

पश्चिमवङ्ग पश्चिम बंगाल WEST BENGAL

AT 480780

THE MEMORANDUM OF UNDERSTANDING

THIS Memorandum Of Understanding is made on this 19 day of November, 2024
at B.C. Roy Engineering College Corporate office, Kolkata

Between

India Metrological Department, is the principal government agency of Government of India for all weather and climate services. It functions under Ministry of Earth Sciences (MoES) with its headquarter at Mausam Bhawan, Lodhi Road, New Delhi, Pin-110003. (hereinafter called '**IMD**' which expression shall include its successors-in-interest and assigns) of the one part;

AND

Dr. B.C. Roy Engineering College, located at **Durgapur**, India and having its campus at **Fuljhor**, **Jemua Road, Durgapur Pin-713206** (hereinafter called '**BCREC**' 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 **IMD** on all developmental matters, **Regional Meteorological Centre Kolkata**, a constituent branch office under **IMD** having its office at 4, Duel Avenue, Kolkata - 700027 (hereinafter called **RMC Kolkata**) may be referred in the first instance.

Somenath Dutta
19/11/2024

Dr. Somenath Dutta
Scientist G & Head (E.R.)
Regional Meteorological Centre
4, Duel Avenue, Kolkata-700027

06 NOV 2024

Sl. No. 262 Date.....
Sold to B C ROY ENGINEERING COLLEGE
Address DURGAPUR
Value of Stamp 100/-
Date of Purchase of this
Stamp Paper from Treasury24 OCT 2024
Name of this Treasury where
Stamp Paper Purchase-Durgapur

a
KHUDIRAM MONDAL
Stamp Vendor
Durgapur Court
City Centre, Durgapur-16
L.No.1

1. PREAMBLE

1.1 India Meteorological Department was established in 1875. It is the National Meteorological Service of the country and the principal government agency in all matters relating to meteorology and allied subjects.

- To take meteorological observations and to provide current and forecast meteorological information for optimum operation of weather-sensitive activities like agriculture, irrigation, shipping, aviation, offshore oil explorations, etc.
- To warn against severe weather phenomena like tropical cyclones, norwesters, duststorms, heavy rains and snow, cold and heat waves, etc., which cause destruction of life and property.
- To provide meteorological statistics required for agriculture, water resource management, industries, oil exploration and other nation-building activities.
- To conduct and promote research in meteorology and allied disciplines.

1.2 Dr. B. C. Roy Engineering College, Durgapur, has been set – up by a registered Society named after the legendary Chief Minister of partition- ridden West Bengal, Dr. Bidhan Chandra Roy, with affiliation from West Bengal University of Technology, now renamed as Maulana Abul Kalam Azad University of Technology. The Engineering College has earned NBA accreditation for five (05) under –graduate Engineering programmes, and is NAAC Accredited. From the academic year 2024-25, the Engineering College has earned “Autonomy Status” from the University Grants Commission, New Delhi and the Affiliating University, Maulana Abul Kalam Azad University of Technology, Kolkata.

1.3 Apart from traditional engineering programmes like Mechanical, Civil and Electrical Engineering, Electronics and Communications Engineering, the College caters to under – graduate and Post graduate studies in Computer Science and Engineering, Information Technology, Computer Systems and Design, Artificial Intelligence and Machine Learning, Computer Sciences and Engineering (Data Science) and Sciences and Engineering (Cyber Security).

1.4 To promote great learning opportunity for the students who would be able to gain first-hand knowledge in the applied fields of Aviation forecasting, Flood forecasting, Agromet Advisory, Rainfall monitoring on daily, weekly, monthly, seasonal and annual basis, Weather forecasting services to general public, Government agencies and other users for research and planning purposes, Implementation of District-wise Rainfall Monitoring Scheme(DRMS) of all states under the region and providing necessary inputs to user agencies, and also extend the knowledge-base utilizing the expertise and infrastructure of **RMC Kolkata** as a part of the **IMD**. **RMC Kolkata** and **BCREC** agree to the following broad terms of co-operation.

