Govt to use Netherlands' experience to save Kuakata beach

Says state minister for Water Resources

Our Correspondent, Patuakhali

The government will use the experience of Netherlands to protect Kuakata sea beach from continuation of erosion by the Bay. Plans have been made to implement the technology the country has implemented to protect their sea beach. Due to this, a high-level team, led by the secretary of the Ministry of Water Resources, visited Netherlands two years ago.

State Minister for Water Resources Col (retd) Zahid Faruq Shamim said this while talking to reporters after visiting the eroded area of Kuakata beach on Saturday

The state minister said they have seen the process by which Netherlands protected its sea beaches for its people. Accordingly, the survey has been completed after coming to Bangladesh. Now the DPP (Draft Project Proposal) will be prepared and sent it to the Planning Commission. Later, it will go to Executive Committee of the National Economic Council (Ecnec) for final approval.

He added that the prime minister had directed to upgrade Kuakata and Cox's Bazar beaches to international standards. The projects would be implemented as soon as possible. Because if the two beaches are promoted to international standards, the country's prestige will increase. The economic growth and revenue will also be boosted.

Khan Mohammad Waliuzzaman, executive engineer of Water Development Board (WDB) in the district, said emergency measures have been taken to

protect the 260-metre shoreline on the east and west sides of the zero points of the beach. Apart from that, 3,200 sandfilled geo-bags will be dumped at a cost of Tk 20 lakh to resist erosion. The work will start next week.

It is mentioned that a large area of Kuakata beach has been eroded by unusual waves due to strong currents and high tides in the Bay since August 20. At least 25 feet of the main road to the beach were washed away.

Besides, mosques, temple, tourist police shed, municipal public toilets and tourist parks along the road have been severely damaged. In addition, various species of trees on the beach and numerous tamarisk trees in the National Park of the Forest Department were uprooted.

Meanwhile, due to the severity of the breakdown, the submarine cable under the sand at the zero point of the beach came out from the sand and again threatened the internet service of the submarine cable.

On the other hand, if the authorities concerned do not take permanent measures to prevent the breach of the coast, the breach will continue to spread.

Earlier on August 27, Harun Aur Rashid, additional chief engineer of Water Development Board (WDB) in Patuakhali, visited the wreckage in Kuakata.

The WDB engineer said, "A permanent project to protect Kuakata beach has been prepared and sent it to the ministry. Once the project is approved, the work will begin to protect the entire beach.'



The state minister for Water Resources visited Kuakata sea beach on August 29 as heavy tidal surge damaged the beach area.



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার

বাংলাদেশ পুলিশ অধিনায়কের কার্যালয় ১১ আর্মড পুলিশ ব্যাটালিয়ন উত্তরা, ঢাকা



উন্মুক্ত দরপত্র বিজ্ঞপ্তি (OTM)

স্মারক নং-এপিবি(১১)/প্রশাঃ/৩৭৪১ তারিখঃ ৩১/০৮/২০২০ 'The Public Procurement Act-2006" ও "The Public Procurement Rules-2008" এবং এর তদীয় সংশোধিত বিধি মোতাবেক ২০২০-২০২১ অর্থ বছরে ১১ এপিবিএন, উত্তরা, ঢাকার নিম্নর্ণিত নির্মাণ প্রকল্পসমূহ বাস্তবায়নের জন্য বাংলাদেশী প্রকৃত অভিজ্ঞতাসম্পন্ন ঠিকাদার/নির্মাণকারী প্রতিষ্ঠানের নিকট থেকে নিমুবর্ণিত শর্তসাপেক্ষে সীলমোহরকৃত খামে দরপত্র আহবান করা যাচ্ছে।

