



Michael Madhusudan Memorial College

Affiliated to Kazi Nazrul University, Asansol

(Government Aided UG/PG College)
Kabi Guru Sarani, City Centre, Durgapur -713216 W.B.
(Assessed & Accredited by NAAC in Cycle 2)

Ref. No.: MMMG/CMERI/1775/2021,

Date .: 05-10-2021

To

The Director,

CSIR-Central Mechanical Engineering Research Institute,

Durgapur

Sub: Invitation for signing MOU under Green initiative

Dear Sir

In order to mark the onset of a great academic era, Michael Madhusudan Memorial College (MMMC), Durgapur invites your highly renowned institute to sign a Memorandum of Understanding (MOU) with us. Michael Madhusudan Memorial College came into being on the 26th of August, 1996. The journey began with a strength of small number of students. Presently our College is one of the leading educational institutions of Paschim Barddhaman with a student strength of above 3000 at the prime location of Durgapur. It is affiliated to the Kazi Nazrul University and is dedicated towards providing both general and add-on course based education to the learners. The College has been re- accredited with grade "B" by NAAC in 2016. At present there are 20 departments in two shifts with post-graduation facilities being available in the Dept. of English. The college is also successfully running professional courses like BBA and BCA to meet the requirements of the changing times. We offer both classical chalk & Talk as well as ICT and online mode of multimedia classes for advancement of teaching.

A MOU between our College and your Institute would be a great learning opportunity for our students who would be able to gain first-hand knowledge in the applicative fields of environment.

We propose to send our students on a regular basis round the year to your institution for participating in the water analysis and other suitable workshops conducted by the CMERI. The cost of participation would be borne by our students. In the process they would learn about the various laboratory techniques and observe various modern instruments in action. The regular presence of our students will definitely help in the smooth continuation of aforesaid workshops on your behalf.

It would also be a tremendous learning opportunity for our students if they visit industrial centres under your guidance as industrial exposure is the need in the context of skill development and implication of the subjects like Microbiology, Chemistry, Zoology etc., what they are studying in their regular curriculum. We also seek your expertise in the field of R&D related to the promotion and application of eco-friendly technologies. A mutual cooperation in such a sector would be of invaluable service to the society.

We would also request your august presence and the advice of your Experts during the celebration of days of environmental significance. Such celebrations would go a long way in the creation of mass sensitization related to the present and the future problems of the environment.

The aforesaid proposals on fructification will set ablaze an era of knowledge sharing between this College and your Institute. Not to mention it would strengthen the relationship between MMM College and CMERI whose foundation stones would be laid mutual cooperation and zeal to achieve a win-win situation for both the participants. Looking forward to your kind cooperation.

Thanking you, yours Sincerely,

PRINCIPAL

Principal
MICHAEL MADHUSUDAN MEMORIAL COLLEGE
City Centre, Durgapur-713216





পশ্চিমবঙ্গ पश्चिम बंगाल WEST BENGAL

AC 575064

THE MEMORANDUM OF UNDERSTANDING

THIS Memorandum Of Understanding is made on this 8 day of October..., 2021 at CSIR-CMERI between

COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, a Society registered under the Societies Registration Act (XXI of 1860) and having its Registered Office at Anusandhan Bhavan, 2, Rafi Marg, New Delhi – 110 001 (hereinafter called '**CSIR**' which expression shall include its successors-in-interest and assigns) of the one part;

AND

Michael Madhusudan Memorial College, located at **Durgapur**, India and having its campus at Kabi Guru Sarani, City Centre, Durgapur, WEST BENGAL, PIN- 713216, India (hereinafter called 'MMMC' which expression shall unless repugnant to the context includes its successors and assigns, of the second part;

However for any reference on execution of this agreement on behalf of the CSIR on all developmental matters, CSIR-Central Mechanical Engineering Research Institute, a constituent laboratory under CSIR having its office at Mahatma Gandhi Avenue, Durgapur-713 209 (hereinafter called CSIR-CMERI) may be referred in the first instance.

क्षिक ल् -
第四- 13-5-2021
CETOR AND SIR-CMERI
गार-
211-11- JUG P713209
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₹ ¹ 50, ∞
न्नाम्म लाखात शिंग्या वर्ष
গহাজলঘাটী, বাকুজা

1. PREAMBLE

- CSIR-CMERI is one of the constituent laboratories of CSIR having expertise in Advanced Manufacturing, Near Net-shape Manufacturing, Micro-system Technologies, Advanced Materials Processing, Advanced Design & Analysis, Surface Engineering and Tri'bology, Robotics and Automation, Energy Research & Technology, NDT and Metallurgy, Condition Monitoring, Residual Life Assessment, Drives & Control & Electronics with proven track record in product and process development for engineering applications, is also engaged in the high end technology areas.
- 1.2 MMMC is a Government aided UG and PG College established in 1996 and presently is one of the leading educational institutions of **Paschim Bardhaman** with a student strength of above 3000 in each academic session. It is affiliated to the Kazi Nazrul University and has been re-accredited with 'B' by NAAC in 2016. At present there are 20 departments with post-graduation facilities in dept. of English. The college is also running professional courses like BBA and BCA to meet the requirements of the changing times. The college is also offers both classical chalk and talk as well as ICT and online multimedia classes for advancement of teaching.

To promote great learning opportunity for the students who would be able to gain first-hand knowledge in the applicative fields of environment and to extend the knowledgebase and infrastructure of **CSIR-CMERI** as a part of the **CSIR** Integrated Skill Initiative, the two institutions, i.e. **CSIR-CMERI** and **MMMC** agree to the following broad terms of co-operation.

