



THE FEDERATION OF ANDHRA PRADESH CHAMBERS OF COMMERCE & INDUSTRY

(Regd. under Companies Act, 1956)

Phones : 393658, 393428, 393712 (EPABX)
Grams : 'APCOMIND'
Telex : 0425-6038 FAP IN
Fax : 040-395083

11-6-841,
Red Hills,
P. B. No. 14,
Hyderabad — 500 004.

THE BEST TECHNOLOGICAL DEVELOPMENT IN RESEARCH AND DEVELOPMENT BY AN INDUSTRIAL / SCIENTIFIC ORGANISATION IN THE STATE — UNDER SSI SECTOR

M/s Kakatiya Electronics Pvt. Ltd., a Small Scale Industrial Unit based at Hyderabad has developed Auto Dipper, a safety device for automobiles.

It is an achievement by an Indian organisation, offering a technological solution to a road safety problem peculiar to countries like India. The product aims at minimising dazzle which is found to be a major cause for most of the night time highway accidents.

This device is capable of performing in Automotive Environment which is generally accepted as harsh in terms of vibration, shocks, temperature variation, etc. 'Dazzle' caused by vehicle head lamps (during night driving) of a vehicle is one of the major cause of night time road accidents in India.

The effort is in tune with the general course of innovations whereby repetitive operations performed by human being, are replaced by a machine to ensure an accurate, faster and fully safe performance in certain critical areas especially like dipping of automobile head lamps.

The device can contribute to promote rational driving habits and defensive driving philosophy which can go a long way in promoting road safety and so can bring about a transformation in the driving culture.

The device is designed to be user friendly in tune with the general approach adopted in automation of areas involving human factors. It also helps in reducing the fatigue by removing a repetitive and monotonous operation from a driver which helps him in achieving an improved control over other operations of driving.

The effort represents a technical correction to the problem associated with using head lamp systems in an Indian Automobile primarily designed in developed countries keeping in view their road environment and driving culture. The device incorporating infrared sensing technology and head lamp beam discrimination capability has provided its utility at the field level which is significant in areas like vehicle lighting.

This pioneering effort of M/s Kakatiya Electronics Pvt. Ltd., will contribute a lot to national economic interest by reducing night time road accidents on account of 'glare' thereby, saving valuable property and also contributing to social interest by saving invaluable human life.

For this achievement by the company in developing the Auto Dipper, a safety device for automobiles, the Federation has decided to give the Award of the "The Best Technological Development in Research and Development by an Industrial / Scientific Organisation in the State under SSI Sector" to M/s Kakatiya Electronics Pvt. Ltd., Hyderabad.





R. Ramakrishnan
Adviser - Technical

Ashok Leyland Limited
19, Raja's Salai,
Chennai-600 001.

February 3, 1997

Mr R Lakshmana Rao
Managing Director
Kakatiya Electronics Pvt Ltd
Plot NO 46
Electronics Complex (Extn)
Kushaiguda,
Hyderabad - 500 062

Dear Mr Lakshmana Rao,

I refer to your letter dt 29th January 1997. Please accept my heartiest congratulations on your winning the award from the Federation of Andhra Pradesh Chambers & Industry

It is indeed a fitting acknowledgement of the efforts you have put in, in the development of the product, notwithstanding the misgivings that I have expressed to you about the contribution it can make to road safety in India where we do not even have a good analyses of the causes of road accidents.

Yours sincerely

R Ramakrishnan



TATA ENGINEERING AND LOCOMOTIVE COMPANY LIMITED

BOMBAY HOUSE, 24 HINGIRI MOOT STREET, MUMBAI- 400 001.

V. M. Raval
Executive Director
(Automobiles Business Unit)

12th February, 1997

Mr P R Lakshmana Rao
Managing Director
Kakatiya Electronics Pvt Ltd
Plot # 46
Electronics Complex (Extension)
Kushaiguda
Hyderabad 500 062

Dear Mr Rao,

Many thanks for your letter dated 6th February.

It is a pleasure to hear that you have received "The Best Technological Development Award" from the FAPCCI. Our congratulations to you and your team.

We would also like to take this opportunity to wish you all the best for the future.

With kind regards,

Yours sincerely,

V M Raval



CIRT

CENTRAL INSTITUTE OF ROAD TRANSPORT

Bhosari, Pune - 411 026, India

Tel : 795177, 795292. Gram : CIRT, Pune - 26 Telex : 146-212 CIRT IN Fax : 0212-795426

E-Mail : cirt@pune.dartnet.com

11 FEB 1997

P.C. BARIJATIA
Scientist 'D' &
Management Representative

Ref. No. : CIRT/QAS/

4132

Dear Shri Lakshmana Rao,

I am in receipt of your letter dt. 6th Feb. 1997 informing about the receipt of "The best technological development in research and development by an industrial/scientific organisation in the state - Under SSI Sector" Award from the Federation of Andhra Pradesh Chambers of Commerce & Industry. I am delighted to know and send my Heartiest Congratulations on the same.

With kind regards,

Yours sincerely,

Shri P.R. Lakshmana Rao,
M/s Kakatiya Electronics (P) Ltd.,
Plot No. 46,
Electronic Complex (Extn. 1),
Kushalguda,
Hyderabad - 500 062
Andhra Pradesh

केन्द्रीय सड़क अनुसंधान संस्थान
(भारतीय नव औद्योगिक संशोधन परिषद्)



CENTRAL ROAD RESEARCH INSTITUTE

(COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH)

Mathura Road, P.O. CRRI, New Delhi - 110 020 (INDIA)

Ph: 91-011-6846976

91-011-6832173-380

Cable: ROADSEARCH

Fax: 91-011-6845943

E-Mail: root@cscrr.rii.nic.in

Dr. S. M. SARIN
Dy. Director and

Head, Environment & Road Traffic Safety

M. E. (Road) (Highway Engg.)

M. Sc. (Traffic Engg.)

M.A. (Public Adm.)

Ph. D. (Environment & Transportation)

No.ES-Equip(1-1)/96

Dated 19.2.1997

Dear Shri Rao,

It is a occasion of great pleasure that you have received the best technological development award from FAPCCI for developing Auto Dipper. I on behalf of myself, my staff members heartily congratulate you for receiving the above well deserved award.

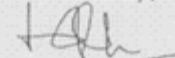
I have personally seen the efficacy of the autodipper developed by you, I feel that it will really prove as a boon for motorist who drive during night time specially on highways/undivided carriageways. It will certainly give them relief in combating glare problem.

I also appreciate the willingness shown by M/s APIDC VCL for funding it's manufacturing on commercial scale. I wish you all success in its launching in the market on a big scale.

We appreciate your interest in Research and Development and also the patience shown by you since Auto Dipper's initial development stage to it launching stage.

With warm regards,

Yours Sincerely,


(S.M. Sarin)

Shri P.R. Lakshmana Rao,
Managing Director,
Kakatiya Electronics (P) Ltd.,
Plot No.46, Kushalguda,
HYDERABAD-500062

55