۱ ده	মন্ত্রণালয়/বিভাগ		ষরষ্ট্রে মন্ত্রণালয়/জননিরাপত্তা বিভাগ।				
०२ ।	সংস্থা		বাংলাদেশ পুলিশ।				
०७।	ক্রয়/সংগ্রহের স্বত্যাধিকারীর নাম		অধিনায়ক (পুলিশ সুপার), ১১ এপিবিএন, উত্তরা, ঢাকা।				
08	যে জন্য দরপত্র আহবান		নিৰ্মাণ কাজ।				
061	দরপত্র আহবারে	দর সূত্র		দরপত্র বিজ্ঞপ্তি স্মারক নং-এপিবি(১১)/প্রশাঃ/৩৭৪১			
০৬।	তারিখ			02/06/2020			
কাজের বি	বরণঃ						
০৭। সংগ্ৰহ পদ্ধতি			উন্মুক্ত দরপত্র পদ্ধতি (OTM)				
অর্থের উৎ	সঃ						
ор I	বাজেট ও অর্থনৈতিক খাত		২০২০-২০২১ অর্থ সালে পুলিশ বাজেটের কোড নং "১২২০২০১১৫৯৫৪-সদর দণ্ডর- বাংলাদেশ পুলিশ-৪১১১১০১-আবাসিক ভবন" খাত।				
তথ্যাদিঃ							
०५ ।	দরপত্র বিজ্ঞপ্তি পত্রিকায় প্রকাশের শেষ তারিখ		০৬/০৯/২০২০।				
3 0 l	দরপত্র বিক্রয়ের শেষ তারিখ		দরপত্র বিজ্ঞপ্তি পত্রিকায় ব কার্যদিবসে অফিস চলাকালী		২০/০৯/২০২০ তারি	খ পৰ্যন্ত (প্ৰতি	
22	দরপত্র দাখিলের	া শেষ তারিখ ও স	দময়	২১/০৯/২০২০ তারিখ ১২:০০টা পর্যন্ত।			
১ २ ।	দরপত্র খোলার	তারিখ ও সময়		২১/০৯/২০২০ তারিখ বেল	া ১২.৩০টা।		
অফিসের ন	নাম ও ঠিকানাঃ						
701	অফিসের নাম ৩	ঃ ঠিকানা		অধিনায়কের কার্যালয়, ১১ খ	এপিবিএন, উত্তরা, ঢাকা।	l	
	দরপত্র ডকুরে	মন্ট/দলিলাদি	বিক্রয়কারী	১। ডিআইজি এপিবিএন কা			
	অফিস			২। অধিনায়ক (পুলিশ সুপা			
				৩। অধিনায়ক (পুলিশ সুপার), ১১ এপিবিএন, উত্তরা, ঢাকা।			
	দরপত্র গ্রহণকারী অফিস			অধিনায়কের কার্যালয়, ১১	,		
	দরপত্র খোলার স্থান		অধিনায়কের কার্যালয়, ১১ এপিবিএন, উত্তরা, ঢাকা।				
দরপত্র সম্পর্কিত তথ্যঃ							
78	দরপত্রের যোগ্য	তা		ক) হালনাগাদ ট্রেড লাই পরিশোধের সদদপত্র, গ) ও ডিজিট বিশিষ্ট ই-বিআইএন ঘচ্ছলতা সনদপত্র (বিগত প্রতিনিধির ক্ষেত্রে মালিকে কর্মকর্তা কর্তৃক সত্যায়িত ব ঘাক্ষর, জ) সংশ্লিষ্ট কাজে	মনলাইনে ইস্যুকৃত হালন i), ঘ) যে কোন তম্বসিং ৬ মাসের ব্যাংক স্টেটমে ক্ষমতা অর্পণপত্র (নোট ৩৩ কপি সদ্য তোলা পা	াগাদ ভ্যাট রেজিস্ট্রেশ গভুক্ত ব্যাংক হতে হা ন্টসহ), ঙ) নাগরিকজ ারী পাবলিক কর্তৃক), সপোর্ট সাইজের রঙ্গীন	ান সনদপত্র (৯ লনাগাদ আর্থিক হু সনদপত্র, চ) , ছ) ১ম শ্রেণীর ন ছবি ও নমুনা
				অন্যান্য যোগ্যতা যা টেভার			
76.1	কাজের বিবরণঃ	কাজের বিবরণঃ					
	লট নং	নির্মাণ প্রকল্পের বিবরণ		দরপত্র সিডিউলের	দরপত্র নিরাপত্তা	কার্য সম্পন্ন	

