

## New Ayush Complex at Junglighat



New Ayush Complex at Junglighat was declared operational after inspection by Hon'ble LG. This building was renovated and modified from existing building.

Ayush has been shifted to existing building to provide temporary space for upcoming medical college to strengthen medical education and health care in the Island territory.

Hon'ble LG appreciated effort of APWD in transforming the complex in a very short period in to health care unit. He also expressed hope that this location of Ayush will attract more public to alternate medical health care facilities. It shall also help in making it more popular.

Unit is centrally located amid Government Residential Quarters and busy business area of Junglighat. It is connected to market place by main road to newly upgraded Junglighat Jetty, which on completion will be used for inter island shipping services.

Building has plinth area of 455.55 Sqm with two storied framed structure. It has been structurally rehabilitated and retrofitted to make it safe for occupants and users in likely hood of any natural calamity. Basic amenities have been provided as per standard requirement of public place in the area.

It has provision for separate Male and Female Ward, Kitchen, Physiotherapy and Store Building along with space for OPD.

## Chief Secretary inaugurates Zonal Agriculture Office Building



Zonal Agriculture Office, Agriculture Department, South Andaman at Goalghar was inaugurated by Sri Anand Prakash IAS Chief Secretary, A & N Administration on 10/10/2014 in the presence of Shri J.P. Singh IAS Secretary, Agricultural and Dr. G.S. Pandey Director Agricultural Department.

This building was constructed for providing space to Zonal Agriculture Office, Agriculture Department, which is expanding its activities in the island to ensure self sufficiency in food products and vegetables.

Chief Secretary on the occasion stated that these infrastructure will help in expansion of agriculture Department in island. It has a tough task ahead considering non availability of fresh vegetables and grains to make the island self sufficient in food and vegetable, which is a matter of great concern. Food items transported from mainland losses nutrition during transportation as well as, it is costlier than local products.

Building is a two storied RCC framed structure with total plinth areas of 220.18 Sqm at each floor level, providing space for different unit of Agriculture Department. It also had covered parking shed with plinth area of 72.10 Sqm and open parking area of 340.00Sqm with Cement Concrete floor.

It was constructed in the place of old godown of Agriculture Department after demolishing. Building is centrally located in the area, which also has a soil Testing laboratory and other facilities in the nearby



## Special on Gandhi Jayanti

### Sanitation:

#### A community problem and community solution

Sanitation and Hygiene is most essential part of social life. Human civilization has always cared for it. As per historical records civilization of Harappa and Mohenjo-Daro has evidence of well developed sewerage system and oldest known flush system to take care of house hold sanitation. In later stage society has well laid rules and practices to prevent in- hygienic and insanitary condition in and around village. It included standard defecation and personal hygienic practices, which was followed till late seventies.

"...Corporate cleanliness can only be ensured if there is a corporate conscience and a corporate insistence on cleanliness in public places..."

- M.K. Gandhi

The Mind of Mahatma Gandhi | p.396



Courtesy : Google - Map

Challenges during those periods were not as tough as today, since the waste form household was mostly organic. Public life was much more nature oriented, therefore natural treatment and bio degradation into natural product was sufficient.

In recent past, society has undergone tremendous changes due to rapid industrialization and growing consumerism. Flooding of market with packaged food and household grocery has changed the domestic waste composition. Wide spread use of plastic as packaging material has increased the problem manifold. Since it is non biodegradable and prone to littering due to light weight, it is also Harmful for domestic animals. Although problem in township and municipal areas is being tackled through implementation of new waste management method, rural areas are far behind. This menace is growing each year with no solution around.

Rural population is yet to see the infrastructure development necessary to deal with the problem but consumeristic culture has already taken over rural life style. Inadequate basic amenities, uncontrolled growth, lack of awareness are causing gross insanitary condition in rural area. This is also affecting rural public health and ecosystem. Unchecked discharges of drains and continuous dumping of garbage in natural streams and water bodies is contaminating drinking water sources. It is also damaging aquatic life of ponds and streams. Country once famous for Public sanitation and personal hygiene in social life has become a symbol of filth garbage and stall- stagnate sewer lines.

