

**55** वार्षिक रिपोर्ट  
**ANNUAL REPORT**  
2008-2009

**Catalysing Entrepreneurship with Innovations**

**नेशनल रिसर्च डिवेलपमेंट कारपोरेशन**  
(भारत सरकार का उद्यम)

**National Research Development Corporation**  
(A Government of India Enterprise)

# 55<sup>th</sup> वार्षिक रिपोर्ट

## 55<sup>th</sup> ANNUAL REPORT

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Chairman & Managing Director  
**Shri Somenath Ghosh**

funṣ'kd

Directors

**MkW folhq jf'e**

1/3-5-2008 rd rFkk 08-07-2008 dks i qfuz, qDr½

**Dr. Vibhu Rashmi**

(upto 03.05.2008—reappointed w.e.f. 08.07.2008)

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xqrk jkt , M dEi uh  
I unh yṣ'kkiky  
fnYyh-110 006

Auditors

**Gupta Raj & Company**  
**Chartered Accountants**  
**Delhi -110 006**

cḅj

Bankers

LVV cḅj vKḅ gñjckn] ubz fnYyh-110 048  
bf.M; u cḅj ubz fnYyh-110 048

**State Bank of Hyderabad, New Delhi-110 048**  
**Indian Bank, New Delhi-110 048**

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dṣyk'k dkykuh , DI Vḅku  
ubz fnYyh-110 048

Registered Office

**'Anusandhan Vikas'**  
**20-22, Zamroodpur Community Centre**  
**Kailash Colony Extension**  
**New Delhi-110 048**

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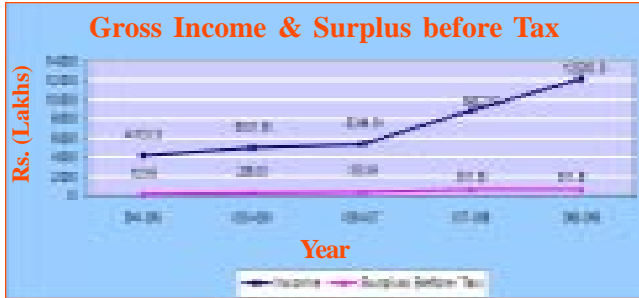
107 f'kok Øik

8oka esj 19oka Økl  
eky's oje-  
cakyu -560 055

Regional Office

**107 Shiva Krupa**  
**8th Main, 19th Cross**  
**Maleswaram**  
**Bengaluru-560 055**





l dy vk; vj dj i dzvf/k'k dk c<Rkk gq/k : >kuA  
Rising trends of gross income and surplus before tax.



chfe; e vj j;; YVh l svk; dk c<Rkk gq/k : >kuA  
Growing trends of income from premia and royalty.

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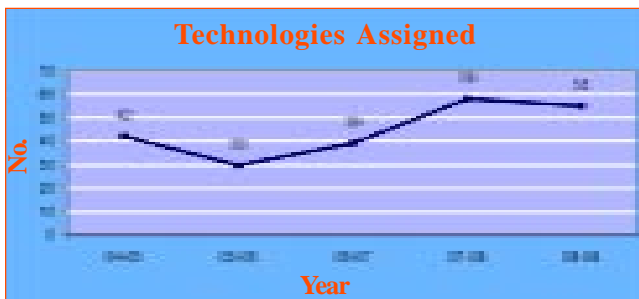
### INCOME FROM LICENSING OF TECHNOLOGIES

#### Lumpsum Premia and Royalty

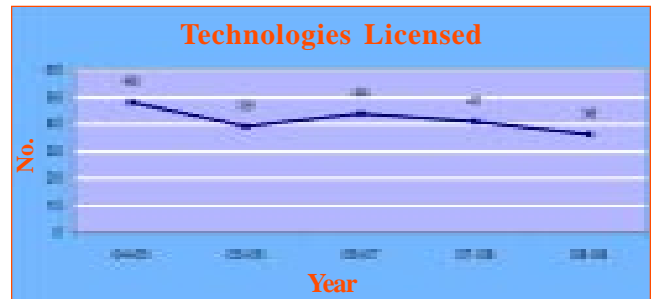
Your Corporation's consolidated lumpsum premia income from licensing of indigenous technologies has increased to Rs.120.42 lakhs as compared to Rs.102.82 lakhs in the previous year. The income from royalty has shown an increase during the year and reached Rs.642.11 lakhs as compared to Rs.316.46 lakhs in the previous year.

### WORKING RESULTS

The Gross Income of the Corporation from all sources, including premia and royalties, excluding Grants-in-Aid, is Rs. 1220.29 lakhs as compared to Rs. 882.61 lakhs in the previous year. Your Corporation's performance has been evaluated on the basis of audited data by the Department of Public Enterprises viz-a-viz the MoU with Government of India for the year 2007-08 and we are glad to report the rating has been Excellent.



l ka h xbz Á©| Áxfd; ka dh RkyukRed ÁLRkRkA  
Comparative presentation of technologies assigned.



vuKIRk Á©| Áxfd; ka dh RkyukRed ÁLRkRkA  
Comparative presentation of technologies licensed.

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 dk; kÿ; ] ckyw A

Shri V. Raghuram, Manager,  
 NRDC, Regional Office, Bengaluru  
 is receiving lumpsum premium  
 cheque for potassium humate  
 technology from Shri R.  
 Ponusamy of Greentech Agro,  
 Thiruvannamalai.



### I kã h xbz Áfof/k; ka o vuKfirK djKj

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- dlnh; vkywvuq' dku l l.Fkk] f'keyk
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### PROCESSES ASSIGNED AND LICENCE AGREEMENTS CONCLUDED

The Corporation continued to lay emphasis to broaden and strengthen the technology source by nurturing long-term relationships with R&D institutions as well as universities, technical organisations, industries and also individual inventors. In this endeavour, the Corporation signed Memorandum of Understanding/Agreements with the following new organisations for assignment of technologies developed by them :

- Vivekanand Parvatiya Krishi Anusandhan Sansthan, Almora
- Centre for Development of Telematics (C-DoT), Bengaluru
- Neyveli Lignite Corporation Ltd., Neyveli
- National Institute of Communicable Diseases, New Delhi
- University of Agricultural Sciences, Bengaluru
- Central Potato Research Institute, Shimla
- Tamil Nadu Agriculture University, Coimbatore

During the year, 55 new processes were assigned to the Corporation. Some of the commercially important processes assigned to the Corporation were:

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- I wjka dsfy, 'kndj Toj j'xk.kv/ka dk Vhdk
- 'kgRkk dh [Rkh dsfy, T'od mojd&d'Q'edI
- I Qn I Mh dk Ácaku&T'odhVuk'kd
- IyflVd yá o 'khV ij p'gk j'gkh foyi u dsfy, ?k'Qy cukus dh Áfof/k
- i'Qka ea g'us okyh QaxY chekfj; ka I s I g'kk ds fy, i kni dhVuk'kh Qkeiyk
- vkbchMh ok; jI I Øe.k I hje funku gRkqbE; w'vI s
- yáVW ik; j'QI I dsfunku gRkq, h'htku vk/kkfjRk , fyl k
- ePNjka dh i'ñkokj d'j'edus dsfy, fo'Qk dnyj

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- vfrk vo'k'kd gkbM'Qy
- cfl yI Fkqj'fTá I okj vk/kkfjRk ePNj fMEHkuk'kh Qkeiyk



, u vly Mh I h }kjk ePNjka ds ykoluk'kh cfl yI Fkqj'fTá I okj bTkjk; yául ds Qkeiy s d' es vferk ck; Q'ad ¼Ák-½ fyfeVM] d'QydlRk d'vuKfIRk fd; k x; kA

NRDC licensed mosquito larvicidal formulation of bacillus thurigiensis var israelenis to M/s. Amit Biotech Pvt. Ltd., Kolkata.

