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Directorate of Transport Building at Phoenix Bay



Directorate of Transport Building at Phoenix Bay has been completed and handed over to Andaman College Administration for immediate functioning as office premises. Building is located near Phoenix Bay inter section with unique aesthetical appearance conforming with the surroundings.

Directorate of Transport is presently functioning in the premises of Central Bus Depot at Mohanpura. Due to increase in transport requirement in view of better public amenities and promotion of tourism in the island transport infrastructure has to be improved. It involves expansion of bus services. Due to recent permission to allow night travel from Diglipur to Port Blair and introduction of tourist coach space in present premises was found to be inadequate. Accordingly, it was proposed to construct separate office premises for Directorate of Transport at site of old Workshop of Transport Department.

Presently constructed building is a Three storied RCC framed structure designed to resist earthquake loading.

Building has provision for office premises of Directorate of Transport, License Systems and other official requirement. It has all the basic amenities prescribed for public building with specific facility for access of physically challenged people.

Primary Health Centre at Katchal



Katchal Island in Nancowrie group was worse affected during Tsunami of 2004 with tremendous loss of infrastructure and human lives. Worse affected were health services. Primary Health Centre located at jetty was completely destroyed. As an immediate rehabilitation measure a temporary structure of prefabricated unit was constructed.

prefabricated unit has very less capacity considering population of the island. Accordingly a proposal for construction of permanent Primary Health Center was approved and work was undertaken.

New Primary Health Center has been completed and handed over to public. It is a Single storied RCC framed structure with feature for earthquake resistance. Total plinth area is 595 Sqm. It has separate Male and Female ward along with provisions for separate Maternity and Ayush ward. There is separate space for Pharmacy and Out Patient Department. Building is centrally located, which allow easy access to all public.

The newly constructed PHC building also has provision for Rainwater Harvesting Tank, solar heater; approach road and parking places including mandatory provisions of acess for Physically Challenged Persons.

Completion of this building is a mile stone in improving health care facility for tribal of katchal island. It also improve health care for govt. employes posted in this island.

Water Shed Development: A&N Island

A & N Island was formed by submergence of fold mountain series of Arakanom extending from Myanmarees Border to Indonesia. Typically the topography of the region is steep terrain with steep slope. Since area is surrounded by coastal boundaries. River system is mostly consist of numerous springs and seasonal rivers joining to a major valley which discharges in to nearby coastal plane. Being a mountainous regions coastal plain are very narrow, shallow and quickly meets the sea. Because of steep terrain option of development of larger water supply system is very remote and few. Shallow depth of streams is another disadvantage. Most of accessible sources has been developed, but due to increase in demand water crisis continue to persist despite development of full potential of these rivers and springs. High volume of sediment also causes rapid reduction in volumes of water retaining structure. To meet additional demands either a new source has to be developed or any other alternate method has to be adopted.

One of the potential suggestions would be development of watershed of natural sources (even seasonal one) with construction of series of small height Bandharas, check weirs or make shift gates. This will not only help in controlling erosion by streams by controlling velocity of the streams. It will also ensure growth of Flora and Fauna along the stream due to regular presence of water. Water stored in the channel i.e. channel storage can also be used for irrigation purpose during summer in many other stretches, where it cannot be utilized for drinking water.

In order to avoid sedimentation, it will be preferable to provide a make shift gate arrangement mounted on a raised column on both banks of channel. In order to avoid massive structure and allow construction in steep reaches of channel superstructure made up of built up section with bolted connection for easy transportation, assembly, erection and reassembly will be most suitable.

This temporary gate will allow movement of high volume of sediments and flood during peak monsoon unhindered therefore avoiding any possibility of flooding and over topping of banks. In later monsoon period, these gate has to be made operational and closed, to check the rain water and store it in the channel, creating large volume of reserve. During dry period these gate can be opened in series to add more capacity to the channel.

If constructed upstream of any existing dam or check weir, it have to be constructed beyond the Afflux Line of downstream structure. As soon as water will start depleting in main reservoir, these gate can be opened up to allow more water to the dam. It can also be constructed downstream but in such case additional arrangement of pumping has to be made during the summer to draw water from lowest located gate.

Promote water shed development, help community development!

