

BiharBrains Establishes Scholastic Center at Patna

On the unanimous resolution of group members of BiharBrains from all over India (branches in almost all major cities in india Delhi,Mumbai,Chennai,Patna,Bangalore,Hyderabad,Ahemedabad,Pune) and in almost all major countries (USA/UK/Germany/Australia/Singapore/Canada/southkorea/UAE/Saudi Arabia) and recommendation of Welfare committee headed by Mr. Nandan Kumar ,Research scientist at University of Leeds, UK, We decided to establish our own scholastic center at Patna (Maitri Shanti Bhawan, B.M DAS Road,PATNA Tel no: 0612-3958716) for which inauguration ceremony would be held on July 30,2005 . In the inaugural function of BB Scholastic center, all top brass of Bihar High govt and non govt high officials /CEOs from Bihar including ex- chief secy, Bihar (Mr. K.K.Srivastava), Ex VC Patna Univ(Dr. KKJha) , Three VCs namely Dr. J.Thakur, Patna University, Dr. RAJ MANI Pd. Sinha, Mithila University and Dr. A.Yadav of Bihar University would likely to be present .Apart of this , many people from all the stream are going to be invited for the inaugural function. On the arrival of Chairman Mr. Bibhuti Bikramaditya,from Seoul, south Korea ,this inaugural function has been organized by Patna local chapter headed by Dr. B.K.Sharma noted astrophysicists and lecturer at NIT ,Patna . Dr. Sharma is also the President of BB executive committee. President of the steering committee Dr. Kartik Sahay, vice president, acipharm.inc,USA(www.acipharminc.com) would also likely to be present on this occasion. On this short trip to India, Mr. Bibhuti Bikramaditya, would like to meet all interested person who would take interest in the BB activities to execute development projects. It is to be noted that BB scholastic center would be the first of its kind in Bihar established by NRIs from all over the world, educated people from different parts of India and abroad. Bihar Brains is taking the form of NGO and is a noble attempt to unite all educated people from India and abroad to come together, give ideas ,discuss on that in various committees and execute development projects. In that, help from everybody/every organization would be taken if it becomes necessary. We need contribution from all section of the society for the lager interest of the state as well as the nation.

Following are the welfare schemes and regular activities decided by Bihar brains at scholastic center.

- a. Scholastic center will have online library facilities with some magazines/international journals/articles subscribed by Bihar Brains.. We have already subscribed "Nature" in the name of Bihar Brains and other magazines, which are not available to the common mass, would be subscribed and are in the process of subscribing. Restricted members who are regular members of society and BB scholastic center providing

Rs 50/- per month will get this facility to read those international journals and articles.

- b. **Establishing GRE/GMAT/TOEFEL Center:** BiharBrains establishes GRE/GMAT/TOEFEL center at patna under BB scholastic center where Magazines/CDs/Study materials for the preparation of GRE/GMAT/CAT etc...Will be kept for youngsters.. Regular students/aspirants for this exam will have to pay Rs 21 /- per month and would get all facility at the center followed by debate/group discussion/regular seminars and daily lecture on the guidelines of the preparation of these exams. We are in the process of searching resource person and may associate with "facon de parlour for this activity. "Facon de parlour " is 15 years old organization and gain immense popularity among youngsters run by Mr. Vijay Sinha.
- c. We will have PCs with all internet and multimedia facilities at NGO office.. Organizing.. Seminars/conferences will be a part of scholastic center regular agenda.
- d. **Welfare schemes..** Following welfare schemes are going to be started by BB
- **Best live project award to one student of NIT:**
 - We can sponsor one project (idea project) from the professors/students of Bihar Engg. Colleges... slowly from next year we can move to science and Other streams
 - **Bihar Brains scholarship for POORS Child:**

A. Under personal full sponsorship program: under this category, any member of BB can choose any village school/college and give scholarship to the concerned school/student. BB would give this scholarship/award and the same amount has to be deposited by the member who is sponsoring this scheme to the BB society. We have already started this program.

Some announcements:

- a. Mr. Bibhuti Bikramaditya has announced poor child assistance plan for his village primary and secondary school . On his visit to India in the month of July, he will announce the proper plan for his scheme.
- b. Mr. Rishu Kumar, Ban galore have also announced similar activity at his village school under this program he also announced some awareness program for youngsters during his 3 months trip to Bihar,.. For that we are in the process of proper planning. And giving shape to it..
- c. Mr. Arshad Hussain from Saudi Arabia also announced Rs5000/- donation to BB for poor child assistance which he would submit in the month of Jan, 2006

B. Group sponsorship program: welfare committee of BB will search one School /colleges for this purpose and can announce the scholarship

Scheme. We may take help and suggestion from Science for society, bihar (www.science4societybihar.org) . Science for society is around 15 years old organization and mainly focusing science popularization among children. BB is going to have association with science for society for this particular area. Talks are going on and MOU may be signed on the arrival Mr. Bibhuti visits to India.

a. **Projects In queue**

PROJECT ON ELECTRIFICATION OF JHARKHAND / BIHAR VILLAGES

Why This project ? As per 2001 Census, only 43.5 % of the rural households has availability of electricity in whole India. For Bihar and Jharkhand. The situation is more worse where almost 85 % of Villages are un-electrified or there is no transformers /powers cable available. So, lets get together and and give ray of light to our fellow Biharis and Jharkhandis.

