity, Rise In Groundwater, Low Infiltration Rate and general weather etc. accelerate water logging.

(i) THE GEOLOGY PLAYS A VERY IMPORTANT ROLE IN THE BEHAVIOR OF AN AREA AS FAR AS ITS USABILITY AND VULNERABILITY TO WATER LOGGING IS CONCERNED;

Some areas have an impervious stratum below the top soil which obstructs the infiltration of rainfall. This creates a false water table or perched water table. Also, Areas with shallow soils, high water tables or a hard pan close to the ground surface are likely to get waterlogged, particularly if subjected to high rainfall or irrigation events.

(ii) THE WEATHER;

Areas that receive heavy rainfall for prolonged duration can get waterlogged temporarily or permanently

(iii) SOIL TYPE;

Heavy clay soils such as black cotton soils are prone to water logging, as they hold moisture for long periods. Also the soils prone to surface sealing cause temporary water logging.

The effects of water logging**i. BENEFICIAL EFFECTS**

Water logged area becomes easily, a habitat for certain plants and animals e.g. mudfish. The wetlands regulate the hydrogeology.

ii. NEGATIVE EFFECTS

For agricultural purposes, water logging can have negative impacts on the soil, crops and farm operations. The wetlands become a barrier in the general connectivity and prosperity of the area.

Remedy from waterlogging

Keeping the soils well-drained is the Only remedy against water logging. In artificially irrigated agriculture, soil-drainage should form a part of the overall design so that future water logging problems can be avoided

3. The case study of Muktsar district**(a) Attributed Causes of Water Logging in Muktsar District**

There are few major causes, to which the water logging problem in this district was attributed :-

- i. On account of cracks in lining of the two major canals i.e. Rajasthan feeder and Sirhind feeder running parallel to the East of Muktsar district.
- ii. Lateral groundwater flow from North-East to South-West direction. The depth of water table contours from North-West Punjab travel towards Bathinda and Malout towns at about 0.29 kms/year and cause the water table to rise in this tract (Uppal and Mangat, 1981).
- iii. Obstruction to natural flow.
- iv. Sufficient bed slopes not available in existing drains.
- v. Parches at a number of locations.

Visualizing the problem-

- i. Water moves very slowly underground AS per the darcy's law, it was observed that the water moves very slowly underground; The flow rate through porous media is proportional to the head loss and inversely proportional to the length of the flow path
Computing Hydraulic conductivity K:

$$V = Q/A \quad \text{where:} \quad A \text{ is the cross-sectional area}$$

$$V \propto -\Delta h, \text{ and } V \propto 1/\Delta L$$

Example of Darcy's Law_

A confined aquifer has a source of recharge.

K for the aquifer is 50 m/day, and n is 0.2.

The piezometric head in two wells 1000 m apart is 55 m and 50 m respectively, from a common datum.

The average thickness of the aquifer is 30 m,

The average width of flow is 5 km.

Assuming no dispersion or diffusion, we can calculate

The Darcy and seepage velocity in the aquifer

The average time of travel from the head of aquifer to a point say 4 km downstream

Therefore:

$$\text{Seepage Velocity: } V_s = V/n$$

$$= 0.25 / 0.2$$

$$= 1.25 \text{ m/day (about 4.1 ft/day)}$$

Time to travel 4 km downstream:

$$T = 4(1000\text{m}) / (1.25\text{m/day})$$

$$= 3200 \text{ days or 8.77 years}$$

This example shows that water moves very slowly underground.

- i. Capacity of surface drainage system- Exhausted- due to-

Deficient planning of the surface drainage system, The existing capacity needs enhancement.

River Sutlej is the outfall of these surface drains.

These surface drains act as back waters of River Sutlej during floods.

- ii. Recognizing the Aquifer

The area under study had remained fertile for a long time with ground water level ranging from 25 to 30 m below the NSL about 30 years back.

The normal ground water is otherwise ranging from 70 to 150m below NSL in North and Eastern Punjab.

(a) It is therefore sure that the Ground Water Encountered In The Study Case Relates To An Unconfined Aquifer.

Therefore the only alternative left is to study the GEOLOGY and maneuver the same to our benefits.

The Facts About Aquifers-

The aquifer generally has its limits culminating into the NSL or just below it. The geological investigation can lead us to the formation and capacity of the aquifer. The deeper ground water table shall accommodate as much water as delivered.

- (b) When all possible systems of tackling the problem of water logging get exhausted, the possibility of transferring the surface water to the ground water table should be explored.

The METHODOLOGY proposed is to Recharge the Ground Water Table with Surfacewater from Water Logged Areas

(c) Optimising The Desired Depth of Water Table

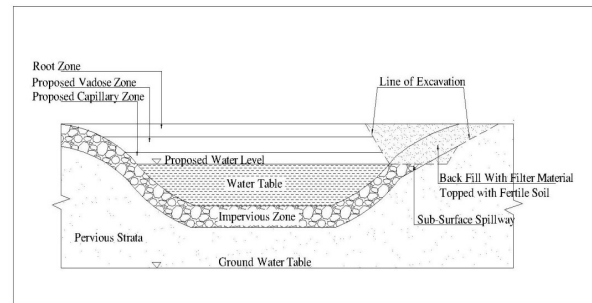
The depth of water table can be optimised considering:-

1. Depths of root and vadose zones.
2. Nature of soil.
3. Weather conditions.
4. Proportioning of the Sub-surface drainage facility.
5. The depth ideal for the crop production

Two alternative possibilities of achieving the desired depth of water table are proposed below:-

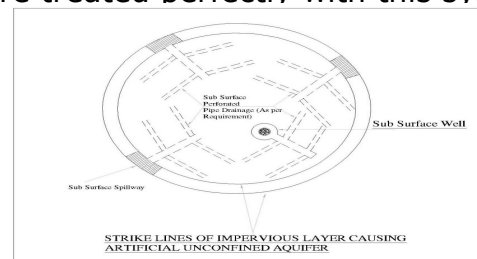
i. The First Alternative-SUB SURFACE SPILLWAYS-

In case the extremities of the aquifer are approachable, the level of water in water logged area can be lowered safely up to about 5m below NSL by creating an open excavated spillway backfilled with free draining material facilitating partial transfer of aquifer water into the ground water table.



i. The Second Alternative- SUB SURFACE BACKFILLED WELLS-

In case the extremities are not approachable, wells can penetrate the first aquifer and deliver into permeable strata below. These are underground wells, backfilled with free draining and filter material topped with cultivable soil causing no hindrance to agriculture activity. Isolated patches are treated perfectly with this system.



4. Conclusion

The contention that the water logging is attributable to over irrigation is disputed as similar areas, nearby and exposed to constant infiltration from river Sutlej and its unlined canal systems does not exhibit water logging problem.

There is no escape from acquainting oneself with the aquifer conditions below. A permanent solution is always preferable to ad hoc, superficial solution based upon possibility and judgment.

The sub-soil information is now obtainable through advanced geo-physical investigation systems like tomography etc. and is highly recommended in these situations.

**By:-Er. SanjeevSuri, Chief Engineer (Retd.),
Bhakra Beas Management Board, Bhakra
Dam, Nangal, Punjab.**

Decentralized Wastewater Treatment Systems: A Case Study Based Analysis

Urban wastewater management is centralized approach in which waste water is transported to municipal treatment plants located far away from source through sewer lines and treated water is disposed-off in available water body. However, due to rapid urbanization there is an increasing gap between quantity of wastewater generation and wastewater treatment. This has led to pollution of surface and ground water resources which are major sources of water for urban and peri-urban areas of India. With the increasing water shortage and awareness about the potential reuse, the Government of India has developed new policies that promote recycling and reuse of water. In centralized approaches, often termed as 'end of the pipe' treatment of wastewater, a whole water re-distribution network needs to be established so that the reclaimed water reaches to the customers located spatially in city. This is not very logical solution considering the budget and technical expertise required for these systems. Therefore, decentralized and low-cost wastewater treatment systems can be a smart and affordable alternative for wastewater management. Numerous initiatives have developed that promote decentralized sanitation solution but it is important to have knowledge of all the different technologies and their advantages and disadvantages before selecting the best suitable technology.

In decentralized wastewater treatment systems, waste water is treated at or near the settlement. The treatment varies from large capacity septic tanks or commercially

developed package plants which work on technology that is similar to a centralized treatment system, particularly for small sewers and a low end treatment facility. The domestic wastewater treatment generally consists of four stages : 1) pre-treatment 2) primary treatment 3) secondary treatment and 4) tertiary treatment. In pre-treatment screening process removes large objects transported along wastewater. This is carried out to prevent damage and clogging of sewers or pumps. Primary treatment is the sedimentation stage which consists of large tanks where heavier particles are allowed to settle at the bottom of the tank and simultaneously floated material such as soap scum, oil and grease is removed. Secondary treatment can also be termed as oxidation where biological oxygen demand of wastewater is reduced using microorganisms present in the wastewater which consumes most of the biodegradable organic matter. This biological treatment of water contaminants can be both aerobic and anaerobic in nature. Tertiary treatment is the final cleansing processing where remaining inorganic compounds are removed. Finally the effluent is filtered and disinfected before it is reused or disposed in India this process is not insisted upon.

Following is a summary review of some decentralized wastewater treatment technologies installed in different residential units of Ahmadabad city in Gujarat, India. The data is based on site visits, interviews and secondary information.

Fluidized Aerobic Bioreactor (FAB) :

This system has floating media of various shapes and sizes to create large surface area on which bacteria grows. Air flow is directed to the FAB tanks through air bubble diffuser to create an optimum environment for bacterial growth. Bacteria induced oxidation takes place which lead to degradation of organic matter. The effluent from FAB tank moves into a settling tank where excess growth from biofilm carries or floating media detaches and settles at the bottom.

This FAB treatment plant at IFFCO Kasturi nagar near Kalol town in Gujarat has a 500 m³/day capacity. Kasturi nagar is residential township consisting of residential units, offices and facilities such as post office, sports and recreational infrastructure, a water treatment plant and a sewage treatment plant. The wastewater treatment plant was commissioned in the year 2000. IS-14001 certificate requires managing its waste water which they have successfully achieved. Treated wastewater is 100% utilized. The entire project is internationally funded by IFFCO including capital, operations, and maintenance.

The waste water treatment project is community oriented. The residents who are company employees were made aware about the environmental threats. The core group consisted of housewives, workers, officers and manages. To encourage reuse of water, intensive awareness campaigns were carried out.

The selection treatment technology was carried out based on its level of maturity, required maintenance, and space required for its construction. The main advantage of

this technology is that there is no recycling of sludge is required in this process. The settled biomass is dewatered and then applied as manure for landscape purpose.

DEWATS : This process was developed by Bremen Overseas Research and Development Association (BORDA)(, Germany in India. Consortium of DEWATS Dissemination Society (CDD) Bangalore is promoting it. In DEWATS, secondary treatment happens in anaerobic baffled reactor whereas for the tertiary treatment a bed of planted gravel filter is used. In anaerobic baffled reactor, chambers have many baffles passing through which water enters from the top and moves towards bottom. In anaerobic filter wastewater is brought into contact with bacteria growing on filter media which are called as active bacteria. Tertiary treatment module consists of a filter media with gravels and water-resistant plants called as planted gravel filter and a polishing pond to treat the remaining water contaminants.

Case study for DEWATs was carried out at IIT Gandhinagar, a country's premier engineering instijute was established in year 2008. Currently its new campus is under development in 400 acres area Palaj near Gandhinagar. It is a green campus with a 5 star GRIHA and LEED rating. This is motivating factor for seting up waste water treatment plant. The project is funded by Ministry of Human Resource Development and constructed by CPWD. The treatment plant has been successful and 100 percent of the treated water is used for landscaping to maintain the campus green without using any fresh water. The campus is zero-liquid discharge campus now.

The capacity of the treatment plant is currently 600 m³/day considering the demand of 2400 students, or a 400m³ daily sewage generation. The primary and secondary treatment is based on DEWATS and tertiary treatment includes pressure sand filter and ultra-filtration system. It was planned that the treated water will be used for horticulture as well as for toilet flushing. However, it was observed that treated water that remains stagnant in toilet flushes acted as a breeding pool of germs and pungent smell emanated whenever the flushing system was operated. Now the treated water is used only for the horticulture purpose and the institution has decided to discontinue the tertiary treatment consisting of PSF and UF in the last phase as the quality of effluent from DEWATS is suitable for horticulture.

The major advantage of DEWATS is the simplicity of its design. The technology is based on the use of natural bacteria, plants, and gravity instead of electricity and chemicals.

Activated Sludge Process : This is widely used wastewater treatment technology successfully used in world since many decades. All the conventional centralized sewage treatment plant

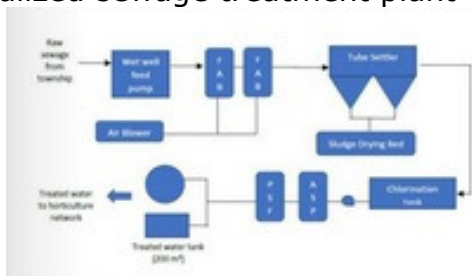


Figure 1 FAB process

Works on activated sludge process principle. After the process of sedimentation, wastewater is continuously

agitated and aerated in an aeration tank with purpose of mixing oxygen. The aerated fluid reaches clarifier where it settles at the bottom of the tank from where it is recirculated to the aeration tank. Because of the presence of active microorganisms, the settled biomass is called as activated sludge. A part of activated sludge is returned to the aeration to enhance biodegradation process.

Godrej Garden City is an integrated township project which is under phase wise development using principle of water conservation. The Godrej garden city team employs principle of sustainable development and has aim to get platinum rating for township. The wastewater treatment plant is installed in the township that works on activated sludge process principle. This plant is actually a decentralized version of the conventional activated sludge process plant.



Figure 2 Activated sludge process

The township has installed underground sewer network which connects all apartment buildings and wastewater generated is transferred to the treatment plant. Activated sludge process (ASP) consists of number of interconnected chambers through which wastewater flows cleaning out impurities in the following manner.

-The wastewater reaches screening chamber first where it passes through bar screen which prevents rags, polyethene bottles and other trash from entering the treatment unit. Screen is cleared periodically.

-The effluent then reaches horizontal compartment where sedimentation takes place. The settled sludge is cleared periodically

- To reduce organic loading, the effluent is sent to a large aeration tank where it is subjected to air flow which enhances the breakdown of organic particles. The effluent is then taken to a clarifier settler tank. The sludge settled at the bottom in the clarifier is sent back to aeration tank.

-For final treatment water is passed through three filter chambers.

-The supernatant obtained after this process is stored in a tank where it is treated with chlorine.

-Clean water is ready to use for irrigation purpose

The reuse of water for nonhuman purposes has proved to be a success in terms of conserving water and the residents are also free from paying sewage charges under Ahmadabad property tax.

Features :

- The system requires huge consumption of power.
- Highly skilled operators are required.
- Difficulty in upgrading.
- Space requirement is high

Moving Bed Bioreactor (MBBR) : The effluent from primary treatments is fed into MBBR tank. This tank can be of one stage or two stages depending on specific demands. The tank consists of thousand of bio film carries where bacteria grows on the internal surface of the carries and breaks down organic matter. The aeration system keeps the plastic carrier in constant motion. The effluent is then transferred to clarifier tank protected by

bar screens to prevent entry of the plastic carries which are completely filled with bacterial growth.

GIFT City is India's first smart city project initiated by Government of Gujarat with an aim to provide world class infrastructural facilities to big financial firms around the world. The total area covered by GIFT City is 3.58 sq. km.

The concept of GIFT City is based on integrated and sustainable development. To facilitate recycling and reuse of water a WWIP is installed. This treatment plant works on the principle of MBBR. The operation and maintenance of the treatment plant is handled by in-house supervisors and operators. Based on the present occupancy rate the WWTP is designed for a capacity to treat 2250 m³/day. The treated water is used mainly as a source of water for the district cooling system and remaining water is used for horticulture purpose.

GIFT City near Gandhinagar, Gujarat has an underground network of sewage pipe which collects wastewater from all the buildings and offices conveying it through gravity main to the treatment plant.

-The first stage of treatment is screening of floating materials, removal of grit and primary sediments.

-The effluent of equalization tank is transferred to the bio-reactor which contains specially engineered plastic material on which bacteria grows.

-After this process the effluent is fed into a tube settler for secondary clarification.

-The effluent is further treated with chlorine in the tertiary treatment stage which is then stored in a collection tank.

Membrane Bioreactor : It is an advanced version of ASP. In this process the separation of solids and liquids is done by use of membranes which contains varying sizes of Pores. The membrane can either be installed in the aeration tank itself or in a separate tank. High level of filtration can be achieved in this system. This system requires backwashing of the membrane at periodic times to dislodge contaminants.

The technology is installed in Shantigram, Ahmedabad which follows its vision to be a sustainable and self-sufficient residential township. The aim was to give excellent quality of life to the people with harming the environment. The township is spread across an area of 100 acres and is located in Sarkhej Gandhinagar highway. The treated water is used for horticulture purpose. The system is fully automatic, so the expenses related to manpower is less. Major portion of the cost incurred in the operations and management is due to electricity cost and membrane replacement costs.