	-10 -10	171711 - 179911111	14 14 14 14 14 14		14 14 1141 101	414-1 184
				মূল্য	জামানত	করার
				(অফেরতযোগ্য)	(ফেরতযোগ্য)	সময়সীমা
	٥.	Construction of APBn-11 Tin	Shade Barrack	900/-	২,৬০,০০০/-	১৮০ দিন
		Under Demra, Dhaka (Part-1) (Civil Work (ব্যারাক,			(০৬ মাস)
		কিচেন ও আর্মস রুমসহ)				
	২.	Construction of APBn-11 Tin	Shade Barrack	960/-	১,২৫,০০০/-	১৮০ দিন
		Under Demra, Dhaka (Part-2) Civil Part,				(০৬ মাস)
	Sanitary, Water Supply & Electrical Work.					
পত্ৰ সম্	পাদনকারীর বি	বৈরণঃ				
1	দরপত্র আর	ংবানকারী কর্মকর্তার নাম	শাহীনা আমীন, পিপিও	াম।		

দরপত্র সম	দরপত্র সম্পাদনকারীর বিবরণঃ				
১৬ ৷	দরপত্র আহবানকারী কর্মকর্তার নাম	শাহীনা আমীন, পিপিএম।			
۱۹۷	দরপত্র আহবানকারী কর্মকর্তার পদবী	অধিনায়ক (পুলিশ সুপার)।			
2p. l	দরপত্র আহবানকারী কর্মকর্তার ঠিকানা	১১ আর্মড পুলিশ ব্যাটালিয়ন, উত্তরা, ঢাকা।			
১৯।	দরপত্র আহবানকারী কর্মকর্তার সাথে যোগাযোগের	🕿-৪৪৮৯০০৪২ 🖶-৪৪৮৯০০৪৩ , ই-মেইলঃ co11ap@police.gov.bd			
	মাধ্যম				

বিশেষ শর্তাবলীঃ

জিডি-১৩৭৬

ক) নির্দিষ্ট সময়ের পর আর কোন দরপত্র গ্রহণ করা হবে না।

খ) নির্মাণ কাজের অভিজ্ঞতাসহ সরকারি/আধা-সরকারি/বেসরকারি বা অন্য যে কোন সংস্থার কাজের বাস্তব অভিজ্ঞতা থাকতে হবে। পুলিশ হেডকোয়ার্টার্স কর্তৃক অনুমোদিত বরান্দের আলোকে চুক্তিপত্র সম্পাদন ও কার্যাদেশ প্রদান করা হবে। এতদসংক্রান্তে কোন আপত্তি গ্রহণযোগ্য হবে না। দরপত্রে উল্লিখিত সময়ের মধ্যে কার্যসম্পাদন করতে হবে।

গ) কোন প্রকার কারণ দর্শানো ব্যতিরেকে কর্তৃপক্ষ যে কোন দরপত্র গ্রহণ বা সকল প্রকার দরপত্র বাতিল করার ক্ষমতা সংরক্ষণ করেন। ঘ) The Public Procurement Act-2006 & Rules-2008 ও তদীয় সংশোধনী বিধি অনুযায়ী সকল শর্তাবলী কার্যকর হবে।

শাহীনা আমীন, পিপিএম বিপি-৭৪০১০০৯৭৬৯ অধিনায়ক (পুলিশ সুপার) ১১ আর্মড পূলিশ ব্যাটালিয়ন, উত্তরা, ঢাকা ☎-88৮৯००8३

-88৮৯००8৩ co11ap@police.gov.bd



Young entrepreneur Ashraful nurses one of his biofloc fish tanks in Mymensingh's Bhaluka upazila.