- Potassium humate from lignite
- Swine fever virus cell culture vaccine for pigs
- Corpomix—a bio-fertilizer for mulberry cultivation
- Management of white grubs—a biopesticide
- A process for manufacturing sols (lacquers) suitable for deposition of anti-reflective coating on plastic lenses and sheets
- Plant origin based pesticide formulation against fungal disease of plants
- A rapid immunoassay for serodiagnosis of infectious bursal disease (IBD) virus infection
- Recombinant antigen based ELISA for serodiagnosis of leptospirosis
- Evaporative cooling apparatus resistant to vector breeding

Despite the world wide economic recession, the Corporation managed to sign 36 licence agreements during the year whereas during the previous year, the Corporation managed to achieve and sign 41 agreements. During the year, some of the major technologies licensed by the Corporation were:

- Super absorbent hydrogel
- Mosquito larvicidal formulation of bacillus thurigiensis var israelensis

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Dr. Jitendra Kumar and Dr. Suresh Walia, Scientists of IARI, New Delhi explaining "Extraction of Azadirachtin and its formulation technology" to Shri Lingaraj Baswaraj Appa of Srinidhi Biotech Pvt. Ltd., Karnataka.



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- uhe vk/kkfjRk i hM@luk'kh Qke@y k
- xS l s Tky dk vi nknu o l YQj dh AfRk
- fl xjV/ ds /k@ l s upl kunk; d A@qk v,DI hM@/ dk fo; @Tku Rkfk i jk-c@Tk@ ehfDou@u d@ Ahkko h <@ l s de djus gRkq l Øh; pkj d@y fQYVj
- fyXukbV l si kVf'k; e g; @V
- LFkklbz vTKkfMjSDVu o bl dk Qke@y k

vkxkeh o"K@eabu Afof/k; ka l si ; kRk j, ; Yvh AkIRk g@us dh vk'kk g@

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- Extraction of azadirachtin from neem seed kernel
- Neem based pesticide formulation
- H<sub>2</sub>S removal and sulphur recovery from sour gas
- Process for isolation of a major harmful oxidant from cigarette smoke and activated charcoal filter for effectively reducing para-benzonsemiquinone
- Potassium humate from lignite
- Stable (reduced) azadirachtin and its formulations

In the coming years, the Corporation expects substantial royalty from these processes.

A complete list of new processes assigned to the Corporation during the year is given in **Annexure-IA**, while the details of the new licence agreements signed during 2008-09 is given in **Annexure-IB**.

**ROYALTY AGREEMENTS SIGNED BY THE CORPORATION FOR TECHNOLOGY PROMOTION AND DEVELOPMENT PROJECTS SUPPORTED BY DSIR**

DSIR has been extending financial support under its "Technology Development and Demonstration Program" (TDDP), a part of "Technology Promotion Development Utilisation Program" Scheme involving research laboratories/institutes, industries and consultants. The Corporation has been entrusted with the pivotal role

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- Ak; 9xd l a = Jskh i j gkbM9y ds mRi knu gRkk Af0; k dk fodkl o An'kz
- d8 j dsfodj .k mi pkj gRkkLons kh j6M; 99i h fl eyVj 1/4kj Vh , l 1/2 dk fodkl

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o"lz 2008 l sbu i j Ldkj ka d9 fuEufyf[kRk Rkhu Jf.k; ka ea cka/k x; k g%

to play and to identify and manage Intellectual Property Rights, such as Patents, Designs, Copy Rights, etc., to be generated out of these projects and to extend help in IPR search and to take all actions for collection of royalties including legal action, if any, required for recovery of outstanding dues.

The following major projects were undertaken during the year :

- Glargine—a human insulin analogue process improvement
- Development of small PV–wind hybrid power plant for rural application
- Development and demonstration of process for manufacture of hydrogel at pilot plant scale
- Development of indigenous radiotherapy simulator (RTS) for radiation treatment of cancer

### INVENTION PROMOTION PROGRAMME

The Corporation continued to promote and encourage inventive talent amongst scientists, engineers, industrial workers and students by awarding prizes for meritorious inventions.

From the year 2008, the prize awards were categorised into the following three categories, viz.—



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Prof. Samir K. Brahmachari, Secretary, DSIR & Director General, CSIR giving away the award citation and trophy to Shri Sudip Nag, Research Scholar, IIT, Mumbai, awarded Inventor at Innovate India 2008. Also seen on his Left, Dr. G.S. Jaiya, Director, SME Division WIPO, Geneva and Shri R.R. Abhyankar, Scientist 'G', DSIR and on his Right, Shri Somenath Ghosh, CMD, NRDC.

- ,u vkj Mh I h uokpkj ijLdkj
- ,u vkj Mh I h I ekTkh; uokpkj ijLdkj
- ,u vkj Mh I h mnh; eku uokpkjh ijLdkj

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- NRDC Innovation Award
- NRDC Societal Innovation Award
- NRDC Budding Innovators Award

Since inception, 1754 inventors for 893 inventions have been awarded. During the year, the Corporation announced cash awards amounting to Rs.5 lakhs for the following inventions :

Award Category	Institution	Invention	Award
<b>Societal Innovation Award</b>	Eco-friendly novel technology for managing white grubs in north-west Himalayas	Vivekanand Parvatiya Krishi Anusandhan Sansthan, (ICAR) Almora	Rs. 3 lakhs
<b>Budding Innovators Award</b>	"The charismatic chair" a boon for children with cerebral palsy	MM Institute of Physiotherapy & Rehabilitation, Mulana, Ambala	Rs. 1 lakh
<b>Innovation Award</b>	Silicon locket for WEB enabled cardiac diagnosis	IIT, Mumbai	Rs. 1 lakh
<b>Innovation Award</b>	No award has been given under this category		

The Corporation announced one WIPO Gold Medal for the best invention of the year "Fault Current Limiter for LT Switchgear and Appliances" and also one WIPO Gold Medal for best woman inventor for the year 2007 for invention "A high performance polymeric syntan for eco-benign chrome tanning".

The awards were presented by Prof. Samir K. Brahmachari, Secretary, DSIR & Director General, CSIR on 13<sup>th</sup> October, 2008. During the ceremony, awarded inventions were also displayed.

## Innovate India–Conference on Leveraging Innovations & Inventions: Enhancing Competitiveness

Innovation played a key role in furthering the cause of socio-economic development of the country by shaping and improving industrial performance, determining productivity growth, creating market for skilled labour and thus generating space for industries to compete in the international market.

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NRDC provides innovators a platform through their  
 annual event Innovate India 2008 for enhancing their  
 understanding of the incentives and adding new ways  
 of diffusion of technology.

The event was planned as a business event  
 comprising of a Conference on “Leveraging Innovations  
 and Inventions: Enhancing Competitiveness” coupled  
 with interactive I<sup>3</sup> forum. The two day Conference  
 focused on Harnessing Innovations and Inventions for  
 Competitiveness, Managing Collaborative R&D: Public  
 Private Partnership, Capacity Building for Design and  
 Engineering, Intellectual Property and Technology  
 Delivery System, Financing Innovations and Technology  
 Transfer: Case Studies.

Whereas under interactive I<sup>3</sup> forum, two parallel  
 sessions were conducted in which one was a  
 competition among the prospective women  
 entrepreneurs for framing and implementing of their  
 business plan. In this program, out of nine proposals,  
 five proposals were awarded cash prizes to  
 encourage their creativity. In the other parallel session  
 on “Rural and Household Technology”, out of 30 short  
 listed proposals, 10 proposals were provided financial  
 support to the tune of Rs.1 lakh each for  
 implementation of their proposed projects.

The conference was well attended and  
 appreciated by the participants.

### Intellectual Property Consultancy and Management

As the latest technology adoption and globalisation  
 reshaped the world economy, intellectual property has  
 grown in importance and taken a centre stage.  
 Therefore, it has become necessary to protect our  
 intellectual property in face of stiff global competition.  
 At the same time it is also necessary to invest wisely  
 to enhance the skill and knowledge base of scientists  
 through secured in-house and external professional  
 training programs, interpreting and analysing the  
 techno-legal and business information contained in  
 IP documents. Realizing the importance, the  
 Corporation continued its drive to create awareness  
 about IP protection and management, developing

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GI Road Show on "Protection of  
 Geographical Indications in India"  
 organized by the Corporation in  
 collaboration with US Embassy at  
 Bengaluru.



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specialized skills in certain sections of technology  
 besides conducting an advanced training program for  
 drafting.

During the period under review, the Corporation has  
 conducted 17 such awareness and training programs  
 in different parts of the country to make the scientists  
 IPR savvy. Two programs were conducted in the North-  
 East, seven in the North India, two in Central India, three  
 in South India and three programs in the Eastern part  
 of the country. All these programs have been conducted in  
 collaborative mode either with the State S&T Councils  
 or with Universities. The subject coverage in these  
 programs were appreciated and regular requests are  
 being received.