The entire township is connected through a central sewerage network and the collected waste water from each tower is transported to the WWTP through the gravity main. There are four pumping stations in the township.

The WWTP has four units namely the sedimentation tank where water is allowed to settle after it is passed through the fine screen. A feeder pump is used to deliver the water from sedimentation tank to the anoxic tank where denitrification occurs, in the MBR tank a submersed MBR membrane is installed through which the treated effluent is pumped out.

The limitation of this technology is the

high cost of the membrane, and it is not feasible to bear replacement cost periodically. If the membrane is not cleaned or replaced there may arise problem of membrane fouling which will ultimately degrade the treatment efficiency.

Sequential Batch Reactor (SBR): SBR are customized version of ASP where all the treatment process takes place in one reactor tank. It does not require additional clarifier tanks. The treatment cycle takes place in five stages namely fill, react settle draw and idle.

-Fill : Wastewater from primary treatment or just raw wastewater enters the tank either through pumping or gravity flow where it mixes with sludge steered at the bottom from previous cycle.

-React : In this stage air is provided through blowers and further biological treatment. Bacteria oxidizes the organic matter similar to ASP.

-Settle : In this stage aeration is stopped to allow settling of heavier biomass at the bottom.

-Decant : After the sludge has settled, the supernatant is released through the reaction tank.

- Idle : This phase is the time in between decant and fill. This time can be utilized for the removal of sludge if any.

DNP Infrastructure Pvt. Ltd has installed a demo SBR plant at Pirana sewage treatment plant, Narol, Ahmedabad. There are three SBR plans of capacity 2m³/day, 5m³/day and 10m³/day respectively at the site. The raw sewage collected by the centralized network of Ahmedabad city is transported to a central treatment plant at Pirana. A small fraction of that swage is treated by the above mentioned demo plants.

The SBR WWTP are equipped with sensor control panels that monitors each stage of reaction. High level of automation increased the capital cost of the units. These plants are compact in size and can be easily installed for individual households. Constant monitoring by human personnel is not required and the operation of the plant can be controlled using a remote control device.

Features

This SBR plan also includes "Biological Nutrient Removal

- No requirement of chemical dosing
- No additional setting tank or clarifiers is required

The range of capacity is 2KLD -500 KLD

This plant can be modified to run on renewable sources of energy.

Disadvantage

- MLSS range should be maintained between 8000-10000mg/L
- Constant requirement of power
- High capital investment is required

Assessment of Social Factors

Due to awareness of environmental issues and the cases of water scarcity, the general opinion of the residents of the above cases was positive towards

wastewater reuse. But there were some people who had the opinion that treating wastewater is the job of the municipality and it makes no sense to do it in decentralized approach and bear additional cost. This perception needs to be changed. Installing a WWTP requires knowledge during the construction and designing phase which is seen as a bottleneck by most stakeholders.

It can be said from the survey that a sustainable decentralized WWTP should have the following features.

Aesthetically pleasing

The plant should not obstruct view and should be located at a safe place with no possibility of mishap.

No foul smell, and water quality should be maintained.

Efficient complaint redressal system.

The system should be user friendly and produce desired technical result. Affordable in terms of capital investment, operation and maintenance expenditure.

Conclusions

It is observed that in all the cases, the key motivation factor that leads to adoption of decentralized approach is the concern towards environment. People are aware of the fact that community based wastewater treatment system reduces the load on the existing infrastructure of the city. The second most important key driver is the government politic, incentives, and recognitions that promote decentralization wastewater treatment system.

From the financial aspect of analysis it can be concluded the decentralized treatment plants are not profit earning projects

The sources of generating revenue is almost negligible as the by-product obtained are treated water and small quantity organic sludge which is used a manure and cannot be sold unlike solid waste treatment plant where the volume of composite is very high.

Ability of the treatment system to treat wastewater according to standards and the capacity of users to bear investment cost and maintenance cost are the factors that were given highest priority in the selection process.

Acknowledgement

This article is a result of Director Research Project at CEPT and a paper Hazarika S. Pandit D (2019) Fesibility Analysis of Decentralized Wastewater Treatment System in Deb Balas V. Dey R (eds) Innovations in infrastructure. Advances in Intelligent System and Computing vol 757 Springer Singapore.

Authors also acknowledge the support of DNP infrastructure IFFCO, IIT Gandhinagar, Godrej Garden City GIFT City, and Shangram for their support in the research.

**Source & credit :
Masterbuilder August 2019**

ICE(I) HOSTED THE 37TH ECM OF ACECC AND ALSO CELEBRATED 20th ANNIVERSARY OF ASIAN CIVIL ENGINEERING COORDINATING COUNCIL (ACECC) FROM SEPTEMBER 25-27, 2019 IN GOA

Dr. Pramod Sawant, Hon'ble Chief Minister of Goa inaugurated the 20th Anniversary Celebration of Asian Civil Engineering Coordinating Council (ACECC) on September 27, 2019 at CIDADE DE GOA.

ACECC was established on September 27, 1999 in Tokyo with 5 Civil Engineering Societies and its membership has now risen to 14 countries as under:

- American Society of Civil Engineers (ASCE)
- Chinese Institute of Civil and Hydraulic Engineering (CICHE)
- Engineers Australia (EA)
- Indonesian Society of Civil and Structural Engineers (HAKI)
- The Institution of Civil Engineers, India (ICE(I))
- The Institution of Engineers, Bangladesh (IEB)
- The Institution of Engineers, Pakistan (IEP)
- Japan Society of Civil Engineers (JSCE)
- Korean Society of Civil Engineers (KSCE)
- Mongolian Association of Civil Engineers (MACE)
- Nepal Engineers' Association (NEA)
- Philippine Institute of Civil Engineers (PICE)
- Vietnam Federation of Civil Engineering Association (VFCEA)
- Federation of Myanmar Engineering Societies (Fed.MES)

The programme was organized by The Institution of Civil Engineers (India). ICE(I) also hosted the 37th Executive Committee Meeting of ACECC on September 25-26, 2019 at CIDADE DE GOA followed by the celebration of ACECC's 20th Anniversary there.

The inaugural session was addressed by Dr. Pramod Sawant, Hon'ble Chief Minister of Goa, Sh. Govind Gaude, Hon'ble Minister for Art and Culture and Tribal Welfare, Govt. of Goa, as Guest of Honour. On this occasion Dr. S.L. Swamy, Chairman, ICE(I) Welcomed the Guests and Kenichi Horikoshi, Secretary General of ACECC presented the History of ACECC 20 Years & gave Introduction of Message Book. Message from the Past Chair ACECC was presented by Immediate Past Chair, Prof. Osamu Kusakabe, Dr. R.M. Vasan, Chair ACECC gave the vision of ACECC in the coming 10 years. The inaugural session was concluded with the presentation of vote of thanks by Sh. Prithipal Singh, Secretary General, ICE(I).

After the Inaugural Session, there were two Seminars on September 27, 2019-one on "Improvements to Engineering Governance through Common Ethics Standards" and the other on "The Applications of geo-synthetics for various Civil Engineering disciplines" in which International & National speakers were invited to give their presentations.

It was a rare occasion where representatives from 14 countries who are members of ACECC were present to participate in this programme. As expected a large number of distinguished Engineering fraternity and the Young Engineers based in Goa and around also attended this event of great significance.

ICE(I) is an active member of ACECC representing India and has hosted such meetings of ACECC and also organized International conferences during the years 2011 and 2016 in New Delhi. ICE(I) has chosen Goa as the venue for such meetings for the International delegates to provide them a taste of beauty and fun in the Land of Beaches and City of Churches.

It is again a matter of great pride for Goa that the ICE(I) will be hosting CECAR9 (Civil Engineering Conference in Asian Region) in Goa again in September 2022 which will attract about 1000 delegates from all over the world.

Some glimpses of the ECM and Celebration of the 20th Anniversary of ACECC can be seen in the Photo Gallery.

ADD TO YOUR VOCABULARY

- **Lime Putty**

The plastic material resulting after the lime hydration process stops and the semi-fluid mass cools off. In this form the hydrated lime is ready to be added to masonry mortar mixes (as a plasticizer) or can be used by itself as either base-or finish-coat plaster, especially in historical restorations.

- **Link and Roller**

An adjustable device or assemblage consisting of a hinged strut-like link fitted with a roller at its bottom end, supported upon a shoe plate or pedestal and operated by a thrust strut serving to force it into a vertical position and to withdraw it therefrom; when installed at each outermost end of the girders or the trusses of a swing span their major function is to lift them to an extent that their camber or droop will be removed and the arms rendered free to act as simple spans; when the links are withdrawn to an inclined position fixed by the operating mechanism the span is free to be moved to an open position.

- **Lintel**

A horizontal piece of wood or steel over an opening such as a window or door to support the walls immediately above the opening. Lintels can also be steel or stone.

- **Liquated Damages**

A monetary amount agreed upon by two parties to a contract prior to performance under the contract that specifies what a either party owes the other if that party defaults under the contract.

- **Liquid-Applied Membrane**

Generally applied to cast-in-place concrete surfaces in one or more coats to provide fully-adhered waterproof membranes which conform to all contours.

- **Load Bearing Wall**

A wall which is supporting its own weight and some other structural elements of the house such as the joists.

Lookout

A short wooden framing member used to support an overhanging portion of a roof. It extends from the wall to the underside surfacing of the overhang.

- **Low-Carbon Steel**

Steel with 0.04 to 0.25% dissolved carbon; also called mild steel.

- **Lower Chord**

The bottom horizontal member of a truss

- **Macro**

Meaning long, large of expanded and is used often as a prefix to a term to point out the large, expanded use of the term.

OUR PARTNERS TO CONDUCT PRACTICALS & SUBMISSION OF PROJECT REPORTS (AICTE approved Institutions In different States/Cities)

Andhra Pradesh	
1.	Chaitanya Engineering College Chaitanya Valley, Kommadi, Madhurawada, Visakhapatnam - 530041, Andhra Pradesh
2.	Koneru Lakshmaiah College of Engineering Green Fields, Vaddeswaram, Guntur Distt.- 522502 Andhra Pradesh
3.	Kakatiya Institute of Technology & Science Opp. Yerragattu Hillock, Vill-Bheemaram, Mandal-Hasanparthy Warangal - 506015, Andhra Pradesh
4.	Sri Venkateswara College of Engineering & Technology Chittor, Andhra Pradesh
5.	Chaitanya Bharathi Institute of Technology Chaitanya Bharathi, P.O. Gandipet, Hyderabad - 500075, Andhra Pradesh
6.	Govt. Polytechnic Masabtank, Hyderabad-28, Andhra Pradesh
7.	Rajeev Gandhi Memorial College of Engg. & Tech. N.H.-18, Kurnool District, Nandyal-518501, Andhra Pradesh
8.	Mumtaz College of Engg. & Technology Malakpet, Hyderabad- 36, Andhra Pradesh
9.	KLR College of Engg. & Tech. Khammam District, Paloncha Andhra Pradesh
10.	Nagole Institute of Technology & Science Kuntloor (V), Hayathnagar (M), Hyderabad, Ranga Reddy District-501505 Gveta, Hyderabad-501505, Andhra Pradesh

Assam	
1.	Assam Engineering College Jalukabari, Guawhati-781018, Assam
2.	Jorhat Engineering College Government of Assam, Jorhat-785007, Assam
3.	Down Town Group of Institution Assam Down Towan University, Sankar Madhab Path, Gandhi Nagar, Panikhaiti, Guwahati-781026, Assam
4.	Royal School of Engg & Technology Civil Engineering Department, Betkuchi, Guwahati-781035, Assam
5.	Nowgong Polytechnic Panigaon, Nagaon-782001, Assam
6.	School of Engg. & Technology Kaziranga University, Koraikhowa, NH 37, Jorhat-785006, Assam

Bihar

- | | |
|----|---|
| 1. | RP Sharma Institute of Technology
Patna, RPS Complex, Bailey Road (West) Danapur Patna - 801503 Bihar |
| 2. | Netaji Subhas Institute of Technology
Amhara, Bihta, Patna- 801118 Bihar |

Chhattisgarh

- | | |
|----|---|
| 1. | Ashoka Institute of Technology & Management
Gram-Torankata, Post-Somni, G.E. Road, Rajnandgaon-491441, Chhattisgarh |
| 2. | Dignity College of Architecture
NH-6, Anjora, Opposite Govt. Veterinary Hospital, Durg-491001, Chhattisgarh |

Delhi

- | | |
|----|--|
| 1. | Chhotu Ram Rural Institute of Technology & Pharmacy
Kanjhawala, (Ghevra), Delhi-110081 |
|----|--|

Gujarat

- | | |
|----|--|
| 1. | L. D. College of Engineering
Government of Gujarat, Near Navranpura, Ahmedabad - 380015, Gujarat |
| 2. | Government Engineering College
Shamlaji Road, Modasa - 383315, Gujarat |
| 3. | Sree Tapi Brahmcharyashram Sabha College of Diploma Engineering
Opp. Spinning Mill, Varachha Road, Surat - 395006, Gujarat |
| 4. | Sardar Vallabhbhai Patel Institute of Technology,
PO. Box No. 22, District – Anand, Vasad-388306, Gujarat |
| 5. | Ahmedabad Institute of Technology
Near Vasantnagar Township, Gota-Ognaj Road, Ahmedabad-380060, Gujarat |

Haryana

- | | |
|----|---|
| 1. | M.M. Engineering College
M.M. Group of Institutions, Mullana Distt. Ambala, Haryana |
| 2. | Lingaya's Institute of Management & Technology
Nauchauli, Old Faridabad, Jasana Road, Faridabad - 121002, Haryana |
| 3. | Haryana College of Technology & Management
P.O.Box No.44 Ambala Road, Kaithal - 136027, Haryana |
| 4. | Sat Kabir Institute of Technology & Management
Vill. Ladrawan, Teh. Bahadurgarh, Dist. Jhajjar, (Near Qutubgarh-Delhi Border), Haryana-124507 |
| 5. | NCR Polytechnic
Vill.-Kulasi, Bahadurgarh, Jhajjar, Haryana |

6.	Delhi College of Technology & Management 77 Km Stone, NH-2, Gudhrana, Distt. Palwal Haryana-121105
7.	Lingaya's University Nachauli, Old Faridabad, Jasana Road, Faridabad-121002, Haryana
8.	NGF College of Engineering & Technology 71st K.M. N.H.-2, Delhi Mathura Highway (NCR), Palwal- 121102, Haryana
9	Delhi Technical Campus 4th Km Stone, Main Bahadurgar Badli Gurgaon Road, Naya Gaon, Bahadurgarh Distt. Jhajjar, Bahadurgarh-124507, Haryana

Himachal Pradesh	
1.	MIT College of Engineering & Management Bani (Barsar) Distt. Hamirpur Himachal Pradesh-174384
2.	Baddi University of Engineering Science & Technology Makhnumajra, Nalagarh, District-Solan, Baddi Highway, Solan-173101, Himachal Pradesh
3.	Himachal Institute of Engineering and Technology Vidyanagar (Near Central University, Shahpur, District- Kangra-176223 Himachal Pradesh
4.	School of Architecture, APG Shimla University Shoghi- Mehli by Pass Road, Near Panthaghati, Shimla- 171009, Himachal Pradesh

Jharkhand	
1.	Government Polytechnic P.O.- B. Polytechnic, Dhanbad-828130, Jharkhand
2.	Cambridge Institute of Technology Tatisilwai, Ranchi-835103, Jharkhand
3.	Government Polytechnic Ranchi-834001, Jharkhand
4.	Mining Institute P.O. – B. Polytechnic Dhanbad-828130 Jharkhand

Jammu & Kashmir	
1.	National Institute of Technology & Science Indira Nagar, P.O. Miran Sahib, Jammu – 181001, Jammu & Kashmir
2.	Institute of Engineering & Computer Sciences Purkhoo Camp, Domana, Jammu- 181001, Jammu & Kashmir
3.	Government College of Engineering & Technology Old University Campus, Canal Road Jammu-180004, Jammu & Kashmir
4.	Royal Polytechnic College 55-Gogji Bagh, Srinagar-190001, Jammu & Kashmir
5.	SSM College of Engineering & Technology Parihaspora, Pattan, Baramulla, Srinagar-193121, Jammu & Kashmir

Karnataka

1.	Anjuman Engineering College Anjumanbad, P.O.Box No.24 Bhatkal – 581320 Karnataka
2.	Bapuji Institute of Engineering & Technology Post Box No. 325, Davangere-577004 Karnataka

Kerala

1.	Matha College of Technology Manakkappadi, N. Paravur, Ernakulam-683511 Kerala
2.	Mangalam College of Engineering Mangalam Campus, Ettumanoor Kottayam- 686631 Kerala
3.	MES College of Engineering Kuttippuram, Thrikkanapuram P.O. -Malappuram District. -679573 Kerala
4.	SSM Polytechnic College Tirur- 676105, Kerala