PHOTO: HRIDOYE MATI O MANUSH

New era of fish farming

Back in March 2000, Israeli scientist Yoram Avnimelech published a journal, highlighting a new method of fish farming. Through a research Avnimelech found that fish farming was polluting the environment. The water and soil of the pond where, fish is farmed, are getting polluted year after year. He pointed out the way to get rid of this in his article titled, 'Active Suspension Ponds, a New Concept in Water Treatment.' That method has later gradually turned into biofloc technology (BFT). Fishery scientists from different countries are continuing their research to use this system through different methods. With the help of Recirculating Aquaculture System (RAS), fish farms were also set up in a vast area in the deserts of California in the United States of America.

In 2019, I had the opportunity to visit the Ocean University in Qingdao in China to see some of their extensive research on the blue economy. Talking to the researchers there, I learned that their thoughts are on how to conquer the sea as a field of production. The issue is not limited to just thinking. They have taken fish production very seriously and their marine resources are functioning well. Two years back, I showed the viewers on TV, the massive fish factory, which was built by the E-Water Aquaculture Equipment Technology in Zhongshan, China. The world is constantly creating new technologies.

For almost three years now, the youth of our country have been trying to cultivate fish using BFT. Some are becoming successful, some are not. There should have been a study on why some are successful and some are failing, using BFT. If our researchers and experts in this field could give the young entrepreneurs a proper guideline, I believe we would see a new revolution in fish farming through BFT.

Today, I would like to inform you about biofloc technology online for the past three Mymensingh's Bhaluka upazila, who is quite that in mind, Ashraful has taken the initiative to

became an entrepreneur in fish farming. But things didn't work well for him. However, failure couldn't stop Ashraful. In 2018, he tried to learn more about BFT. His effort continued for two years. Now he has become quite confident in properly using BFT. Ashraful has helped setting up an experimental demonstration farm at Bangladesh Fisheries Research Institute.

Shykh Seraj is Bangladesh's pioneer development journalist. He received country's two highest civilian honours, Swadhinata Puroshkar and Ekushey Padak, respectively. He is a BIDS, Ashoka

and Bangla Academy Fellow. He also received highest award for agricultural journalism from the United Nations, FAO A.H. Boerma Award, Gusi Peace Prize (Philippines) and many other prestigious accolades at home and abroad. At Channel i, he's the Founder Director and Head of News. He's also Director and Host of Channel i's popular agrodocumentary, Hridoye Mati O Manush.

Ashraful has also built his own biofloc fish farm on seven decimals of the land. He is doing fish farming in nine fish tanks. Eight tanks have a capacity of 7,000 litresd each. The capacity of the other tank is 10,000 litres. Earlier, Ashraful cultivated shing, pabda and tilapia, but now he's doing two varieties of pangas. Large pangas and development partners should come forward fishes are cultivated in two tanks and the rest of young entrepreneur who has been studying the seven tanks are producing pangas fingerlings. There are a total of 52,000 fingerlings. As this years, researching on his own. His name is year witnessed a prolonged flood, there will be Ashraful, a very enthusiastic young man from a huge demand for fish fries (fingerlings). With

famous for his fish farming. He first watched cultivate pangas fingerlings. 'There are 1,100 fish RAS technology on YouTube back in 2017 and in two fish tanks in which I am raising fish,' says in two fish tanks in which I am raising fish,' says Ashraful. When the fingerlings were released, 30 of them weighted 1 kg. I requested Ashraful to give me the results he's getting from one tank with regards to profit and loss. He said it would cost a total of Tk 25,000 (USD 295) for an aerator and an oxygen pump to prepare a tank in the biofloc system. And this tank will last for at least 10 years. 'How much it costs to cultivate pangas in four months?' I asked Ashraful. He said he released 550 pangas fingerlings in a tank at a rate of Tk 5 (USD 0.058) each; food cost in total is around Tk 12,000 (USD 141.59). In four months, total expenditure won't go beyond Tk 15,000 (USD 176.97). If he can sell his pangas at Tk 80 per kg, he will get Tk 45,000 (USD 530.93) from one tank. It means for 550kg of pangas from one tank, Ashraful gets around Tk 45,000. If a young man who is unemployed now can invest around Tk 1,00,000 (USD 1,179) on two decimals of land by setting up two fish tanks, he may earn a monthly profit of Tk 25,000 (USD 294.98) from two tanks, excluding all costs involved,' confidently adds Ashraful. He has also built a macha (platform) on the tanks, using nets, where he's cultivating seasonal vegetables. This is an extra income for him.

