

1. Name: **RAJIV RANJAN**

2. Date of Birth: 05-10-1972

3. Current Position and Address: Senior Technical Officer-1
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4. Educational qualifications: (Graduation and above)

Sl. No.	Degree/ Certificate	Year of Passing	University/ Institute	Subjects
I	3 years diploma In Mechanical Engg.	1997	State Board of Technical Education Bihar	Manufacturing Technology, Design & Drawing, TE, FM TOM
II	Pursuing AMIE degree course In Mechanical Engineering Section A Completed Section B Continuing	-	The Institution of Engineers (India)	-

5. Work experience

Designation	Institution/company	From	To	Nature of work
i Technical Assistant	CIMFR	06-10-1998	05-10-2003	R & D on Coal Carbonisation & coke making
ii Senior Technical Assistant	CIMFR	06-10-2003	05-10-2008	R & D on Coal Carbonisation & coke making
iii. Senior Technical Officer-1	CIMFR	06-10-2008	05-10-2013	R & D on Coal Carbonisation & coke making

6. Area of specialization: :

7. Honors/Awards received:

8. Fellowships/Scholarships:

9. No. of Research Publications:

- Papers in journals:
- In conference proceedings:
A paper entitled “**Direct reduction iron ore using non-coking coal in non-recovery type coke oven**”
Authors:- G.K. Bayen, R. Ranjan, R.S. Yadav, Tarun pramanik, S. Maity, S. Mukherjee, S.K. Dey, G.K. Gupta
Presented in Koyla Upoyog Dristi 2025, a Hindi Seminar at CIMFR Digwadih Campus, Dhanbad from 4-5th May 2012
- Invited/key-note addresses:
- List of best 05 publications:

10. Number of Books authored/edited:

11. (a) No. of Patents granted/applied for:

(b) Technologies developed, Licensed and/or commercialized:

12. Foreign visits:

13. Details of Professional memberships:

14. Major contributions: (Max. 150 words)

- i. Maintenance of Various equipments in pilot plant in Coal Carbonisation department. There are various pilot plants like non recovery coke oven plant with both top charging and stamp charging facility, by product type Coke Oven pilot plant, electrically heated pilot scale coke oven & pilot plants for making pellets from coal and coke fines.
- ii. Commissioning, initial heating and trial run of non-recovery coke oven.
- iii. Operation of high temperature coal carbonization pilot plants.
 - a. Electrically heated coke oven
 - b. Pilot non-recover type coke oven with and without stamp charging system.
- iv. Briquettes making in 1 tph capacity pilot scale briquetting plant, thermal treatment in curing chamber (batch type) and characterization of the products.
- v. Testing of coal and coke for their physical properties like Micum index, Shatter index and Apparent density, Bulk density, Gross moisture.
- vi. Technical aid to industries along with sub-sampling of coal and coke for laboratory tests pertaining to carbonization characteristics were also done.
- vii. Participating in different training programs organized by the department for industrial and academic persons.

15. Technologies and Products/ Services

- (i) Developed:
- (ii) Licensed:
- (iii) Commercialized:

16. Designs and Prototype Developed:

17. Honours and awards won for technological contributions or sociological impact of R&D:

Signature