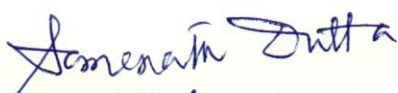
NOW IT IS HEREBY AGREED AND DECLARED BY AND BETWEEN THE INSTITUTIONS HERETO AS FOLLOWS:

2. SCOPE OF MoU

2.1 Both **RMC Kolkata** and **BCREC** 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 mutually agreed date(s), jointly organizing skill development programmes and events such as seminars, workshop, and conferences.

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Dr. Somenath Dutta
Scientist G & Head (E.R.)
Regional Meteorological Centre
4, Duel Avenue, Kolkata-700027


19/11/2024

- b. Exchange of information for effective conduct of need based skill development programmes in response to students requirements.
 - c. **Both RMC Kolkata and BCREC shall collaborate with each other in various common interest research problems in terms of faculty, student internship program.**
 - d. **Improve or initiate the interactions between faculty and students with the domain experts for knowledge transfer.**
 - e. **Knowledge and information sharing regarding Intellectual Property (IP) related matters and examine the possibility of submitting joint IP (if the project is sponsored by BCREC).**
 - f. **Enable Faculty members to submit research proposal jointly with the RMC Kolkata Scientist(s) to various Govt. bodies (DST, DBT, AICTE, MSME) and Private Organization in their common interest.**
 - g. **RMC Kolkata shall extend and facilitate (partially or totally) collaborative research, projects and consultative arrangements with BCREC Faculty on the one hand and RMC Kolkata on the other, on mutually acceptable terms. RMC Kolkata shall be the lead partner in all such collaborations.**
- 2.2 Both **RMC Kolkata** and **BCREC** acknowledge and understand that all financial arrangements in respect of Students' training programmes would be borne by the students (depends on Online and offline training course) and deposited by the college to **RMC Kolkata** prior to each training program. The related Bank Account number shall be shared by **RMC Kolkata**.
- 2.3 Neither **RMC Kolkata** nor **BCREC** 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 mutually consent, in writing. Such modifications/changes shall be effective from the date on which both **RMC Kolkata** and **BCREC** execute them in writing.

3.0 RESPONSIBILITIES OF BOTH THE INSTITUTIONS

3.1 **RMC Kolkata** shall conduct the skill development programmes at **RMC Kolkata** premises and shall also make available the necessary infrastructure and facilities for accomplishing the above laid down objectives.


3.2 **BCREC** shall depute batches (**100 students/year**) of UG students for undergoing training at **RMC Kolkata** at mutually identified time periods throughout the year.

3.3 **BCREC** shall also pay the training fees to **RMC Kolkata** prior to the commencement of each training programme.

3.4 **BCREC** shall also ensure observance of disciplined behaviour within the **RMC Kolkata** Campus by the deputed student batches and shall financially compensate for any damage to machine and property, if any, incurred during the training.

3.5 Students' accommodation, if required, during their period of training at **RMC Kolkata** shall

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Dr. Somenath Dutta
Scientist G & Head (E.R.)
Regional Meteorological Centre
4, Duel Avenue, Kolkata-700027


19/11/2024

be born by **BCREC** and **RMC Kolkata** shall extend the canteen facilities to the students on self – payment basis.

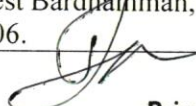
4.0 VALIDITY

This MoU shall be in full force and effect from the date of signature hereof for a period of 3 (three) 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 IMD	Signed for and on behalf of Short Name of the college
Regional Meteorological Centre Kolkata,4, Duel Avenue, Kolkata - 700027 	Dr. B. C. Roy Engineering College, Jemua Road, Fuljhore, Durgapur. District West Bardhaman, West Bengal. PIN 713 206. 
Seal: Dr. Somenath Dutta Scientist G & Head (E.R.) Regional Meteorological Centre 4, Duel Avenue, Kolkata-700027	Seal: Principal Dr. B. C. Roy Engineering College DURGAPUR Dr. B. C. Roy Engineering College Principal
Date: 19/11/2024	Date: 19/11/2024
Signed at: B. C. Roy Engineering College Corporate office, Kolkata	Signed at:
1. Witness (Name & Address)  Dr. H. R. Biswas Regional met. Centre, Alipore, 4 Duel Avenue, Kolkata - 27.	1. Witness (Name & Address) Bipul Chandra
2. Witness (Name & Address)  DR. G. K. DAS, MWO, NSCBI AIRPORT IMD KOLKATA.	2. Witness (Name & Address) Anirul Bose



