

Format for Bio-data

1. Name: **B. Ravi Kumar**

2. Date of Birth: 02.05.1973

3. Current Position and Address: Technical Assistant, Material Testing section,
(with E-mail & Phone no.) CSIR-CIMFR, Barwa Road, ravicmri_25@rediffmail.com,
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4. Educational qualifications: (Graduation and above)

Sl. No.	Degree/ Certificate	Year of Passing	University/ Institute	Subjects
i	D.M.E (Mechanical Engg)	1989	SBTE&T, Hyderabad	(Therm.Engg, Stngh of Matr. Prod.Engg, Design of mach.elmnts & etc.,
ii	B. Tech (Mechanical Engg)	2010	JNTU, Hyderabad	(ASM, KOM, DOM, HMT, PPC, T.E & etc.)

5. Work experience

Designation	Institution/company	From	To	Nature of work
i Q.A.S	Surya Coach Builders Pvt Ltd.,	1993	1999	Maintaing quality of devpng products.
ii Maintenance Supv.	Hindupur Rubber factory	1999	2004	Service and maintenance of plant.
iii Manager	O Ranganna Motors (Hero Honda)	2004	2005	over all in-charge.
iv Tech. Asst	CSIR- CIMFR	2005	till date	as in sl.no.14

6. Area of specialization: MECHANICAL ENGINEERING

7. Honors/Awards received: N.A

8. Fellowships/Scholarships: N.A

9. No. of Research Publications: N.A

- Papers in journals: N.A
- In conference proceedings: N.A
- Invited/key-note addresses: N.A
- List of best 05 publications: N.A

10. Number of Books authored/edited: N.A

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

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

12. Foreign visits: N.A

13. Details of Professional memberships: N.A

14 . Major contributions :(Max. 150 words) i) Contribution during Consultancy Contract for

i) Design, Development, Fabrication & testing of Gas Burner for Channel Heat up Experiments (CT-PT Contact)

ii) Scrutiny the patents filed by scientists of CSIR-CIMFR, and forwarding the same to CSIR Hq in the prescribed format & maintaining correspondence works with IPR team.

iii) To assess the soundness of the mechanical integrity of the vital components of all running winders of different mines of BCCL, Dhanbad, Jharkhand (India) for safe use in the installation. This work will help industry to increase the productivity of mine.

Non-destructive examinations of vital components of cage/skip winding systems and other items like winding ropes of cage & skip winders were conducted at different user and manufacturing industries like UCIL, BCCL , SCCL, WCL, MOIL & etc., for assessment of their quality for further use in the installation.

Vital components of cage/skip winding systems include friction wedge rope cappels, hydraulic adjustable link, flat links, cross links, fork links, swivels, pin, 'D' shackles, white metal sockets with pin, lifting clamps, drum shafts, sheave pulley shafts etc.. Testing carried out on mine cage suspension gear and haulage components enabled the small-scale industries and ancillary units to develop and manufacture quality products under the import substitution programme of these components. Testing carried out on these products before use to ensure safety as well as to minimize accidents which promoted production. Before these items are put in service, soundness of material has to be evaluated. As a measure of preventive maintenance the statutory testing are conducted as per DGMS circular. Non-destructive evaluation of each mine hoisting system has been conducted. Mine hoisting system includes Pulley shaft, cage suspension gear and vital components of winding engine. Non-destructive evaluation of each mine hoisting system has been conducted. Assessments of the quality of new wire ropes were carried as per customer's requirements. The statutory testing of wire ropes received from various mines were carried out to assess the nature and extent of deterioration in the representative wire rope samples. This helped in timely detection of defects and thereby minimized accidents and enhances safety. Mechanical test results like breaking load of complete rope section as well as test values of individual wires like tensile, torsion and reverse bend were evaluated. The test reports were made available to the concerned firms. Testing and evaluation of test results were carried out and reports were sent to the concerned organizations.

15. Technologies and Products/ Services

(xv) Developed: N.A

(xvi) Licensed: N.A

(xvii) Commercialized: N.A

16. Designs and Prototype Developed: N.A

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