NOW IT IS HEREBY AGREED AND DECLARED BY AND BETWEEN THE INSTITUTIONS HERETO AS FOLLOWS:

2.0 SCOPE OF MoU

- 2.1 Both the Institutions will support each other's endeavors in delivery of industry-ready skilled youth force through the following though not limited to:
 - a. Hands-on skill promotion to~ 100 no. of students per year on "Water Quality Assessment"
 - b. Jointly organize skill development programmes and events such as seminars, workshop, conferences
 - c. Exchange of information for conduction of need based skill development programmes in response to students requirements
 - d. Any other matter(s) as agreed which are not covered
- 2.2 Both Institutions acknowledge and understand that all financial arrangements would be borne by the students (training fee = Rs 800/student) and deposited by the college to CMERI on prior to each training program on *Water Quality assessment*.

- 2.3 No Institution shall have the right to use the name or logo of another Institution without the prior approval of that Institution in writing.
- 2.4 The terms of this MoU may be modified / amended at any time subject to mutual written agreement. Such modifications/changes shall be effective from the date on which both the Institutions execute them in writing.

3.0 RESPONSIBILITIES OF BOTH THE INSTITUTIONS

- 3.1 **CSIR-CMERI** shall conduct the skill development programmes at **CSIR-CMERI** premises and shall also make available the necessary infrastructure and facilities for accomplishing the above laid down objectives.
- 3.2 **MMMC** shall depute batches (**100 students/year**) of UG and PG students for undergoing training at CSIR-CMERI at mutually identified time periods throughout the year.
- 3.3 **MMMC** shall also pay the training fees to **CSIR-CMERI** prior to the commencement of each training programme.
- 3.4 **MMMC** shall also ensure requisite discipline within the deputed student batches and financially compensate for any damage to machine and property, if any, incurred during the training.
- 3.5 **CSIR-CMERI** shall provide accommodation for the students, if required, during their period of training at **CSIR-CMERI** and shall extend the canteen facilities to the students on a paid basis.

4.0 VALIDITY

This MoU shall be in full force and effect from the date of signature hereof for a period of 3 years. Either organization may terminate this MoU at any time by giving six months notice in writing to the other. In the event of termination, programmes under way shall be allowed to be completed according to the terms that have been agreed upon.

5.0 ARBITRATION AND JURISDICTION

In the event of any dispute or difference between the Institutions hereto, such disputes or differences shall be resolved amicably by mutual consultation or through the good offices of empowered agencies of the Government of India. If such resolution is not possible, then, the unresolved dispute or difference shall be referred to Delhi International Arbitration Centre (DIAC), Delhi High Court, New Delhi.

IN WITNESS WHEREOF the parties have caused this MoU to be executed by their duly authorized officers on the respective dates and at the respective places hereinafter set forth.

Signed for and on behalf of CSIR	Signed for and on behalf of MMMC
Council of Scientific & Industrial Research, Anusandhan Bhawan, 2, Rafi Marg, New Delhi-110 001	Kabi Guru sarani, City Centre, Durgapur, WEST BENGAL, PIN- 713216, India
Seal: डॉ अंजली चैटर्जी / DR. ANJACI CHATTERJEE मुख बैज्ञानिक व प्रमुख / Chief Schintist & Head ब्यवसाय नवाचार एवं कौशल विभाज/Business Innovation and Skills सी एस आइ आर केन्द्रीय वांत्रिक अभिवांत्रिकी अनुसंघान संस्थान CSIR-Central Mechanical Engineering Research Institute दुर्जापुर-९ / Durgapur-9, पश्चिम बंजाल / West Bengal	Seal: DR. G. M. HELALUDDIN Principal MICHAEL MADHUSUDAN MEMORIAL COLLEGE Kabi Guru Sarani, City Centre, Durgapur-713216
Date: 08.10.2021	Date: 08, 10, 2021
Signed at: CS IR-CIMERI	Signed at: CSIR - CMERI
Dr. BISWAJIT RUJ Sr. Principal Scientist & Head Environmental Engineering Grandress) CSIR Central Mechanical Engg. Research Institute Durgapur-713209 (W.B.) India	1. Witness (Name & Address) Whethuly way Dh. KIRAT KR. GANGULY A set. Porofesson, HOD, Microbinloy MMM Collye. 2. Witness (Name & Address) J. Clatterfel DHAN AN JOY CHATTERJEE MMM COLLEGE.

Dr. Rashmi Ranjan Sahoo

Principal Scientist, Environmental Engineering Division CSIR-CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE M. G. Avenue, Durgapur-713209 (W.B.) India



পশ্চিমৰুগ पश्चिम बंगाल WEST BENGAL

17AB 921586

MEMORANDUM OF UNDERSTANDING (MOU)

BETWEEN



Michael Madhusudan Memorial College, Kabiguru Sarani City Centre Durgapur, West Bengal, India PIN- 713216

And



Next Generation Scientist Private Limited, Lucknow, UP, India FOR

ENTREPRENEURIAL SKILL DEVELOPMENT, OUTCOME BASED TRAININGS AND RELATED SERVICES

Generation Scientist (OPC) PM. Ltd.

Shaway 29-11-24

Director

Ram Prasad Banerjee Stamp Vender A.D.S.R. Office, Durgapur-16 Licence No-1/93

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter called as the 'MOU') is entered into on this the ? Thousand and Twenty One by and between

Michael Madhusudan Memorial College, Kabiguru Sarani City Centre Durgapur, West Bengal, India PIN- 713216, THE FIRST PARTY represented herein by its Name of Competent Authority / Representative

AND

Next Generation Scientist Private Limited, Lucknow, UP, India, THE SECOND PARTY represented herein by its Name of Competent Authority / Representative

PURPOSE OF MOU

In particular, this MOU is intended to

- 1. Exchange Academic Knowledge and information
- 2. Exchange of Technical Experts and Information
- 3. Mutually receive Educational visits by Faculty Members and Researchers
- 4. Conduct Joint Research Projects
- Conduct of Short-Term courses related to Bio-informatics for the academic development of the students.
- 6. Organize various workshops
- 7. Conduct practical trainings
- 8. Generate self-employment opportunities
- 9. Assist the students in establishing various start-ups
- 10. Assist the placement of trained students
- 11. The institution will set up its BioScience Excellence Centre in the college

DR. G. M. HELALUDDIN

MICHAEL MADHUSUDAN MEMDRIAL COLLEGE Kabi Guru Saran, City Centre, Durgapur-713216

For Next Generation Scientist (OPC) PVI. Ltd.