पश्चिमबङ्ग पश्चिम बंगाल WEST BENGAL

AF 774051

MEMORANDUM OF UNDERSTANDING

BETWEEN
INDIAN INSTITUTE OF SOCIAL WELFARE AND BUSINESS MANAGEMENT,
KOLKATA (IISWBM)
AND
DR. B. C. ROY ENGINEERING COLLEGE, DURGAPUR (BCREC)

This Memorandum of Understanding (hereinafter referred to as "MoU") made on this 11th day of November, 2024

Between

Indian Institute of Social Welfare and Business Management, Kolkata, India's first management institution established in the year 1953, approved by the All India Council of Technical Education (AICTE) and affiliated to the University of Calcutta and an autonomous institution governed by a Board of Governors which includes, among others, the Vice Chancellor and the Pro-Vice Chancellor (Finance), University of Calcutta, Principal Secretary, Department of Education, Government of West Bengal, representatives from all Chambers of Commerce, the Ministry of Human Resource Development, Government of India and AICTE as members, situated at College Square West, Kolkata- 700 073, hereinafter referred to as IISWBM, of the FIRST PART

And

Dr. B. C. Roy Engineering College, Durgapur, a NAAC accredited engineering and management institute, established in the year 2000, an autonomous institution approved by AICTE and affiliated to Maulana Abul Kalam Azad University of Technology, West Bengal, governed by Dr. B. C. Roy Engineering College Society, Durgapur having its registered office at Dr. B. C. Roy Engineering College, Durgapur, 'Management House', Jemua Road, Fuljhore, Durgapur- 713 206 hereinafter referred to as BCREC, of the SECOND PART, for the Academic and Technical Tie Up.

The aforesaid institutions are hereinafter referred to individually as *Institute* and collectively as *Institutes* witnesseth as follows:

RECOGNISING the mutual interest in the fields of Incubations and Start Ups through the establishment of a Satellite Centre at BCREC, in the line as presently existing at IISWBM, Kolkata with its active collaboration of IISWBM's Innovation Cell, to foster a culture of entrepreneurial initiatives among the students of both the institutes in general, and in particular, with the students of the Faculty of Management Studies of BCREC, Durgapur, hereinafter referred to as FMS, BCREC, and IISWBM on long term non-commercial basis, and also

RECOGNISING the importance of management education's role in industries and therefore, in the larger sphere of society, conducting joint Management Development Programmes (MDP), Joint Consulting, Joint Research and Projects and also offering joint Short Term Courses on relevant and emerging management areas.

HEREBY agree to establish collaboration according to terms and conditions set out in the articles following hereunder.

The words "the two institutions" in the MoU refer to IISWBM, Kolkata and BCREC, Durgapur.

Article 1 – Major Areas of Co-operation:

Co-operation between the two institutions may be established within the field related to management education of mutual interest and in particular –

- i. Establishment of a Satellite Centre, for promoting incubations and start ups, in fields of mutual interests,
- ii. Conducting Management Development Programmes (MDPs) for the industrial executives, through provision of facilitators jointly by the two institutions,
- iii. Organization of joint conclave, symposia, workshops, lectures and conferences on relevant and contemporary issues,
- iv. Undertaking joint consulting, collaborative research and projects,
- v. Offering short term courses jointly.

Extension to other areas will be made through further amendments to the present MoU.

Article 2 – Other Areas:

- i. To exchange information on research and educational programs,
- ii. To exchange information on teaching, learning material and other literature relevant to their research and educational programs,
- iii. To jointly organize short term continuing education programs and to invite each other's faculty to participate therein,
- iv. To organize jointly symposia, conclaves, seminars and workshops on topics of mutual interest and to invite each other's faculty and students to participate therein,
- v. To propose and engage jointly in research or training programs sponsored by funding agencies, and each other's faculty to participate therein,
- vi. The provision of cultural and intellectual enrichment of faculty and students of both institutes,
- vii. To use laboratory and library facilities in specific cases for a limited period.