The Corporation has reached out to various R&D  
 institutions and universities for educating scientific  
 fraternity about the importance of protection of IP assets  
 in the knowledge era by delivering lectures of importance  
 such as Patenting System in India, the Rationale of  
 Protection of Geographical Indications of Goods, State-  
 of-the-art searches, Trade Marks Registration  
 Procedure, IP Valuation and Management, Agricultural,  
 Biotechnology and many more. The Corporation  
 organized and delivered 49 lectures in various institutes  
 and remotely located universities.

The Corporation strengthened its patent portfolio  
 by filing 75 patent applications in India in various

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sectors of technologies for individual inventors, universities, R&D institutes through its National Patent Protection Scheme and provided financial, technical and legal support to protect innovation and inventions. The success of the Corporation in securing Indian Patent is phenomenal as the Corporation, before filing any patent application, ensured the novelty aspect of these inventions by conducting on line international patent searches.

This facility of conducting on-line patent searches is not limited to the patent applications being filed by the Corporation but the Corporation also provided these services to universities, R&D institutions, different central and state government departments to facilitate their evaluation of their research projects supported by them involving the creation of intellectual property. During the year 2008-09, 62 state-of-the-art searches have been conducted by the Corporation.

The Corporation is also expanding its footprint across other areas of IP development and policy formation. During the year, the Corporation established its presence in this sector by submitting proposal on IPR policy formulation to a renowned university as a new beginning which is expected to improve the market position of the Corporation in the field of IPR.

### **Basic Engineering Design Package (BEDP)**

The Corporation now has its own in-house facility to provide Basic Engineering Design Package. The activity was started with the major objective to provide value-addition to the promising technologies for their quick and effective utilisation and commercialisation.

During the year, 12 BEDPs were developed, which are as follows :

- Herbal health drink
- Nested PCR (Polymerase Chain Reaction) technology for TB detection
- Swine fever virus cell culture vaccine for pigs
- Potassium humate from lignite

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- Bio-diesel
- CATSOL–removal of sulphur from LPG before firing
- Herbal ghee
- Extraction of azadirachtin from neem seed kernel
- Bio-release micro-nutrient zinc fertiliser
- Cassava starch
- Fruit processing (Pineapple)
- Super absorbent hydrogel

BEDP prepared help in obtaining idea on the plant and equipment required, investment on the project, etc., and facilitate the marketing of the technology. Out of 12 BEDPs prepared, the Corporation has already licensed 7 technologies. There are other technologies like cassava starch, fruit processing, bio-diesel, etc., which has market in African countries and with the help of BEDP, the Corporation, is negotiating with number of clients for these projects in Africa.

**Angel Funding by way of Equity**

During 2008-09, the Corporation has disbursed Rs. 30 lakhs as equity to M/s. Uniphore Software Systems Pvt. Ltd. and signed investment agreement with them. VoiceNet, a product of Uniphore Technologies has the potential for phenomenal reach due to its natural interaction mechanisms using personalized information delivery in a conversational medium. The architecture and system design of VoiceNet allows it to use inaccurate and present day speech recognition technologies as it is, and make it useable and accurate.

**TECHNOLOGY PROMOTION PROGRAMME**

**Promotion of Rural and Household Technology**

To demonstrate the utility of the rural technologies and ensure their faster dissemination, the Corporation is closely working with NGO's and other developmental agencies and taking appropriate technologies to rural areas. During 2008-09, various rural based programs were undertaken that has generated direct employment to approximately 10,000 persons.



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*Experts Panel deliberating in the 1<sup>st</sup> Forum for selection of project proposals on rural and food processing technologies during Innovate India 2008.*

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The Corporation provided forum to NGOs and other developmental agencies in exchanging ideas on taking innovative technologies to rural areas by way of launching informal Forum on Rural and Household Technology during Innovate India 2008 at India Habitat Centre, New Delhi and provided support to ten developmental agencies in implementing various projects, viz., soya fortified biscuits in Gazipur (U.P.), glass beaded jewellery in Bastar (Chattisgarh),



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*Computer aided carpet design program organized at Jaipur for Nagaland trainees.*

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computer aided carpet design in Nagaland, white grub control in Bageshwar (Uttarakhand), Anushree washer pump for drinking water in Ranchi (Jharkhand), novel food products in Udaipur (Rajasthan), high value azolla feed in Kanyakumari (Tamil Nadu) and seasoned puffed rice in Angul (Orissa).

The Corporation also networked with Centre for Social Reconstruction, Nagercoil, Kanyakumari in introducing the improved method of the production of palm candy among palmgur producers in rural areas and also participated in awareness programs conducted by Aromatic Plants Growers Association of Bihar, Patna in Purnea Distt. (Bihar) for cultivation and processing aromatic plants.

To highlight new emerging rural technologies, the Corporation participated in 10 exhibitions during the year and displayed products and machines to create awareness among rural populace on income generating activities.

**INFORMATICS FOR TECHNOLOGY TRANSFER**

**Exhibitions and Publicity**

Participation in exhibitions, seminars, workshops and entrepreneurship development programs are of vital importance for the creation of awareness about

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Shri D.C. Joshi, Sr. Manager discussing with visitors at NRDC stall in International Bio-Expo, Tokyo, Japan.



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- gcly bñjuskuy] ubZfnYyh 4-6 vÁy] 2008
- ck; ®, DI i¶ caxyw 24-26 vÁy] 2008
- e,Muze'khu 'k,i 2008] ubZfnYyh 25-29 vÁy] 2008
- QM , .M VDU,y¶kh , DLI i¶ ubZfnYyh 3-5 eb] 2008
- bñjuskuy ck; ®, DI i¶ V¶; ¶ Tki ku 2-5 Tkaykb] 2008
- eYVh Mk; eakuy , DI i¶ t; ij 19-21 Tkaykb] 2008
- e¶cbZ Vd , DI i¶ e¶cbZ 5 vxLRk] 2008
- jokMk bñjuskuy VM Qs j] jokMk 28 vxLRk-8 fl Rkaj] 2008
- 12oka uskuy , DLI i¶ d®ydkRk 5-10 fl Rkaj] 2008

the role of the Corporation in technology transfer. With this objective in view, the Corporation participated in 27 exhibitions, seminars and get-togethers in India and abroad organised by various agencies as detailed below:

- Herbal International, New Delhi 4-6 April 2008
- Bio Expo, Bengaluru 24-26 April 2008
- Modern Machine Shop 2008, New Delhi 25-29 April 2008
- Food and Technology Expo, New Delhi 3-5 May 2008
- International Bio-Expo, Tokyo, Japan 2-5 July 2008
- Multi-Dimensional Expo, Jaipur 19-21 July 2008
- Mumbai Tech Expo, Mumbai 5 August 2008
- Rwanda International Trade Fair, Rwanda 28 August-8 September 2008
- 12th National Expo, Kolkata 5-10 September 2008



dkfgjk] fel : eavk; ¶TRk , fuey Vd , DLI®ea , u vkj Mh l h ds ikl mi yCk TkURkq foKku Á¶ ¶xvd; ka ds fo"K; ea pplz djR®gg m|ehA

Entrepreneurs discussing the animal science technologies available with NRDC at Animal Tech Expo at Cairo, Egypt.

phu ea , f'k; u bu<sup>o</sup>skul , DLi<sup>o</sup> ea  
 i jLNRk vkfo"dkjka dk An'kuA  
 , u vkj Mh I h dsLVky dk voy<sup>o</sup>du  
 djR<sup>o</sup> mPpkf/kdkjhx.k nk, a l s ck, a  
 A<sup>o</sup> Qu feak; h] egkfun'skd phu  
 vkfo"dkj l dk] Jh vnd oM<sup>o</sup> ]  
 v/; {h] vkb , Q vkb , } fTkuok RkFk  
 Jh oh-dseuplnk] egkAc'kd]  
 , u vkj Mh I hA

NRDC showcasing Awarded  
 Inventions at Asian Innovation  
 Expo at China. Dignitaries visited  
 NRDC Stall, seen R to L Prof. Fan  
 Mingyi, DG, China Association of  
 Inventions, Mr. Andras Vendres,  
 President, IFIA, Geneva and Shri  
 V.K.Manchanda, GM, NRDC.