Water Park At Hutbay



Hut Bay is famous as Little Andaman. It is located South of South Andaman Island at a distance of about 45 miles. It is also called as Gateway to 10° channel, being last shelter places for all vessels passing through 10° channel. Here harbors have been developed to ensure berthing of various types of vessels. Hut Bay is blessed with natural reserve of Flora and Fauna of Tropical Forest and variety of wild animals. It is a home to Aboriginal tribesman of Andmanese origin as well.

Its unique location allows one to 12 hours joy ride by ship and breathtaking view of Brother and Sister Islands enroute. Away from crowded tourist spot of the South Andaman; it has great potential for development as tourist place. Beauties lie in huge length of road passing through the plane land of coral island full of plantation and irrigated land.

Near sea shore, there is a small sea lagoon formed due to ingress of seas in low lying bed, due to formation of a costal cave with regular impact of sea wave. During low tide water recedes from lagoon and bed get dried up, but during high tide water get filled up. This lagoon can be developed as Sea Water Park by construction of an inverted channel across the opening of mouth of cave. It shall allow high tide water to enter but water will not flow out during low tide. It shall also allow movement of excess runoff from the stream as well. This arrangement will also help in growth of natural Flora and Fauna in and around lagoon.

Er. M.C. Chadda M/s Kailash Engineering

Editorial

Monsoon has arrived with sign of relief to all. No more complaint and no more hardship due to water scarcity. As soon as it will depart, there will be worry on every one face speculating water scarcity despite huge quantum of Rain fall each years and a series of rivulets and spring all around the island villages. Most of them get dried up within a week period of departure of Monsoon. If properly developed by construction of small scale Bandhara as a part of Community Development Program, it will act as reserve water bodies around the village. Supported by proper house hold rain water harvesting such arrangements can take care of localized water scarcity within a habitation and house hold where regular supply network can't be laid due to logistic and economical reasons.

Save rain water, Save Planet!

2 day training program for E&M staffs and Officers by L&T



4 days training programme was organized by Andaman Public Works Department for Engineers and Technical Staff of Electrical Wing in collaboration with Larson and Tubro Electrical Appliances Division, Kolkata. Training Programme on 15-16th April, 2015 was for Engineers and 17-18th April, 2015 for Technical Staff.

Programme was inaugurated by Sri M.K. Verma, Superintending Engineer, PBCC, Port Blair, APWD on 15th April 2015 in presence of General Manager, Larson and Turbo, Electrical Appliance units. During inauguration Chief Guest in his inaugural address requested all participants for their attention in training programme to ensure they become capable of dealing with the problem in the present fast changing dynamic world of Electrical Engineering.

Sri. Arya, General Manager, L&T gave a brief presentation on rapid changes in products and their applications and stressed that for full utilization of these products it is essential that Engineers and Technical Staffs dealing with them must understand them properly.

Programme included state of art in Low Voltage Switchgear System along with details working and latest innovations in Miniature Circuit Breaker(MCB), Moulded Case Circuit Breaker (MCCB), Contactors, Isolators and Air Circuit Breaker(ACB) System, Sensor Actuated Control Mechanism and SMS based application in electrical system.

Total 31 Engineers and 24 Technical Staffs attended the programme from different Divisions of APWD. Sri Vishnu Srivastva, Resource Person, L&T shared his experience and unique design features of various products, their applications, trouble shooting, fault detection and repairs mechanism

Sri P.K. Singh, Chief Engineer-cum-Secretary(PWD) was Chief Guest during concluding ceremony on 18.04.2015. In his address he expressed his happiness on training programme, particularly in large participation from technical staffs, who are real person in the field. He assured that he will take all possible measure to keep the work force trained in latest technology and their applications such the department remain ahead in this field. He also instructed Engineers to introduce latest tools and equipments into work culture and more emphasis on energy conservation to ensure sustainable development.

Orientation program on solid waste management



ANSWSM organized orientation program for implementation of solid waste management in different offices of APWD. As part of programme Work Charged Staff, Officers and Administrative Staff of the various Divisions at Port Blair were trained with the help of Audio and Video presentation for dealing with variety of waste generated in office premises. Way and means to reduce waste and safe disposal was also discussed.

Orientation programme was separately held for a group of Three or Four Divisions in order to enable proper attention to each and every participants.