IISWBM, Kolkata and BCREC, Durgapur agree that the detailed terms and conditions that guide each activity as identified above will be separately determined and agreed upon by the two institutions. These terms shall include the technical description of proposed activity, financial arrangements, and person(s) responsible for its implementation.

Article 3 - Coordination:

Each institution shall appoint one member of its teaching faculty (permanent faculty member) to coordinate the programme on its behalf. Further a coordination committee consisting of (a) a programme coordinator from **IISWBM, Kolkata** and (b) a programme coordinator from the side of **FMS, BCREC, Durgapur** will periodically review and identify ways to strengthen cooperation between two institutions.

Article 4 – Confidentiality:

IISWBM, Kolkata and BCREC, Durgapur do not absolve any confidential information during the research activities.

Article 5 - Intellectual Property Rights (IPR):

Ownership of any intellectual property (including but not limited to confidential information, know-how, patents, copyrights, design rights, rights relating to computer software, and any other intellectual or industrial property rights) developed jointly during the course of this MoU shall be vested in both institutes of this memorandum.

Both institutes shall have the joint right to determine the commercial exploitation and disposition of such intellectual property, and both institutes shall make joint applications for the registration of the same. Before any registration and commercialization of any intellectual property takes place, the institutes agree to reach a separate agreement covering issues such as exploitation rights and revenue sharing.

A publication of such intellectual property shall only be possible with prior consent of both the institutes; such consent should not be unreasonably withheld.

Both the institutes shall be free to use perpetually the results arising out of the collaborating activities for their own internal teaching, research, educational, clinical and publication purposes without the payment of royalties or any other fees to the other party.

Article 6 - Validity:

The memorandum shall remain in force for a period of three (03) years commencing from the effective date. Institutions may extend the term by written agreement signed by both after review.

Article 7 - Termination:

Either institution may terminate the MoU by written notice of three (03) months in advance to the other institution. Once terminated, neither IISWBM, Kolkata nor BCREC, Durgapur will be responsible for any losses, financial or otherwise, which the other institutions may suffer. However, IISWBM, Kolkata and BCREC, Durgapur will ensure that the provisions of this memorandum shall continue to apply in all areas of progress until their completion.

Article 8 – Amendments and Modifications:

This MoU may be amended or modified by a written agreement signed by the representative of both institutes.

8.1 - Participating faculties, staff and students involved in any activities under this Memorandum must adhere to the law of the host countries and rules and regulations of the institutions.

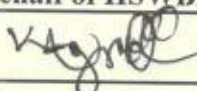
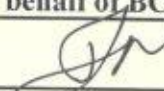
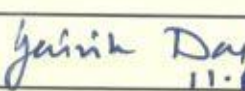
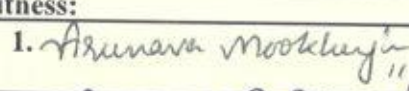
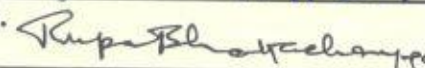
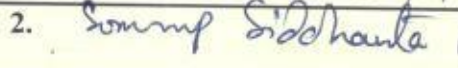
8.2 - Nothing in this Memorandum shall be construed as creating any legal relationship between the institutes. This Memorandum is a statement of intent to foster genuine and mutually beneficial collaboration.

Article 9 – Dispute Resolution:

In case, there be a dispute relating to any aspect of academic cooperation, Director, IISWBM, Kolkata and Principal, BCREC, Durgapur will [jointly resolve the dispute in a spirit of independence, mutual respect, and shared responsibility].

If such a settlement cannot be reached, the dispute will be settled in the Courts of Kolkata (India) and Durgapur (India).

IISWBM, Kolkata and the BCREC, Durgapur welcome the establishment of this Memorandum for cooperation and jointly agree to the provisions as set out above.

