Dhaka Day by Day

Renewables and Solar Energy to the Rescue

by Fayza Haq

Cordula Brendel, who is here in Bangla desh, having been invited by the Goethe-Institut, Dhaka, to give a lecture on the utilization of renewable energy resources at BUET. had quite a few suggestions for our technical authorities.

Ms. Brendel thought that it was too early to give suggestions to Bangladesh as to what to do with their resources. All she could offer, she said, was to guide them to chose technologies which were applicable to Bangladesh.

There is for instance, plenty of solar energy and water resources in the Hill Tracts, which are only periodically available, as I was told, apart from the wind energy in the coastal areas. I felt that biomass organic matter maybe somewhat difficult to use because of the type of cattling which is not quite appropriate, but is being done in Bangladesh. You need about 100 cows to produce an adequate amount of biomass. To collect the residue of cattle involves problems. However, solar energy is easily available. Another hindrance in Bangladesh is the infrastructure of power supply. There are many remote areas that are not connected to the public electric-grid, and there would be a considerable cost-effective pre-condition in

order to use solar energy: e.g. there is 'photovortaic', better known as a technique of solar cells, from which electrical power can be produced, she informed.

"I realise" the energy expert added," that it is too expensive to carry out this project immediately, although there are many coastal areas, and northern districts, such as Sylhet, and other places which are not connected the gridspecially the villages. The coastal islands also remain neglected. As I have already mentioned, there is periodical water supply discharge, which is now possible to use for power produc-

hour which is enough to supply an entire village with electrical power," Ms. Brendel add-"They can have refrigerators too for medicines for health services. I talked to Bangladeshis for two months, and they told me of their

tion. Even small portable motor power plants

can supply about 5 kilowatts of energy per

needs. I have visited Sunamgani, where I stayed for five days. I have seen other sites too , but only for a period of a day or a couple of days. In the villages, I found that there was dire need of power supply by grids," she add-

The energy expert continued, "Supply is necessary, because they could result in the use of solar cookers instead of the energy wasting

BPDSA seminar

March 19

Surgeons Association (BPDSA)

will hold a seminar on

"Implantation, crown bridge

and modern concept on den-

tistry on Mar 19 at Hotel

Purbani International, reports

surgeons Dr. Bruce J. Munroe

and Dr. Michael D. Bowler of

New Castle, Australia will par-

organise a free camp on oral

and dental treatment for the

poor patient at Gaztpur Mohila

College on March 18, from 9

am to 3 pm. Free medicines

will also be distributed in the

Dr. Bruce J. Monroe and Dr.

Bang adesh Private Dental

Michael D. Bowler have offered

free consultancy and treat-

Surgeons Association has re-

quested all the graduate dental

surgeons of Bangladesh

(Government and private) to

participate in the seminar and

ticipate.

Eminent Maxilco Facial

The Association will also

Bangladesh Private Dental

cookers in the villages. Fairly cheap solar cookers could be imported from India, across the borders, which are locally produced in India by Indo-German co-operation, and which costs about Rs. 500 each. They are box-type cookers and would be good for fuel savers."

"However, you cannot replace a conventional stove cooker as solar energy is not available in the evening. It would be a good fuel saver and it would make the work easier for the women, as the women have do the cooking, as I witnessed myself," Ms. Brendel said further-

She added, "Social acceptance must be there. In India, this was one of the problems for the bio-gas plants, because people were not used to cook with gas, to begin with, in the rural areas i.e., and would not easily accept the use of residuals, which went into the manufacture of the gas. Pig-droppings, cowdroppings, chicken-droppings, could be used. The municipal co-operation many use any completely organic matter. You can also use human excretion, but people, however, may not like to cook from the last type of biomass."

In order to save the energy resources, Ms. Brendel suggested that every kind of telecom-

munication, as well as small applica tions, as in the case of torch-lights, should be done. Any conventional electrical appliance can be suppled by solar energy. This also applies to the pumps, essential for irrigation and drinking water.

The experts at the D.U. are aware of the use of solar energy," Ms. Brendel informed, "but clear guidelines are missing where the government authorities are concerned. The scientists feel the constraint by the ruling political power. Solar-cell installations should be made by authoritics who run the country," Ms. Brendel added.