Madhya Pradesh

1.	Shri G.S. Institute of Technology & Science 23, Park Road, Indore, Madhya Pradesh
2.	Rishiraj Institute of Technology Village- Revati, Sanwar Road, Indore, Madhya Pradesh
3.	Mansarovar Institute of Science & Technology Mansarovar Campus, Kolar Road, Bhopal- 462042, Madhya Pradesh
4.	Govt. Polytechnic College Shahdol, Madhya Pradesh
5.	Jawaharlal Institute of Technology "Vidya Vihar" Borawan, Tehsil Kasrawad, Distt. Khargone – 451228 Madhya Pradesh
6.	Lakshmi Narain College of Technology Kalchuri Nagar, Raisen Road, P.O. Kolua, Bhopal – 462021, Madhya Pradesh
7.	NRI Institute of Technology & Management Near Railway Bridge, Jhansi Road, Gwalior, Madhya Pradesh
8.	Truba Institute of Engineering & Information Technology, Karond Gandhi Nagar By Pass Road, Bhopa, Madhya Pradesh
9.	Sarder Patel College of Technology (Engg.) Sardar Patel Campus, Gyakhuri, Balaghat-481001, Madhya Pradesh
10.	Bapu Institute of Technology & Management Opp. Village Jaderua, N.H.3, A.B. Road, Morena- 746001, Madhya Pradesh
11.	Global Institute of Engineering & Science Niwali Road, Gran-Chatli (Sendhwa) District-Barwani, Sendhwa Madhya Pradesh

Maharashtra	
1.	Pravara Rural Engineering College Loni, A/P. Loni-413736, Tal. Rahata, Dist. Ahmednagar, Maharashtra
2.	Mahatma Gandhi Missions, Jawaharlal Nehru Engineering College N-6, CIDCO, Aurangabad – 431003 Maharashtra
3.	G.H. Raison College of Engineering CRPF Gate No. 3, Hingna Road, Digdoh Hills, Nagpur – 440016, Maharashtra
4.	Kavikulguru Institute of Technology and Science Ramtek – 441 106, Nagpur, Maharashtra
5.	Bharati Vidyapeeth University College of Engineering Pune-Satara Road, Dhankawadi Pune - 411043 , Maharashtra
6.	Aurangabad College of Engineering Gut No. 52, Tuljapur Shivar, (Savangi) Jalgaon Road, Aurangabad-431008 Maharashtra
7.	Trimurti Institute of Technology (Polytechnic) S. No. 227/2, Paldhi Bk., Next to North Maharashtra University, Tal. Dharangaon Dist. Jalgaon- 425103, Maharashtra

Odisha	
1.	Dhaneshwar Rath Institute of Engineering & Management Studies (Diploma Wing), Kairapari, Kotsahi (Tangi), Cuttack – 754022, Orissa
2.	Krupajal Engineering School Prasanti Vihar, Pubasason, Kausalya Ganga Bhubaneswar – 751002 Orissa
3.	KIIT University AT/PO. : KIIT, Bhubaneshwar – 751024, Orissa
4.	Black Diamond College of Engineering & Technology Jharsuguda (BDCET) At : Balijori, L & T Dhutra Road, Jharsuguda Orissa-768202
5.	Sanjay Memorial Institute of Technology Chandipadar, Via : Bhattakumarada, Berhampur, Dist.-Ganjam-761003, Orissa
6.	Gopal Krishna College of Engineering & Technology I.E.M., Gourahari Vihar, P.O.-Raniput, Jeypore, Koraput, Odisha-764005
7.	Orissa Engineering College Nabajyoti Vihar, Nijigarh Kurki, P.O.-Harirajpur, Jatni, Bhubaneswar-752050, Orissa
8.	Suddhananda Engineering & Research Centre At-Nachhipur, P.O. : Bhatapatana, Bhubaneswar, Dist : Khurda Orissa -752115
9.	Raja Kishore Chandra Academy of Technology (Polytechnic) At/Po : Nilgiri, Dist : Balasore, Balasore-756040, Orissa
10.	Suddhananda Residential Polytechnic At – Nachhipur, PO-Bhatapatana, Dist. Khurda-751012, Bhubaneswar
11.	SGI School of Architecture At-Nachhipur, Po-Bhatapatana, Dist-Khurda- 752115, Orissa

Punjab	
1.	Lovely Institute of Technology (Architecture) Jalandhar-Ludhiana, G.T.Road, Near Chehru Railway Bridge, Phagwara, Kapurthala-144402, Punjab
2.	Desh Bhagat Engineering College Amloh Road, Mandi Gobingarh, Punjab
3.	Guru Nanak Dev Engineering College Gill Road, Ludhiana, Punjab
4.	Institution of Engineering & Technology Bhaddal, Ropar, Punjab
5.	Tawi Engineering College Shahpur Kandi, Tehsil Dharkalan, District Pathankot, Punjab

Rajasthan	
1.	Sri Balaji College of Engineering & Technology Benad Road (Dadi Ka Phatak), Jaipur – 302013, Rajasthan
2.	College of Engineering and Technology Bikaner, Kani Industrial Area, Pugal Road, Bikaner-334005, Rajasthan
3.	Aayojan School of Architecture ISI-4, RIICO Institutional Block Sitapura, Goner Road Jaipur-302022 ,Rajasthan
4.	Aryabhatta College of Engineering and Research Centre Ajmer- 305001 Rajasthan
5.	Saraf Institute of Engineering & Technology Tibbi Road- Extension, Hanumangarh Town Rajasthan-335513
6.	Siddhi Vinayak Engineering & Management College E-I, B-1, M.1.A., Institution Area Alwar-301001 Rajasthan
7.	SLBS Polytechnic College NH-112, Jodhur-Jai0pur Highway, Dangiawas, Jodhpur-342027, Rajasthan
8.	SLBS Engineering College NH-112, Jodhpur-Jaipur Highway, Dangiawas, Jodhpur-342027, Rajasthan
9.	Laxmi Devi Institute of Engineering & Technology Alwar-Tijara-Delhi Highway, Chikaani, Alwar- 301028, Rajasthan

Tamil Nadu	
1.	Apollo Priyadarshanam Institute of Technology Panruti, Sriperumbudur Taluk, Kancheepuram District, Chennai-631604 Tamil Nadu

Uttarakhand	
1.	Dehradun Institute of Technology Mussoorle-Diversion Road, P.O. – Bhagwantpur, Dehradun, Uttarakhand
2.	Drona's College of Management & Technical Education Opposite Rajpur, Bypass, Sahastradhara Road, PO : Gujarada Dehradun-248001 Uttarakhand
3.	Shivalik College of Engineering Shiniwala, P.O. Sherpur, Shimla Road, Dehradun-248197, Uttarakhand

Uttar Pradesh	
1.	Bundelkhand Institute of Engineering & Technology Kanpur Road, Jhansi – 284128, Uttar Pradesh
2.	Radha Govind Engineering College Anuyogipuram ,Near Medical College Garh Road, Meerut – 250004 Uttar Pradesh
3.	Gandhi Polytechnic Muzaffarnagar, Uttar Pradesh
4.	Hewett Polytechnic Mahanagar, Lucknow, Uttar Pradesh
5.	Lucknow Polytechnic Abhiyantrik Upnivesh, Krishna Nagar, Kanpur Road, Lucknow Uttar Pradesh
6.	Sevdie Institute of Management & Technology, (S.I.M.T) Chinhat Deva Road, Lucknow, Uttar Pradesh
7.	North India Institute of Technology 7 th km Bundki Road, Najibabad Dist. Bijnor, Bijnor-246763 Uttar Pradesh
8.	Devprayag Institute of Technical Studies Devprayag Technical Campus, Phaphamau, Allahabad, Uttar Pradesh
9.	Jaswant Singh Bhaduria Institute of Technology Kosi Khurd Bharatpur Road Mathura- 281005, Uttar Pradesh
10.	Sunderdeep College of Architecture NH-24, Sunder Deep Nagar Delhi-Hapur Road Dasna Ghaziabad-201001 Uttar Pradesh
11.	Goel Institute of Technology & Management Lucknow –Faizabad Road, Near Indira Canal Lucknow-227105, Uttar Pradesh
12.	M G Institute of Management & Technology 8 th Km. Mile Stone from Amausi Airport, Lucknow-Kanpur Highway, Banthara, Lucknow-227101, Uttar Pradesh
13.	Institute of Engineering & Rural Technology Allahabad, 26, Chaitham Lines, Allahabad-211002, Uttar Pradesh
14.	Hanswahini Institute of Science & Technology (Polytechnic) Mahuari Chakia (Near ITI Company), Post-Nibi, Nainin, Allahabad- 211008, Uttar Pradesh
15.	Dreams College of Polytechnic 5 th Km Milestone, Janta Road, Saharanpur- 247001, Uttar Pradesh
16.	Shanti Niketan Group of Institutions NCR Knowledge City, Goon-Gejha Road, Mohiuddinpur, Meerut- 201205, Uttar Pradesh
17.	Dev Bhoomi Group of Institutions Dabki Road, Village-Beri Jama, Post-Baliyakheri, Distt-Saharanpur, Saharanpur- 247001, Uttar Pradesh

West Bengal	
1.	North Calcutta Polytechnic 15, G.M. Lane, Kolkata-700002, West Bengal
2.	Camellia School of Engineering & Technology Nadibhag, P.O.-Kajipara, Barasat, Kolkata-700124, West Bengal

3.	JIS College of Engineering Block "A" Phase-III, Kalyani, Nadia, West Bengal-741235
4.	Rajmati Prichand Bothra Memorial Jiaganj College of Engineering & Technology (RPBM) At - Hatibhjan, PO. Jiagan, Dist. - Murshidabad-742123, West Bengal
5.	Narula Institute of Technology 81, Nilgunj Road, Agarpara, Kolkata-700109 West Bengal
6.	Sanaka Educational Trust's Group of Institutions B-150, Columbia Street, Bidhan Nagar, P.O. Malandighi, P.S. Kanksa, Burdwan Durgapur-713212
7.	The New Horizons Institute of Technology Phase-II, City Centre, South G.T. Road Durgapur-713208, District.- Burdwan, West Bengal.
8.	Ideal Institute of Engineering Kalyani Shilpanchal, P.O. & P.S. - Kalyani Dist.- Nadia West Bengal-741235
9.	IMPS College of Engineering & Technology Malda Nityanandapur, P.O- Chandipur (Kajigram), Malda-732103, West Bengal

ABSTRACT		
Sl.No.	State	No. of MoUs
1.	Andhra Pradesh	10
2.	Assam	6
3.	Bihar	2
4.	Chhattisgarh	2
5.	Delhi	1
6.	Gujarat	5
7.	Haryana	9
8.	Himachal Pradesh	4
9.	Jammu and Kashmir	5
10.	Jharkhand	4
11.	Karnataka	2
12.	Kerala	4
13.	Madhya Pradesh	11
14.	Maharashtra	7
15.	Odisha	11
16.	Punjab	5
17.	Rajasthan	9
18.	Tamil Nadu	1
19.	Uttarakhand	3
20.	Uttar Pradesh	17
21.	West Bengal	9
Total		127

PROFESSIONAL VISTAS

- **Recognition by Govt. of India, Ministry of Human Resource Development, Department of Higher Education**
vide Gazette Notification No. F.24/1/2007-TS.III
Dated 06.11.2007.

- **Recognition by Association of Indian Universities (AIU)**
vide letter No. EV/III (366)/2008/71
Dated 11.04.2008.

- **Recognition by All India Council for Technical Education (AICTE)**
vide letter No. Eqvi./AB/Gen.Corr./2008-09 Dated 16.09.2008.

- **Recognition by Union Public Service Commission (UPSC)**
vide letter No. F.2/1/2007-EIB Dated 30. 06.2009.

- **Recognition for GATE by National Coordinating Board-Gate, Deptt. of Education, MHRD, Gol.**

- **Recognition by Government of Goa**
vide letter No.12/11/87-PER/Vol.II
Dated 06.03.2008.

- **Recognition by Directorate of Technical Education, Haryana**
vide letter No.351-53/Dev. Dated 13.06.2008.

- **Recognition by Government of Kerala**
vide letter No.3946/GI/08/H. Edn
Dated 08.07.2008

- **Recognition by RITES Limited**
vide letter No. RITES/RI/RCED/Misc/2008 Dated 14.07.2008.

- **Recognition by Delhi Development Authority (DDA)**
vide letter No.F.7(98)2008/PBI/2399 Dated. 20.08.2008.

- **Recognition by Government of Meghalaya**
vide letter No. FDN.156/2001/249-A Dated 21.08.2008.

- **Recognition by IRCON in International Limited**
vide letter No. IRCON/HRM/31/28/728 Dated 01.09.2008.

- **Recognition by Directorate General Border Roads**
vide letter No. 13616/Gen/Rect /DGBR/97/E1A
Dated 21.10.2008.

- **Recognition by Government of National Capital Territory of Delhi**
vide letter No.1(1)/2008-DD/SB/1520/5609 Dated 29.10.2008.

- **Recognition by Shapoorji Pallonji & Co. Ltd.**
vide letter No. Nil Dated 30.10.2008.

- **Recognition by Government of Andhra Pradesh**
vide letter No. 10232/EC.2/2008-02 Dated 05.11.2008.

- **Recognition by Administration of Daman & Diu (UT)**
vide letter No. 10.2 (PART-IV) EST-GP/2008-09/797 Dated 11.11.2008.

- **Recognition by CPWD- Central Public Works Department, Government of India**
vide letter No.A-12021/1/2006-EC VI/74-75 Dated 19.01.2009.

- **Recognition by Visvesvaraya Technological University, Karnataka**
vide letter No. VTU/Aca/OS-GC/2009-10/2118
Dated 04.06.2009

- **Recognition by Government of Nagaland**
vide letter No. IT/10-1/04 Dated 30.07.2009

- **Recognition by Government of Uttarakhand, PWD, Pauri Garhwal**
vide letter No.1011/20(15) E.A.-Parv./09-10
Dated 06.09.2009.

- **Recognition by Government of Chhattisgarh, Department of Technical Education**
Manpower Planning, Science & Technology, Mantralaya, D.K.S Bhavan, Raipur
vide letter No.F-14/07/42 Dated 11.05.2010.

- **Recognition by Government of Punjab, Technical Education and Industrial Training, Punjab Chandigarh.**
vide letter No.1362 Dated 24.06.2010.

- **Rural Electrification Corporation Limited (A Government of India Enterprises)**
vide letter No. REC/ED(HR)/Trg./2010-11/
Dated 10.08.2010

- **Cement Corporation of India Ltd. (A Government of India Enterprises)**
vide letter No. PD/HRD/6/6/2010/6119
Dated 12.08.2010

- **Recognition by Delhi Metro Rail Corporation Ltd.**

vide letter No DMRC/O&M/HR/2010
Dated 20.08.2010

- **Recognition by Oil and Natural Gas Corporation Ltd. Rectt. Section, Tel Bhawan, Dehradun**

vide letter No. 7(2)/PR-Rectt./2010
Dated 26.08.2010

- **Recognition by Anna University Chennai, Chennai-600025**

vide letter No.2664?AU/DD1-DAC/2011/F21
Dated 07.01.2011

- **Recognition by Government of West Bengal, Directorate of Technical Education & Training, Kolkata**

vide letter No.728 TET Dated 28.03.2011

- **Recognition by Government of Karnataka**

vide Govt. order No. ED 21 UTV 2012
Dated 09.03.2012

- **Recognition by State Board of Technical Education and Training, Andhra Pradesh, Hyderabad**

vide letter No. No. Lr.No.SBTEL/B5-775/596/EQUI/2012
Dated 02/04/2013

- **Recognition by Maharshi Dayanand University Rohtak**

vide letter No. AC-3/2013/F-207/4085-98 Dated 26.04.2013

- **Recognition by Andhra Pradesh Public Service Commission**

vide letter No.1549/RN/2012 dated 29.04.2013

- **Recognition by CAT**

vide e- mail Dated 23.07.2013

- **Recognition by Birla Institute of Technology, Mesra Ranchi-835215**

vide letter no. GO/ICE(I)/13-14/3781 Dated 05.08.2013

- **Recognition by Public Service Commission, West Bengal**

vide No. 101PSC(S&R)/2M-1/09(S&R)(Pt) Dated 07.08.2013

- **Karnataka Public Service Commission**

vide No. R(i)484/13-1 Dated 30.09.2013

- **The Institution of Engineers (India)**

vide No. EEA/ACC/3179/A KG Dated 11.11.2013

- **Meghalaya Public Service Commission**

vide No. MPSC/E-27/2011-2012/85 Dated 15.11.2013

- **Recognition by All India Management Association (AIMA)**

Vide No. MAT/M-14 Dated 18.12.2013

- **Recognition by Jawaharlal Nehru Technological University, Hyderabad**

vide No. MAT/M-14 Dated 18.12.20A1/1640/2014
Dated 07.01.2014

- **Recognition by NHPC Limited**

vide letter No.NH/HR/Rectt./060/Int.Ind./2014/308
Dated 17.07.2014

- **Recognition by Instrumentation Limited**

vide letter No. IL/CPD/Rectt-73/2014-15
Dated 18.07.2014

- **Recognition by Rajasthan Technical University**

vide website Notification dated 07.07.2014

- **Recognition by XAT**

vide Fax dated 14.11.2014

- **Recognition by University of Mumbai**

vide letter No. Elg/2331 of 2014 dated 26.11.2014

- **Recognition by Army**

vide letter No.B/60202/ RTG UES dated 28.11.2014

- **Recognition by Mahatma Gandhi University, Kerala**

vide letter No. AcD/02/4092/2014
dated 2.12.2014

- **Recognition by Assam Don Bosco University, Assam**

vide letter No. DBU/SM/33/15-01 dated 3rd March,2015

- **Counselling Cell of Directorate of Technical Education Government of Madhya Pradesh**

vide Website details : Dte.mponline.gov.in

- **Recognition by Govt. of Himachal Pradesh**

vide letter No. EDN(TE)F(10)1/2012 dated 24th August,2015

- **National Scholarship Portal**
https://www.scholarships.gov.in
- **Recognition by Maharshi Dayanand University, Rohtak**
vide letter No. AC-3/2016/F-208/7967-68 dated 20th May, 2016
- **Recognition by Department of Water Resources, Government of Maharashtra**
vide Unique Code 201602101145238027 dated 08.02.2016
- **Recognition by Public Work Department, Government of Maharashtra**
vide Unique Code 201606271752441418 dated 27.06.2016
- **Recognition by PWD Department, Government of Bihar**
vide No. 12-36/2016/2260(s) dated 09.03.2017
- **Recognition by Irrigation & CAD (Services-I) Department Government of Telangana**
vide Memo . No. 3033/Ser.I(1)/2016-5 Dated 08.03.2017
- **Recognition by Osmania University, Hyderabad**
vide No.910/L/Acad/2017 Dated 11.07.2017
- **Recognition by Manav Rachna International Institute of Research and Studies (Manav Rachna University) Haryana**
vide letter No. MRIIRS/R&S/2018/75 Dated 28.02.2018

