

ASSOCIATED ELECTRICAL INDUSTRIES LIMITED  
RESEARCH LABORATORY

TELEGRAMS: ABIRLAB, ALDERMASTON

TELEPHONE: WOOLHAMPTON 2241

ALDERMASTON COURT  
ALDERMASTON  
BERKSHIRE

6<sup>th</sup> March 1961

Dear Dr. Krishnan,

I read an advert. for posts of Asst. Directors in CEEERI, Pilani. I am enclosing an application and I shall be thankful if you could forward it to CEEERI.

The International School of Physics, "Enrico Fermi", Italy is conducting a summer course in Semiconductors from 17<sup>th</sup> July to 5<sup>th</sup> Aug 1961. I wish to apply for admission. A note of reference from a University Professor testifying the applicants interest and preparation for the activities of the School, is required to be sent with the application and I shall be grateful to you if you can send a note of reference to me to be sent with the application.

I am extremely thankful to you for providing me an opportunity for coming over here to work under the Colombo Plan. I have tried my

best to make the maximum use of this opportunity. I have enjoyed my stay at the University of Reading and AEI and I am now looking forward to my return to India in October 1961. As I have already written to you, I worked on the electrical properties of semiconductor surfaces at the Reading Univ. and I am now working at AEI on the thermoelectric properties of semiconductors. Everybody has been very co-operative & helpful.

If you are likely to come to U.K. in the near future, please write to me so that I shall be able to meet you.

With respects,

yours sincerely

B.R.M.

(B.R. MARATHE)

Application for the post of Assistant Director (Solid State Devices), Central Electronics Engineering Research Institute, Pilani.

Name : MARATHE, BALKRISHNA RANCHANDRA

Present address : Solid State Physics Section,  
A.E.I. Research Laboratory,  
Aldermaston, Berks., U.K.

Date + place of birth : 29.7.1922, Chikodi, Bombay State.

Qualifications : Dip. Tech. (Diploma in Advanced Radio Communication from S.P. College, Poona) in 1946.

M.Sc. Physics (special paper Radio Physics + Electronics) from Bombay University in 1948.

Ph.D. Physics (Electrical discharges through gases) from Banaras Hindu University in 1951

Foreign languages : Certificate course in Russian from Delhi Univ. in 1959.

Experience : Employed at the National Physical Laboratory, India since Feb. 1953. Worked in the Ind. Phys. Div. on various industrial problems like particle size analysis, apparatus for testing of pencils, cement etc. Ten publications on the above subjects.

In U.K. under the Colombo Plan Technical Co-operation Scheme since October 1959. Returning to National Physical Laboratory, India in October 1961.

Worked for one year from Oct. 1959 at the J.J. Thomson Physical Laboratory, of the Reading University on the electrical properties of semiconductor surfaces. Published one research note on electroluminescence.

From October 1968, working at the A.E.I. Research Laboratory, Aldermaston on the Thermoelectric properties of semiconductors with a view to their application for thermoelectric generation and refrigeration.

Projects of special interest : 1. Electrical properties of semiconductor surfaces.

2 Thermoelectric generation and refrigeration

3 Electroluminescence.

References : 1 Dr. K. S. Krishnan, F.R.S.  
Director, National Physical Laboratory,  
New Delhi - 12

2 Dr. T. E. Allibone, F.R.S.,  
Director, A.E.I. Research Laboratory,  
Aldermaston, Berkshire, U.K.