Cordula Brendel You need a plan and education for solar energy to be used in the villages. As for the garbage from the municipal trucks in the city, the authorities have yet to invest in their recycling process. This involves not only financial support but also soctal and political assistance. The people must be prepared mentally, economically and soctally, and only then can solar power be used

adequately," the energy expert explained. It was enlightening for one to meet the intelligent and enthusiastic energy expert, who was born at Munich, and was educated at Bonn. Ms. Brendel is basically a town-planner and geographer by training. At present, she is preoccupied with P.R. work of the renewables on a scientific level, as an energy conscious town-planner.



Prime Minister Begum Khaleda Zia has felicitated Australian Prime Minister Paul Keating on his party's victory in general elections, reports

In a message today, Prime Minister Begum Zia said, "Please accept my warm felicitation on your party's victory in the recent general election in Australia under your dynamic leadership.

"I hope to continue to work closely with you in further strengthening the friendly ties that already exist between our two countries and for promoting peace and stability in the

"I take this opportunity to convey my sincere wishes for your good health, happiness and long life."

BAU deferred exams to start April 11

The postponed M. Sc. examinations of seven departments of Bangladesh Agricultural University for 1988 and 1989 will begin on April 11, reports UNB.

According to a BAU press release received here yesterday, the examination will be held in Veterinary Science, Animal Husbandry, Fisheries and Agricultural Engineering, Agricultural Economics, Agri Statistics (Preliminary) and Agri Economics (General).

Besides, the M. Sc. (Ag) and M. Sc. (Ag Ext. Ed) examinations will commence on 8 April as per earlier announce-

50 Taka prize bond draw results

The 44th draw of 50 Taka Bangladesh Prize Bonds was held yesterday at the conference room of the Commissioner Office, Dhaka division. The Additional Commissioner, Dhaka division presided it over, says a press The draw was held under

the system of single common draw and applied to all the 24 series in the 50 Taka Prize Bonds currently in circulation.

The following common numbers were draw. First Prize of Tk 2,50,000

for No. 0363263 Second Prize of Tk 50,000 for No. 0245285

Four Prizes of Tk 5,000 Each for nos: 0266792, 0360131, 0461377 and 0466200; Four Prizes of Tk 2.500 each: for nos: 0021328. 0236479, 0246914 and 0485391 and Ninety Prizes of Tk 500 each for the following

1	0000536	0164760	0341690
1	0003427	0165097	* 0347385
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	0012335	0179873	0349850
3	0014197	0184949	0357313
J	0014848	0185180	0364154
d	0023123	0187430	0365756
	\$2355TATKATKAT	0192280	0381743
3	0029400	0204937	0385373
9	0031371	0206081	0396062
d	0034121	0208080	0408708
4	0034767	0212396	
1	0040046	0212562	0414598
ď	0046104		0416201
	0048139	0214575	0420740
i	0050018	0219431	0425647
	0057590	0231552	0428404
i	0060659	0247896	0429972
	0064435	0263516	0430467
	0064600	0281801	0432833
	0067577	0283519	0433100
	0073570	0290165	0433427
j	0077725	0291186	0438368
9	0078963	0296745	0438401
	0093813	0306009	0443030
	0105512	0306353	0462725
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7.011.00	0119720	0323268	0474172
	0122351	0329445	0483540
	0124194	0330334	0484588
	0131788	0338803	0489661

held in different important centres to know their opinion. It was observed that peo-

Bangladesh Ambassador to Morocco and Palestine Abdul Quayyum presented his credential

Flood action plan won't affect

environmental balance: Majid

took part in that workshop, he

in Sylhet, Mymensingh,

Tangail and Jessore to make

the people understand the

usefulness of flood action plan

and such workshops will be

Workshops were also held

to Palestinian President Yasser Arafat recently.

Irrigation, Water Development

and Flood Control Minister M

Majid-ul-Hag at his office here

nents and studies of flood ac-

the French envoy the initial

formalities and the phases of

flood action plan in detail. He

said, the implementation of

flood action plan will not af-

fect the environmental bal-

ance. The programme has

started with an workshop and

Four members of "Australia

(Tuesday) at Dhaka Dental

lib, cleft palate, deconstruct

tion of face, cancer cells, and

The members of this team

include Mexillo-Facial Surgeon

Dr. Michel J. Boller, Plastic

Surgeon Dr. Bill Waker, Dentist

Dr. Brus Munro and Bill Waker,

a surgical sister. A local fourmember team led by Dr.