- , xP<sup>o</sup> A<sup>o</sup>Vd] d<sup>o</sup>ydRkRk  
24-26 fl Rk<sup>o</sup>j] 2008
- , fuey Vd , DLi k<sup>o</sup> d<sup>o</sup>j<sup>o</sup> feJ  
18-22 vDRk<sup>o</sup>j] 2008
- b<sup>o</sup>M; k d<sup>o</sup>e] e<sup>o</sup>icbZ  
20-22 vDRk<sup>o</sup>j] 2008
- , f'k; u bu<sup>o</sup>sku , DI i<sup>o</sup> phu  
6-8 vDRk<sup>o</sup>j] 2008
- egk ck; <sup>o</sup> i uk  
4-15 uo<sup>o</sup>j] 2008
- Hk<sup>o</sup>j Rk; foKku dkaxl ] f'kykx  
3-7 Tkuojh] 2009
- QM Vsd-2009] d<sup>o</sup>ph  
16-18 Tkuojh] 2009
- 14 oka vf[ky Hk<sup>o</sup>j Rk; jk"Vh; , DLi<sup>o</sup> Vkvkuxj  
4-8 Qjoj] 2009
- VsdQ<sup>o</sup>V 2009] e<sup>o</sup>icbZ  
24-26 Tkuojh] 2009
- , DTkfc'ku v,u LVdpjy b<sup>o</sup>Tkfu; fjx] : Melh  
11-12 Qjoj] 2009

### Adk'ku

A<sup>o</sup> | <sup>o</sup>xdh v<sup>o</sup>kj.k ds l azk eam | <sup>o</sup>xk<sup>o</sup> m | fe; kav<sup>o</sup>  
 Tkul k/kj.k ea ubZ Afof/k; ka ds fo"k; ea l upukvka dk  
 Apkj , d egROI w kZ Hk<sup>o</sup>iedk fuHkRkRk g<sup>o</sup> foHkLU Adkj ds

- Agro Protech, Kolkata  
24-26 September 2008
- Animal Tech Expo, Cairo, Egypt  
18-22 October 2008
- India Chem, Mumbai  
20-22 October 2008
- Asian Innovation Expo, China  
6-8 October 2008
- Maha Bio, Pune  
4-15 November 2008
- Indian Science Congress, Shillong  
3-7 January 2009
- Food Tech 2009, Kochi  
16-18 January 2009
- 14th All India National Expo, Tata Nagar  
4-8 February 2009
- Techfest 2009, Mumbai  
24-26 January 2009
- Exhibition on Structural Engineering, Roorkee  
11-12 February 2009

### Publications

Dissemination of information on new processes  
 to industry, entrepreneurs and the general public plays  
 an important role in the process of technology

Ádk'ku Hkh , d k djus dk , d l k/ku gÁ o"z ds nġku dkji ġs'ku us vi us fu; ferK Ádk'kuka Tġ s vkfo"dkj 1/ġlnh] ekfl d1/2 vġ blod ku b1/syTkd 1/2x1/2kh f]ekfl d1/2 dk Ádk'ku Tkkjh j [kk gÁ bl o"z dkji ġs'ku us fuEufyf[krk fo'k Ádk'ku fudkysġfTkueal sdġ bl Ádkj g%

- Tġ Áġ|ġfd; ka ij i"Bkædu
- ġfjRk Áġ|ġfd; ka ij iġlRkd
- Áek.ku ; ġ; ġf'k gġkq ġfjRk Áġ|ġfd; ka ij i"Bkædu
- ^yhojTka bu'os'kui , .M blod kui \*\* , ugfl æ d1/hVfVoud ij Lekfjdk
- , u vkj Mh l h&vki dk Áġ|ġfdh l k>nkj
- i 'kq Áġ|ġfd; ka ij i"Bkædu

### ckTkkj l oġk.k

dkji ġs'ku us vi uh 0; ki kfjd , Tk1 ; ka ds ek/; e l s 0; kol kf; d n1V l segRo i wZ Áġ|ġfd; ka ij ckTkkj l oġk.k djuk Tkkjh j [kk gÁ fTkl l s Áġ|ġfd; ka dk fo'ol uh; o i wZ Rkjhd s l s i sġk Rġ, kj fd; k Tkk l ds fTkl l sfd ml ds okLRkfod eV; dk Kku g' l ds vġ og Áġ|ġfdh vukLRk dh Tkk l d1 o"z ds nġku fuEufyf[krk Áġ|ġfd; ka ij ckTkkj l oġk.k fji VZ i wZ dj yh xbZ Fkt%

- l ġjka ds fy, 'kġj Toj j kxk.kq/ka dk Vhd
- l Qn l ġh dk Ádku&, d Tġ i hMek'kh
- Tġ i hMek'kh uhkTġ
- y1VW ik; jġ l ds funku gġkq , 1/hTku vk/kkfjRk , fyl k
- cfl yl FkġjTka l okj vk/kkfjRk ePNj fMEHkuk'kh Okġy
- enk ea mRi lu Qxy jġT kudka ds fy, Tġ fu; æ.k , Tk1 ds: i ea VRbdġMez

### ifj; ġkuk fu; kRk

dkji ġs'ku fi Nys vud o"k l s n1 js ns kka ea Hkġj Rkh; Áġ|ġfd; ka o e'khuka ds fu; kRk ij Tk'nsjgh gÁ dkji ġs'ku usRkduhdh l gk; Rk o Áġ|ġfd; ka ds fu; kRk ds fy, vi us nk; jsd'c<kus ds Á; kl fd, gÁ bl ÁfØ; k ea vYhdh ns kka

transfer. Important tool to disseminate one of the means of doing is through publications by using print media. During the year, the Corporation continued to bring out the regular publications *Awishkar* (Monthly in Hindi) and *Invention Intelligence* (Bi-monthly in English). During the year, the Corporation has also brought out the following special publications:

- Docket on Biotechnology
- Booklet on Green Technologies
- Docket on Green Technologies for Sustainable Agriculture
- Souvenir on Leveraging Innovations & Inventions : Enhancing Competitiveness
- NRDC–Your Technology Partner
- Docket on Animal Technologies

### Market Surveys

The Corporation carries out market surveys on commercially important technologies through professional market survey agencies in order to package the technology in credible and complete way so as to assess the realistic price at which the technology could be licensed. During the year, market survey reports on the following technologies were prepared:

- Swine fever virus cell culture vaccine for pigs
- Management of white grubs—a biopesticide
- Bio-pesticidal nemagel
- Recombinant antigen based ELISA for serodiagnosis of leptospirosis
- Mosquito larvicidal formulation of bacillus *thurigiensis var israelensis*
- Trichoderma as a bio-control agent against soil borne fungal pathogens

### Project Export

The Corporation has been emphasising its endeavour to export Indian technologies and machines to the other countries for the past several years. The Corporation has also initiated steps for widening the network for technical co-operation and export of technologies and in

d<sup>o</sup>HkkjRkh; Á<sup>o</sup>|<sup>o</sup>xfd; ka o e' khujh dsfoi .ku gRkqfd, x, Á; kl ka ds vFRkfj DRk dkj i<sup>o</sup>jsku vT<sup>o</sup>/kbuK] j<sup>o</sup>ekfu; k] Tki ku] fo; Rkuke] TkeZuh] ; wds vkfn n<sup>o</sup>ka ds l æBuka ds l kFk Tk<sup>o</sup>/h g<sup>o</sup> o<sup>o</sup>z ds n<sup>o</sup>gku dkj i<sup>o</sup>jsku ds d<sup>o</sup>kfeZka usfo; Rkuke] TkeZuh] l <sup>o</sup>xy] vkbojh d<sup>o</sup>LV] e<sup>o</sup>Tk<sup>o</sup>fEcd vkfn n<sup>o</sup>ka dk n<sup>o</sup>gk fd; ka dkj i<sup>o</sup>jsku us, fDI e c<sup>o</sup>d dsek/; e l sfonsk e<sup>o</sup>ky; }kj k mi yC/k djkbz xbz jk'k ds v<sup>o</sup>RkxRk vu<sup>o</sup>d i fj; <sup>o</sup>Tkukvka ds fy, fofHku fu; kRk e. Myka T<sup>o</sup> s e<sup>o</sup> ikeLdh v<sup>o</sup>bj l hTk VM fy-] ubz fnYyh] e<sup>o</sup> o: .k bMLVhTk fyfeVM]- e<sup>o</sup>icbz ds l kFk l æk LFkfi Rk fd, g<sup>o</sup> fuEufyf[kRk l æBuka ds l kFk l n<sup>o</sup>Hkkouk Kki u@djkj ij gLRk{kj d<sup>o</sup>jr<sup>o</sup> gq l HkkforK o; ki kfjd m<sup>o</sup>l<sup>o</sup>; ka ds fy, u<sup>o</sup>FRki jd l æk cuk, x, g<sup>o</sup>