Participants also discussed effect of ill mannered waste disposal ultimately resulting in disposal of valuable recyclable material to garbage dump with potential to contaminate ground water and Aquatic life of surrounding Biosphere.

This is a part of preparation for collection of paper waste for recycling in the Recycling Plant likely to be installed in the premises of Chief Engineer's Office. It shall also allow us to implement more Green Building norms by taking up in-house waste separation and disposal in office premises. It shall ultimately lead to implementation of similar program in all offices upto section office of Junior Engineer and site offices.

Introductions will stimulate mores activities towards adoption of Green Practices in our work culture.

Career

PROMOTIONS

● 3 No's EE Civil was promoted as Superintending Engineer vide O/o No. 1972 dt 24.06.2015

MACP

- 2 No's EE Civil was granted 2nd Financial Upgradation under MACP vide O/o No. 685 dt 23.06.2015.
- 8Nos. Assistant Engineers(Civil) and 1No. Assistant Engineer(E&M) were granted 3rd Financial upgradation under MACP vide O/o No.670 dt.18.06.2015.
- 17Nos. Junior Engineers(Civil) and 1No. Assistant Architect were granted 1st & 2nd Financial upgradation under MACP vide O/o No.671 dt. 18.06.2015.
- 4Nos. Draughtsman, Gr-III, JE(Adhoc) were granted 2nd Financial upgradation under MACP vide O/o No.672 dt.18.06.2015.
- ◆ 5Nos. Draughtsman, Gr-III and 6Nos. Surveyor were granted 2nd Financial upgradation under MACP vide O/o No.673 dt.18.06.2015.

Road from Beachdera to inside Village at Katchal



Beachdera is a village at Katchal Island about 7.5Km from Marine Jetty with the population of about 300Nos. Earlier interior of the village was connected with katcha road. Villagers were facing difficulty to reach their plantation and transporting Copras and other items.

Recently and all weather road 1.65 Km long and 3 mtr. wide has been completed. Road starts from Beachdera Junction and connects interior of village via Beachdera School. After completion of this road villagers of Beachdera have around the clock, all weather connectivity to headquarter of Katchal Island.

Store Building for Department of Motor Transport at Port Blair



Store Building for Motor Transport Department has been recently completed and handed over to Department of Transport. Considering massive demand for transport infrastructure in the island, existing store capacity was insufficient. Therefore it was proposed to construct new store building for the Transport Department at Phoenix bay inside Transport Department campus.

It is a Triple storied RCC framed structure with RCC raft foundation and total plinth area of 1280.40 Sq. Mtr. Ground floor has provision for P.O.L and other related materials/spare parts store. First floor has provisions for, Ticket Store, Record Rooms, and Stationary room with common utility. Chamber of Director, Assistant Director, procurement section and Library is in 2nd Floor,

Fire Station Building at Phoenix Bay



Fire station at Phoenix Bay is among few oldest Fire Brigade units with most congested and heavily populated area of Port Blair town under their jurisdiction. It was an old wooden building, which was very inconvenient for parking of Fire Tender and residence of occupational staff. Therefore a new RCC building was proposed and recently completed.

Newly constructed building is a Double Storied RCC framed earthquake resistant structure with plinth area of 416 Sq. Mtr. provisions for Garage for two Fire Tender, GD watch room, Station Office Room, Duty Staff Room-cum-Recreation Hall, EDB Store, kitchen, Dining Hall with pantry and store room and Ground floor. First floor has provisions for 2 Nos. Barrack for 10 Nos. and 5 Nos. persons respectively with all basic sanitary provisions.

INCOIS Work at Arong, Car Nicobar



Indian National Center for Ocean Information Services, Ministry of Earth Science has approved construction of 35Nos. Recording Room for installation of Emergency Communication, GPS and Strong Motion Center across A&N Islands to allow real time monitoring of Geological activities of A&N Islands which is an active earthquake zone. After successful commissioning this will join a chain of sensor across Bay of Bengal, forming an integrated Tsunami Warning System. First of these units has been completed at Arong village of Car Nicobar Island. In addition to these 2 units at Teressa Island and 1 unit at Neil Island has also been completed. Installation of equipment will start soon.

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