रजिस्ट्री सं. डीएल(एन)-04/0007/2003--05

REGISTERED No. DL(N)-04/0007/2003--05

भारत का राजपत्र The Gazette of India

साप्ताहिक/WEEKLY

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं. 45] नई दिल्ली, शनिवार, नवम्बर 10—नवम्बर 16, 2007 (कार्तिक 19, 1929)
No. 45] NEW DELHI, SATURDAY, NOVEMBER 10—NOVEMBER 16, 2007 (KARTIKA 19, 1929)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

विषय-सूची	
भाग I—खण्ड-1—(रक्षा मंत्रालय को छोड़कर) भारत सरकार के मंत्रालयों और उच्चतम न्यायालय द्वारा जारी की गई विधितर नियमों, विनियमों, आदेशों तथा संकल्पों से सम्बन्धित अधिसूचनाएं	1051
भाग I—खण्ड-2—(रक्षा मंत्रालय को छोड़कर) भारत सरकार के मंत्रालयों और उच्चतम न्यायालय द्वारा जारी की गई सरकारी अधिकारियों की नियुक्तियों, पदोन्नतियों, छुट्टियों आदि के सम्बन्ध में अधिसूचनाएं	1109
भाग I—खण्ड-3—रक्षा मंत्रालय द्वारा जारी किए गए संकल्पों और असांविधिक आदेशों के सम्बन्ध में अधिसूचनाएं	3
भाग I—खण्ड-4—रक्षा मंत्रालय द्वारा जारी की गई सरकारी अधिकारियों की नियुक्तियों, पदोन्नतियों, छुट्टियों आदि के सम्बन्ध में अधिसूचनाएं ...	1729
भाग II—खण्ड-1—अधिनियम, अध्यादेश और विनियम	*
भाग II—खण्ड-1क—अधिनियमों, अध्यादेशों और विनियमों का हिन्दी भाषा में प्राधिकृत पाठ	*
भाग II—खण्ड-2—विधेयक तथा विधेयकों पर प्रवर समितियों के बिल तथा रिपोर्ट	*
भाग II—खण्ड-3—उप खण्ड (i)—भारत सरकार के मंत्रालयों (रक्षा मंत्रालय को छोड़कर) और केन्द्रीय प्राधिकरणों (संच शासित क्षेत्रों के प्रशासनों को छोड़कर) द्वारा जारी किए गए सामान्य सांविधिक नियम (जिनमें सामान्य स्वरूप के आदेश और उपविधियां आदि) भी शामिल हैं	*
भाग II—खण्ड-3—उप खण्ड (ii)—भारत सरकार के मंत्रालयों (रक्षा मंत्रालय को छोड़कर) और केन्द्रीय प्राधिकरणों (संच शासित क्षेत्रों के प्रशासनों को छोड़कर) द्वारा जारी किए गए सांविधिक आदेश और अधिसूचनाएं	*
भाग II—खण्ड-3—उप खण्ड (iii)—भारत सरकार के मंत्रालयों (जिसमें रक्षा मंत्रालय भी शामिल है) और केन्द्रीय प्राधिकरणों (संच शासित क्षेत्रों के प्रशासनों को छोड़कर) द्वारा जारी किए गए सामान्य सांविधिक नियमों और सांविधिक आदेशों (जिनमें सामान्य स्वरूप की उपविधियां भी शामिल हैं) के हिन्दी प्राधिकृत पाठ (ऐसे पाठों को छोड़कर जो भारत के राजपत्र के खण्ड 3 या खण्ड 4 में प्रकाशित होते हैं)	*
भाग II—खण्ड-4—रक्षा मंत्रालय द्वारा जारी किए गए सांविधिक नियम और आदेश	*
भाग III—खण्ड-1—उच्च न्यायालयों, नियंत्रक और महालेखापरीक्षक, संच लोक सेवा आयोग, रेल विभाग और भारत सरकार से सम्बद्ध और अधीनस्थ कार्यालयों द्वारा जारी की गई अधिसूचनाएं	5827
भाग III—खण्ड-2—पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस	741
भाग III—खण्ड-3—मुख्य आयुक्तों के प्राधिकार के अधीन अथवा द्वारा जारी की गई अधिसूचनाएं	*
भाग III—खण्ड-4—विधिक अधिसूचनाएं जिनमें सांविधिक निकायों द्वारा जारी की गई अधिसूचनाएं, आदेश, विज्ञापन और नोटिस शामिल हैं	11459
भाग IV—गैर-सरकारी व्यक्तियों और गैर-सरकारी निकायों द्वारा जारी किए गए विज्ञापन और नोटिस	685
भाग V—अंग्रेजी और हिन्दी दोनों में जन्म और मृत्यु के आंकड़ों की दर्शने वाला सम्पूर्ण	*

* ऑनलाइन प्राप्त नहीं हुए।

I—311GI/2007

(1051)

मानव संसाधन विकास मंत्रालय
(उच्चतर शिक्षा विभाग)

नई दिल्ली, दिनांक 6 नवम्बर 2007

सं.एफ. 24-1/2007-टी.एस.।।। शैक्षणिक योग्यताओं को मान्यता प्रदान करने के लिए उच्च स्तरीय समिति की दिनांक 22 मई, 2007 की बैठक में की गई सिफारिशों के आधार पर भारत सरकार ने उपर्युक्त क्षेत्र में केन्द्रीय सरकार की सेवाओं तथा पदों पर रोजगार देने के उद्देश्य से शैक्षणिक सत्र, 2007-08 से सिविल इंजीनियरी संस्थान (भारत), लुधियाना (पंजाब) के अखिल भारतीय तकनीकी शिक्षा परिषद द्वारा अनुमोदित पाठ्यचर्या अनुसार संचालित सिविल इंजीनियरी और वास्तुकला इंजीनियरी पाठ्यक्रमों में एसोशिएट सदस्यता पाठ्यक्रम की धारा (क) और (ख) को डिग्री के समकक्ष और तकनीकी इंजीनियरों (त) के भाग I और II को डिप्लोमा के समकक्ष मान्यता प्रदान करने का निर्णय लिया है। यह मान्यता इस शर्त के अधीन होगी कि अभ्यर्थियों की कुल संख्या उक्त परीक्षा के लिए सम्बन्धित संस्थान की अधिकृत दाखिला क्षमता से अधिक नहीं हो जिसके साथ सिविल इंजीनियरी संस्थान (भारत), लुधियाना (पंजाब) ने संगम ज्ञापन किया है। मानव संसाधन विकास मंत्रालय एक वर्ष के बाद अखिल भारतीय तकनीकी शिक्षा परिषद के माध्यम से शैक्षणिक योग्यताओं की मान्यता की पुनरीक्षा करेगा।

रवि माथुर
संयुक्त सचिव

**MINISTRY OF HUMAN RESOURCE DEVELOPMENT
(DEPARTMENT OF HIGHER EDUCATION)**

New Delhi, the 6th November 2007

≤ **No.F.24 – 1 / 2007 – TS.III.** On the recommendations of the High Level Committee for recognition of Educational Qualifications in its meeting held on 22nd May 2007, the Government of India has decided to give recognition to the Section A & B of Associate Membership course, equivalent to Degree and Part – I & II of Technician Engineers (T) equivalent to Diploma in Civil Engineering and Architecture Engineering Courses conducted by the Institution of Civil Engineers (India), Ludhiana (Punjab) as per syllabus approved by All India Council for Technical Education (AICTE) w.e.f. the academic session 2007 – 2008 for the purpose of employment to the posts and services under Central Government in the appropriate field. It is subject to the conditions that the total number of candidates who can be admitted for the said examination would not exceed the authorized strength of the concerned Institutions with which Institution of Civil Engineers (India), Ludhiana (Punjab) has entered into Memorandum of Understanding (MOUs). A review in respect of recognition of educational qualifications shall be made by Ministry of Human Resource Development after one year through All India Council for Technical Education (AICTE).

RAVIMATHUR
Joint Secretary

प्रबन्धक, भारत सरकार मुद्रणालय, फरीदाबाद द्वारा मुद्रित
एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 2007
PRINTED BY THE MANAGER, GOVERNMENT OF INDIA PRESS, FARIDABAD AND
PUBLISHED BY THE CONTROLLER OF PUBLICATIONS, DELHI, 2007

NOTIFICATION OF ECI REGISTRATION IN NATIONAL REGISTER OF PROFESSIONAL ENGINEERS

- 1) **Introduction:** Registration of Professional Engineers, Associate Professional Engineers, Student Engineers, and some other categories on a voluntary basis is going on since 1 December, 2015. Member Associations (MAs) have a major role to play as they call for applications, screen them through their set up National Committees (NCs) for respective fields/disciplines of engineering. These NC give their recommendations to the Board of Registration of Professional Engineers (BRPE), set up by ECI and its member associations.
- 2) **Benefits of Registering:** The Registration, enhances the credibility and image of the Engineer. His/her acceptance by industry, institutions, clients and other organisations goes up when he/she mentions the fact of this registration as PE (or APE or SE) which distinguishes him/her from those who are not registered. We are informing the various government departments, public sector organisations, local authorities, industry associations regarding the National Register. Specifically, it will result in :
 - (i) Better credibility and possibility to make use of the branding of ECI and concerned Member Associations, as the names are being listed on the website.
 - (ii) Using the Certificate of Registration as PE in the National Register as a part of CV, and
 - (iii) Better prospects for assignments/jobs after this is publicised to client/employer organisations.
- 3) **National Registers:** There are separate National Registers for:
 - (i) Professional Engineer (P. E)
 - (ii) Associate Professional Engineer (APE)
 - (iv) Apprentice/Ggraduate Engineers (ApE)
 - (v) Junior Apprentice Engineer (JrApE)
 - (vi) Student Engineer (SE)
 - (vii) Diploma/B.Voc Student Engineer (DiSE).

The details and Criteria for registration under each category, Disciplines and Code of Ethics which the applicant has to sign, are given on the web site www.ecindia.org.

- 4) **Categories and Fee:** Initial registration fee is Rs. 3000 for PE, Rs. 2000 for APE, App. E & Jr. App. E and Rs. 1000 for SE plus applicable GST. The fee structure is subject to change in future. The registration is subject to renewal after 5 years.
- 5) **Continuous Professional Development (CPD):** All registered engineers are expected to meet the minimum CPD requirement, in their registered specialisation, before being considered for registration or renewal of registration. Nature of the programmes constituting CPD activities and credit hours to be earned are given on the web site www.ecindia.org. It is the aggregate of credit hours earned in 5-years, for each registered specialisation, that will determine as to whether a PE has secured at least 250 credit hours within his/her five years' registration validity period or not, for re-registration. MAs have a major role in organizing the CPD programmes for respective disciplines.

ENGINEERING COUNCIL OF INDIA

1304, Hemkunt Chamber, 89, Nehru Place, New Delhi-110019 • Tel. : +91-11-41783281, 41783282, 26283281 • Fax : 26283282
E-mail : eci@ecindia.org, dir@ecindia.org • Website: www.ecindia.org

Alumni.....A Lifelong Relationship !

Keep it alive!

Alumni Engagement is at the core of the Institution of Civil Engineers (India). Keeping this in mind, the institution has worked towards building a strong alumni community and will continue to work in this direction.

"Alumni are the true brand ambassadors of their Alma Mater and represent it everywhere they go. They truly reflect the values of the institution from which they have graduated."

In order to actively engage our alumni, The Institution of Civil Engineers (India) encourages alumni participation to bring them together by providing a forum for meeting and exchange of views, to facilitate professional networking for mutual benefit and to contribute to the Institution's efforts for achieving excellence in academics and research through sharing knowledge and expertise of its members in areas pertaining to academics, infrastructure, industry interactions and others, if any.

The Alumni are also invited for seminars, conferences, advancement programs etc. to enhance their learning's which they can further use in their own respective work areas.

Keep reading this column for more news and updates on our Alumni.....!!.

The Members, who have not yet enrolled, may get in touch with us on icei.alumni01@gmail.com or at Delhi Office.

Secretary General



THE INSTITUTION OF CIVIL ENGINEERS (INDIA)

(A Govt. of India Recognized Degree Level Institution)

309-310, Suncity Trade Tower, Sector 21, Gurugram, Haryana-122016

Ph. No. : 0124-4128301-02-03

Email : ice.alumni01@gmail.com Website : www.ice.net.in

Regd. Off : 'Career House' Bindra Complex, Model Town, Ludhiana (Punjab)

ALUMNI MEMBERSHIP FORM

1. Name : _____
(In Capital Letters)
2. Father's Name : _____
3. Membership Certificate : T.Engg./AMICE Membership No. _____
obtained from ICE(I) : Roll No. _____
with details : Session of Completion of the Course _____
4. Profession after : _____
completion of the course
5. Present Occupation with : _____
Designation & Office
Address
6. Correspondence : _____
Address
7. Contact Details : E-mail ID _____
Telephone Nos: Office _____
Residence _____
Mobile: _____
8. Any special achievement : _____
awards
9. Remarks : _____

Date : _____

Signature of the Member

FOR OFFICE USE ONLY

Alumni Registration No. _____

Date of Registration _____

MEMBERS OF THE ALUMNI ASSOCIATION OF ICE(I)

Sl. No.	Membership No.	Candidate's Name	Designation	Office Address
1.	50263	Shradha Nand Bansal	CEO	L&Q Surverys (P) Ltd. XV-5352/A, Shora Kothi Pahar Ganj, New Delhi-55
2.	50997	Vinod Kumar Joshi	Assistant Engineer	URRDA, 1st Floor, Directorate of Panchayati Raj, Dehradun
3.	51023	Amit Chauhan	Senior Engineer	AFCONS Infrastructure Ltd, Afcons House 16, Veera Desai Road, Andheri (W) Mumbai
4.	51296	Santosh Kumar Sahu	Junior Engineer	Rural Engineering Services, Sub Engineer Block, Lailunga, CG
5.	50141	Pyare Lal	Junior Engineer	Irrigation & Public Health Div, Jawali, (HP)
6.	52923	Raman Sharma	Junior Engineer	Military Engineer Services, Garrison Engineer Chandi Mandir, Cantt. Panchkula
7.	50092	Jai Shanker Prasad Keshari	Dy. Manager	P&C Complex, PHED-II, NHPC Ltd, PO-Nagwain, Dist Mandi, (HP)
8.	55165	Harminder Singh	Manager(Civil)	M/s National Fertilizers Ltd. Bathinda
9.	51840	Satyendra Prasad	Junior Engineer	HQ-CWE, 153 Ashok Marg Mhow, Indore
10.	50060	Virinder Kumar Rattanpal	Junior Engineer	C/o PHE, Sub Div, Gandhinagar, Jammu
11.	50830	Raghunath Routray	Foreman	Archaeological Survey of India, Bhubaneswar Circle, Satya Nagar, Bhubaneswar
12.	51948	Lotliker Deepak Anand	Assistant Engineer	Pandit Jawaharlal Nehru Stadium, Sports Authority of Goa, Fatorda 403602
13.	50115	Devendra Singh Rana	Proprietor Architectural Services	Associates, 19-C, Subhash Road, Dehradun- 248001
14.	57041	Vivek Sharma	Additional Assistant Engineer	Irrigation Construction Division, Kalsi (Ambari) Dehradun, UK
15.	55162	Vijay Kumar Garg	Assistant Engineer	DWD Irrigation Dept. Executive Engineers Drg. Div. Ludhiana (Punjab)
16.	51650	Dinesh Kumar Awasthi	Assistant Manager	RITES Ltd. Plot-1, Sec-29, Gurgaon
17.	50198	Dinesh Kumar Pacholi	Consulting Engineer & Valuer	15, Prachi Villa, Friends Colony, Udaipur
18.	51378	Kuldeep Kumar	Junior Engineer	NHPC Ltd. Parbati II, HE Projects, Power House Complex Sainj, Distt- Kullu (HP)