Ashraful said probiotic production is the main challenge for Biofloc. For this, he uses Jholagur (Molasses). Many people use Chitagur (Molasses). However, Ashraful says, he is getting good results by using Jholagur. Biofloc has spread across the country as through the contribution of mass and social media. If these new methods of fish farming are not well comprehended, there is a risk of failure. So all you fishers out there, need to know the technology well before taking the initiative in reality. In this case, government alongside the media. We must ensure a standard guideline for using biofloc technology, where I firmly believe there is a need for intensive research and experiment so that farmers can finally yield a great profit by producing healthy fish in huge quantity and utmost quality.

3 cousins drown

Our Correspondent, Lalmonirhat

Three cousins drowned in the Sonabhari river in Kurigram's Rowmari upazila yesterday noon.

The deceased are fifthgrader Zinnat Khatun Dina, 11, daughter of Oli Ullah of Gaibandha's Sadullapur upazila, and eighth-grader Siam Ahmed,14, son of Haider Ali, and 10th-grader Hamim Islam, 16, son of Abdul Quader of Rowmari.

Police said the trio went to take a bath in the Sonabhari river around 1:30pm.

At one stage, Dina slipped into the river water due to strong current and drowned.

Siam and Hamim also drowned while trying to save Dina.

Later, locals recovered their bodies.

Youth stabbed dead

Our Correspondent, Moulvibazar

A youth was killed allegedly over a land dispute in Sylhet Sadar upazila yesterday.

The victim, Tanvir Ahmed, 18, was son of Shafiq Miah of Chhalepur village.

Locals said a group led by Touhid Mia of the village stabbed Tanvir allegedly previous enmity, over leaving him critically injured. Critically injured Tanvir later died while undergoing treatment at Sylhet MAG Osmani Medical College Hospital.



Government of the People's Republic of Bangladesh

Police Staff College Bangladesh

Section-14, Mirpur, Dhaka-1206

Call for Admission Police Staff College Bangladesh invites candidates for admission in Master of Applied Criminology and Police

Management (MACPM) course for the session of 2019-20.

Eligibility for admission:

Police officers, non-police officers (cadre/non-cadre civil officers, armed forces officers, legal practitioners and other professionals) who can meet the following criteria are eligible for admission:

- a) Police officers from the rank of Inspector to above who have minimum 2 years work experience and non-police officers who have minimum 3 years work experience are encouraged to apply. Beside this, the candidates must have:
 - Master's degree
 - 4 years Bachelor degree
- b) Applicants having third class/division in any examination are not eligible to apply.

Application procedure:

Candidates have to apply by the prescribed "Application Form" provided by the Police Staff College Bangladesh. Candidates have to submit the following documents along with the application:

- All the attested academic certificates and Mark sheets from SSC to Bachelor or Master's degree.
- Candidates should submit the main copy of migration certificate those who obtained degrees other than National University.
- The candidates who have foreign university degree must have to submit the equivalent certificates from the appropriate controlling authority.
- The serving (govt./non-govt.) candidates have to submit No Objection Certificate (NOC) from the proper controlling authority.
- Police professionals must have to submit the photocopy of Police ID.
- Recent 4 copy of passport size photographs (color).

Admission related information are as follows:		
Collection of Application Form	September 6, 2020 to September 20, 2020	
Last Date for Application Submission	September 20, 2020	
Admission Test	September 26, 2020	
Result Publication for Admission	September 28, 2020	
Completion of Admission Procedure	September 28, 2020 to October 01, 2020	

Application fee: Tk 1000/-

Contact address:

Director (Academic), Room No. 113 and MACPM Office, Room No. 408, Police Staff College Bangladesh, Mirpur-14, Dhaka-1206. Mobile: 01769691897, 01769691898, 01710523873, 01718716085 Email: macpm.psc@gmail.com, Website: www.psc.gov.bd

> Director (Academic) Police Staff College Bangladesh

GD-1378