- p<sup>o</sup>Ecj v,Q dkel ] c<sup>o</sup>f<sup>o</sup>uk Ql <sup>o</sup> l jdkj
- c<sup>o</sup>suu x.kjK; l jdkj
- o; ki kj o m |<sup>o</sup>x e<sup>o</sup>ky; ] fl ; jk fy; <sup>o</sup>u x.kjK; l jdkj
- e<sup>o</sup> e<sup>o</sup>v/ g; <sup>o</sup>efuLR<sup>o</sup> d<sup>o</sup>v n vkboj vkfcnTkku
- eyf'k; u ck; <sup>o</sup>Vdu<sup>o</sup>y, Tkh dkj i<sup>o</sup>jsku , l Mh , u- ch , p Mh
- Áczku Áf'k{k.k l LFkku] foKku o Á<sup>o</sup>|<sup>o</sup>xdh e<sup>o</sup>ky; ] fo; Rkuke l jdkj

o<sup>o</sup>z ds n<sup>o</sup>gku dkj i<sup>o</sup>jsku us vkbojh d<sup>o</sup>LV eac; yj ds fy, l a<sup>o</sup> v<sup>o</sup>g e' khujh dh vki <sup>o</sup>FR dk fu; kRk vknsk ÁkRk fd; k g<sup>o</sup>

**vkbojh d<sup>o</sup>LV ea N<sup>o</sup>h o vR; k y?kq e' khujh dk Án'kz d<sup>o</sup>nz**

dkj i<sup>o</sup>jsku usfonsk e<sup>o</sup>ky; }kj k ÁkRk foUkh; l gk; Rk l s vius y{; ds vuq i if'peh v<sup>o</sup>Yhdh n<sup>o</sup>ka ds fy, mi ; <sup>o</sup>DRk HkkjRkh; Á<sup>o</sup>|<sup>o</sup>xfd; ka v<sup>o</sup>g e' khuka ds Á<sup>o</sup>RI kgu gRkq vkfcnTkku] vkbojh d<sup>o</sup>LV ea Á<sup>o</sup>|<sup>o</sup>xfd; ka ds Án'kz v<sup>o</sup>g Á<sup>o</sup>RI kgu ds fy, d<sup>o</sup>nz dh LFkki uk dh g<sup>o</sup> fTKl dk v<sup>o</sup>g pkfjd mn<sup>o</sup>?kVv 14 Tkuojh 2009 d<sup>o</sup> HkkjRkh; fonsk e<sup>o</sup>ky; ds ekuuh; jkT; e<sup>o</sup>-h Jh vkulln 'kekZ dh mi fLFkRk e<sup>o</sup>ARkFk d<sup>o</sup>v n vkboj dsekuuh; jk<sup>o</sup>V<sup>o</sup>FRk ds l j {k.k e<sup>o</sup>g<sup>o</sup>v/ fTKuds LFkku

the process, it has tied up with organisations from Argentina, Japan, Vietnam, Germany, UK, etc., in addition to its concerted effort for marketing Indian technologies and machines to African countries. During the year the officials of the Corporation visited countries like Vietnam, Germany, Senegal, Ivory Coast, Mozambique, etc. The Corporation has also tied up with various export houses like M/s. Pamski Overseas Trade Ltd., New Delhi, M/s. Varun Industries Ltd., Mumbai for large projects underline of credit provided by Ministry of External Affairs, Government of India through Exim Bank. Strategic alliances have also been made with organisations in the countries for potential business prospects through signing of Memorandum of Understanding/Agreement with the following organisations:

- Chamber of Commerce, Government of Burkina Faso
- The Government of the Republic of Benin
- The Ministry of Trade and Industry, Government of The Republic of Sierra Leone
- M/s. Mouvement Humaniste of Cote d'Ivoire Abidjan
- Malaysian Biotechnology Corporation SDN. BHD.
- Management Training Institute, Ministry of S&T, Government of Vietnam.

During the year, the Corporation has been able to procure export order for supply of plant and machinery for boiler to Ivory Coast.

**Demonstration Centre of Small and Micro Machineries in Ivory Coast**

The Centre for Demonstration and Promotion of Technologies (CDT), set up by the Corporation at Abidjan, Ivory Coast with the financial assistance from Ministry of External Affairs (MEA), was officially inaugurated on 14<sup>th</sup> January, 2009 in the presence of Hon'ble Minister of State for External Affairs of Republic of India, Mr. Anand Sharma under the patronage of Hon'ble President of Cote d'Ivoire, who was represented by Hon'ble Foreign Minister of Republic of Cote d'Ivoire, Mr. Youssouf Bakayoko.



Jh vkun 'lel' ekuuh; fonsk jkT; e-hj HkjrK I jdkj dh mi fLFkrK ea Jh ; i Q cdk; d'g ekuuh; fonsk e-hj vkbojh d'V x.kjT; vkfcrTkkuj vkbojh d'V ea, u vlj Mh I h }kjk LFKfrK Á@] Fxdh Án'ku o Á@I kgu dlnz dli mn'kvu djR@ggA

*Mr. Youssef Bakayoko, Hon'ble Foreign Minister of Republic of Cote d'Ivoire inaugurating the Centre for Demonstration and Promotion of Technologies (CDT) set-up by NRDC at Abidjan, Ivory Coast. Present on the occasion was Shri Anand Sharma, Hon'ble Minister of State for External Affairs, Government of India.*

ij d'v n vkboj x.kjT; dsfonsk e-h Jh ; i Q cdk; ® mi fLFkrK F@ bl dki; De dh I gv/; {krk d'v n vkboj ds N'k e-h Jh veKn'Xc@u d'fycyh usdhA HkjrK ead'v n vkboj dsi d'zjktknrk o jk'Vh; f' k'kk e-h Jh fxYcVZCywysu Hkh bl vol j ij mi fLFkrK F@ bl dlnz ds vkjkk I sgh dkji g'sku d'fofHku e' khukadh vki rRkz I sl e@/krk LFKkuh; m | fe; ka dh vucl i fji PNk, a Ákrk g'pZ gA

**fu; krk I s vk;**

o'kz 2008-2009 ea dkji g'sku d' fu; krk I s d'g 22-81 yk[k #i, dh vk; g'pZ tkcfd fi Nys o'kz ; g jk'k 33-22 yk[k #i, FkA

**Á@] Fxdh I d'ku g'rk Rkduhdh Tkkudkj dh Ác'ku Á.kyh Yds, e, I ½**

o'kz 2004-05 ea dkji g'sku us Lon's kh Á@] Fxfd; ka ds Á@I kgu] fodkl o 0; ki kjhdj .k g'rk Rkduhdh Tkkudkj dh Ác'ku Á.kyh vkjkk dh FkA ; g fo'®kka ds I e'g }kjk Á@] Fxfd; ka ds; (Tkuc) e'w; ka du dsfy, , d Lo; a Ájrk , j k j'puk Rka= g'sfTKI ea Á@] Fxfd; ka ds mi ; DRk e'w; ka du g'rk o bl dnj Rkd I Hko, d I áwz Á@] Fxdh i s'j'k R@ kj fd; k Tkk I ds fTKI I sokf. kT; d I a= LFKfrK fd; k Tkk I ds v'g bl dh I Qyrk dh cg'k I Hkkouk, agka T@ Á@] Fxdh]

The program was co-chaired by Hon'ble Minister of Agriculture of Republic of Cote d'Ivoire, Mr. Amadou Gbon Coulibaly. Hon'ble Minister of National Education Mr. Gilbert Bleu Laine, who is the previous Ambassador of Cote d'Ivoire to India, was also present during the inauguration. Since its operation, the Corporation has also received large number of enquiries for the supply of various machines, which are set up at the centre to the local entrepreneurs.