MICHAEL MADHUSUDAN MENDRIAL COLLEGE Kabi Guru Sarani, City Centre, Durgapur-713216

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:

Clause: 1

CO-OPERATION

- 1.1 Both parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations. The parties shall keep each other informed of potential opportunities and share all information that may be relevant to secure additional opportunities for one another.
- 1.2 The co-operation between First Party and Second Party will facilitate effective utilization of the intellectual capabilities of the Second Party providing significant inputs to them indeveloping suitable teaching/training systems, keeping in mind the needs of the First Party.

Clause: 2

SCOPE OF THE MOU

- 2.1 Both parties believe that close co-operation between the two would be a major benefit to the student community to enhance their skills and knowledge.
- 2.2 The Second Party will give valuable inputs to the First Party in teaching/ training methodology so that the students fit into the industrial scenario meaningfully.
- 2.3 The interaction between Next Generation Scientist Private Limited and Michael Madhusudan Memorial College will give an insight into the latest developments/requirements of higher studies; the Second Party to permit the Faculty and Students of the First Party to visit its institution and also involve in workshop for the First Party. The industrial training and exposure provided to students through this association will build confidence and prepare the students to have a smooth transition from academic to working career.
- 2.4The First Party will provide its Laboratories for the hands-on training of the learners of the First Party as well as the participants with the Second Party while conducting Short-Term courses and workshops, etc.
- 2.5 The Second Party will train the students of the First Party on the emerging technologies in order to bridge the gap in skill and make them ready for industry.
- 2.6 The Second Party will extend the necessary support to deliver guest lecturers to the students of the First Party on the technology trends and in house requirements.
- 2.7 The Second Party will actively engage to help the delivery of the training and assist placement of students of the First Party into internships/jobs.

neration Scientist (OPC) PVL Ltd.

See Level 12-21

Director

Clause: 3

VALIDITY

- 3.1 The validity of the agreement is five year from the date of agreement.
- 3.2 Both Parties may terminate this MOU upon 30 calendar days' notice in writing. In the event of Termination, both parties have to discharge their obligations.
- 3.3 Any dispute will be settled under the jurisdiction of the Durgapur Court.

AGREED:

For

Michael Madhusudan Memorial College, Durgapur

For

Next Generation Scientist Private

Limited, Lucknow

DR. G. M. HELALUDDIN

Principal

MICHAEL MADHUSUDAN MEMDRIAL COLLEGE

Kabi Guru Sarani. Cita Centre Durana

Kabi Guru Sarani, Gib Centre Dugapur-713216 Authorized Signatory

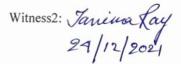
For Next Generation Scientist (OPC) Pvt. Ltd.

Authorized Signatory

Michael Madhusudan Memorial College	Next Generation Scientist Private Limited
Kabiguru Sarani City Centre Durgapur, Wes	4,Saraswatipuram,Gomtinagar Extension
Bengal, India PIN- 713216	Lucknow-226010, Uttar Pradesh
Contact No. 0343 2566700	Contact No-9005786666,9889882777
principalmmmc@gmail.com	ngsbiology@gmail.com
www.madhusudancollege.in	ngsdp.in

Witness 1: Wygayy . 24/12/2021

Department Of Microbiology MICHAEL MADHUSUDAN MEMORIAL COLLEGE City Centre, Durgapur-713216











eful of enhanced ome for the erprivileged that will them access essities such as thcare, education, and



gy for inclusive social onomic growth of the atry."

The webinar also had a cl discussion by lemicians Professor SN tathi, IIT Kanpur; Ajaynkar, Distinguished ow (TERI); and cessor Farzana Afridi, an Statistical Institute. panelists lauded the ct of MoP&NG for the ctive implementation of

the PAHAL scheme and hailed PMUY as a social investment scheme. They highlighted their research and surveys about PMUY and shared their findings on how it has bettered the lives of rural women by improving their health and giving them time to engagin financially fruitful activities.

Kushagra Mittal,
Deputy Secretary (LPG),
MoP&NG, discussed the
challenges faced in the
PMUY journey. He also
shared how at every step,
the documentation
requirement for getting a
new gas connection was
eased to ensure LPG is
accessible to all.

The webinar concluded with sharing of experiences by senior executives from Oil Marketing Companies on how reforms have led to accountability, enhanced improved competition, levels service and reduction in customer grievances. Anuj Kumar Jain, Executive Director (LPG), HPCL; Santosh Kumar, Executive Director (LPG), BPCL; and Mr. CGM Lakshminarayan, (LPG- Sales), IndianOil, participated in the panel discussion.

ugurated in CLW

7's proactive step in alling the plant. Satish nar Kashyup,General



ager, Doctors & Sr cers were present on the

occasion. Later, Dr Sarkar flagged off & dedicated to the Nation WAG-9 HC No.33289 locomotive from CLW siding. Mr Kashyup & Sr Officers joined Dr Sarkar in flagging off the locomotive. In his brief address to the gathering, heappreciated the fact that CLW is the world's leading loco manufacturer and congratulated all for their efforts in making locomotives.