19.	51618	Anurag Agarwal	Junior Engineer	Serving in State Govt. Deptt (Peyjal Nigam) Executive Engineer, PIU-2, uudip, C- Block, New ISBT Complex, Dehradun
20.	51977	Challa Ravi Kumar Babu	Architecture & Builder	Flat No. 302, City Plaza, Opp Andhra Sports, Dalagardens, Visakhapatnam
21.	50493	Basudeba Satapathy	Director	Vidyarthee Institute for Technological Studies IM-0205
22.	53794	Rajesh	Planning Manager	C&C Construction Ltd. Vill. Samoor, Distt, Una (HP)
23.	50055	Sushil Bazaz	Junior Engineer	R.C.C. Lower Div-I, Kathua, J&K
24.	50049	Satish Kumar	Junior Engineer	Irrigation, Div No. II, Jammu, J&K
25.	50051	Vidya Dhar	Junior Engineer	Town Drainage Division, Jammu, C/o Transport Nagar Narwal (Jammu)
26.	50120	Abdul Aziz Ahmed	Junior Engineer	DRDA, Barpeta, Assam
27.	50808	Ved Prakash	Assistant Engineer	Ghaziabad Development Authority, Vikash Path Ghaziabad
28.	51965	MD Tajammul Hasan	Junior Engineer	SSA, Dhanbad
29.	50125	Kichin Chandra Das	Junior Engineer	C.E. PWD (B), Assam, Chandmari, Guwahati
30.	50122	Dilip Kr. Nath	Junior Engineer	PWD (B), Assam Guwahati-3
31.	50124	Tarun Sarma	Junior Engineer	The Chief Engineer, PWD Building, Assam, Chandmari, Guwahati-3
32.	50260	Lallan Prasad	Project Manager	M/s Siddhivinayak enterprises pvt ltd. Bajpai chambers
33.	52600	Anil Kumar	Junior Engineer	Junior Engineer, MES (Min of Defence, C/o GE (I) 873 EWS 56 APO
34.	51858	Amit Kumar	Junior Engineer	MNREGA, Dhanbad Block, Chiragora
35.	52920	Joginder Singh	Junior Engineer	JE-Civil, Garrison Engineer (Air Force) MC, Chandigarh, Military Engineer Services 160003
36.	52073	Ravindra Kumar Alawat	Assistant Engineer	BHEL PSNR Plat No. 25, Sec-16 A, Noida (UP)- 201301
37.	52145	Anil Kumar	Additional S.D.O.	Haryana Irrigation Deptt., Indri W.S. Div., Karnal
38.	52927	Manjit Singh	Senior Technician	Water Supply & Sanitation, Sub Division No.2, Mukerian Dist, Hoshiarpur, PB
39.	50222	Sajal Mitra	Executive Engineer	CRMD MII2 PWD, GNCTD, Road No., 3, Sainik Vihar, New Delhi-3
40.	50134	Likha Tasi	Junior Engineer	W.R.Division, Itanagar, Arunchal Pradesh-701111

41.	51575	Avdesh Gupta	Junior Engineer	Delhi Metro Rail Co. Ltd., O/o CPM-3/Line-7, Tuglak Crescent Park, Tuglak Road, ND-11
42.	51979	Dalvir Singh	Executive Engineer	PWD B&R Construction Division No.2 Hoshiarpur (PB)
43.	51301	Sunil Kumar Sinha	Counsaltanti ng Engineer	Gond Para Near Raja Ram Mandir Bilaspur, CG
44.	51015	Somashekar	Senior Engineer	KGSL Steel Ltd. Tadipatri (MD) Aantapur (Dist), Andra Pradesh
45.	52023	Rajesh Mahadev Raikar	Consulting Engineer	Kolwalkal Plaza, Taleigao Market, Goa
46.	54379	Mukesh Verma	Junior Engineer	Indian Railway C-52/G, Rail Vihar, C.S. Pur, Bhubaneswar-751023
47.	50259	Manoj Kumar Verma	Deputy Manager	Adhunik Power & Natural Resources Ltd. 229, A.J.C. Bose Road, Kolkata
48.	50056	Sanjay Sharma	Junior Engineer	M/s Samparkhomes, 47 C/C Green Belt Gandhi Nagar, Jammu
49.	53412	Shahnaz Ahmad Dar	Junior Engineer	Dept. SSA Education Bulgam
50.	51420	Farooq Ahmad	Junior Engineer	PWD (R &B) Sub Division Banihal, Dist. Ramban, J&K-182146
51.	51776	Raj Kumar	Dy. General Manager	ITES Ltd. Plot-1, Sec-29, Gurgaon
52.	51854	Vikas Verma	Field Engineer	M/s KE International Ltd., H.No. 10, Sec-6, Trikuta Nagar, Jammu
53.	52929	Som Lal	Assistant Engineer	O/o The Executive Engineer, Chandigarh Central Div-I, CPWD, Kendrya Sadan, Sec-9 A, Chandigarh
54.	50123	Dhiraj Sarma	Junior Engineer	O/o The Superintending Engineer PWRD, Guwahati, NEC Circle, Fancy Bazar, Guwahati-781004
55.	52120	Dibya Ranjan Tripathy	Asst. Engineer,	Cuttack Muncipal Corporation, Cuttack, Odisha
56.	51258	Shikh Aijaz Nabi	Junior Engineer	PWD (R & B) Division Aailoo AnanInag, J &K
57.	58104	Vishal Anand	Junior Engineer	CWC, Bantalab, Jammu
58.	50277	Rakesh Kumar Sharma	S.D.O	Water Resources, E/M Light Macheinery tubewell Balod (C.G)
59.	50256	Bimal Narayan Barman	Junior Engineer	Guwahati Bldg div-1 Fancy Bazar, (GHY-1 (Assam)
60.	50193	Satish Kumar	Assistant Engineer	CPWD Iind Floor Vigyan Bhawan, Annexe, CPWD Delhi
61.	52389	Tana Acha Tara	Junior Engineer	Pare hydro electric project, north eastern electric power corporation ltd, arunachal pardesh
62.	58610	Asif Ali Farooqi	Site Engineer	Morning star impex pvt ltd G-6 kamal complex.M.1 road jaipur-1

63.	52888	Narinder Singh	Asst. Highway Engineer	M.Venkata Rao infra project pvt ltd .1052 park royal plot 10A sec-9 dwarka. New delhi
64.	52222	Bathina Chantabbayi	Consulting Architecture & Builder	Prasanth Associates
65.	54479	Anil Kumar	Supervisor	Newpal, Construction company fathepur, distt
66.	50503	Saroj Kumar Dash	Asst. Engineer	Rural Work Sub division panposh sundargarh odisha
67.	51335	Dinesh Kumar Mahato	Asst. Engineer	FCX Bhel Jhansi
68.	52631	Mukesh Samadhiya	Sub Engineer	M.P Housing and Infrastructure Development borad division-1 gwalior (M.P)
69.	55554	Saurabh Dasot	Lecturer	Architect Assistanceship College, Kota Raj
70.	53107	Satish Kumar Gupta	Contractual Junior Engineer	Flood Control Deptt
71.	56257	Santosh Kumar Rath	Assistant Engineer	SAIL, Rourkela Steel Plant
72.	52497	MD Rashid Alam	Junior Engineer	C/o District Engineer, P.O Shivpahar, Near Pakur Road, dist Dumka, Jharkhand Pin-814101
73.	56326	Ponnamanda Ganeshkumar	Assistant Engineer	O/o SE© RT Nagar HPO Ist Floor Bangalore
74.	50302	Rakesh Kumar Choubey	Project Manager	Bridge Construction for southern railway Add-102, srinilayanagar,ameerpet, hyderabad-500073
75.	55878	Shailendra Kumar Vyas	Dy. General Manager	3rd Floor, sapphire Twins- right wing PU-3 Scheme No-54, A.B Road , Indore-4520100, India
76.	57619	Vinay Pingle	Director	M/s Mid India civil electors pvt ltd A (Contractorship form)
77.	58282	Javed Iqbal	Junior Engg	PMGSY Division
78.	50930	Rakesh Kumar Sharma	Work Supervisor,	P.W.D R&B Div.II
79.	50937	Sudesh Kumar Sargotra	Junior Engineer	P.W.D R&B Div No-II Jammu
80.	50037	Kishori Lal	Junior Engineer Civil	Kishtwar Development Authority
81.	55200	Sanjeev Sharma	Junior Engineer	P.W.D (R&B) Divison Udhampur (J&K) Jammu
82.	51206	Atulaya Padha	Junior Engineer Civil	J&K State Govt as at BHEP Chanderkote Distt Ramban

83.	50940	Kuldeep Chander Raina	Assist Engineer	Central Workshop div Near RTO office Narwal, Jammu
84.	55199	Ranjeet Kumar	Supervisor	F Com Pvt Ltd
85.	50680	Tanmay Sen	Assistant Engineer	Ministry of Rural Dev. Govt of Rajasthan
86.	59483	Shalabh Gupta	Assistant Engineer to Superintending Engineer	Postal civil Circle, 6th Floor, Meghdoot Bhawan GPO Compound, Patna-800001
87.	51310	Ksanborbah Kharkamni	Designer Engineer, Builder	Proprietor KS & Associates MJ By grace Building, 2nd Floor Umsohsun Road, shillong-793001, Meghalaya
88.	52242	Ranjeet Kumar Singh	Junior Engineer (Civil)	Garrison Engineer, Military Engineer Service Cabt Kangra
89.	54878	Rajpal Singh Rawat	Senior Engineer Civil	H.I.H.T University Jollygrant Doiwala Dehradun(U.K)
90.	51635	Munir Ahmed	Junior Engineer	Irrigation & Flood Control
91.	55202	Sajad Ahmed Padder	Junior Engineer	(PWD R&B) Distt Ramban
92.	51627	Nand Kishore	Junior Engineer	Block Office rajouri Jammu
93.	60059	Suresh Tripathi	Consulting Architectural Engineer & Valuer,	Suresh Tripathi & Associates
94.	57823	Santu Thakur	Consultant	123, RN Tagore Rd, PO Berhampur Murshidabad, West Bengal
95.	50989	Narendra Kumar Tripathi	Executive Engineer	Pradhan Mantri Gram Sadak Yojna, Rural Engineering Deptt, Govt of U.P Banda
96.	52113	Dipti Ranjan Nayak	Junior Engineer Civil	Institute of Minerals & material Technology
97.	59133	Rajen Mishra	Sub Assistant Engineer	Office of D.M Darjelling, District Planning Section
98.	52247	Ashok Kumar	Junior Engineer	DRDA, MZP
99.	50046	Mohd. Alam	Assistant Engineer	P.H.E , Sub Division kalakota division nowshera (J & K)
100.	51958	Bimal Mukhopadhyaya	Chief Consultant	
101.	52519	Ananjay Kumar	Junior Engineer (Works)	O/o Chief Admin. Officer Construction organization E.C Railway, Mahendrugat, Patna Bihar-800004

102.	52520	Renu Kumari	Junior Engineer (Works)	Design Division No.1 Irrigation Building water resources Deptt., Anisabad, Patna 800002
103.	50932	Naresh Kumar	Project Engineer	Global Engineer Phase-III Gangyal Jammu (180010)
104.	54443	Shaik Mahaboob Basha	Assistant Engineer	P.R Division Markapur-523316 Andhra Pradesh
105.	50030	Ravi Salgotra	Junior Support Engineer	Shah Technical Consultant Pvt Ltd gandhi nagar, Jammu
106.	58982	Rajinder Kumar Sharma	Junior Engineer	Executive Engineer university works deptt university of jammu
107.	59415	Bipin Pandita	Computer Assistant	Fishries Deptt Canal Road Jammu
108.	58984	Pawan Singh Pathania	Junior Engineer	Executive Engineer Rew Udhampur
109.	58983	Vinod Raina	Junior Engineer	Executive Enginner HPM Const Div Jammu
110.	50600	Aashish Mandal	Site Engineer	Gemstar builder and develop building no-40, sadhana enclave no-16
111.	59447	Pardeep Kumar	Bhooni Architect	#16896, St No. -2, Basant Vihar Bathinda Punjab
112.	60184	Neel Kamal Gandhi	Manager (Civil Engg)	RSWM Limited (Fabric Div) LNJ Nagar, Mordī Banswara (Raj)
113.	55858	Vijay Kumar Kesarwani	Sub Engineer	A.E.P.HED Shahdol M.P
114.	55635	Nega Likha	Junior Engineer	WRD
115.	53761	Rajani Kanta Behera	Technical Assistant	Granpanchayat PR Deptt, Govt of Odisha
116.	54360	Naresh Kumar	Assistant Engineer	Irrigation Deptt Haridwar
117.	58299	Swarnalata Jena	Civil Engineer	Design & Quantity Surveyor, Subudhi Associates, C-spur, BBSR, Orissa
118.	56254	Sabyasachi Mohanty	Dy Manager Planning	RIL Sambalpur
119.	53217	Raman Kumar	Junior Engineer	Govt Employee PKG-1.0 RHEP Jhakri Shimla (H.P)
120.	59497	Sunil Kumar	J.T.O	BSNL C-Subdh-Bhagalpur
121.	58183	Dhrubajyoti Chakraborty	Assistant Engineer	National Institute of Technology, Silchar Assam-788010
122.	50113	Sunil Kumar Gupta	Junior Engineer	Govt Service M.D.D.A Dehradun
123.	50109	Vinod Kumar Chamoli	Junior Engineer	Govt Service M.D.D.A Dehradun
124.	57466	Ram Babu Jatav	Assistant Engineer	PWD Rajasthan

125.	54452	Balee Das Verma	Designer Master Technician	Bhilai Steel Plant (Sail)
126.	57446	Anthony Tana Tara	Project Engineer	Hindustan p repabs Ltd
127.	53722	Madan Lal	Assistant Engineer	GE (N) Mes Ambala Cantt
128.	55866	Ajay Kumar Srivastava	Sub Engineer	P.H.E Sub Division Burhar Distt Shahdol
129.	67027	Anuj Sharma	Junior Engineer	Rural Engineering Deptt Near Collectrate , Pilibhit-262001
130.	67842	Sushil Kumar	Junior Engineer	Irrigation Deptt, U.P Saharanpur (U.P) India
131.	67841	Sumit Saini	Managing Director	Business, Roorkee
132.	60957	Subodh Kumar Jain	AEC(P)	CCW, All India Radio TV studio Complex Jhalama Dongi Jaipur
133.	59306	Barsharani Handique	Assistant Architect	Dipankar Baruah Associates
134.	66925	Vangala Vekateshwarlu	Assistant	Garrison Engineer, B/R III (Naval Base) Ksec, Dolphin Hill Naval Base, SCINDIA, Junction, Viskhapatnam
135.	56895	Anju	Lecturer in Architecture Asst	Pt. L.R College of Technology Ballabgarh Faridabad
136.	56896	Aruna	Lecturer in Architecture Asst	Pt. L.R College of Technology Ballabgarh Faridabad
137.	58562	Anup Kumar Baroj	Sr. Engineer	Pratibha Industries Ltd .IREO
138.	54445	Narender Singh	Project Manager	Jacobsees, Kol-91
139.	51087	Dhilawala Murtuza Johar	Junior Engineer	National Builders infrastructers Pvt Ltd
140.	53744	Bhupender	Sustainable Consultant	AECOM India Pvt Ltd, A-197, Sec-63 Noida, UP-201301
141.	50714	Mithilesh Kumar	SSE/D ROSO	Ministry of Railway LKO
142.	66531	R.Srinivasa Rao	Dy. General Manager (Engg)	H.M.W.S & S Board
143.	56728	Arvind Kumar	Consultant Engineer	Indraprasth Builders & Consultant
144.	53323	Vinayak Kshirsagar	Managing Director	Shree Sthapatya Pvt Ltd
145.	51088	Ebrahim.Joyeb.D ungrawala	Junior Engineering	Hubtown Limited
146.	55340	Munakala Adinarayana Rao	Project Manager	Navayuga Engineering Co.Ltd