**Export Earnings**

The export earnings of the Corporation amounted to Rs. 22.81 lakhs in 2008-09 as compared to Rs. 33.22 lakhs during the previous year

**Knowledge Management System (KMS) for Technology Promotion**

The Corporation, during the financial year 2004-05, had introduced the Knowledge Management System for Promotion, development and commercialisation of indigenous technologies. It is a self-propelled mechanism for systematic identification and evaluation of the technologies, by a team of experts for value addition to the extent possible for making a complete technology package for setting up commercial plant, so that the chances of its success become high. Three Expert Panels in the area of Biotechnology,

Ñf'k RkFkk vk; ðñ o gcÿ ds {=zeabl dsRkhu fo'®kK i ßy cuk, x, gA o'kz 2008-09 ea 11 cBdka ds nÿku 37 ubz Á¶] ¶xfd; ka dk eV; ka du fd; k x; kA

### ÁkFfedRkk i fj; ¶tkuvka gBkq Á¶] ¶xdh fodkl dk; Øe

m | ¶kæ ds l g; ¶ l s l ßFkkuka d® foUkh; l gk; Rk Anku djus ds ek/; e l s foFkkUu vuq ðkku o fodkl l ßFkkuka® fo'ofok | ky; ka }kjk fodfl Rk dñ egRo i wkz Á¶] ¶xfd; ka ds fodkl ds fy, dkjiÿs ku , d dk; Øe vkjBk dj jgh gA vxkeh fodkl ds fy, dkjiÿs ku }kjk ÁkRk Á¶] ¶xdh fodkl i fj; ¶tkuk, a; k Rk® Ák; ¶xd l a æka dh LFkki ukj v) Ø; ki kfjd ; k An'ku l a æ] {=h; Tkkp ds vkæMæ ÁkRk djus ds fy, gA; k mRi kn ds Áek. kh dj. k gBkq vU; vkæMæ fo'kkDRkk l ækh vkæMæ dh l BkRk vkfn ds fy, gA egRo i wkz Á¶] ¶xdh fodkl i fj; ¶tkuvka dh Áxfrk uhps cRkkbz Tkk jgh gA

### l á fjRk i fj; ¶tkuk, a

#### ef; ; ¶xd ds : i ea effky Xykbv, DI sy dk Á; ¶ djR® gq u, dñ j jÿkh l æ. k dk b'Vehdj. k

ef; ; ¶xd ds : i ea effky Xykbv, DI sy dk Á; ¶ djR® gq dñ j ds mi pkj gBkq bñM; u vl ¶l , 'ku Qj n dYVhos ku v, Q l kbd ] d'ydRkk }kjk , d dñ j jÿkh l æ. k fodfl Rk fd; k x; k gA ; g Qkelyk vucl Rkjg l smi ; ¶xh gSRkFkk ; g effky Xykbv, DI sy l s l æñ/Rk bfeu®, fl M dk bLP®ky djR® gq foFkkUu igyvkaij dk; ZdjRk gA effky Xykbv, DI sy ?kkRkd l sy YelYxUUV l sy ½ ds foi jhRk fo'®k : i l sfØ; k djRk gA ÁkÑfrkd ; ¶xdk, l d, fcd , fl M RkFkk vU; foVrfeuka ds l kfk bl ds Áhko d® c<k; k Tkk l dRk gA effky Xykbv, DI sy i k= s/ou foV®% vÿ Tkhos/ou oho% n®ka Á; ¶kæ ea , d Ácy dkjd gA

### pkyn i fj; ¶tkuk, a

#### i kni vk/kkfjRk fMEHkuk' kh Yykokl kbM½ Áfok/k gBkq ck; ® vl s dh Áhko® i kn dRk dk ijh{k. k

dkjiÿs ku d® HkkjRk; Ñf'k vuq ðkku l ßFkkUu ubz fnYyh }kjk i kni vk/kkfjRk fMEHkuk' kh Yykokl kbM½ Á¶] ¶xdh l ká h xbz gA HkkjRk o fons kkaeabl mRi kn dk foi .ku fd; k Tkk l dRk gA pñd vuq ðkku l ßFkkUu vÿ dkjiÿs ku ds i kl Áhko® i kn dRk vkæMæ ugha gA vRk% ALRko fd; k x; k fd vkæMæ vuq ðkku l ßFkkUu eagh R® kj fd, Tkk l dR® gA dkjiÿs ku us 12 yk [k #i , dh i fj; ¶tkuk ykxRk ij ck; ®

Agriculture and Ayurveda & Herbal have been formed. During 2008-09, 37 new technologies were evaluated in 11 meetings.

### Technology Development Program for Priority Projects

The Corporation has been undertaking the program for the development of some of the important technologies developed by various R&D institutes/ universities through financing to the institutes in collaboration with industry. The technology development projects undertaken by the Corporation for further development are either for setting up pilot plant, semi-commercial or demonstration plants, carrying out field trials data or other data for authentication of the product, toxicological data generation, etc. The progress on the major technology development projects is given below:

### COMPLETED PROJECTS

#### Optimisation of new anti-cancer formulation using methylglyoxal as a lead compound

An anti-cancer formulation using methylglyoxal as a lead compound for the treatment of cancer has been developed by Indian Association for the Cultivation of Science, Kolkata. The formulation has broad applications and it can cover many aspects using amino acid conjugates of methylglyoxal. Methylglyoxal acts selectively against malignant cells. Its effects can be significantly augmented with natural compounds, ascorbic acid and other vitamins. Methylglyoxal is a potent anti-cancer agent through both *in-vitro* and *in-vivo* routes.

### ONGOING PROJECTS

#### Bio-assay efficacy test for the process 'Plant based mosquito larvicide'

The Corporation obtained the assignment of the technology 'Plant based mosquito larvicide' from IARI, New Delhi. The product appears to have market both in India and abroad. Since the research institute and the Corporation do not have the efficacy data, it was proposed that the data can be generated at the research institute. The Corporation placed the work order on Centre for Research in Medical

vl s dh ÁHkkoRi knDRkk ds ijh{k.k g&kq dhV foKku fpdfRI k vuq akku dññ] eng'S d® dk; Z vkn'sk Tkkjh dj fn; k g& RkFkfi Á; 'x' kkyk vi uh opuc) Rkk ijh ugha dj I dh fTKl ij dkji'g'sku usdk; Z vkn'sk d® fujLRk dj fn; k RkFk mi j'DRk dk; Z dsfy, jk"Vh; I pkjh j'x I LFkku] ubz fnYyh dh igpku dh g&

### p'es ds yá la ij I y T y fMi d'Vx dk fodl

p'es ds yá la ij I y T y fMi d'Vx Á' fxdh I h Tkh I h vkj vkb] d'ydRkk }kjk fodfI Rk dh xbZfkhA RkFkfi n'sk eap'esdsyá la ij I y T y fMi d'Vx g&kq d'bzHh ekud mi dj.k ughaFkA bl h d®/; ku eaj [kR®gq eS , MokaM I OZ VDu,y'qth] x'p/x'k' T'k'fd igysl sgh p'esds'kh'k' d's0; ki kj eajRk g'sd' dkji'g'sku }kjk I ky T y d'Vx dh e'khu dk fodl djus dsfy, dy 20 yk[k #i, ds 50 Áfrk' Rk Hkx vFk'k-10 yk[k #i, dh vkf'k'z I gk; Rk Ánku dh xbZg& bl g&kq dkji'g'sku }kjk 5 yk[k #i, igysgh foUk; o'kz2007-08 eaTkkjh fd, Tkk ppls g&RkFk 5 yk[k #i, o'kz2008-09 eaTkkjh fd, x, g& igyh e'khu ds vDRk; j 2009 e&R®; kj g'usdh vk'k' g&

### Ákirk dh xbZ ubz ifj; 'Tkuk, %

### cká dh ydMh I s; 'fxd cukus dh ÁfØ; k ea Á' fxdh gLRk'q

cká dh ydMh d® ork'eku eaTky dh ydMh T'q s'celz Vhd RkFk gkMZOml dk , d Áekf. Rk fodYi ekuk TkkRk g& cká dh ydMh dsmri knu eal cl sÁe'k I eL; k ml dk Tky'nh [kjk g®Tkkuk g& ml d®vf/kd I e; Rkd [kjk u g'usn'sdsfy, eS , e2V'Du,y'qthTk , .M I foI T'k Ák- fy-] gñjckn d®9 yk[k #i, dh vkf'k'z I gk; Rk ds I kFk , d ifj; 'Tkuk I k'h xbZg& bl g&kq bl dsj's'k'ea; k' dh xqk/ke'efcuk I ekfo"V fd, dñ RkRoká dk ijh{k.k fd; k x; k g& fodkl dk; Z I ekirk g® p'p'k gS RkFk bl dsj's'k'Á'k.k'k'hu g& ifj; 'Tkuk I QyRk'k' d'z I w'k'g'xbz g&

### dhV iMela ds fy, T' iMduk'kh uhekt' y ij fofok vofLFk'k {®h; ÁHkkoRi knDRkk RkFk Ql y ij bl dk ÁHko

uhekt' y b i h , u RkFk v'f'k vo'k'k' gkbM'q' dk , d I fEeJ.k gSFTkI shk'Rk; 'N'k' vuq akku I LFkku] ubzfnYyh

Entomology, Madurai for carrying out the bio-assay efficacy of the product at the project cost of Rs. 12 lakhs. However, the laboratory could not meet the commitments, therefore, the Corporation has cancelled the work order and identified National Institute of Communicable Diseases, New Delhi for carrying out the above work.