This PSA based oxygen plant will generate 570 lit/min medical grade oxygen which is equivalent to 117 Jumbo Oxygen cylinders per day. This system will meet the demand of oxygen in anticipated 3rd wave and day today oxygen requirement in ICU and OT.

sightsafety

call health of the comian glands

Not controlling letes and hypertension not going for regular aal checkup's can cause of vision from nopathy

Being aware that other ases like Rheumatoid

ritis can cause problems Dry Eye disease is ortant family history of diseases like Glaucoma which can be hereditary can lead to blindness as regular eye check ups are needed Also, periodic eye check-

*Not knowing ones

Also, periodic eye checkup is essential. Any form of eye irritation, pain or other observed issues should be taken immediate ore f. (Ophthalmologist, Fortis Hospital, Kolkata) works on 25, September and the test run was successfully done on that day itself.

Hosco Pvt. Ltd finished the pipeline connection, training for security and staffs was successfully conducted and 250 KVA dedicated transformer was also installed recently (DIPR) between WWW college

OSIR-CMERI Industry-Press Interactive Meet held

EOI CORRESPONDENT

DURGAPUR, OCT 8/-/CSIR-CMERI organised an Industry-Press Interactive Meet on 8th October 2021 in the distinguished presence of Prof. M.S. Unnikrishnan, Chief Executive Officer, IIT-Bombay Monash Research Academy, Mumbai & Former MD & CEO, Thermax Ltd; Prof. Harish Hirani, Director, CSIR-CMERI; Dr. Srinivasan Duraiswamy, Vice-President, New Technology Business Development, Reliance Corporate, Mumbai and Dr Lipika Dey, Tata Consultancy Services, Research and Innovation. A Memorandum of Understanding was also signed on 08 October, 2021 between CSIR-CMERI, and Michael Madhusudan Memorial College, Durgapur for Hands on skill promotion to students on Water Quality Assessment, toorganize joint skill development programmes, and events such as seminars, workshops, conferences and



exchange of information for the Youth.

The CSIR-CMERI indigenously developed Solar DC Cooking System was demonstrated to the distinguished Guests in the presence of the Media representatives in the CSIR-CMERI Sustainable Kitchen.

The CSIR-CMERI developed Solar DC Cooking System is a Solar Energy based Cooking System which consists of solar PV panel, charge controller, battery bank and cooking oven. The technology provides a Clean Cooking Environment, Invertor-Less Direct Operation, Fast and Uniform Heating and effective handling of Voltage Fluctuations.

Prof. Unnikrishnan while interacting with the members of the Press shared that CSIR-CMERI has been steadily leaning towards developing a Science-Leveraged Ecology and Society. The tremendous accomplishments of CSIR-CMERI in the recent years have been making an impact in the country and the same is also reflected in the premises of CSIR-CMERI which houses the Prototype of these Technologies. Today when there is a huge demand for pollution causing LPG, it is very important that Sustainable Alternatives are explored

for the future. The CSIR-CMERI developed Solar DC Cooking System is a perfect specimen of a Clean and Green Alternative. The Solar DC Cooking System once channelized to the Market can be a Big Technology Breakthrough for the Nation. India depends heavily on LPG



Imports and such a Renewable Option can alter India's Energy Needs.

Prof. Hirani shared that besides the huge Import Bills for LPG, it may be a source of Indoor Pollution. The CSIR-CMERI developed Solar DC Cooking System is a novel and path-breaking alternative to LPG. The performance of the System is better compared to LPG based Conventional Cooking Systems. CSIR-CMERI is working towards upgrading the aesthetics and ergonomics of the Technology. The technology is available in both domestic as well as Community scale. The Coil Design for the System has been developed to effectively tackle Voltage Fluctuations. The design of the Technology is simple to facilitate Ease-of-Manufacturing, however CSIR-CMERI has worked upon Innovative Integration of these Sub-Systems. The technology has already been transferred to two Enterprises and further dissemination of the Technology to the market will help improve the general acceptance of the same in the Society. The popularizing of the Technology may also help India achieve its ambitious Solar Energy target of 150 Giga Watt. This technology may give a boost to the Job Scenario by improving the prospects of the Micro-Scale Manufacturing Enterprises and consequently improving the Job-Scenario.

The CSIR-CMERI developed Integrated Municipal Solid Waste Management Technologies, Waste Water Filtration Plant for Agriculture/Pisciculture, World's Largest Solar Tree, Centre for Advanced Manufacturing and Metrology Group, Aero-Systems Laboratory, Water testing Laboratory, Mechanized Scavenging System, Farm Machinery Training and Testing Centre and Sustainable Kitchen were also

emonstrated to the distinguished guests.

Dr.G.M. Helauddin, Principal, Michael Madhusudan College, Durgapur, shared that this MoU between the two Institution will tremendously help in benefitting the young minds of the M.M. College as they would get access to the State-of-the-Art Technology Infrastructure and learn about the latest advancements in Science & Technology.



For TV, e-paper & news visit: www.live7tv.com 12 Kolkata, Saturday 9 October 2021

Houses collapse in high tide of Hogal river in Basanti

Basanti: The new moon is no over Due to this tidal waves have broken out in Hogal River of Sundarbans. The river suddenly collapsed for the high tide Several houses on river-banks began to collapse. By noon on Friday, 30 houses have collapsed after the erver tide. The incident took place in Radhabillavpur area of Basanti in Sundarbans. Receiving the news, administra tion and irrigation department officials have reached the spot. Residents have been evacuated from that area.

According to local and admistration sources, bank of the Hogal river was reported to have broken on Friday moming. Houses on river-banks also tarted collapsing as there was a lot of corrunt in the river at high tide. About 30 houses collapsed by noon. As the news spread administration evacuated all river-side residents and placed them in local schools and relief camps. At the same time, Irriga-

Metro Railway

to tighten

security during

Durga Puja

MI News Service, Kolkata: Metro

on North-South Corridor and 60 sur-

vices on East-West Corridor on Sap-tami the October 12th, Astami the

October 13th and Navami the Octo-

ber 14th for benefit of commuters. In order to provide better services and ensure passanger safety, Metro Rad-way is going to strengthen its society

arrangements by opening RPF Assis-tance Booths at Diskshineswar, Dum

Duns, Sovabazar-Sutamiti, Central,

Jates Dan Park, Kalighat, Rabundra

Sarobar and Gitanjali Metro stations.