Motiur Rahman Mollah will

also join them. The other

members are Dr. Altaf Hossain,

Dr. Iqbal Shafiq and Dr. Rafiq

Ahmed Dr. Mottur Rahman

Mollah is the head of the Oral

Surgery Department of Dhaka

Besides this, the visiting

team will attend two seminars

at BARDEM and Hotel Purbani

on March 17 and 19 respec-

tively. The topic of the seminar

at BARDEM is "Prospect of

Oral and Mextllo-Facial Surgery

attend two dental camps at

Gazipur and Tangail where

they will treat the people of

told The Datly Star that an

agreement was finalised with

Dr Derrith Petrik, chairman of

Association of Oral and

"Australia-Newzealand

Dr Mottur Rahman Mollah

The visiting team will also

Dental College.

in Bangladesh".

the rural areas.

complex tumors in face.

They discussed the compo-

Majid-ul-Haq explained to

yesterday, reports BSS.

tion plan in Bangladesh.

The visiting special envoy of members of all conscious sec-

French President Madame tions of the society including

Anne Lauvergeon called on the the peoples' representatives

ples of all walks of life are interested to implement the flood action plan as early as possible, he said.

Foreign surgeons to treat patients from today

By DMCH Correspondent

Mexillo-Facial surgeon" in Australia last month. Newzealand Association of Oral and Mexillo-Facial Surgeon" Dr Mollah also said that they were eager to arrange are now in Dhaka and will treat two patients daily from today Masters Degree course for Bangladesh doctors. College Hospital (DDCH) upto March 23. They have selected patients suffering from cleft

The Irrigation Minister requested the envoy to implement the whole of the 26 components of flood action plan simultaneously to minimise excessive expenditure and time.

- PID photo

The envoy of the French President expressed that her government will take necessary steps to inform the plan in detail to the members of European Parliament. She assured to arrange a discussion meeting in Europe, where she will invite the representative of Bangladesh government.

The envoy also showed interest to import agricultural goods from Bangladesh.

Earlier, she flew over the different areas of Jamalpur district and adjacent region to see for herself the river situation. She also called on the State Minister for Irrigation, Water Development and Flood Control Mosahref Hossain Shahtahan at his office.

The State Minister also sought cooperation of the French government in implementation of flood action plan in Bangladesh.

PM accepts YMCA invitation

Members of Dhaka Young Men's Christian Association (YMCA) yesterday called on Prime Minister Begum Khaleda Zia and expressed their gratitude to her for taking necessary measures to transfer a reports BSS.

plot of land to the Association, Late President Ziaur Rahman had given the directives to allocate the plot of land to YMCA ton construct its

office building in 1981. The members of the association said the plot was not transferred to the association by the past autocratic regime.

They said the government of Prime Minister Begum Khaleda Zia had taken necessary measures to transfer the plot of land on which a multistoried office building of the association would be constructed.

The members requested the Prime Minister to attend the foundation laying ceremony of the building, to be held soon. She agrees to at tend the function.

Those, who called on the Prime Minister at her office. included Prof. Gabriel Manik Comez, President Dhaka YMCA, Tapan Chowdhury President Bangladesh YMCA National Council, Arole D. Robertson, Vice President Bangladesh YMCA National Council, James P. Mridha General Secretary Dhaka YMCA and Matthew Malakar, former National General Secretary YMCA National Council.

Advocate Mahbub awarded State Language Gold Medal

Advocate Kazi Golam Mahbub was awarded State Language Gold Medal, 1993 yesterday for his outstanding contribution during the historical Language Movement, reports UNB.

