



## MEMORANDUM OF UNDERSTANDING

BETWEEN

PANJAB UNIVERSITY, CHANDIGARH

AND

FUTURE HITECH BATTERIES LTD., SAHIBZADA AJIT SINGH NAGAR, PUNJAB



### PARTIES:

- A. PANJAB UNIVERSITY, CHANDIGARH which expression shall mean and include its successors in interest and assigns of the second part (hereinafter referred to as PU), AND
- B. FUTURE HITECH BATTERIES LTD., SAHIBZADA AJIT SINGH NAGAR, PUNJAB which expression shall mean and include its successors in interest and assigns of the first part (hereinafter referred to as FHBTL)

To further the progress in science and technology of Lithium Ion batteries at the Chemistry department of Panjab University, Chandigarh, the Future Hitech Batteries Ltd. (referred to as FHBTL here after) located in Sahibzada Ajit Singh Nagar, Punjab India will like to sign a memorandum of understanding with the Panjab University Chandigarh, India.

The terms of this agreement are as follows:

1. The FHBTL will provide scholarships @Rs 25K per month each for three research students from department of chemistry. It is understood that these students will be of high academic caliber and passionate about scientific

research in industrial context. They should have a M.Sc or M. Tech. degree in appropriate areas of chemistry or chemical engineering.

- 1a. Prof. S.K. Mehta will act as Principal Coordinator, Contact Person (CP) from Panjab University. A committee suggested by CP and approved by the Vice Chancellor, PU shall select and allocate students to appropriate, interested faculty member/s with their consent.
2. Those selected three students will conduct research in the areas of Anodes, Cathodes and Electrolytes respectively for the Lithium Ion Batteries. It is expected that the faculty members as per the requirements and mutual understanding of the two institutions, i.e., Panjab University and FHTBL provide the necessary guidance to these students. The infrastructural facilities including lab space related to research work will be made available as per the convenience of the two institutions. Overall technical direction will be provided by the Contact Person as designated by the FHTBL.
3. The ultimate aim of research is develop new chemicals for improved Lithium ion battery performance and to be able to produce them in quantities large enough to be of commercial success. The initial focus of the students will be to review the existing literature for these three areas and come up with recommendations for FHTBL on the chemistry to be used for immediate (within 6-8 months) of Lithium ion cell production for FHTBL. In the next phase they will conduct experiments to characterize these chemicals in the laboratory to ensure production of high quality battery cells.
4. Students and faculty members will be expected to publish review articles on these subjects in peer reviewed journals. Contributions of the FHTBL professionals and the financial aid will be duly acknowledged in these publications.
5. If any of the technologies developed lead to patents or trade secrets, these shall be jointly owned by Panjab University and FHTBL. However, FHTBL will have the right to use these free of cost. The university may license these

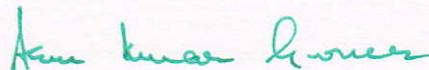
technologies to other companies. The license fee or any other income earned will be shared 50%-50% between the university and FHTBL.

6. The students and the faculty members will sign and follow a non-disclosure agreement with FHTBL to protect its intellectual property and business plan information that may be shared with them during the course of this research.
7. The initial term of the initial scholarship will be for one year. The continuation will be subject to the quality and quantity of the progress made by the students.
8. FHTBL will deposit the funds for scholarship to the Director, Center for Industry Institute Partnership Program, Panjab University Chandigarh for distribution to the research students selected for the purpose.

Signed on this day



**Mr. J.P Singh**  
Managing Director  
Future Hi tech batteries limited  
Sahibzada Ajit Singh Nagar, Punjab



**Prof. Arun Kumar Grover**  
Vice Chancellor  
Panjab University  
Chandigarh