Five Quick Response Teams (QRT) and Disaster Management Teams are

going to be deployed at different sta-tions to tackle emergency situation. Lady RPF teams will be deployed in

ing trains and stations to cr

safety and security of ladies and chil-

dren. Random Train Escorting will be

conducted to prevent any unwanted

meident. Anti - Sabotage check will be conducted with help of smiller dogs

Medical booths will be kept open

at Dum Dum, Sovabazar-Sotannti A.

Kalighat stidious to help pussongers.

ployed at all Metro stations to provide

proper guidance to the commuters.
All COVID protocols will be followed strictly in Metro premises.

nate number of staff will be de

and security gadgets.



repair the dam quickly. However, due to strong currents in river, workers could not perform well. BDO Basanti Snugata Saha said. There is always a huge current in Hogal river. Probably due to

es collapsed. The dam repair has started. The whole situation is under senitiny. Local MLA Shyumal Mandal rushed to spot After fouring the area, he said people from affected area. Local

Freight loading and earning

of ER gear up in Sep '21
MI News Service, Kolkuta: The freight loading and freight carnings
performance of Eastern Railway during September '2021 is networths.
During September '2021, Eastern Railway succeeded in loading 5.57

million tomes of freight traffic as against 5.02 million tennes leaded during the corresponding months of the last year. It registers an increase

of 10 90% over that of last year. During September 2021, Eastern Railway succeeded in carring ?

452.74 cross from freight traffic as against 403.49 cross carned during the corresponding period of last year registering a growth 14.68% over that of last year.

From April to September 2021, Eastern Railway succeeded in load-

ng 35.15 million tonnes of freight traffic as against 28.58 million tonnes

leaded during the corresponding period of the last year registering an increase of 22.99% against that of last year. In the field of freight earnings from April to September 2021 cannot 8

2747.86 crores as against 2040.42 croses cannot during the coronsymml-ing period of last year denoting a growth of 34.67% over that last year

The above freight loading performance of Eastern Railway denotes its neces commitments to maintain backers! supply chain and to dispatch

beight commodities in different parts of the country faster to suit the

Cultural meet at Chunchura

MI News Service, Kulkatta: A pleasure cumma meet sand Majounder, the half of Hooghly Chunchers Pragati Saragha, MLA Asit Majounder, Guiri Kanta Mikherjee and Manoumi Basu Chatterjee were preparated to the Comment of Majounder Majounder Sugara Camer-MI News Service, Kulkatu: A planum cultural most was conducted at

Guin Kanta Mikherjee and Manusum mean Chancepe. Suggest Ganet-occasion of Swarashran Callural Academy, Musician Suggest Ganet-pels songs enriched the audience. Apart from Arpda on and Nomita Dev of the organization, performances of Archafortanepee and Pratama See were commendable. Children's solo to audious and performance.

Kirlkata: CSBL-CMERI organi

an Industry-Prose Interactive Meet on October 8th 2021 in presence of Prof. M.S. Urunkenbrum, Chief Ex-

centive Officer, ITT-Bombay Mounts

Research Academy, Monthui & Former MD & CEO, Thornus Ltd.

Prof. Humb Himm, Director, CSIR-CMERL Dr. Srinivasan Duzarwamy. ur-President, New Technology ones Development, Reliance Cos-nt Months and Dr.LipskaDey.

posts Marthe and DELepsador, Enta Line Basey Services, Recuents and Interest A Monoundam of Understanding Wester agreed on Oc-tober 8, 2021 between STE CAERI, and Michael Madhamalar Maring

College, Durgapor for Hands on skale promotion to students on Water Qual-

ity Assensment, to organise joint skill development programmer, and events

such as summan, workshops, confin-caco and exchange of information for

the Youth.

gram punchayat has arranged for their stay and food. Talks have begun for the rehabilitation of newly homeless people. The Irrigation Department is looking into whether there was any damfor the last few days."

Traffic and power block at Mogra Stn

MI News Service, Kolkata: For the construction of Road Over Bridge at Mogra, 180 minutes (11.45 hrs. to 14.45 hrs.) Traffic and Power block on both Up and Down line at Mogra station has been planned on Saturday the Oc-tober 9th 2021. Consequently, the following arrangement in train run-rang have been made:

 03028 Azimganj-Howath special (on October 9th) will be diverted via Dunkon-Bardilluman with stoppage at Kamarkunda. •03105 Sealdab-Ballia special (on

October 9th) will be controlled for

New LHB rake for Kolkata-Jammu Tawi Spl

MI News Service, Kolk-ata: 3rd rake of 03151/03152 Kolkata-Jammu Tawa special (13151/13152 Kolkata-Jammu Tawi Express) will be converted to LHB rake (from conventional ICF rake) with effect from Oc-tober 11th 4

tively: LHB coaches have advantages of being more spaceous and comfortable with augmented passen-ger amenities and wider windows for basile-free journey from safety

Calcutta HC approves of government grant to clubs

MI News Service, Kolkata: The Calcutta High Court has given the go shead to the Puja grant case to various clubs by the State government. The High Court has directed the government to issue guidefines on how the clubs well spend the money. If the State does not more guidelines within the etquilated time, the clab authorities will be able to spend the grant as per last year's guidelines. They will also have not a report to the High Court.

