



MEMORANDUM OF UNDERSTANDING

BETWEEN

**POLLUTION CONTROL RESEARCH INSTITUTE
BHARAT HEAVY ELECTRICALS LIMITED, HARIDWAR**

AND

**GURUKUL KANGRI DEEMED TO BE UNIVERSITY (GKDU),
HARIDWAR**

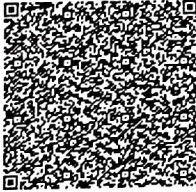


सत्यमेव जयते

INDIA NON JUDICIAL Government of Uttarakhand

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MEMORANDUM OF UNDERSTANDING

This memorandum of Understanding entered into on this 9th day of October, 2021 at Haridwar between the Gurukul Kangri Deemed to be University (GKDU), Haridwar and Pollution Control Research Institute (PCRI), Bharat Heavy Electricals Limited (BHEL), Ranipur, Haridwar.

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Statutory Alert:

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1. INTRODUCTION :

WHEREAS

It is the objective of the Gurukul Kangri Deemed to be University (GKDU) to disseminate and advance knowledge by providing instructional research and extension facilities in such branches of learning as it may deem fit and itself endeavour to provide student and teachers the necessary atmosphere and facilities for the promotion of:

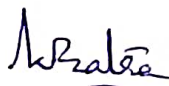
- I. Innovation in education leading to restructuring of courses, new methods of teaching and learning and integral development of personality.
- II. Studies in various disciplines.
- III. Inter disciplinary and multi-disciplinary studies

UGC/Govt. of India have realised the need of closed linkage between public sector undertaking/industries and universities in terms of research and academic activities. GKDU is one of the premier institutes of Uttarakhand and is one of Deemed to be university under centrally funded educational institute (CEIs) of Govt. of India. Its department of Zoology and Environmental Science, Chemistry, Physics, Botany, and Micro Biology, Faculty of Engineering and Technology (FET) at main campuses and Kanya Gurukul campuses are engaged in active research in their frontier areas these departments/ faculty/ campuses are running UG (B. Sc., B. Tech, B. Pharma), PG (M. Sc., MCA etc.) and Ph.D. programmes in different disciplines. These courses have generally one semester (full or partial) training program/ project/ dissertation in their curriculum so that student could be benefitted by their collaboration with industries and research institutions.

And WHEREAS

Pollution Control Research Institute (PCRI) setup by Govt. of India under UNDP program at BHEL Haridwar with the objective of providing high quality consultancy and professionally oriented services in the field of Environmental Management with focus on customer satisfaction and benefit to society and provide services in the following areas:

1. Environmental Impact Assessment Studies.
2. Environmental auditing.
3. Consultancy services related to industrial air, water pollution control and Solid waste management.
4. Regional Environmental studies.
5. Monitoring and analysis of pollution levels in air, water, noise, solid waste and biological samples.
6. Performance evaluation of Pollution Control Systems, including ETP/STPs.
7. Inspection and surveying of Grossly Polluting Industry.
8. Monitoring of Occupational Health, Safety and Environmental parameters and facilitation for HSE certifications.
9. Training and development of professionals engaged in environment protection and pollution abatement.
10. Setting up of Environmental and Chemical laboratory.



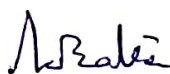
2. AREA OF CO-OPERATION:

- a. **Skill and Competency Development:** BHEL- PCRI may collaborate with the invited faculty of GKDU to enhance the skills and competencies of BHEL's executives and employees through open training programs like MDPs & customized executive education programs in the area of engineering education and scientific research. BHEL will pay to GKDU such fees as may be mutually agreed by the Parties. Similarly, experts from BHEL will also share their experience with students and faculty of GKDU. GKDU will pay honorarium and TA/DA to experts from BHEL as per GKDU rules and regulations.
- b. **Student Internship:** BHEL may upon prior written request from GKDU, permit selected graduate, post-graduate and research scholars/fellow students from GKDU to work under guidance of Executives from BHEL along with faculty guide from GKDU as interns. Concerned students will bear their own costs including travel, lodging and boarding and other incidental expenses. GKDU shall withdraw any student from such internship at BHEL's request on disciplinary grounds or for such other reasons as deemed fit by BHEL. **No sponsorship or cost of any nature will be borne by BHEL.** Specific problems of BHEL may be offered as student projects in the form of summer internship, industry /field projects, and research projects. The duration for such projects may vary from 8 weeks for graduate students, up to 6 months for post-graduate and about 3-4 years for the Research Scholars. The duration of projects is to be considered by BHEL, for acceptability.
- c. **Consulting Projects:** BHEL may invite GKDU to undertake consultancy projects including development of case studies in the areas of Institute's expertise. The expertise may include: -
 1. Geology
 2. Zoology
 3. Botany
 4. Socio-economy
 5. Hydrology
 6. Analytical Chemistry
 7. Environmental science
 8. Instrumentation
- d. Recognition of PCRI as R&D center by GKDU as joint R&D work.
- e. Use of instrumentation/facilities which are not available in PCRI.