147.	57844	Ravi Srivastava	-	India Bulls Real Estate Ltd
148.	58334	Reepu Daman Dube	Section Engineer/Civil	Delhi Metro Rail Co. Ltd.
149.	59417	Rajvir Singh	Junior Engineer	Irrigation Division Almora U.K
150.	64209	J Venkateswarlu	Consulting Architect	Design Home Architects Engineers
151.	57449	Pawan Kumar	Executive (Special Projects)	Ranbaxy labs. Ltd Mohali (PB)
152.	59252	Shaheena Akhter	Asst. Professor	SSM College of Engineering & Technology
153.	66573	Shiv Kumar Dewangan	Sub Engineer	Water Resources Deptt. Govt of Chattisgarh
154.	66574	Gopi Krishna Sharma	Sub Engineer	Water Resources Deptt. Durg Chattisgarh
155.	62876	Anjan Rinya	Student	RGPV Infinity Management Engineering College
156.	62859	Heiratami Shylla	Student	RGPV Infinity Management Engineering College
157.	65829	Om Prakash Singh	Sub Engineer	Executive Engineer Water Resources on Balod
158.	54387	Bibhuti Bhusan Behera	Sr. Design Engineer	Larsen & Toubro Ltd
159.	66362	Rajendra Kumar Soni	Sub Engineer	Water Resources Department Govt of C.G
160.	55944	Gujju Rama Reddy	Junior Engineer (Civil)	Vishakapatnam Port Trust
161.	55204	Mushir Afzal	Senior Engineer	BLGCPL, II-A-21 Lajpat Nagar, New Delhi-24
162.	58432	Harbir Singh Sorout	Junior Engineer Civil	CRMD M142 PWD, Najafgarh, New Delhi
163.	58033	Wasim Ansari	-	-
164.	56215	Vankayalapati Sreenivas	Project Manager	M/s Navayuga Engg.Co.Ltd BKPR-Tajpur Project, Patna Bihar
165.	50412	Lindum Tadum	Site Engineer	TK Engineering Ltd
166.	52205	Bal Krishan Sharma		Nagar Parishad & Bank Valuers,
167.	59307	Tarali Das	Assistant Architect	Rittick Hazarika Design Associates
168.	54215	Naresh Vemulapalli	Senior Assistant Manager	M/s Coastal Projects Ltd (QA/QC), Solapur

169.	59686	Somendra Kumar	Junior Engineer Civil	Office of the Executive Engineer, CD-2 PWD Bijnor HQ, Najibabad
170.	57465	Lala Ram	Assistant Engineer	PWD Sub Div Tijara (Alwar)
171.	55677	Ranjan Kumar	Civil Engineer	Aditya Birla Group
172.	61769	Pinaki Ranjan Halder	Highway Design Engineer	Neel Construction Links Pvt Ltd
173.	54185	Kunj Bihari Yadav	Project Engineer	Tec Pvt Ltd C3/143 TanakPuri New Delhi
174.	55933	Nowaid Aziz Khan	Consultant Engineer	23 Mardikar Gali Balaghat (M.P) 481001
175.	55935	Mahendra Kumar Deshmukh		Vastu Construction , Dhanraj Complex
176.	55934	Niranjan Dixit	Consulting Engineer	Vastu Construction 1st Floor Dhanraj Complex
177.	55936	Suman Kumar Dutta	Consulting Engineer	Dutta Construction Bhagwati Complex
178.	59485	S.M Faisal Karim	Junior Telecom Officer (Civil)	BSNL Civil Sub Division Ara Bihar
179.	52431	Vikrant Sharma	Junior Engineer Civil	DSHEP SJVN Ltd (H.P)
180.	52432	Sanjeev Kumar	Junior Engineer (Civil)	RHEP RKg-2 Bayal SJVN Limited
181.	52434	Manoj Pathak	Junior Engineer	SJVN Ltd
182.	52436	Sanjay Kumar	Junior Engineer	SJVN Ltd
183.	52435	Sunil	Junior Engineer	Sr.Mgr Pkg-II, SJVN Bayal
184.	66686	Amit Kumar Singh	Assistant Engineer	Shiv Infrastructure Engineer
185.	66687	Shikha Agrawal	Sr. Checker	Structure Online, Structural Steel Detailing
186.	66293	Poulomi Pani	Sr. Engineer Billing	Systematic Conscom Ltd
187.	54156	Varun Kaura	Assistant Manager	Pearl Group
188.	50131	Pranab Jyoti Dutta	Junior Engineer	Assam PWD
189.	59253	Shayista Vaseem	Asst Professor	SSM College of Engineering & Technology

190.	50139	Mrs. Mohini Nath	Deputy Manager	Assam Industried Development Corporation
191.	67562	Bhola Kumar Sha	Project Engineer	Omaxe Ltd, F Spa Sec-93 B 7LSC, Kalkaji New Delhi Noida
192.	50573	R.R Mishra	Tech Officer	NHAI, Dwarka New Delhi-75 Plot-11, Vikas Kunj
193.	52593	Rajneesh Yadav	Junior Engineering	TRA at Dlf,kingscourt site
194.	55552	Sonu Nagar		P.N.T Design, Gumumpura Kota (Raj)
195.	53804	Bhasker Kala	Civil Engineer	31/A Friends Colony West
196.	61797	Kamal Kant	Civil Engineer	Pramod Associates at Surajmal Vihar
197.	55819	Satya Kumar	Water Accountant Assistant	Irrigation Deptt N.D.G.C Roorkee
198.	61003	Alfar MS	Junior Engineer	
199.	68225	Pradeep Kumar Bhatt	Self Business	
200.	59444	Pradip Manna	Civil Engineer	Naval Engg Construction Pvt Ltd
201.	59446	Somnath Sarkar	Civil Engineer	Videojet India Pvt Ltd
202.	53693	Deepak Singh		I.T.L, D.D.F Consultant Pvt Ltd, 501, B-9 Twint Tower Pitam pura
203.	50411	Kamphu Rebe	Supervisor	Gammon India Ltd, Seppa Est Kameng Distt Arunachal Pradesh
204.	54704	Shazid Khan	Student	Regional Institute of Science & Technology Megailaya
205.	55538	Dhirendra Prasad Isar	Civil Sub Engineer	Kathmandu (Nepal)
206.	53851	Atul Kumar Yadva	Junior Engineer	Jalnigam Varanasi
207.	59308	Leena Moni Kumari	Assistant Architect	Dipankar Baruah Associates Zoo road jimali
208.	64028	Praveen Jha	Senior Structure Engg	TFS Limited Delhi Metro
209.	51847	Manoj Kumar	Junior Engineering	UP Jal Nigam Kanpur
210.	66031	Sanavar Hasan	Site Engineer	Wave City NH-24 Ghaziabad
211.	64767	Pushp Ranjan Kumar Singh	Junior Engineer	JMC Project (India) Ltd Sec-58 Noida
212.	60089	Ashish Kumar Nigam	Senior Assistant	Irrigation Department U.P Irrigation Const Div-I Lucknow

213.	66197	Sudhir Kumar Maurya	Business Civil Construction	JP Associates,-2/138 Sector, H-Jankipuram , LKO
214.	52168	Abid Khan	Project Engineer	Central Park
215.	69403	Muzammil	Architect	Japanese MNC
216.	55563	Kallol Biswas	Consultant Engineer (Civil)	Civil Project of Aqua Design india Ltd kolathur chennai-99
217.	67563	Amit Kumar	Project Engineer	Project Engiheer Omaxe, SEC
218.	50718	Bimlesh Kumar	Co-ordinator-I (Civil)	Tata Steel, Service C&SM Office (Tata Steel) West Bokaro Division Ghatotand Pin-825314 (Ramgarh), Jharkhand
219.	53254	Anupam Magotra	Executive Engineer	PWD (Rd B) Const Divn No.II Work Supervisor,
220.	50138	Rupak Deka	Surveyar/Co ss Assessor	Laxmi Market, Near Canara Bank Ganashguri Chariali, G.S. Road Ghy-6
221.	58105	Mohd Nassar Choudhary	Junior Engineer	Zarar Construction Company, Near Petrol Pump Malipath Kishtwar
222.	58981	Bharat Bushan Mukhi	Work Supervisor	Block Dev -Office Satwari H.Q Dhallian Mandal
223.	69209	Santosh Singh	Architeetural & Structural Consultant	S.S.Thakur & Associates" Oc-7 First Floor Supermarket , Agrasenchowk , Link Road Bilaspur C .G .
224.	51326	Rajendra Prasad	Jr. Engineer	O/O the Dy. Chief Engineer/Con E. Rly Bhagalpur Goomti No. 3 Bhikhanpur, Bhagapur Bihar
225.	52474	Gorelal Rajwanshi	J.E. (Contract)	Govt of Bihar, WRD Aurangabad,
226.	55774	Bapi Bhandari	Junior Engineer	Govt. Service as (Works), BKSC, (SER,ADRA) Bokaro Jh-827010
227.	55694	Gautam Kumar	JE/DRG & Design	South Eastern Railway, CAO/CON/GRC's Office, Garden Reach, Kolkata-43
228.	52472	Prakash Chandra Badal	Junior Engineer	Railway Office Officers Rest House, Dy CE/CON/SPJ, Samstipur
229.	61864	Sujeet Kumar		GKT Projects Ltd.,
230.	52469	Diwakar Kumar	Junior Engineer	Sub-Division, Aganoor, Irrigation Division Daudnagar, Aurangabad, Bihar
231.	52468	Sumit Kumar	Junior Engineer	Border Road Organization,
232.	55683	Abhay Ranjan Goswami		Service in Railway,
233.	62434	Divakar Kumar		GKC Project Ltd.,
234.	55727	Montu Kumar	Junior Engineer (Civil)	HQ 127 RCC (RGEF) C/O 99 APO,
235.	55794	Ranjit Kishor		-

236.	55753	Pramod Kumar	Junior Engineer	W/CON/Imphal-1 (N.F). Rly,
237.	73877	Izhar Ahmad Kokeb		-
238.	55779	Vivek Kumar	Junior Engineer (Civil)	IRCON International Ltd, Daroga Raj Path, Patna-1,
239.	56817	Osama Saifullah	Junior Engineer	Contract Appointment/, Executive Engg. Rural Works Deptt. Works Div-Munger (Bihar)
240.	65157	Rajesh Singh Bisht	Junior Engineer (Civil)	"Military Engineer Service" GE (N) Udampur, C/O 56 APO, Pin No. 901220 GE(N) Udampur C/O 56 APO Pin-No.901220, Bihar
241.	55750	Sunil Kumar Sharma	Sr. Technical Assistant	"A"/Scientific fAsst "A", Const. & Main, Division IIRS/ISRO/DOS/Dehradun
242.	60316	Bhaben Barman	Junior Engineer (Civil)	O/O the Block Development Officer, Udalguri Development Block, Udalguri, BTAD, Assa
243.	60317	Bhaskarjyoti Baruah	Junior Engineer (Civil)	O/O the Block Development Officer, Bhergaon Development Block PO. Bhergaon, dist : Udalguri, Assam
244.	60422	Shantanu Choudhury	Sub-Divisional Engineer (Civil)	O/O Chief General Managar Telecom, BSNL Bhawan-4th Floor Panbazar, Guwhati-781007 Assam
245.	55663	Ramesh Chandra	Junior Engg. (Civil)	GR(I)(P) Siliguri (Bengadush),
246.	50288	Devesh Kumar Dixit	Director & Promoter	Design and Construction of Civil Engineering Projects, Director & Promoter, Daksha Engineers (India) Pvt Ltd S-93 First Floor tulsi Market Bhootnath Indira Nagar Luckmow-226016
247.	55664	Ashok Prasad Singh	Junior Engineer	PWD Govt. of Bihar
248.	57303	Rakesh Kumar	Manager Civil	M/S Bumi Geo Engg Ltd. Tunnel No./1 Katra Jammu
249.	55965	Ashwani Kumar Fotidar	Tech-III	Executive Engineer Survey Division, Narwal Jammu, H. No. 30, Extension Vivoyb Nagar Sector-I Muthi Jammu
250.	68020	Asagar Ali	Site Engineering	(Private Sector), Engineer-Isolux corsan India-Gonda/Gurgaon
251.	64524	Harsh Pathak		-
252.	58316	Sayed Shakir Ali	Asst. Engg (Civil)	Sanajy Constructio, Pvt. Ltd, Bapaji Nagar ,BBSR
253.	61523	Arshad Shemeen. P. P		-

254.	53970	Mhatre Varun Suresh		-
255.	53994	Shetty Abhijeet Sadanand	Site Engineer	Jay Infra, G-102, RITU Paradise Phase-1 GCC Club Road, Mira Road (E)
256.	53963	Shaikh Nemtullah Haider	Junior Engineer	Prabhadevi, Pu
257.	53975	Bagasrawala Abbas Zakiuddin	Director	Super Engineering Works
258.	73284	Chaudhary Maqsood Ali Abdul Mannan		-
259.	73276	Arabalkar Jeevan Baburao		-
260.	64555	Bhaskar Jyoti Dey		-
261.	57233	Lal Mohan Das	Junior Engineer	Rurul Works Department, Govt. of Bihar, Work Division Mohania, Kaimur, Bihar
262.	64557	Nitin Kumar	Project Engg-Civil	Vodafone Spaceten, Sai corporate Dark, 3rd Floor, Block-A Near Rukanpura Bridge, Rukanpura, Patna
263.	52566	Nikar Hankar		Student,
264.	74500	Naveen Kumar Sharma	Draftsman	Kishtwar Dev Auarhaity (Dept. Tourism)
265.	59346	Muzaffer Rasool	Junior Engineer	Chief Education Office, Kishwar
266.	66344	Vignesh U R	Site Engineer	M&I Construction P.O. Box 5185 Kingdom of Bahrain
267.	66345	Rajendran C	Superintendent	MCSC, P.O. Box 5238 Kingdom of Bahrain
268.	54253	MD Nurul Imam	Civil Engineer	Billing Engg in Mumbai
269.	64199	Priyanka Dixit	ADM	Janpad Panchayat Waraseoni, Distt-Balaghat
270.	53894	Neha Dhiman		Central Road Research Institute, Mathura Road
271.	64894	Rajeev Ranjan Kumar	Junior Engineer	W/C/TLR, Indian Railway NFR
272.	67672	Naveen Rohira	Structural Design Engineer	Deputy Manager Everest Industrial Ltd. New Delhi
273.	59993	Rajesh Dhakad	Sub Engineer	Zila Shiksha Kendra Tatlam (M.P.)
274.	77206	Rajesh P D	Junior Engineer	Rural Works Department, Works Division, Bhagalpur, Bihar
275.	66013	Rakesh Kumar	Architect	Jaypee Group
276.	53234	Ram Kumar Ghosale	Assistant Engineer	
277.	61587	Sangita Medhi	Junior Engineer	Irrigation Deptt, Chief Engineer Office of Irrigation

278.	58978	Notla Shyam Sagar		HFCL, C/O RIC, Mast Execution Engg. Visakhapatnam, Andhra Pradesh
279.	68593	Partha Pranjal Bhorali	Junior Engineer (Civil)	Atiit, Guwahati Ehngineering Section, Pin-781039
280.	63850	Prashant Saraswat	Field Engineer (Civil)	Jaiprakash Associate Ltd, 128 sec, Noida (U.P)
281.	67651	Prem Singh Negi	Assistant Engineer	Health Departmt. Dehradun.D.F. Office Dhandalakhund, Shastrdhara Doad Dehradun
282.	62684	Rahul Agarwal		-
283.	61444	Mohammad Iliyas	Civil Contractor	
284.	61049	Mohammad Masood	Junior Engineer (Civil)	Government Employee (Ministry of Defence) Designation:- Junior Engineer (Civil) o/o GE(D) Dehradun Cantt. Dehradun UK -248003
285.	61773	Nagarajan S		, Sobha Limited, General Manager 136,5th floor,Sector -44, Gurgaon
286.	66921	Narender Tongaria	Project Engineer,	
287.	50710	Naveen Kumar		-
288.	68834	Neelesh Kumar Shukla		Sahara Prime City Ltd, Sahara Prime City Ltd Dy Manager Saharaerly Homes Tdmkroad Jaipur
289.	66012	Gopal Krishan	Assistant Engineer,	
290.	61782	Deepak Kumar		-
291.	66107	Devilal Chaudhary		, Jen Nagar Palika Nawa City (Nagor)
292.	59340	Kailash Chand	Junior Engineer	PHED Subdn Mandalgash Dist Bhilware (Rajasthan)
293.	62332	Manepalli C Sekhararao	Dy Project Manager	C/O NCCL
294.	68432	Dhrubajyoti Das	Deputy General Manager	(Highways) Lea Associates South Asia Pvt. Ltd.
295.	57031	Gyamar Karo	Assistant Engineer,	C/o. Sevretay Education, Govt. Of Arunachal Pradesh
296.	62456	Devendra Singh Jhinkwan	Junior Engineer	
297.	66500	Dinesh Kumar Gaharwar	Draughtman	Govt. Polytechnic, Durgh, Chhattisgarh
298.	66456	Mansoor Ali Khan	Sub Engineer	Janpad Shiksha Kendra, Hathi Khana Road, Opp. P.W.D. Office Ratlam, Madhya Pradesh-457001