Before Durga Paja, Chief Minister Mamata Hancryce amounced a grant of Ro 50,000 to the clubs. A notification of Rs. 201.91 grove has already been issued for grants to a total of 40,382 Papa committees in the State. A Public Interest Litigation (PEL) was filed against the government. The case was beard in the Calcutta High Court on Friday.

During the hearing, the High Court asked why the chils were being giv-en grants in the pandemic situation in response to the question, Advocate General Soumendramath Mukherjee said that clobs stand by the people at all times. They have done a lot for the common people even in COVID crisis. The decision was made to help the clubs in their public welfare work. The High Court then gave the go-ahead in

the grant some However, the High Court has said that the State government will have to sesse guidelines as to in which segment the money will be spent. If the guide-lines are not issued, the grant will have to be spent like list year. A report on which segment the grant was spent on must be submutted to the Calcutta High



'Fugitive' leopard

caped from Thurgram mini 200 cage on Thursday was restled inside the zoo itself. He was found in the zoo nes on Friday morning but has not been caught set. The cage has been set up to catch the leopant, and see afternot is being made to bring it made the cage. Sleeping shots are also ready, which will be used if necessary, according to the Forest Department. The occape of the keopard caused so much pame that a team from Kolkata went to Jhargman. It examined the

keepand's footprints in the forest and started searching Intense passe special in the area after the leopard es caped from the mira zoo on Thursday night. The city of fluorent became empty in a very short time. The shops were closed. Police and fount officials started miking to warn people. Foresten were also skeptical about whether the leopard came out of the 200 premises and showed up at the locality. Immediately, howev-er, the forest officials nathed to find the leonard.

ours, the leopard was found in the forest. The in tial guess of the forest workers was that even though it escaped from the cage, it could not go far in the darkness of the night. It might have fallen indeep in the jungle. In the morning, part of the leopard was seen. The search turn then confirmed that it was imide the zoo premises. Birbahi Hamda, Minister of State for Forest and MLA of Diargram, said that the leopard was noon inside the zoo and efforts were

being made to cage it. However, after some time, the looping was cage by sleeping shots. According to the Forest Department, the leopard will be examined. The animal did not cross the jungle to the locality, much to the relief of fourters and local residents. However, due to the incident, the Forest Department has assisted a noti-

spotted inside zoo

Jalsa in memory of Choto Huzur Pir Rah at Furfura

Kolkata: The annual leade Swab Mahili of Harnst Chineta Flurur Per Rob of Furfana Dustur Sharif was held on Finday. All his sons con-ducted this prayer meeting in the memory of Aseko Rassal Pir Sahib

It is to be mentioned that this is the first big religious meeting in Furfura Sharif after the Corona epidenic. However, the court advised all the fans to particule the meeting with marks and follow the restriction protocols.

Every week in Fridays and Sundays these are always a crowd of religious people in Furfura. All som-grandsom of the late Huzur includess Per Haerat Abdullah Hill Pir Ismail Saldiqui, Pir Abdus Sal-tur Siddiqui, Pir Taber Siddiqui Pir Hasun Saldiqui and Pizzada Taha Saddapa attended the event On one hand they get a festive al-morphers and on other, harmony specches from seligious gurns. In



He is better known as Sultanul Wayezin Pir shaheh Ele did not have a high degree in general ed-scation. But his splendid speeches speak about his knowledge and his out the boundary of out the performed. He social service encounts I beopte to walk in the path of testin seach reli-gious meetings. He was a to what oul especially for orphans

1920 in Furfata Sharif. He pussed



That is why prayer meetings organised in his memory in the me Ashwin. Puetzada Saferi Siddiqui Samodlah Peerzuda Saohan Siddiqui, Peer enda Tahabib Siddiqui, Poerzada Nurullah Siddiqui, Poerzada Musshid Siddique, Peerzuda Hozada Siddsqui and Potezada Saud Siddique were also prevent in this body

Minuster for Minority Affairs

Salab need to be properly dissum-insted. Wishing the meeting a succon, minister congratulated every ine as Muhurak This traditional Juleha starts in

Finday evening. The meeting lasted till midnight. Many emissing per-sons were present and various leadon came to particupte the prayer At the end of meeting, presum of fored for welfare of ent race. Hilestings sought for peace and harmony in the state.

PSA Oxygen plant inaugurated in CLW



MI News Service, Chittarunon of "One PM Cares Funded UT, by PM, Narendra Modi from Rishikesh, on October 7th 2021 PSA Oxygan plant at KOHoss petal promoses in Chittaranjan stive Works (CLW) also mangurated by Dr.Subhas Sarkar. Menster of State for Education Govt. of India vsa Video link. # Bidhan Upadhyay, M.A. Satish Kamar Kashyap, Oeneral Man-agar Cl.W. Sr Officers & Doctors were also present on the plant site & poinced live telecast of event at Rodskesh via video link.

la afternoon, Dr. Subhas Sarkur. Minister of State for Education. Govt. of India visited CLW He visited the PSA Oxygen plant at KCi Hospital & addressed the at KO Hospital & addressed the gathering. He appreciated CLW's proactive step in installing the plant. Satish Kumar Kashyp, Genural Managar, Doctors & Se. Officers were present on the occasion. Later, Dr.Sarkar flagged off & dedicated to the Nation WAG-9 HC No 33289 locumo-tive from CLW siding. Satish Ku mar Kashyup, General Manager CLW & Sr. Officers joined Dr. Sarkar in flagging off the locumotive. In his brief address to the gathering, he approciated the fact that CLW is the world's leading locs manufacturer and congrafa-lated all for their efforts in mak-

ing locomotives. This PSA based oxygen plant

will amerate 570 litimin medical grade oxygen which is equivalent to 117 Jumbo Oxygon cylinders domand of staygen in anticipated led wave and day to day recygen requirement in ICU and GT The Technology of PSA

hased oxygen plant
•Pressure-Elevated pressures are

eded for the process, mountly

. Swing-While one vessel is beg pressurised, the other vessel is sng depressurised Adsorption-Separation of at-mospheric air is done with the

PSA principle; oxygen is separat ed from the oir through adsorption process. Two pressuring vessels with zeolife emure conwoos production for separation of oxygen from other gases

Advantage of PSA based oxygen plant

The process of the PSA tech-nology (pressure swing ad-sorption) is an extremely clean operation. Air is the only 'eaw masterial*

It can produce oxygen emits me of choice, and in the quantity and quality of preference. No more waiting for external suppliers or paying excess praces for

for producing Oxygen.
The PSA process is continuously repealed to provide as uninterrupted supply of oxygen with a parity of 93 to 3 %.

