

### **Brief Bio-data**

1. Name: BISHWAJIT MODAK
2. Date of Birth: 10/01/1994
3. Current Position and Address:  
(Include Email ID and Contact Number) Technical Officer  
Dept: Flameproof and Equipment Safety  
CSIR-CIMFR, Dhanbad.  
E-mail: bishwajitmodak@gmail.com  
Mob: 6299540962

4. Educational qualifications: (Graduation and above)

Sl. No.	Degree	Year of Passing	University/Institute	Subject
1.	B. Tech.	2015	Maulana Abul Kalam Azad University of Technology, Kolkata	Mechanical Engineering

5. Work experience:

Designation	Institute/company	From	To	Nature of Work
Technical Officer	CSIR-CIMFR, Dhanbad	06.12.2017	Till date	Testing & certification of Ex Equipment.

6. Work Area(s)/ Specialization:

- Testing & Certification as well as Design Evaluation of Explosion proof electrical equipment like Flameproof, Increased safety, Pressurization, Non-sparking, Restricted breathing etc.
- Testing and Design Evaluation of Non-Electrical Equipment for hazardous areas like conveyor belt (PVC/steel chord), Brattice cloth, Flame arresters, Non-Sparking Tools etc.
- Inspection and maintenance of electrical installations in Hazardous area as per IS/ IEC standards.

7. Major contributions: (Max. 100 words):

- Different types of equipment used in coal mines, oil and gas mines, petrochemical, refineries, defence installations must have specific or special; protection system. The significant contribution were made in design evaluation, inspection ,advice and testing on further development of explosion proof products in strategic industries like defence installation, launching pads (rockets) etc.

8. No. of Research Publications:

- Papers in Journals: Nil
- In conference proceedings:
  - Evaluation of Intrinsic safe electrical equipment for appliance in potentially hazardous area, AIM-2020, CSIR-CIMFR, Dhanbad
- Invited lectures delivered:
  - Inspection & Maintenance of Ex Equipment Used in Hazardous Area.
  - Testing & Certification Of Ex Equipment For Suitable Use In Hazardous Area.
- List of best 05 publications: Nil
- Books/Chapters authored/edited: Nil

9. List of 5 Major Contract R&D Projects:

- Design evaluation and advice of increased safety, pressurization motor and pressurized panel.
- Design support in development of EOT cranes for use in hazardous area.
- Completed various service to industry projects and provided knowledge support to new MSME industry in relevant field.

10. (a) Name of Patents/Copyrights applied /granted/commercialized: Nil  
(b) Technologies/Products /knowhow/Services developed: Nil

11. Honors/Awards/Recognitions/Fellowships/Scholarships/Professional Memberships received:

- The Institute of Engineers (India)                      Associate Member
- Vigyan Bharti    Life Member

12. Societal Contributions:

- Five days executive training for ONGC engineers organized by the FES Dept. on 'Explosion proof equipment' annually in support of "SKILL INDIA".
- Guidance to the new manufacturers in the relevant field in support of "ATMANIRBHAR BHARAT".