### Development of a coating sol gel on ophthalmic lenses

The technology for dip coating of sol gel on ophthalmic lenses was developed at CGCRI, Kolkata. However, no standard equipment is available in the country for coating of sol gel on ophthalmic lenses. In view of this, M/s. Advanced Surface Technology, Gurgaon, who is already in the business of ophthalmic lenses has been supported by the Corporation with financial assistance of Rs. 10 lakhs being 50% share of the cost of the project of Rs. 20 lakhs for the development of the machine for coating of the sol gel. The Corporation has already released Rs. 5 lakhs during the financial year 2007-08 and Rs. 5 lakhs during the year 2008-09. The first machine is likely to be completed by October 2009.

### NEW PROJECTS TAKEN-UP

#### Technology intervention in the process of manufacturing bamboo timber composites

Bamboo timber is presently considered a proven substitute to forest timber like Burma teak and hard wood. One of the problems associated with manufacture of bamboo timber is short shelf life of bamboo strips. To improve the shelf life, a project was given to M/s. M2Technologies & Services Pvt. Ltd., Hyderabad with financial assistance of Rs. 9 lakhs. Few materials were tried to improve the shelf life without compromising with the mechanical properties of strip. The development work has been completed and the strips are under observations. The project has been successfully completed.

#### Multi location field efficacy of biopesticidal nemagel against insect pests and its effect on crop health and nematode fauna

Nemagel is a composite formulation of heat tolerant entamo pathogenic nematodes (EPN) and





*I gkj u i j e a x t e h . k M s j h m | l x l e g f o d k l d k ; D e d s v l k x l k f o p l j f o e ' l z d j k g g f o ' k A*

*Expert Panel deliberating during Rural Dairy Cluster Development Program at Saharanpur.*

mRi kn d l e p k ; d s f o d k l d k d k ; z v k j e h k f d ; k g a d k ; D e d h d n A e f k f o f ' k ' v R k v k a d k l f e b l A d k j g %

- j s k e m R i k n d k a d s j s k e d h v i k y u d s L F k u k a d s f y , A ; e x f d , T k u s o k y s v k / k p u d R k j h d k a i j l h , l v k j , . M V h v k b z e s j j e a 131 j s k e d h v i k y d k a d A f ' k f k R k f d ; k x ; k A
- j s k e m r i k n d k a d x q k o u k k o k y h j s k e d h v p , d h d h v k i f R k z g R k q d u d i g k R k Y y p e a j s k e m R i k n d l e p k ; { e e a 0 ; o l k f ; d p , d h d l n z d h L F k k i u k g R k q d k j i g s k u u s l g ; e x A n k u f d ; k g a
- , d - , d f d l k u d A f ' k f { k R k d j u s R k F k k m U u R k A e | f x f d ; k a d s A n ' k u d h l f o / k k g R k q d k j i g s k u u s , u v k j M h l h O k e z Q h Y M L d n y v k j h k f d ; k g S R k F k k j s k e m R i k n d k a d h b l e a A f R k h k k f x R k k o v k i l h c k R k p h R k d s } k j k v P N h A f R k f e ; k , a A k I R k g e j g h g a

**c- M s j h m | l x l e p k ; f o d k l**

A e | f x d h o A f o f / k d s m f p R k A ; e x d s A f R k T k k x : d R k k d h d e h d s i f j . k k e l o : i d k Q h e k = k e a v f / k ' e k n i k v f u ; f T R k k { e } k j k 0 ; F l z g e T k k R k k g s m R i k n k a d s j [ k - j [ k k o R k F k k H k k / k j . k v g f o i . k u d s i f j . k k e l o : i m R i k n k a d h f d l e ? k f v ; k g R k h g S R k F k k R e , k j f d , x , ? k f v ; k m R i k n k a d s d k j . k v k f f k z d y k k h H h d e g R k k g a , u v k j M h l h u s M s j h m | l x l e p k ; d s f o d k l g R k q

support for adopting new technologies by the clusters. The highlights of the program are summarised below :

- 131 sericulture farmers have been trained at CSR&TI, Mysore on the advanced methods of silkworm rearing in-house
- Corporation further provided support for the establishment of Commercial Chawki Rearing Centre in the Sericulture Cluster Region of Kanakapura Taluk for the supply of quality silkworm chawki to the sericulture farmers
- Corporation further strengthened NRDC Farm Field School for facilitation of farmer-to-farmer training and demonstration of improved technologies and are getting good response in terms of participation and healthy interaction by the sericulture farmers.

**B. Dairy Cluster Development**

A sizeable quantity of surplus milk gets wasted by unorganised sector due to lack of awareness of correct practices of the technology and processes, handling and storage and marketing results in poor quality products, lower product conversion results in smaller monetary returns. NRDC took a diagnostic study to identify the problems and needs of halwais

R<sup>o</sup> kj dh xbzÁ' ukoyh RkFkk Ttkx: dRkk dk; Døe ds ek/; e l s gyokb; káveBkbZ<sup>o</sup>, kj djustokys dh l eL; kvkáo vko'; dRkkvka dh igpku djustsfy, ufñkfud v/; ; u fd, gá eTjQjuxj v<sup>o</sup> l gkjuij eabl Ádkj ds l Eesy, u vkj Mh l h jkjk vk; TTRk fd, x, gáRkFkk mRi knkadh xqkoUk eal dkkj ykus ds fy, ejB eagyokb; ká ds ijLij l ffeyu dk vk; Tku fd; k x; kA dk; Døe exdk; Zkkyk l x<sup>o</sup> B] ubzÁ<sup>o</sup> fxf; ká j Ttkx: dRkk mRi uu djust sfy, ijLij l ffeyu] vuq akku o fodkl Á; x' kkykvka ds fo' kKka dh l gk; Rk l s n<sup>o</sup>/k mRi kn o eV; ofek mRi kn dh xqkoUk d<sup>o</sup> c<sup>o</sup>gRkj cukus dh Áfof/k v<sup>o</sup> i) frk d<sup>o</sup> k<sup>o</sup> f<sup>o</sup> y fd; k x; kA

### I - d,; j m | kx l epk; fodkl

ukfj; y iñk djustokys {<sup>o</sup>-ka ea d,; j l epk; , d vfrk egroi wZ {<sup>o</sup>- gsfclURkqñk; o'k ; sl epk; ; jEi jkxRk Á<sup>o</sup> fxf; ká dk gh bLR<sup>o</sup>ky dj jgsgá RkFkk Qkboj ds Á l d j . k gRkq i jkuh cupkz e' khua gh bLR<sup>o</sup>ky dj jgsgá l h l h vkj vkbZ , yti h ds ek/; e l s dkj i<sup>o</sup> s ku pkj vuq e y<sup>o</sup> yxk jgh gSRkFkk bl dk; Z gRkq foUk; l gk; Rk Hk Ánku dh xbz gá ijEi jkxRk y<sup>o</sup> ds eplkcy smPp mRi knku o dk; Z k<sup>o</sup> Rk bu ubze' khuka ds vk/kkj Hkk ykHk gá