For and on behalf of IISWBM, Kolkata	For and on behalf of BCREC, Durgapur
Signature:  11/11/2024	Signature: 
Prof. (Dr.) Krishan Ghose Director (Acting) Indian Institute of Social Welfare & Business Management College Square, Kolkata-700073	Designation: PRINCIPAL, BCREC Principal Dr. B. C. Roy Engineering College DURGAPUR
Date: 11/11/2024	Date: 11/11/2024
Witness:	Witness:
1.  11.11.2024	1.  11/11/24
2.  11.11.2024	2.  11/11/24

Page

Dr. B. C. Roy Engineering College
Principal



पश्चिमबङ्ग पश्चिम बंगाल WEST BENGAL

AT 494738

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MOU) is made at DURGAPUR,
WEST BENGAL on 10th MAY 2025

Between

UltraTech Cement Limited, having its office at PS Arcadia Central, 5th Floor,
4A, AbanindraNath Thakur Sarani (Camac Street).Kolkata-700016, WB(hereinafter
referred to as "**UltraTech**", which expression shall unless repugnant to the context
or meaning thereof, include its successor-in-interest and permitted assigns);

AND

Dr. B. C. Roy Engineering College, Jemua Road, Fuljhore, Durgapur, Dist:
Paschim Bardhaman, PIN: 713206. West Bengal (hereinafter called "**BCREC**").


For Dr. B. C. Roy Engineering College.


For UltraTech Cement Ltd.

INTRODUCTION


UltraTech Cement Ltd. is the largest manufacturer of grey cement, Ready Mix Concrete (RMC) and white cement in India. It is also one of the leading cement producers globally. Its operations span across India, UAE, Bahrain, and Sri Lanka. UltraTech is the largest manufacturer of concrete in India. UltraTech is the one-stop shop for every primary construction need. Its meteoric rise as India's largest Cement brand reflects on the organisation's focus on cutting edge technology, research and technical services. UltraTech Cement provides a range of products that cater to the various aspects of construction, from foundation to finish.


UltraTech's parent company, the Aditya Birla Group, is in the league of Fortune 500 companies. It employs a diverse workforce comprising of 140,000 employees, belonging to 100 different nationalities across 36 countries. The Group has been ranked number 4 in the global Top Companies for Leaders' survey and ranked number 1 in Asia Pacific for 2011.

Dr. B. C. Roy Engineering College, Durgapur has been set-up by a registered Society named after the Legendary Chief Minister of partition-ridden West Bengal, Dr. Bidhan Chandra Roy. The industrial city of Durgapur had, and still has, a State – run Engineering College – National Institute of Technology (Formerly Regional Engineering College), but the demand for engineering education far outstripped supply. Emboldened by the policy directions of the State and Central Government to widen the scale of engineering education, the Society, in 2000 embarked on the dream project of extending engineering education at Dr. B. C. Roy Engineering College with four disciplines – Computer Science and Engineering, Information Technology, Electrical Engineering and Electronics and Communication Engineering at the under – graduate level with sixty seats intake in each discipline, after gaining approval from All India Council for Technical Education, New Delhi and affiliation from the University of Burdwan. In the year 2001, the affiliation was transferred to West Bengal University of Technology, now renamed as Maulana Abul Kalam Azad University of Technology.

This Engineering College gradually enlarged the ambit and added three more undergraduate engineering discipline – Applied Electronics and Instrumentation Engineering in 2001, Mechanical Engineering in 2003 and Civil Engineering in 2009. Also introduced were Masters level courses in Management and Computer Applications in the years 2004 and 2005.

Likewise, Masters Degree courses in Electrical Engineering in 2007, Electronics and Communication Engineering in 2007, Computer Science and Engineering in 2009, were introduced, and in 2012, the M. Tech programme in Mechanical Engineering was introduced at the college.


For. Dr. B. C. Roy Engineering College


For Ultra Tech Cement Ltd,

In 2021 two undergraduate degree programmes in Artificial Intelligence and Machine Learning, and Computer Science and Design have been introduced. These courses of study are in contemporary and emerging areas of Science and Technology, and have gained recognition and popularity amongst learners. In the year 2022 Computer Science Engineering (Data Science) and in the year 2024 Computer Science Engineering (Cyber Security) was started.