Principal Abul Kashem State Language Gold Medal Council announced the award on the occasion of "Rashta Bahsha Chuktidibash" yesterday The decision was taken at a

meeting of the council with its President Dr. Innas Ali in the chair Sunday, said a press re-



জেলা– নারায়ণগঞ্জ।

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हाका त्रिष्ठि कदरशास्त्रश्नन, हाका স্বাস্থ্য বিভাগ ফোনঃ ২৫৯৯৪৭

আপনার পরিবেশ সুন্দর ও পরিচ্ছন্ল রাখুন আপনার শিশুকে টিকা দিন

দরপত্র বিজ্ঞপ্তি

ঢাকা সিটি করপোরেশন, স্বাস্থা বিভাগাধীন বিভিন্ন দাতব্য চিকিৎসালয় সমূহের অন্য এন্লোপ্যাথিক ঔষধ ও সার্জিকাল উপকরণ সরবরাহের জন্য বাংলাদেশ ফরম নং-২৯১১তে প্রকৃত প্রস্তুতকারক কোম্পানী আমদানীকারক, পরিবেশ ও সরবরাহকারী প্রতিষ্ঠানের নিকট হইতে দরশন্ত আহবাদ করা বাইতেছে। উক্ত সীলভ দরশন্ত আগামী ২৮-৩-১৩ইং এবং ১৪ই চৈত্র, ১৩১৯ বালো ভারিখ বেলা ১১-০০ ঘটিকা পর্যন্ত প্রধান স্বাস্থ্য কর্মকর্তা এবং সকল আঞ্চলিক নির্বাহী কর্মকর্তাগণের দপ্তরে দীলডমোহরকৃত সংরক্তি বাব্দে গৃহীত হইবে এবং ঐ দিনই বেলা ১২-০০ ঘটিকার সময় উপস্থিত দরদাতা/প্রতিনিধিগণের যেদি কেহ উপস্থিত থাকেন) সামনে প্রধান স্বাস্থ্য কর্মকর্তার অফিস ককে খোলা হইবে। নিম্নে বর্ণিত হারে জামানত যে কোন শিভিউল ব্যাংক হইতে পে-অর্ডার/বাংক ছাঞ্চ-এর মাধ্যমে মেয়র, ঢাকা সিটি করপোরেশনের অনুক্রপে দাখিল করিতে হইবে। টেগ্রার নোটিশ করম ও শিভিউল নিমে বর্ণিত হারে নগদ টাকা জমা দির্রা (রশিদের বিনিময়ে) সিটি করণোরেশনের ক্যাশিয়ার/সকল আঞ্চলিক নির্বাহী কর্মকর্তাপণের দত্তর হইতে ক্রন্ন করা যাইবে। শিভিউল ক্রন্তের রশিদ দরপত্রের সহিত দাখিল করিতে হইবে। মালামালের দাম অবশাই অংকে ও কথায় স্পষ্ট অক্ষয়ে লিখিতে হইবে। দরণত্র খোলার দিন কোন শিভিউদ বিত্রত্ম করা হইবে না। যে কোন দরণত্র গ্রহণ ও বাজিলের সর্বময় ক্ষমতা সিটি করপোরেশন কর্তপক্ষ সংরক্ষণ করেন। এতদসংক্রান্ত যাবতীয় তথাবলী প্রয়োজনে যে কোন খোলা ভারিখে অফিস চলাকালীন সময়ে নিম্নত্বাক্ষরকারীর দশুর হইতে অবগত হওয়া বাইবে। দরণতের সহিত সার্জিকাল উপকরণের ক্ষেত্র নমুনা দাবিল করিতে হইবে।

আইটেমের নাম	শিভিউলের মূলা (যাহা অধ্যেরত্যোগ্য)	জামানত	সরবরহের সময়সীমা
ঞালোশ্যাথিক ঔষধ	000/-	3%	আদেশপ্রান্তির ২০
		tiel)	(বিশ) দিনের মধ্যে।
সার্জিক্যাল উপকরণ	000/-	2/18	-3-
/পিআরডি/৪৪৪/১২–১৩ ৩			প্রধান স্বাস্থ্য কর্মকর্তা ঢাকা সিটি করপোরেশন, ঢাকা।
	গ্রালোশ্যাথিক ঔষধ সার্জিকাল উপকরণ	্যাহ্য অফেরড্যোগ্য) ্থালোপ্যাথিক ঔষধ ৩০০/- সার্জিকাল উপকরণ ৩০০/-	্যাহ্য অফেরত্যোগ্য) এালোপ্যাথিক ঔষধ ৩০০/- ২ু% সার্জিকাল উপকরণ ৩০০/- ২ু%

Administrative Reform **Notice of Tender**

Military Engineer Services 1. Applications are hereby invited by AHQ, E-in-C's

Branch, Works Dte, Dhaka Cantonment for issue of tender documents for the following works by 20 March, 1993: a. Construction of 1X Lawn Tennis Court for