MOU signed between CSIR-CMERI and MM College MI News Service, Durgapur



Monath Revearch Ac & Former MD & CEO, Thomax Lat. while interacting with Press members sheed that CSIR-CMERS is developing Science-Levengral Ecology and

hage Import Bills for LPG, it may be a source of Indoor Pollution. CSIL metric to LPG. The performa of the System is better compared to Systems. The technology has already

same in the Society. The populations of the Turbuology may also help ledia achieve its ambitious Solar Energy for get of 150 Gign Wolf. CSBL-CMERI developed Into

grated Municipal Solid Warle Man-agement Technologies, Warle Water Filtration Plant for Agriculture Prec-culture, World's Largest Solar Tree, Corpe for Advanced Manufacturing and Metology Group, Agro-System Laboratory, Water testing Laborato Farm Michigan Saverging Systems, Mechanical Scaverging System Farm Michigany Trumpa and Johns Confue and Stattaruble Systems were also demonstrated distinguished

guests. Michael Malbarutan Dungapur, shared this MoU between two limitation will termendously hulp in benefitting young minds of M.M. College as they would get access to State-of-the-Art Technol-

A gala event organised by World Mixed Martial art council



MI News Service, Kolkata/ Huddersfield: World Mrud Martial Arts Council organized an award coremony in partnership with Radio Paigham to raise money for global relief. This gala-event was hold at Sher e Akhar nostaurant in in Englund's Huddor-sfield town. Where Grand Master Nisar Smiler of Radio Phigham, Fazal Rehman, Baji Shahoun, Abi-da Haq and Nayma Hossam has raised £27,000 (27,000 pound) for the Modas Global relief. In this programme Fazal Rehman and

Shahorn Masood received a life decades of charge work. Toward was the recipient of the medi-Grand Master Derek Willoughb was awarded his 7th Das Black belt in the discipline of Karate Journa Elvidge was awarded a special achievement award by World Mixed Martial Arts Council as a sporting officiate. These assards were presented by Mayor

of Karklees Nigel Patrick. Mega Outreach Prog by Indian Bank

MI News Service, Kolkata: Indian Bank, the Lead Bank of the Dist. North 24 Parganas has conducted a Mega Outreach Programme at Rayindra Bhawas Audirtonium, Barasat All leading Banks functioning in the district have participated in the programme. The sanction tickets and Chegoes distribution of various schemes i.e. Agricul-ture, MSME, Self Helf Groups, West Bengal Student credit Card Scheme, PMSWANIDEL ECC. PMEGP, Prime Mointer Assus Yojna, etc amounting of Rx. 34.75 Crore made by various

anks to the beneficiaries. As per directions of DFS, outreach Campaigns to be conduct-ed in lead district of the Bunks. In Camp, emphasis on saturation under PMJDY account opening, enrolment of Prime Minister Jan Surakaha Schmes and Atal pen-sion Yojna were given. Various

humory & leaflets were dis-played in the stalls put up by the Banks and NABARD. Additional District Magis

trate (General), North 24 Parga nas Sudhir Kontham (IAS) wa the Chief Quest of the event The Field General Manager, In-dian Bank M.B. Suresh Roman the General Managor NAN-BARD Kamlesh Kumar, Dy-Project Director DRDC north 24 Parganas Sudomita Majumdar Zonal Head UCO Bank Blods nestowar Padhy, Zonal Head in dian Bank Barasat Guutam Ku mor Bailung, DY Zonal Head, Indian Bank Barasat Tanmoy Dey Sarkar, The Chief Manager SLBC Sumit Bases and LDM, North 24 Parganas Solan Bage were also present in the cam-paign. About 120 Beneficaries of Self Helf Groups and other contomers were present in the

developed Solar DC Cooking System Prof. Harsh. Hinns. Director, or and further discumnation of the advanc-war demonstrated in CSIR-CMERI, shared that lunides the Technology to the market will help nology. New version of 'Mile Sur Mera Tumhara' sung by Railway employees and officers

MI News Service, Delhi/ Kolkata: Darshana Jardosh, Minister of State for Railways and Textiles dedicated new version of 'Mile Sur Mera Tumbara' song to the Nation through video conferencing on Friday. The new version of this song has been prepared by Railway employees and officers. During the event, Chairman & CEO, Railway Bourd, Suspet Sharma and senior Railway officers were also present.

This song is part of the intiatives being undertaken by Ministry of Railways to cele-brate 75th anniversary of India's Independence- Azaadi Ka Ameit Mahotsav and Io showcase in-dian Railways' achievements, developments and integration on pan India basis.