The College received National Board of Accreditation for two under graduate disciplines in 2008 - Computer Science and Engineering and Electronics and Communication Engineering. Presently five undergraduate programmes are NBA Accredited. The institute was also accredited by NAAC in the year 2021 for 5 years.

In its continuous pursuit for developing strong institute industry relationship BCREC has its own Institute Industry Partnership Cell (IIPC) and Institute Innovation Council (IIC). It has signed different MoU with organizations e.g. Central Mechanical Engineering Research Institute (CMERI), Durgapur Steel Plant (DSP, SAIL), National Highway Authority of India (NHAI). The institute has set up AICTE Sponsored AICTE-IDEA Lab for up skilling its students and industry professionals. Different Government sponsored projects are also on going in the institute from the Govt. funding agencies e.g. Department of Science and Technology (DST), Ministry of Electronics and Information Technology (MeitY).

NOW THIS MEMORANDUM OF UNDERSTANDING (MoU) WITNESSE AND IT IS HEREBY AGREED BY AND BETWEEN THE PARTIES HERETO AS FOLLOWS:

BCREC shall use the assistance provided by UltraTech only for the purpose expressly stated in the MoU and not for any other purpose, unless otherwise agreed upon by the parties. Further, UltraTech may conduct symposiums, workshops, technical presentations etc., at the college, at its own discretion.

Objectives:

This MoU is signed with the objectives of furthering industry-academic relationship for mutual benefit, building fruitful and mutual relations, and of proposing to offer programs of mutual interest as agreed by the parties.

1. **BCREC:** Civil Dept. intends to organize skill development programs in association with UltraTech Cement for the benefit of skilled and unskilled labour, contractors, Builders and students. **BCREC** will provide a dedicated space for UltraTech Centre of Excellence for these endeavours.
2. **BCREC:** Civil Dept. intends to organize Technical seminars, workshops, conferences and training programmes in association with UltraTech to familiarise the civil engineering community with the advancements done in field of construction technology.

For. Dr. B. C. Roy Engineering College

For Ultra Tech Cement Ltd,



3. UltraTech, in association with BCREC: Civil Dept., shall arrange for industrial visits, seminars and guest lectures from Industry professionals/ Technology partners for student interface with existing/ emerging global industry trends.

4. BCREC: Civil Dept. and UltraTech shall together initiate research and development projects and shall carry out **collaborative research** in cement and construction industry.

5. BCREC: Civil Dept. shall extend its consultation to regular development and provide solutions for technical complexities at UltraTech based on inter disciplinary projects through collaborative efforts with faculties from other core, technology and emerging area departments with a strong emphasis on sustainable development.

6. VALIDITY

The agreement is valid for a period of five years with effect from the date of signing of the agreement and may be renewed after that period; MoU may be brought to an end during period of validity by either party agreeing to do so with prior notice of 3 months and in writing.

7. DISPUTE RESOLUTION

Any dispute arising will be settled by mutual negotiation between the two parties.

8. JURISDICTION

This MoU stands valid within the jurisdiction of Kolkata. The courts of Kolkata shall have the jurisdiction to entertain any claim with respect to this MoU.

IN WITNESS WHEREOF the authorized signatories of UltraTech and Dr. B. C. Roy Engineering College, Durgapur: Civil Dept. has signed this Memorandum of Understanding on the day, month and year first above written.


Authorized Signatory:

For Dr. B. C. Roy Engineering College.

Signature

Name:

Designation:


Principal
Dr. B. C. Roy Engineering College
DURGAPUR

Witness:

1. Sanjay Sengupta
2. Amit Kotal


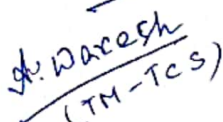
For UltraTech Cement Limited.

Signature

Name: BISWA BHUSAN BARAL

Designation: Regional Head Technical.

Witness:

1.  (RHM-NB)
2.  (TM-TCS)