Solutions of this problem lie only in social awareness through regular education and community participation added with investment promotion in development of infrastructure suitable for rural areas. Similarly government must plan development of basic infrastructure to ensure maximum recycle and reuse along with promotion for integrated waste management system at micro and macro level. Corporate Social responsibility is another area which has to be explored for solving this problem.

## Nature Technology

Nature has engineered itself through self evolutionally process and same is true for most of the animal and plant kingdom. Trees are most important species of Plant kingdom which has also evolved from single cell species to a multi organ and multifunctional engineering material.

Section of the tree is circular and it is the only section in the geometry which has got equal moment of inertia about all the axis in horizontal plan. This in turn implies that the moment of resistance about the all axis in the horizontal plane is same. That would serve the requirement to resist laterally acting wind load in any direction of wind flow.

Trees have larger diameter of stem at the bottom, and the cross-sectional area reduces gradually as the height of the tree increases. Since the main load the tree has to resist are lateral loads (wind and earthquake load), it is clear that the tree (Act like cantilever) section to resist the maximum moment is at the bottom and it reduces, as move up toward the tip of tree, the sectional profile of tree again stands in a better position to do the job of resisting moment in most efficient way. Consider another case, tree when not subjected to wind, it is isolated column, and the sectional profile (cross sectional area increase as move down) of tree increases to take extra load. Hence most economical. Natural fiber allows maximum section modules to resist the natural bending moment coming up to the tree.

(Save tree - Save planet)

Er Munishwer Chadda  
M/S Kailash Engineering

## Editorial

Swachhata is of great importance. Be it be purity of soul, thought or living, but swachhata in the surrounding is key to all. None could claim to be blessed with any type of purity or swachhata till their surrounding is clean. Cleanliness enters into all form from swachhata of surrounding. Only a clean environment can ensure cleanliness of all living around.

It can't be ensured by any institution, a person or by a body but by everyone. There must be collective effort of all in the society to keep themselves and their surrounding clean in order to ensure cleanliness prevails in society.

Our father of the nation has rightly said "*cleanliness is next to godliness*".

Let us join hands on the occasion of his birthday and help keep our society grow cleaner and healthier.

**Swachh Desh, Swasth Desh.**

**Wishing a very happy and prosperous new year 2015.**



## Indian Building Congress

IBC hold Executive Committee Meeting on 10.11.2014 under the Chairmanship of Shri P.K. Singh, CE-cum-Secy (PWD), Chairman, IBC, Port Blair to formulate action plan for the next quarter. Committee decided to form three Sub-Committees to fine tune activities of IBC which includes Administrative Committee, Membership Committee and Training Committee.

It was also decided to organise an interaction program with students of ITI and building Industry to explore job opportunity to newly trained persons.

## Training

Core-Tech International Agency, based in USA held a presentation in Lecture Hall of CE's Office on Anti Corrosive product in the market. These products are organic Eco-friendly Vapor based product as well as active protection agent.

Chief Account Officer of global market, Core-Tech detailed about the benefit of various products and claimed that these products are best in the field. He also requested to all to consider wide use since its long term benefit is more than a little higher cost. He also promised to request his research and development unit to provide a solution based on grade of concrete.

## Visit of Australian Counsel General



Australian Counsel General along with his commercial advisor visited APWD, CE's Office during his recent visit to Andaman and Nicobar to held an one to one consultation with the premier engineer wing of island to explore possibility for technology sharing and investment opportunity. During the meeting he discussed broadly about the main projects with possibility of investment from Australia. Opportunity for technology sharing in the field of water resources, development of sewage system and any other areas, were also discussed, since more or less A & N Island has similar geographical background, as that of Sydney.

He also assured that he shall take up the matter with Administration for promotion and co-operation between engineering units of island and Australian public works department to ensure greater partnership in civil engineering field.