299.	76016	Mahesh Kumar Sharma	Sub Engineer	Govt. of C.G W.M. Division, Rudri Dhamtari (C.G)
300.	62067	Lalit Gaur	Additional Assistant Engineer	O/o Project Manager, Construction Unit Uttarakhand Peyjal Nigam Lohaghat, Chamrawat
301.	52897	Dinesh Kumar Sharma	Consulling Engineer	
302.	61347	Ashish Gupta		-
303.	59822	Pawan Gahlot	Civil Contractor	
304.	64392	Ram Kumar		-
305.	51868	Roshan Kumar Tiwari	Owner	Aastha Maps & Projects, Link Road, Tarbahar, Bilaspur-495001, (C.G.)
306.	56699	Silky Sharma	Junior Engineer	Werm India Pvt Ltd , K.C Marg
307.	68457	Jasvinder Singh	Architect	Office Jakual Road Sunam
308.	77159	Marisella Gangadhar	Construction Manager	L&T Gurgaon, Haryana
309.	59934	Manpreet Singh		-
310.	65025	Santhosh Kumar B	Ass. Architect	CPGI Consultants India Pvt. Ltd. Cresnet Park ST, T-Nagar, Chennai, Tamilnadu-17
311.	69353	Vivek Gupta		Service, Head Planning & Simplex Infrastructures Ltd, Nehru Place, New Delhi
312.	76770	Rajni	Asst. Architecture	Gurgaon
313.	75389	Tanmay Baidya	Architecture Assistant	Basic Concept Architecture Service Pvt. Ltd., G.K.1. delhi-110048
314.	65946	M A Kaiser		14/3rd S.R. Nagar, Hyd-38
315.	66119	Dinesh Kumar		M/s. Meenu Builder's (Bhilwara)
316.	67555	Dhiraj Kumar Pandey	Junior Engineer	B.N. Buildcon Ind Pvt. Ltd. A-206, Kaushambi, Gzb
317.	72041	Kavita		-
318.	59475	Akash Yadav		-
319.	60671	Alok Kumar Sewada		-
320.	53546	Deepak	Assistant Architect	Ashwin Alva Assosiates,23 - Western Avenue, Sainik Farm New Delhi - 10062
321.	61447	Kamal Kumar	Assistant Architect	CGMP Pharma "N" Plans Pvt. Ltd., A92A, Numberdar Estate, Taimoor Nagar, New Delhi-110065
322.	71673	Anuj Kumar		-
323.	76232	Bibhu Sharma	Sr. Supervisor	Jain Irrigation System Ltd. Sundernagar, Himachal Pradesh
324.	62713	Bilal Ahmed		-
325.	77175	Ashish Nalpady	Design Engineer	

326.	66666	Ashok Kumar Singh	Consulting Engineer	
327.	56051	Babu AJ	Architect	Rajesh & Ambooken Associates
328.	66776	Hanuman Prasad Sahu	H.P.S. Consultant	BZ Bhagat Singh
329.	67258	Patel Urvashiben Ashwinkumar		Managerat Jems Multi Tech Consol Tacy, AT Shani Bauy Ahmedabad – 380004
330.	67257	Patel Rutik Vinubhai	Proprietor	Jems Multi Tech Consuthncy Shahibay Ahmedabad
331.	50924	Lakshmana Rao Kilari		Real Istate Buseness Developer , Ranaskhalan
332.	69260	Matta Bapi Raju	Lianled Architect	Own Designed, Visakhapatnam, .A.P.
333.	66667	Sukh Nandan Prasad Sahu	Engineering Consultaney,	
334.	68959	Abhijit Das	General Civil Engineer,	
335.	64848	Abhishek Kumar Rai	Junior Engineer (Civil)	Powergrid Durg (C.G),
336.	67814	Ajay Parmar	Manager-Projects	ETA,
337.	68018	Ajeet Singh	Sub Engineer	C.G Govtat Office of The Exeutiue Engineer W.R.Division Dhamtan (C.G)
338.	60634	Akash Mohan		-
339.	75393	Alok Ranjan Pandey	Managing Director	Artech Engineers, Engineering Consultant & Geotech Services
340.	52898	Amit Kumar	Consultant Engineer	
341.	65937	Anoop Kumar Yadav		Wapcos Ltd, (Govt.of India ot) JEN Gottam Marg Jaipur
342.	65551	Bapi Rul Mondal		Eais India Consulting Engineers (P) Ltd., Track Engineer BE - 242 , Saltlake , sec - 1 Kolkata – 61
343.	60765	Bijay Krishna Das	Junior Engineer (Civil)	Border Roads Orgami Sation, HQCE (D) Shivalik , Ldpl Complex Rishikesh , Uttarakhand , Pin – 249202
344.	54864	Rohit Gupta	Junior Engineer	CC, East Muniupm Corporation of Delhi
345.	61325	Umang Tyagi		-
346.	68685	G Nagaraju		-
347.	75102	Jiwan Lal		-
348.	68896	M Nagaraju	Technial Officer	O/o Superintending Engineer, SRSP Stage-II Circle, K.C. Camp- Warangal- A.P.
349.	65532	Mahendra Kumar	Technical Support Executive	India Can Edu. Pvt. Ltd. Jaipur, Rajasthan

350.	54474	Mohammed Arif Tanwar		-
351.	54477	Yunus Farooqi		-
352.	55316	Mohd Hussain		-
353.	75630	Lalit Kumar Sanoria	Sr. Designer (Civil)	
354.	58420	Mohd Islam		-
355.	58421	Mohammed Nadim		-
356.	64722	Naveen Kumar Ratho		-
357.	61897	Mohd Imran		-
358.	71148	Nimisha Singh		-
359.	59087	Niwesh Kumar	Tech-III	Railway, CRW/HRT
360.	52146	Aamir Khan		-
361.	65993	Pawan Kumar Ghorela		-
362.	65441	Priyanshu Jangir		-
363.	75282	Ramayanam Vidyasagar	Building Surveyor	Liconcod in Grama Panchayath Uvavakonda-515812, A.P.
364.	70314	Ravindra Singh Faldakoti	Lab Instructor	Civil Engineering Department, Dronacharya College of Engg. Gurgaon, Haryana
365.	54450	Sanjay Yadaw		-
366.	60674	Sanjay Kumar Sharma		-
367.	55960	Mrinal Choudhury		-
368.	68666	M Srinivasa Rao	Town Planning Supervisor,	Govt. Municipality, Telangana
369.	71472	Rattan Lal	Architect	Architecture Plus Sagar Building, New court Road, Ghumarw/ N Dist. Bilaspur, Himachal Pradesh
370.	66478	Yunus Husain Khan	Civil Engineer	Sub Engineer, Janpad Shiksha Kendra Piploda, M.P.
371.	56834	Rahul Prakash		-
372.	62837	Sunil Kumar Dwivedi		-
373.	67815	Satish Pal Dogra	Project Manager	Spice Group
374.	66363	Shiv Kumar Gilhare	Sub-Engineer	O/O Executive Engineer/Sub Divisional Officer, MBC-Sub-Division, Aarang, Chhattisgarh
375.	60631	Sidhartha Shah	Junior Engineer	CC/T.D. Ranikhat, Uttarkahand
376.	67730	Kabita Chamuah		-
377.	66685	Shahzeb Khan		-
378.	62712	Sarvesh Kumar		-

379.	67553	Shiv Shankar Mishra		-
380.	60356	Soumita Seal		-
381.	75435	Sumit Sharma	Surveillance, Engineer	Nadesar, Varanasi
382.	69153	Ramnarayan Yadav		-
383.	71022	Vivek Ranjan Tiwary		-
384.	69649	Piyush		-
385.	69371	Uma		A Engg. in Optimal Consultancy, Sei Pvt. Ltd., 216/A/13 Gautam Nagar
386.	51279	Satyendra Pandey	Sr. Engineer	Patel Infrastructure Pvt. Ltd. Rajkot Gujrat
387.	64806	Avadhesh Kumar Pandey	Asst. Engineer	BHEL-ISG, Bangalore
388.	84516	Bhagbat Kumar Yadav	ASI/RM	98BN BSF Nalkata, Tripura
389.	63490	Arshad Amin	Junior Engineer	Block Dev. Officer, Doda
390.	76646	Ashwani Kumar		-
391.	63491	Mohd Ashraf		-
392.	61811	Akhil Chandra Barik	Asst. Engineer (Civil)	Water Resourced Department, O/o C.F. cum P.D. PMU (011Awmip)) 5th Floor, Rajiv Bhawdan, BBSR, Odisha
393.	66220	Abhishek Kumar	Junior Engineer	Public Work Department, (PWD) Ex. Engineer, P.D.P.W.D Kanpur Dehat-209101
394.	74738	Poornachandar P	Site Engineer	Petron Engineering Construction Limited, Warangal, Telangana
395.	55686	Sanjay Kumar	Senior Manager-Civil Engg.	The Wadhwa Group, 3rd Floor, Platina, Plot No.-C-59, BKC, Bandra, Mumbai-400086
396.	64889	Rizwan Ahmad	Site Engineer	Alhabtoor Engg Enterprises Pvt. P.O. Box -22478 Doha (Qatar)
397.	74542	Mukesh Kumar	Junior Engineer (Civil)	Power Grid Corporation of India Ltd. OB-26, Grid Bhawan, Rail Head Complex Jammu
398.	53346	Mashi Arshad	Junior Engineer (Civil)	Ichak Block, Hazaribagh
399.	59607	Ram Hivas	Junior Engineer (Civil)	GE (West) Pathankot. 145001
400.	55312	Deepak Gupta	Tracer	Office of Executive Engineer, P.W.D. Division-2 Matimalguel
401.	52516	Rakesh Kumar	Manager	Punj Lloyd Ltd. Punj Lloyd House, 17-18 Nehru Place, New delhi-110019

402.	62831	Samir Kumar Seth	JTS	IIT, Bhubaneswar, Workshop Complex, School of Infrastructure Samantapuri Campus-751013
403.	56456	Sunil Kumar	Junior Engineer (Civil)	M/s. D-France Associates, Architects, 206, Adam Bayyar, Thirissur-I Kerala-680545
404.	52527	Amlesh Kumar	Junior Engineer	Works/Con/Tata, Office of the Dy. CE/CON/Tata, S.E. Railway, Tatanagar
405.	55777	Santosh Kumar	Junior Engineer	Works/Con/Tata, Office of the Dy. CE/CON/Tatanagar, S.E. Railway
406.	65539	Md Shahnawaz Ali Ahmad	Junior Engineer (Civil)	Border Roads Org. E2 Estg Section HQ CE(P) UDK. C/o 99 APO
407.	64855	Sujeet Kumar Singh	Junior Engineer	Office of the Executive Engineer, BCD, Godda-814133
408.	70005	Suman Deb	Assistant Engineer (In-charge)	O/O the AE(Civil), Postal Civil Sub Div (NER)
409.	58688	Pintu Pramanik	Junior Engineer (Civil)	BRO, New Delhi
410.	51945	Aigal Jayesh Anand	Project Manager Civil	Viceroy Real Estate 105/K-3, Ameya Apptr. Raia, Margow Goa-403603
411.	50048	Chandan Kumar Bhatiya	Junior Engineer Civil	Ge (West) Pathankot. 145001
412.	66132	Pikendra Kumar Mehta	Junior Engineer	JlIdco, 3rd Floor, New Riada Building Namkum Industrial Arca, Ranchi - 10
413.	55728	Amit Kumar Gupta		BRO (GREF) HQ 129Ru (GREF) C/o 99 APO
414.	85768	Deepak Uppal	Work Super Visor	University Of Jammu, University Work Deptt
415.	85837	Neeraj Sharma	Work Super Visor	University Of Jammu, University Work Deptt
416.	59574	Putrevu V Svisweswararao	Managing Partner	M/S. sv Constructions 7-3, Gandhigram, Chodavaram-531-036 Visakhapatnam Distt - A.P
417.	80972	Vishnu Vidyadharan		-
418.	80464	Nihars K K		-
419.	60020	J Indumathi	Architeet	
420.	74922	Pramesh K G	Techmcu Assistant	Larsen & Toubro
421.	78264	Vikas Kumar		-
422.	65849	Lingaraj Tarai	Junior Engineer (Work)	Eastcoast Railway

423.	64866	Manoj Kumar Keshri	Junior Engineer	Rural Development Special Divserai
424.	57120	Rajeev Tripathi	Asst. Engineer-I	5th & 6th Floor, Sri Mohini Complex kings way Road Nagpur (Maharastra)
425.	78020	Mohd Shehzad	Junior Engineer	Block Development Office jij – Bagli
426.	86384	Ankit Sudan	Work Suvisor	M/S Vikrant Kumar Anand B.O.Q.No-194,Opp.Girls Hr Sec (Aclass Govt.)
427.	84856	Purnendu Chowdhury	Project Management	
428.	58194	Sanjeev Kumar Gohain	Service Asstt Engineer (Civil)	PWD(R), Jorhat NEC Division, Jorhat, Assam
429.	88710	Padiya Nayan Suryakant	Consulting Arch. Engg & Interior Designer	405, Manas Complex Opp. Star Bazar, NR Jodhpur Cross Road Satelite Ahmedabad – 380015
430.	72067	Hradesh Kumar		Government Service (Irrigarion Departmant U.P)
431.	50377	Pradipta Ranjan Das	Junior Engineer	N.A.C Office At Park Road Kabisarya Nagar, Distt-Gongam Odisha, 761104
432.	80611	Sandeep Kumar Dubey	Civil Engineer,	Technical Engineer in JK Lakshmi Cement Limited,
433.	85763	Gagandeep Singh	Executive Engineer	PWD(R & B) Const Div-III Jammu
434.	85766	Jeet Kumar	Technical Assistant	RDD (Rew) c/o BDO Kalakote
435.	85705	Riaz Ahmed	Technical Assistant	RDD (Rew) c/o BDO Kalakote
436.	85764	Harvinder Singh Sethi	Junior Engineer	PMGSY, Division Reasi
437.	86441	Zafer Mehmood	Junior Engineer	REW Rajouri
438.	55558	Giriraj Meena	Assistant Engineer	Simplex Infra. Ltd. Nelie Sarani (Kolkata)
439.	87878	Sunu Somarajan	Junior Engineer	Civil Building Concept Architectural Consultancy, RNRA, Kaikulangara North, Kollam, Kerala
440.	53893	Neeraj Dwivedi	Project Engineer (Civil)	Builder's Pvt. Ltd" Russul Chowk Jabalpur (M.P)
441.	84459	Mohd Wajid Khan	-	Near Nur Maszid iml Road Rooncip Distt – Haredwar
442.	54538	Upender	-	B-431, Rajeev Nager, Begumpur, Rohini Sec. 22 New Delhi – 110086
443.	72025	Rohit	-	P-2/602, Sultan Puri, New Delhi-110086

444.	69965	Vipul	-	H.No-54-A, Kavita Colony, Nangloi, Delhi - 110041
445.	63481	Mohd Saquib	-	H.No.-256, DDA Quarter, New Seema Puri, Delhi - 110095
446.	84094	Tame Niohi	-	Vill. - Hiya- Ii, Nyapin, Arunachal Pradesh
447.	85595	Chetan Rawat	-	I-331, Ansari Nagar, New Delhi-110029 (A.I.I.M.S)
448.	82563	Mohit	-	H.No-354, Near Old Holi Chowk, Vpo-Bharthal Sec. 26 Dwarka, Delhi-110077
449.	82335	Sahil Verma	-	D-19 Mahinora Park, C-1 Janakpuri, Delhi - 110058
450.	50042	Narinder Singh	-	H.No. 637-A Gandhi Nagar Jammu, Opp. Site Canara Bank Jammu, J & K -180004
451.	82453	Vijay Prakash	Civil Engineer	A-48, Sanjay Colony Bhatti, Mines Delhi - 110074
452.	82431	Sachin Sejwal	Architecture	159-A, Chirag Delhi, Delhi - 110017
453.	86932	Khageshwar Prasad	-	Vill-Post Mounapali Kharsie Pin No 496661
454.	59573	Ajay Tamer	-	Ambedkar Ward, Shikchak Nagar Mungeli
455.	75487	Santosh Kumar Gupta	-	CE (Airfor CE), Jammu (J&K) Pin.No-180003
456.	75689	M Jai Shankaran	RED Fort (Archaeological Survey of India)	H.No-529 Sunlight Colony No-1
457.	56564	Sanjay Sharma	Junior Engineer	385/6 Nehru Nagar Garh Road Meerut Uttar Pradesh-250001
458.	56379	Navneet Kumar	B.T Civil Engineer	C/O. Prashant Kumar Singh oop-Simraha Church, Santnagar H.No.35, Gangjala, Saharsa Bihar
459.	66379	Aakash Bhowmik	Civil Engineer	Vivekananda Steet, P-Coochvihar, Dist-Coochbehar
460.	74980	Gouri Sankar Panda	Junior Engineer	Plot.No-1846, Nuasahi, Nayapalli, Bhubneswar Orissa-751012
461.	66824	Asheesh Rawat		B-3/330 Paschim Vihar New Delhi-110063
2017- Alumni Enrolments January to March				
462.	51733	Janardan Pandit	Junior Engineer	O/O-B.D.O.Madhupur Deoghar, Jharkhand Pin.No. 815353
463.	71834	Abhishek Kumar Sharma	Junior Engineer	Junior Engineer in UDHD(Bihar) ot Samastipur Colletorate
464.	71835	Rakesh Raushan	Junior Engineer	Junior Engineer in UDHD(Bihar) Muzaffarpur