Objective: The objective is aimed at providing a viable, suitable and an alternative use of solar energy for electrification of villages in Bihar / Jharkhand. The classification of user can range from household, agricultural industries such as irrigation pumps, etc., service industries such as schools , dispensaries / hospitals, hotels, shopkeepers and hawkers.

Harnessing solar power: As India is located in tropical zone, solar energy is abundantly available most of years. Basically the energy from SUN can be used in 2 forms.

- **Solar thermal energy**

Under this, equipments are used to convert sun energy into solar power. Commonly known applications are solar hot water heat systems, solar air heating systems, solar drying systems, solar desalination systems and solar cooking systems etc.

- **Solar photovoltaic**

under this, using solar photovoltaic modules uses equipments to convert sun energy in to electrical energy. The application of this can range from powering one light to the whole village or city.

For the said project , in phase-1, we will concentrate on using solar photo voltaic application of solar power. In this, we will be using solar energy in three viable applications.

1. **Solar lantern:** It is a portable emergency light powered by sun energy. There is a solar panel of 10W, which has to be kept in the sun and through the cable plugged into the lantern. When the SUN is falling on the solar module, current is produced and it then charges the battery in the solar lantern. For a daily sun light charge, the light can be used for 4 hours everyday. The lantern consists of 7W component fluorescent light, giving a brightness of 350 lumens. When the light burns, it is possible to read and write in a room size of 100Sq.Ft.

The life of the solar panel is about 20-25 years and the battery is 3 years and the bulb is for 5 years. It is an easily affordable product for the home and absolutely maintenance free.

2. **Solar home / small premises lighting system:**

You can have 2-light fitting and a small table fan powered by solar energy. The 35W solar panel, can power this system, for every day sun light charge for 2 hours. This product is very useful as emergency light for the house and each light consist of 11 W CFL lamps. This will offer brightness equivalent to 650 lumens. Again. There is no maintenance in this product.

3. **Solar power emergency systems:**

The solar power emergency system is basically for the urban /village areas where there is frequent disruption of state electricity. You can have solar power system to provide emergency lighting or fan load in a house or shop or office or common area for apartments . They are much reliable and cheaper to have than conventional portable generators.

All the above products, can be easily retrofitted in any rooftop - either on asbestos roof / RCC roofing.

Vendors of Solar Power products:

There are lots of suppliers and vendors In India for the solar panels and other solar system. I have contacted few of them and have technically as well as commercially analyzed their products. Selection of vendors shall be done based best and cheap products and have a recommendable reference list of their products in India.

Estimated Budget:

- 1) **For solar lanterns:**

The estimated budget / cost for providing electricity by one solar lanterns each to at least houses / shops in a villages will be about Rs. 70,000 including transportation and installation of the system.

2) For solar home / small premises lighting system:

The estimated budget / cost for providing electricity to one small premises (Considering two nos. of rooms) plus one dispensary (considering one room) in 1 (one) village will be about Rs. 80,000 including transportation and installation of the system.

Supports available: Different supports are available from the Ministry of Non-Conventional Energy Sources and Indian Renewable Energy Development Agency for the use of solar energy products. These supports ranges form Micro- Finance to subsidized price of different solar products.

Note: Talks are going on for the generating fund from other donor agencies. The association with Science for Society ,Bihar will certainly give some direction to this project to be executed in the future..

Fishery Project: Under this project, a team of scholar from CIFE (Central Institute Fishery Engineering will train the fisheries farmers of Bihar to culture shrimps and other fishes. They are ready to give all their time, and energy to make people aware of the benefits of the fisheries technology as a better means of production.

On Mr. Bibhuti visit to India, BB organizes meet at Mumbai on July 23 where all research scholars of IIT, Mumbai and CIFE would submit its report for the fishery project. On the prima-facie report, BB will decide the next course of action.

Some members have already announced their contribution given as under:

- a. Raju Pandey, Hyderabad: some CDs/soft wares
- b. Bibhuti Bikramaditya, Seoul: CDS for GRE/GMAT/Books (all books donation to BB), JOURNALS Online free related to VLSI/Embedded systems/contribution in nature
- c. Nandan Kumar, UK: contribution in nature, Some CDS ..
- d. Ram Raj Pandey, Pune: material for GRE/GMAT/TOEFEL, All his engg./books
- e. Samir Kumar Mishra, Australia: some softwares, Books related to computers/ Feynman lectures(physics) and other materials..
- f. Rishu Kumar, Bangalore:
- g. Avinash , USA: His all books will be donated to BB
- h. Abul farah,seoul: CDs and online article and free subscription to journals..

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