## Workshop on Rural Solid Waste Management and Rain Water Harvesting



Chief Engineer cum Secy (PWD) Sri P.K.Singh Member secretary ANSWSM inaugurated, one day workshop on rural solid waste management program at Ferragunj Panchayat samity hall on 15.12.14 for PRI members, SHG and sanitary staff of PRI under Ferragunj Tehsil

During his inaugural address he stressed on the need for establishment of permanent infrastructure to deal with rapidly growing waste in rural areas and caution that, if immediate steps are not taken situation may turn to worse in few year. He requested all PRI members to learn modern method to deal with problem and try to implement it in their jurisdiction. Only thereafter we can ensure a clean and healthier future to younger generation. He assured ANSWM will help them in all possible way to educate in the field.

During the workshop participant were introduced with various methods and successful models listed by MoDWS of waste collection, segregation and disposal at different level and benefit thereof. Participant promised to work towards Zero Waste Mantra in their villages.

## Career

- 2Nos. Assistant Engineers (Civil) were assigned Current Duty Charges of Executive Engineers (Civil) in public interest.

## Transfer

- 2Nos. Superintending Engineers were transferred vide Office Order No.3191 dt. 20.10.2014.
- 12Nos. Junior Engineers(Civil) were transferred vide Office Order No.1327 dt. 20.11.2014.
- 3Nos. Assistant Engineers(Civil) were transferred vide Office Order No.1328 dt. 20.11.2014.

## Superannuation



Sri Jaychanader, Assistant Engineer (Civil) posted as EA to SE(P) SE, CC-I attained superannuation on 30.11.2014 after about 32 years of long service. He has joined the Department on 17.11.1982 and worked on various places in Andaman & Nicobar Islands. He was famous for his cool behavior and polite manner. We wish him a very happy and healthy family life.



### Treatment Plant at Lamba Pahad



0.60 MLD capacity treatment plant at Lamba Pahad was commissioned by Chief Engineer-cum-Secy(PWD) Shri P.K. Singh on 18.12.2014. This treatment plant is located at the foot hill of Lamba Pahad at advantageous location from where treated water can be supplied to habitation at lower level under gravity. This treatment plant will receive raw water under gravity from Bamboo Nallah sources, located in nearby hills.

Treatment plant has provisions for sedimentation tank with 5 Nos slow sand filter and chlorine dosing tank for disinfection of treated water.

After completion of this project, villages of Lamba Pahad and Wimberlygunj, headquarter of Ferrargunj Tehsil will receive treated water. This will also improve water supply considerable in the area.

### Renovation and face lifting of Wimberlygunj Park



Wimberlygunj Park was lying uncared and unused for a long time. It was full of weeds and bushes. It has been renovated and face lifted under initiative of Hon'ble Lt Governor to provide public places for amusement and exercise in the area. APWD carried out complete uplifting, repair of internal footpath and internal electrical installation in a very short period of time. Now a places where cattle and stray dogs used to roam has been improved into a public property. It shall help in improving aesthetic of the surrounding area as well.

### Treatment Plant at Pahalgaon



1.65 MLD capacity treatment plant at Pahalgaon, Mayabunder under NRDWP scheme has been completed and ready for handing over to public after commissioning trial. Work has been taken up under NRDWP scheme of Central Government, a flag ship program for water supply in rural areas in order to improve water quality in the areas. With the completion of this project 6 villages will be covered with a total population of 662 in North Middle District. It shall also improve water supply situation in this areas. This is the First Treatment Plant

### Boys Hostel at Middle Point



Boy's hostel at Middle Point has been completed and ready to be handed over to client department. It is triple storied RCC framed structure with total plinth area of 1105.00 Sqm. It has Dining, Pantry along with Power and store room, in basement Floor, and 7 Nos. Double Bedded Rooms, 4 Nos. triple bedded rooms in other two floors. It has been provided with all other basic amenities for comfort of students. 30,000 Litres underground sump will ensure round the clock water availability. Second Phase of Hostel will be taken up as soon as sanction is received.

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