BHEL will pay GKDU for these consultancy projects as per mutually agreed terms for each project.

For each project sponsored by BHEL, the Parties shall enter into a specific agreement at the relevant time (Specific Agreement).

- f. **Joint seminars, workshops, Conferences, Short Term Courses (STCs) and Faculty Development Programs (FDPs):** GKDU and PCRI, BHEL shall work together for organizing Joint seminars, workshops, conferences, STCs and FDPs from time to time in the areas of mutual interest under mutually agreed terms.





- g. **Quality Improvement Program:** GKDU will offer the sponsored/part-time Diploma/P.G.Diploma /Ph.D. program for the BHEL executives/ employee as per rules & regulations.
- h. **Utilization of Labs:** BHEL and GKDU will provide lab and workshop facilities mutually to each other on chargeable basis for a common research and studies. BHEL /GKDU will also help to provide the lab and experiment facility for the part time/sponsored research scholars on discounted analysis charges as prevailing analysis charges list duly approved by both institutions.

3. NON-EXCLUSIVITY:

The cooperation/understanding contemplated herein is not exclusive and BHEL and GKDU shall be free to enter into similar arrangements with any other party. However, GKDU will ensure that there is no conflict of interest with any BHEL Sponsored Project whether already completed or ongoing whilst entering into such arrangement with any other party.

4. COORDINATORS:

BHEL and GKDU hereby nominate AGM (PCRI), BHEL, Haridwar and HOD, Department of Zoology and Environmental Science as coordinators respectively for operating the various provisions of this MoU on behalf of their respective organizations. All formal communications will be exchanged only through these nominated representatives.

5. VALIDITY OF THE MoU:

This MoU shall be valid for a period of 05 (Five) years from the date of signing, after which it can be renewed for another two years by mutual agreement between the Parties. Either Party during its currency can also terminate this MoU by giving a notice of two months on the other. This MoU shall also stand terminated if either of the Parties is declared as insolvent by a court/authority of competent jurisdiction.

6. NOTICES:

All notices and communications concerning this MoU shall be sent to the respective addresses of the Parties as above.

7. AMENDMENTS:

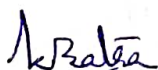
Any amendments to this MoU shall be valid only if the same is reduced in writing and signed by both the Parties.

8. COSTS:

Both the parties shall bear their respective costs arising out of performance of their obligations under this MoU.

9. INTEGRATION:

This MoU contains the entire understanding between the Parties and supersedes any prior written or oral agreements between them in this regard. Unless otherwise agreed to by the Parties, this

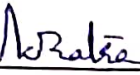


MoU, shall be deemed to be incorporated in each Specific Agreement to the extent the same is not contradictory to the provisions of such Specific Agreement.

IN WITNESS WHEREOF THE PARTIES HEREIN HAVE HEREUNTO SET THEIR RESPECTIVE HANDS AND SEAL, THE DAY, MONTH AND YEAR FIRST HEREINABOVE MENTIONED.

Signed for and on behalf of PCRI,BHEL, Haridwar

Signed for and on behalf of GKDU

Signature: 

Signature: 

Date : 9/10/21

Date : 9-10-2021

Name: K.B. Batra

Name: Prof. Roop Kishore Shastri

Designation: GM (Engg, PCRI, AUSC)

Designation: Vice-Chancellor

BHEL, Ranipur, Haridwar,
Uttarakhand, India

Gurukul Kangri Deemed to be University
(GKDU), Haridwar,Uttarakhand,India.

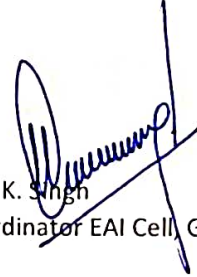
Email ID: kbbatra@bhel.in

Email ID: vc@gkv.ac.in

Witness 1

Witness 1



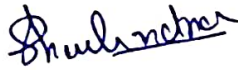


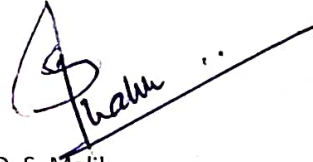
Name: Sh. Arjesh Sharma
AGM, PCRI, BHEL, Haridwar

Name: Prof. V. K. Singh
Co-coordinator EAI Cell, GKDU, Haridwar

Witness 2

Witness 2





Name: Sh. Shailendra Kumar
Sr. Manager, PCRI, BHEL, Haridwar

Name: Prof. D. S. Malik
Head, Dept. of Zoology & Environment
Science, GKDU, Haridwar