Speaking on the occasion Darshina Jurdosh said, "As part of Azaadi Ka Amrit Mahotsay, this song represents Unity in Diversity. The new version



tivate the Railway employees but also the entire Nation. It will also inspire feture generations."
This song is a new version 'Mile Sur Mera Tumahara

which was telecast for the first time on Independence Day 1988.

been retained as it is but music has been rendered in a new version. This soug has been sung in 13 different languages so as to provide feeling of camaraderic

Railway employees exclusive ly. Its video features various railway employees, renowned railway sportspersons. Tokyo Olympic Medalosts, Railway officers and Minister of Railways and Minister of State for Rail-

throughout all Zonal Hatiways. This song has been stong by





This certificate is presented to

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of Michael Madhusudan Memorial College, Durgapur

upon successful completion of the Skill Development Programme on

Analytical Techniques and Instrumentation for Water Quality Assessment

(05.03.2020 - 06.03.2020)

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CSIR-CMERI, Durgapur

Prof. (Dr.) Harish Hirani

Director

CSIR-CMERI, Durgapur

Dr. Debajyoti Banerji

Skill & Innovation Promotion Group

CSIR-CMERI, Durgapur



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الما المدود Dr. Biswajit Ruj

Environmental Engineering Group CSIR-CMERI, Durgapur

Prof. (Dr.) Harish Hirani

CSIR-CMERI, Durgapur Director

> Dr. Debajyoti Banerji Desert.

Skill & Innovation Promotion Group CSIR-CMERI, Durgapur



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Dr. Biswajit Ruj Coordinator

Director CSIR-CMERI, Durgapur



This certificate is presented to MOURITA MANDAL



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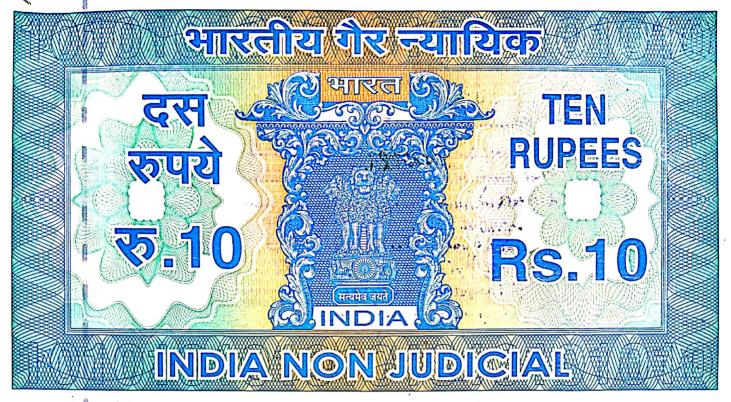
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Dr. Biswajit Ruj Co-Ordinator Prof. (Dr.) Harish Hirani Director CSIR-CMERI, Durgapur



পশ্চিমবংগ पश्चिम बंगाल WEST BENGAL

21AB 327934

MEMORANDUM OF UNDERSTANDING

We, DR. Mrinal K. Ghosh, Senior Principal Scientist, Cancer Biology and Inflammatory Disorder Division, CSIR-Indian Institute of Chemical Biology, 4, Raja S. C. Mullick Road, Jadavpur, Kolkata 700 032, and Dr. Kirat Kumar Ganguly, Assistant Professor (HOD), Department of Microbiology, Michael Madhusudan Memorial College, Kabiguru Sarani, City Centre, Durgapur-713216, West Bengal are willing to submit a joint project entitled "Targeting Triple Negative Breast Cancer (TNBC) Overexpressing EGFR (HER1): A nanotechnology based combinatorial chemotherapeutic approach" to DST Core Research Grant (CRG), SERB, for extramural funding.

We, hereby, agree to sign the formal MoU for the above mentioned project involving all parties i.e. Scientist/Faculty, their organizations and the funding agencies etc as required by CSIR, if the project is approved and funded by DST Core Research Grant (CRG), SERB, before commencement of the project. We understand that a prior MoU is mandatory as per CSIR rules for the commencement of any collaborative project at CSIR-IICB.

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23 MAR 2018

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We will bear all responsibilities and any judgment in connection to the above subject will be binding on us.

Signature with date and Seal:

DR. MRINAL K. GHOSH

Principal Scientist

Principal Scientist

Principal Scientist

Principal Scientist

Associate Professor, AcSIR

CSIR-Indian Institute of Chemical Biology

CSIR-Indian Institute of Chemical Brokery. W. B., India

Witness:

Ann Bandshally Dr. Arun Bandyopadhyay

Chief Scientist and Head, BDG and IPM Division.

CSIR-Indian Institute of Chemical Biology

अरूण बंद्योपाध्याय, पी ए

अरूप बंद्योपाध्याय, पी एच.डी Arun Bandvopadhyay, Ph.D गुज्य वेज्ञानक / Chief Sclentist प्रमृत्र, वेधिक तंपदा प्रवंधन एवं व्यापार विकासन समृत्र Head, Business Developement Group सं म.आई.आर. भारतीय रासायनिक जीवविज्ञान संस्थान CSIR-INDIAN INSTITUTE OF CHEMICAL BIOLOGY 4, राजा एस. सी. मस्लिक रोड, यादवपुर, क्षेत्वकाता - 700032 4, Raja S. C. Mullick Road, Jadavpur, Kolkata - 700 032

Dr. Kirat Kumar Ganguly Assistant Professor Michael Madhusudan Memorial College Kabiguru Sarani, City Centre, Durgapur-713216, WB

Dr. Aparna Laskar

PTO and Nodal Officer for Business Development

Spama Larkar

CSIR-Indian Institute of Chemical Biology

अपर्णा लस्कर, पी एच.डी. Aparna Laskar, Ph.D.

प्रधान तकनीको अधिकारी/ Principal Technical Officer प्रधान तकनीको अधिकारी/ Principal Technical Officer प्रधान तकनीको अधिकारी/ Principal Technical Officer व्यापार विकासन समूह/Business Development Group सी.एस.आई.अर - भारतीय रासायनिक जीविवज्ञान संस्थान CSIR-INDIAN INSTITUTE OF CHEMICAL BIOLOGY 4, राजा एस. सी. मल्लिक रोड, यादवपुर, कोसकाता - 700032 4, Raja S. C. Mullick Road, Jadavpur, Kolkata - 700 033

Witness:

1.

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