DSC&SC Mirpur Cantt. b. Manufacture & supply of furniture and supply &

fixing of 8 Nos Freeze against 8X'D' type qtr for foreign student officers at DSC&SC Mirpur Cantt.

c. Construction of training shed for special warfare ground at \$1&T Jalalabad Cantt.

d. Construction of 1X2 Class-I Staff qtr over existing bldg at Jhenidah Cadet College.

e. Construction of 1X8 Class-II Staff qtr at Barisal Cadet College. 2. Bonafide enlisted Contractors/Firms of class 'C' of

MES may apply for tender documents. Enlistment Index No. Class, VAT Registration No. Name of Proprietor, Pt/Ty address and Telephone No. (if any) for MES enlisted Contractors/Firms must be shown clearly in their applications. Incomplete application will not be accepted.

ISPR-37 (Army) 93/386 DFP (G) 3735-11/3

G-356

Decision of appointing **UP Chairmen TDC** chiefs hailed

By Staff Correspondent

The Engineers-Agriculturists-Doctors and BCS Coordination Committee Monday lauded the recent government decision to appoint the elected Union Parishad chairmen to head the thana development committees as an 'objective and positive development."

However, in a statement the committee expressed 'deep concern' at the decision to appoint the Thana Nirbahi Officers, a member of the BCS (Administrative) cadre, as the member-secretary of the Thana Development Commi-

A meeting of the coordination committee held at the Engineers Institution on the day discussed the government decisions taken at the National Implementation Committee for (NICAR) meeting on Sunday. Presided over by committee

Chairman Dr M A Majed, the meeting was also attended by Dr. Jamtlur Reza Choudhury, Md Abu Hena, Engineer MAK Azad, Engineer Ruhul Matin, Agriculturist Javed Igbal and

A resolution at the meeting said: "We laud the government step to appoint the Union Parishad chairmen, in a cyclic order, as the Chairman of the Thana Development Coordination Committees and the appointment of the hon'ble Members of Parliament as Advisors of the committees, aimed at making the elected representatives role a principle one, as an objective and positive development."

Expressing 'deep concern' at the decision to appoint the TNOs of the BCS (Administrative) cadre, as the Member-Secretary of the committees, the resolution read: "We fear that providing such a responsibility to a particular group of bureaucrats would again foil the move to democratise the administra-

tion as in the past. The committee suggested that the Member-Secretary and Secretary to the Chairman of the Thana Development Committee should be directly appointed on a full-time basis.



Tuesday Opening announcement

Programme summary News in Bangla Esho Pora Shikhi Mahe Ramzan, Haam'd and Mayeder Jannya

Open University Nazrul Songe 8:00 News in Bangla Drama serial Surjer Opekkhaye 10:00 News in English 10:30 Film Show E N G 11:30 Khabar /The News 11:40 Tomorrow's programme

11:45 Closing

What's on today

Ritwik Film Society

Ritwik Film Society, in cooperation with the German Cultural Centre, will screen the German film "Max Ernst", as part of its session on documentary films, today (Tuesday) at 3.15 pm at the German Cultural Centre auditorium.

Weather

No change in temperature

By Staff Correspondent

Weather forecast valid for the next 24 hours commencing 6 am today (Tuesday) says rain or showers accompanied by temporary gusty wind is likely to occur over the regions of Bogra, Pabna, Dhaka, Tangati, Mymensigh, Comilla and Sylhet. Weather is likely to remain mainly dry elsewhere over the country.

The Met office forecasts, day temperature may remain nearly unchanged over the country. The minimum temperature of 17.8 degree Celsius was re-

ported from Sylhet yesterday(Monday) and the maximum of 36.0 degree was reported from Rajshahi. The sun sets today (Tuesday) at 6.08 pm and rises tomortow (Wednesday) at 6.06 am. The maximum and the minimum temperature and humid-

ity of some of the major cities and towns of the country yesterday were: Humidity in Cities/Towns Temperature in degree Celstus percentage 41 Dhaka 34.6 22.6 87 Chittagong 77 23.3 30.2 32 Raishahi 18.3 36.0 77 37 23.7 Khulna 35.8 64 23.6 Barisal 34.4 73 23.0 Cox's Bazar 30.0