465.	51179	Pradeep Kumar Sharma	Job at Private Sector Junior Engineer (Civil)	Shree Mega Power, Shree Cement Ltd Bangun Nagar, Beawar (Rasarkhan)
466.	80554	Dipjyoti Singha	Assistant Engineer	A.E.Udharbond Deyelopment Block Cachar, Assam
April to June				
467.	69393	Gajitan N	Civil Engineer	(Highway and Infrastructuse)Arcadis, 12th Floor, Aijossem Bldg, P.O.1854, Qatar
468.	59813	Raguvir Singh	-	Near Police Line Road, Rajouri C/o Khalsa Automobiles Jammu & Kashmir – 185131
469.	78418	Krishan Chander	Work Supervisor	Tubewell Irringatian Dluisan Jammu
470.	76649	Sunny Kumar	Engineer Civil	Larson and Toubro
471.	84373	Deepak Kumar	Project Manager	M/S Perfect Solution
472.	82874	Neeraj Kumar Kaushik	Struchure Engineer (Engg.Work) Constrnction & Architect	JJJ Kaushik Engineer Owher, Class-A, Professional Engineer Registeret With J.C.P (H.P)
473.	71850	Deepak Kujur	-	Ordinte Engineeing Service Jharkhand
July to September				
474.	55111	Saroj Kumar	Structural Designer	S.V.Damle Consulting Engineers, C-70 Inderpuri New Delhi- 110008
475.	79046	Amaresh Mondal	Site Engineer	Blooms Bunj Infrs Trueture Pvt.Ltd. At Rajarhat New Town, kolkata, West Bengal
476.	88420	Udit Kaushik	Student	H. NO. B-6 Jagatpuri , Gali No. 2, Near Mahamana Primary School, Delhi - 110051
477.	79413	Allen Moris Francis	Surrey Manager Civil	Isolux Corsan Eng. Pvt. Ltd, Block-2, Vatika Business Park Secter-49 Gurgaon
478.	62552	Sajadudeen. F	Self Dolng Construction Buildings	F. S. Manzil, Chavadimukku, Sreekariyam P.O., Trivandrum, Kerala- 695017
479.	70438	Anoop Nelson	Site Engineer	Aneesh Bhavan , Peringamkonam, Kudappanakkunnu , P.O-Trivandrum, Kerala - 695043

480.	70934	Sooraj. S.S	Site Engineer	Chruvila Veedu, Azhoor. P.O, Perunguzhi, Thiruvananthapuram, Kerala- 695305
481.	70439	Jinumon J	Site Engineer With A Governmint Contractor	Ajinu House, V P 8/1400,CRA, 26 B, Vazhottukonam, Vattiyoorkavu, P.O Kerala - 695013
482.	69770	Athul. N	Site Engineer	Nandanam Sagara-240 Kusavarkal Mukkola - P.O - Trivandrum 43
483.	53729	Kakdiya Mayur Jivrajbhai	Architechiral Planning	A-35, Rupalisco, Near P.P Savani, Vidhyabhavan, Hirabag, Surat, Gujrat - 395007
484.	91324	Syed Azam Moinuddin	Civil Engineer	Saab Land Mark Construction G.M. (Civil Engineering) Pvnr Express Wayi Pillar No-216 Hyderabad - 48
485.	94531	Bandavath Sreenu	Engineer At Wapcos Ltd	5th Flour Kailash Buildin 26,Kg Mcrag New Delhi - 110001
486.	75634	Alex M. Vaidyan	-	Pathuparayil Veedu, Channapetta, P.O - Manacode, Kollam, Kerala - 691311
487.	88429	Rishabh Gupta	-	I-758 Gali No.-7, Jawahar Nagar Loni, Uttar Pradesh - 201102
488.	85765	Tariq Hussain Shah	Junior Engineer Rew Rajouri	R/o, Karyote Tech. Thanna Mandi, Distt. Rajouri, Jammu & Kashmir - 185212
489.	79588	Sahil Pahwa	Site Engineer (Civil)	M/s Ajay Kumar H.No- 510/4 Rani Talab Digiana, Jammu and Kashmir
490.	88035	Sahil Sharma	Site Engineer (Civil)	M/s Ajay Kumar H.No- 510/4 Rani Talab Digiana, Jammu and Kashmir
491.	51322	Amita Yadav	Managing Director	Kaypee Infratech Pvt. Ltd. Supaul- 852105 (Bihar)
492.	51211	Manoj Kumar Verma	Conservation Assistant	Archaeological Survey of India Lucknow Circle, 9th Floor Kendriya Bhawan Aliganj Lucknow
493.	51210	Ravi Shanker Saxena	Draughtsman	Archaeological Survey Of India Lucknow Circle, Kendriya Bhawan Aliganj Lucknow
494.	72018	Vikrant Singh Chauhan	-	Rz-439/B, Raj Nagar-II, Palam Colony Near Railway Line New Delhi-110077

495.	69946	Dipesh Kumar Sinha	-	RZH-284, H-Block, Gali No-9, Near Divine Public School, Raj Nagar, Palam Colony, New Delhi- 110077
496.	88428	Priti Verma	-	190-B4 Barant Lane Railway Colony Pahar Ganj Delhi-110055
497.	88456	Dheeraj	-	D-35/E-46 H.No-38 Jain Mandir Dilshad Colony Delhi-110095
October to December				
498.	77056	Md Sirajuddin Ansari	-	Plot No - 16, Ward No - 7 Kripal Nagar Kohka Bhilai Nagar Chhattisgarh Pin No-90023
499.	85212	Gurucharan Sahu	-	Vill - Khapari, P.O-Demar Tah Distt - Dhamtari Chhatisgarh - 493773
500.	55551	Naresh Singh Kushwah	Assistant Engineer	Assistant Engineer Watershare & Soil Conservator Panchyate Samiti Chhabra Post-WDT Engg
501.	88777	Chandan Bhardwaj	Junior Engineer	Junior Engineer, Irrigation Division Ramnagar (Nainital) UttaraKhand-244715
502.	88776	Rakesh Mohan	Junior Engineer	Junior Engineer, Irrigation Division Sitarganj (U.S.Magar) Uttarakhand
503.	57555	Raghvendra Pratap Singh	Assistant General Manager	Assistant General Manager, Unity Group, G-3, Aggarwal Corporate Tower, Distt Center Rajenter Place New Delhi-110008
504.	59055	Priyank Shah	Junior Assistant	Junior Technical Assistant (Mgnrega) Zila Parishad Dungarpur
505.	64863	Pinku Kumar Mandal	Junior Engineer	Government Service (Bihar Government) Junior Engineer, Public Health Division, Supaul
506.	51025	Ranjan Kumar	Junior Engineer (Civil)	M.I.Div.Madhubani (Bihar)
507.	76143	Dinesh Kumar Chouhan	Deputy Manager	Tata Power Company Ltd, Shatabdi Bhawan B12 & 13 Sector-4, Noida Uttar Pradesh- 201301
2018- Alumni Enrolments				
January to March				
508.	50422	Lalit Mohan Chandra	Assistant Manager	Highway Engineer, Assistant Manager Intercontinental Consultancy & Technocrats Pvt.Ltd.
509.	87633	Md Masud Saikh	Junior Engineer	Burdwan Investigation Planning Division Under Irrigation Water Ways Department Group-A (Gazetted) Govt of West Bengal

April to June				
510.	63104	Sangam Nath Pandey	Manager (Project)	JITF Water Infrastructure Ltd, Jindal ITF Centre, 28 Shivaji Marg New Delhi - 110015
511.	67293	Bapi Birbanshi	Assistant Engineer	Bolpur Municipality, Bolpur, Birbhum West Bengal, Pin No. 731204
512.	75343	Jitendra Kumar Yadav	Dy. Engineer	BHEL Township, Noida Uttar Pradesh Pin No. - 201301
513.	68140	Biswajit Karmakar	Curries Bnown	Curries Bnown (I) Pvt.Ltd, Senion Quantity Sweveyor (Civil), Mumbai
514.	64821	Mahendra Murmu	Junior Engineer	Paker Bera, P.O-Tantri, P.S Topchanchi, Distt-Dhanbad, Jharkhand- 828402
July to September				
515.	68327	Sujit Kumar Behera	Civil Engineer	Civil Engineer (Project Manager) L-57 Koel Nagar Rourkela-12

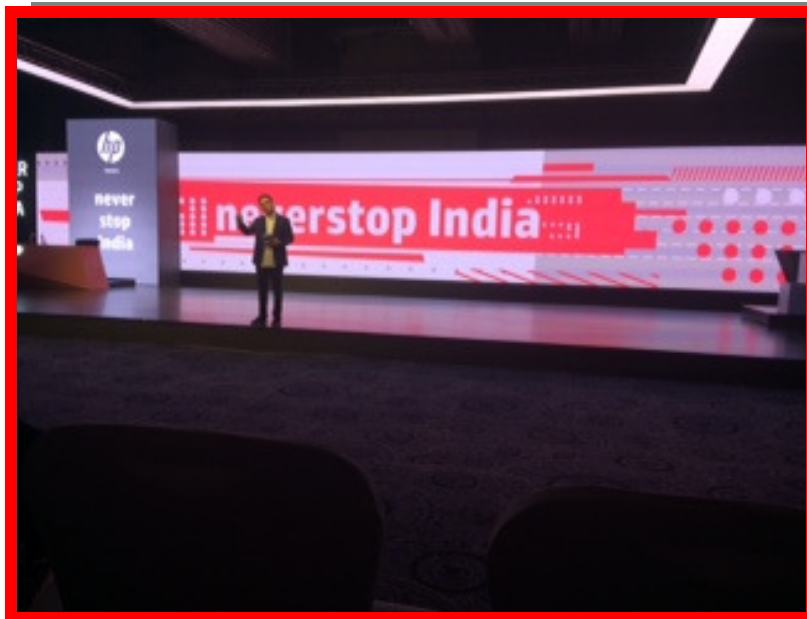
2019 - Alumni Enrolments				
April to June				
516.	89107	Jai Singh	Former Assistant Engineer	Self Employed, Archi. Associate Architect & Engineer, Durga Choulk, Bhaniyjeala, Doiwala, Dist Dehradun, Uttrakhand
517.	61823	Ananta Prasad Bidika	Junior Engineer	Panchayatraj and Drinking Water Department, Govt. of Odisha Titilagarh Block Office, Distt-Balangir, Odisha

SNIPPETS

JULY - 2019

NEVER STOP INDIA" EVENT ORGANIZED BY THE ECONOMIC TIMES AND HP

Talk at the "Never Stop India" event organized by the Economic Times and HP was held in JW Marriott, Aero City, New Delhi on 3rd July, 2019 in which series of talks and breakout sessions with startup founders and gurus were organized. ICE(I) also participated in this event.



CONGRATULATIONS TO SHRI MANEET KUMAR SWAMI



Shri Maneet Kumar Swami has been appointed as a Member of District Reformation of Jails Committee of Punjab which consists of Government and Non-Government Members. This committee has been constituted with the approval of the Hon'ble Chief Minister of Punjab

EDUCATION AND SKILL SUMMIT 2019

Mail Today organized 8th Education and Skill Summit 2019 on July 10, 2019 at Hotel ITC Maurya, New Delhi with the aim to synergize ideas, challenges, connects and programs to make a better Education Ecosystem by 2022 in India. ICE(I) also participated in the programme which was well attended when Shri Mukhtar Abbas Naqvi, Union Minister of Minority Affairs, Govt. of India was the Chief Guest.

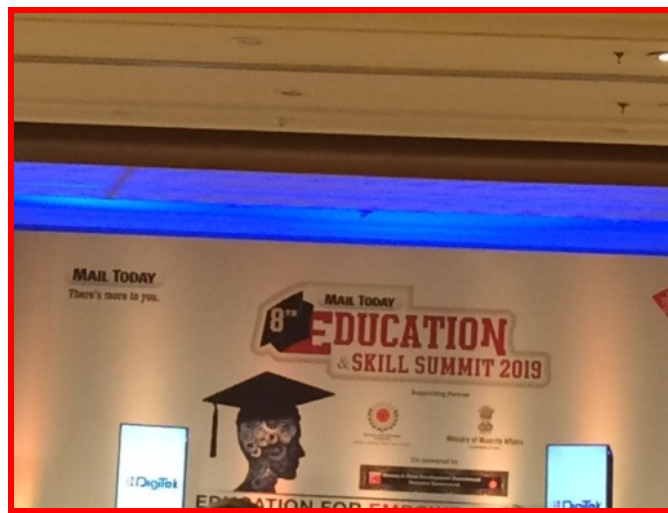


PHOTO GALLERY

नई मंजिल प्रोजेक्ट के तहत शिक्षा देने पर मनजीत स्वामी हुए सम्मानित

फाजिल्का, 17 अगस्त (लक्की ठठई/प्रताप केसरी): विद्यार्थियों को करने के लिए सहायक स्किल एजुकेशन के कोर्स करवाए जा रहे हैं।

शिक्षित करने व स्वरोजगार मुहैया करवाने के उद्देश्य से दी इस्टीमेशन ऑफ सिविल इंजीनियर्स सोसायटी द्वारा नई मंजिल प्रोजेक्ट के अधीन पंजाब के हजारों विद्यार्थियों को स्किल शिक्षा तहत पढ़ाई करवाने के बदले मनजीत स्वामी को उनकी सेवाओं के लिए जिला फाजिल्का के डिप्टी कमिशनर मनप्रीत सिंह छत्तवाल व एस.एस.पी. भूपिन्द्र सिंह ने सम्मानित किया। इस बारे में जानकारी देते हुए मनजीत स्वामी डायरेक्टर ने बताया कि राज्य में इस प्रोजेक्ट के तहत विभिन्न जिलों में आठवीं व

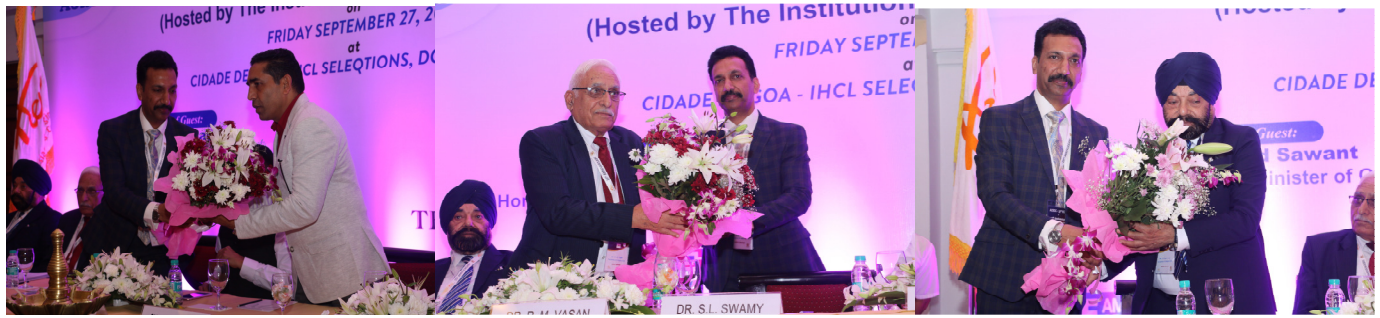


दसवीं के विद्यार्थियों को बेसिक शिक्षा दी जा रही है व फाजिल्का जिले में अब तक 413 बच्चों को इस नई मंजिल प्रोजेक्ट के तहत पढ़ाई करवाई जा चुकी है व उन्हें अपने कोर्सों से संबंधित सर्टीफिकेट भी प्रदान किए जा चुके हैं। मनजीत स्वामी ने बताया कि ग्रामीण व सरहदी क्षेत्र के विद्यार्थियों को बार्डर एरिया डिवैल्पमेंट प्रोग्राम के तहत तीन व छह माह के स्वयं रोजगार हासिल

जिसमें इलैक्ट्रीशियन, सैल्फ इंप्लॉय टेलर, ब्यूटी पार्लर के कोर्स मुख्य हैं। उन्होंने कहा कि अब तक इस प्रोग्राम के तहत 170 बच्चों को शिक्षा मुहैया करवाई जा चुकी है। इसके अलावा मनोरटी के विद्यार्थियों को सीखो व कमाओ प्रोजेक्ट के तहत कोर्स करवाए जा रहे हैं। जो कि विद्यार्थियों को रोजगार हासिल करने में काफी सहायक सिद्ध हो रहे हैं।

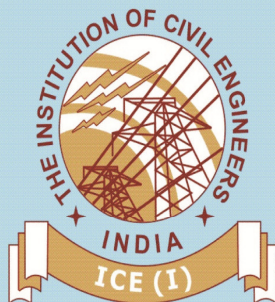
Some Glimpses of 37th ECM and Celebration of 20th Anniversary of ACECC September 25-27, 2019 in Goa











The Institution of Civil Engineers (India)

(A Govt. of India Recognized Degree Level Institution)

309-310, Suncity Trade Tower, Sector 21

Gurugram, Haryana-122016

Ph. No. : 0124-4128301-02-03

E-mail : info@ice.net.in / iceinstitutions@gmail.com

Regd. Off. : "Career House" Bindra Complex, Model Town
Ludhiana (Punjab)

Ph. 0161-5014629, 5029876, Website : www.ice.net.in,