17.8

18.5

28.0

33.0

Sylhet

Dinapur

অর্থঋণ আদালত আইনে ১৯৯০ এর ধারা ৫(ক) এর বিধান মোতাবেক বিবাদীদের প্রতি নোটিশ।

মোকাম নারায়ণগঞ্জ বিজ্ঞ অর্থঞ্চণ ও সাবজজ্ঞ আদালত।

वर्ष केन (माः न१- १४०/४)। क्रुनामी व्यारक मिঃ এস, कে, खांछ नाचा, वाना ७ क्ल्या-मार्वाय्युक्त এর পক্ষে यानिकाর রূপাদী व्यारक निঃ এস, কে, রোড শখা, ধানা ও ছেল-নারায়ণগঞ্জ। — বাদী

১৷ মেসার্স পপুদার টেক্সটাইল, সাং- সেনেরচর, পোঃ মুজাফফরপুর, ধানা-জাজিরা, জেলা-শরীয়তপুর, বর্তমানে ৭৪নং ওয়াপদা রোড, রামপুরা, ঢাকা।

আৰু হায়েতু আবদুল মোভালেব ওরফে এ, এইচ, এ, মোভালেব, পিতা মৃত-হালী গয়েজ উদ্দীন কবিরাজ, ম্যানেজিং পার্টনার মেসার্স পপুলার টেক্সটাইল, সাং- সেনেরচর, পোঃ মুজাফফরপুর, থানা-জাজিরা জেলা– পরীয়তপুর, বর্তমানে – ৭৪ নং ওয়াপদা রোড, রামপুরা,ঢাকা। ৩) কাজী আঃ বাছেদ, পাটনার, মেসার্স পপুদার টেক্সটাইল, সাং–সেনেরচর, পোঃ মুজাফফর পুর, থানা–

জাজিরা, জেলা–পরীয়তপুর, বর্তমানে ৭৪ নং ওয়াপদা রোড, রামপুরা ,ঢাকা। ৪। বেগম জাহানারা, পটিনার মেসাস পপুলার টেক্সটাইল, সাং– সেনেরচর পোঃ মুজাফফরপুর, থানা– জাজিরা, জেলা–পরীয়তপুর, বর্তমানে ৭,৪নই ওয়াপদা রোড, রামুপুরা, ঢাকা। ए। वी नेनी शालान नाही, अयरक क्रमनी कानात काश- कांगा निर्देनमा इन करन, गेन-वाकात, शाः + बाना क

-বিবাদীগুণ।

পাওনা টাকা আদায়ের নালিশ তামদাদ মং–২২, ৭২, ২৩৩৫৯ টাকা

যেহেতু বাদী ব্যাংকের পাওনা ২২, ৭২, ২৩০-৫৯ টাকা এবং মোকদ্মা চলাকালীন সময়ে ও উক্ত টাকা সম্পূৰ্ব আদায় না হতুয়া পৰ্যন্ত শতকরা ১৬% হারে সুদ পাওয়ার দাবীতে আপনি বিবাদীগণের বিরুদ্ধে অত্র যোকদ্দমা আনয়ন করিয়াছে এবং সেহেতু আপনাদের প্রতি আদশ্রতের নেজারতের মাধ্যমে এবং রেজিট্ট ডাুক্ মারফ্ত সমন বারবার দেওয়া সম্বেও অপিনারা সুমনজারী এড়াইয়া যাইবার ফলে মোকদ্দমার বিচারকার্য বিশ্বরিত হইতেছে।

সৈহেত আপনাদিগকে অত্র নোটিশ দ্বারা অবগত করানো যাইতেছে যে, বাদী ব্যাংকের উক্ত দাবীর বিরুদ্ধে আপনাদের কোন জ্বাব থাকিলে উহা আগামী ইং ২০/০৩/৯৩ ভারিখে স্কাল ১০৩০ ঘটিকার সময় অত্রাদালতে হাজির হইয়া দাখিল করিবেন। অন্যথায় মোকদ্দমার একতরফা শুনানী গ্রহণ করা হইবে। স্থাদেশ ক্রমে-ল্লী পরিমল চন্ত্র কর্মকার

সেরেস্তাদার. অর্থেণ আদালত, নারায়ণগঞ