### O; kol kf; d m | e dk l kekfTk d nkf; Ro

m | xka d<sup>o</sup> i ; kbj . k l EeRk Á<sup>o</sup> fxf; ká ds vRk j . k ds vfrkfj DRk dkj i<sup>o</sup> s ku ds l kekfTk d nkf; Ro dk fuokZg djustsfy, l 'kDRk Á; kl fd, Tkk jgsgá bl fn'kk ea mBk, x, dne ds e l s Tkj n<sup>o</sup> k ea fy<sup>o</sup> fodkl RkFkk {<sup>o</sup>-h; l Rkgyu fodkl ij fuEufyf [kRk dk; Z vkj<sup>o</sup> fd, x, %

### v- mUkj-iñZ ea igy

- feTk<sup>o</sup> e ds xkka ea feTk<sup>o</sup> e b<sup>o</sup> v<sup>o</sup> gu dk; Døe ea dh us ds fy, 500 l<sup>o</sup> ykyVsu miyUk d jkz xba mUkj-iñZ ea uohu Ák | fxdh ds Ápkj gRkqRkFkk jkf= ds l e; feTk<sup>o</sup> e ds fd l kuka dh l eL; kvka d<sup>o</sup> n<sup>o</sup> [kR<sup>o</sup> gq dkj i<sup>o</sup> s ku us feTk<sup>o</sup> e ds xkka ea 500 l<sup>o</sup> ykyVsu dk foRk j . k fd; kA xkeh. kka us bu l<sup>o</sup> ykyVsu kadh l jkguk dh RkFkk mudscPpka us Hk jkf= ea i < kbz ds fy, budk bLR<sup>o</sup>ky fd; kA

(sweet makers) through structured questionnaire and awareness programs for the dairy cluster development. NRDC organized such cluster meets at Muzaffarnagar and Saharanpur and one to one meet with halwais at Meerut to create awareness on improvement of quality of products. The program was structured to include workshop, seminar, one to one meet with halwais creating awareness on new technologies, processes and methods to adopt and improve the quality of milk product and value added product with the help of experts panel from R&D organizations.

### C. Coir Cluster Development

Coir cluster is the most important sector in the coconut growing areas but unfortunately the clusters are still practicing traditional technologies and old looms for processing of fibre. Corporation provided financial support for distributing and installing of four Anupam Looms through CCRI, Alleppey. These looms have a basic advantage of high productivity and higher efficacy as compared to the traditional looms.

### SOCIAL RESPONSIBILITY OF BUSINESS ENTERPRISE

Apart from transfer of eco-friendly technologies to the industry, vigorous efforts are being made to meet the Social Responsibility of the Corporation. With a view to take a step in this direction, the following initiatives for Gender Development and Regional Balance Development in the country were undertaken during the year:

#### A. North-East Initiatives

- Provided 500 solar lantern to Mizoram Intodelhna program for distribution to villagers in Mizoram—To propagate new technology in the North-East and looking at the problem faced by the farmers of Mizoram during night, the Corporation distributed 500 solar lantern in the various villages of Mizoram. The solar lantern were appreciated by the villagers and used by their children for study at night also.

- Lo; a j'f'ixkj gñq bEOfy] bVluxj Rfkk vxjRlyt ea Mkbfoax ij , d fnoI h; Tkkx: dRkk&o&vfflkÁj.k dk; Dæ&mÜkj-i whz jkT; ka ea R'f'kh I s g® jgs v©| f'xdj.k Rfkk ; pkvlaeam | ferkk dk fodkl djusdh fr'lk eadkji g'sku use.khi.g] v: .kkpy Ánsk Rfkk f=i.jk ea Rkhu Tkkx: dRkk dk; Dæla dk vk; f'ku fd; ka dk; Dæla ea ÁR; d jkT; ea yxHkx 100 ; pkvlaushkx fy; k Rfkk m | ferkk d®c<kok nus dsfy, mlgajkT; vj dñzI j dj dh fofHku ; f'kukvæI s voxRk dj; k x; ka
- feT'je ea gYnh dk I g 'k'qdu&dkji g'sku }kjk feT'je ea gfjRk Á©| f'xdh dsek/; e I s gYnh ds I g 'k'qdu ds ÁI d dj.k Áfof/k dh ij; f'kuk dh LFkki uk dk dk; j'kk fd; k x; k gÁ ij; f'kuk dk , d Hkx g'us ds ukR® dkji g'sku us feT'je ea I g 'k'qdd dh 6 bdkbz; ka dh vki f'kz o I f'kki u fd; k gÁ bl dsfy, T'je ÁTkkz fodkl , Tkl h f'f'q-b-Mh, -½ feT'je ds ek/; e I suo , oa uohdj.kh; ÁTkkz ea=ky; }kjk foÜk Ákirk fd; k x; ka
- f'kykx ea [kk | ÁI d dj.k ij byDVWud Mvk Ág fl x f'omhi h&mÜkj-i whz {®= ea cckuh mRi knka dk foigy mRi knu g'fkk g's f'kI I s [kk | ÁI d dj.k {®= dh mlufRk dh vR; f/kd I hkkouk, a gÁ f'kykx ea Qy@I CTkh ÁI d dj.k ij 6 I IRkkg dk Áf'k{k.k dk; Dæ vk; f'TRk fd; k x; ka bl dk; Dæ ea 25 ; pkvka us Hkx fy; k Rfkk mueaI s dñ us x'g LRkj ij Tkl ] vpkj vkfn cukus dk dk; Z'kq Hkh fd; k gÁ
- mÜkj-i wh jkT; ka ds vif'kz i q: Rfku gñq Á©| f'xdh dh vko'; dRkk vj eV; kdu&bl v/; ; u d® dkji g'sku }kjk vf/k'f'k fd; k x; k Fkk Rfkk ; g dk; Z y?kqm | f' i f'j'knj- d'ydRkk d®I k k x; k FkkA v/; ; u dk; Z I ekirk g® p'p'k g's Rfkk ÁLRkk fd, x, I f'koka ds dk; k'o; u g'kqfji f'Z ij v/; ; u fd; k Tkk jgk gÁ

**c- efgyk m | ferkk fodkl dk; Dæ Wyx fodkl ½**

- d,y'k fo | k'f'kz ka ea m | ferkk d® ÁRI kgu&efgyk m | ferkk fodkl dk; Dæ dkji g'sku ds }kjk efgykvka eam | ferkk d® ÁRI kgu nus ÁfjRk djus vj c<kok nus ds fy, pyk; k Tkk jgk gÁ bl dk fu"i knu fofHku

- Awareness-cum-motivational program on driving for self-employment at Imphal, Itanagar and Agartala—In order to accelerate the growth of industrialization in North-Eastern States and develop entrepreneurship among youth, the Corporation conducted three awareness program at Manipur, Arunachal Pradesh and Tripura. The programs were attended by about 100 youths in each state and they were informed about the various schemes of State and Central Government for encouraging entrepreneurship.
- Solar drying of turmeric at Mizoram—A major initiative has been taken by the Corporation in Mizoram to set up a project for the processing of turmeric through green technology. As a part of the project, the Corporation supplied and installed 6 modules of solar driers for drying turmeric in Mizoram. The funds for this project were provided by Ministry of New & Renewable Energy (MNRE) through Zoram Energy Development Agency (ZEDA), Mizoram.
- EDP in food processing at Shillong—North-Eastern Region is rich in production of large number of horticulture products which provide tremendous potential for growth of food processing sector. A six-week training program was conducted at Shillong on fruits/vegetable processing. Twenty five youths attended the program and some of them have set up cottage level manufacturing facilities for making juices, pickles, etc.
- Need for technology & its assessment for economic resurgence of North-Eastern States—This study was commissioned by the Corporation and the work was awarded to Indian Council of Small Industries, Kolkata. The study has been completed and the report is under implementation.

**B. Women Entrepreneurship Development Program (Gender Development)**

- Promoting entrepreneurship amongst college students—Women Entrepreneurship Development Program is being carried out by the Corporation to promote, inspire and encourage women to take up

baM; k gchVW I Wj] ubz fnYyh ea vk; qTTRk efgyk m|feRkk fodkl dk; DøeA

Women Entrepreneurship Development Program organized at India Habitat Centre, New Delhi.



LFkkuka ij vucl I qghdj .k dk; Døe] 0; k[; ku] I x<sup>q</sup>B] dk; Zkkyk dsek/; e I smi ; ØRk Á<sup>q</sup>l q<sup>q</sup>xfd; kaij I p<sup>u</sup>kvka ds ÁI kj .k I sfd; k Tkk jgk gA ; s dk; Døe ifj; q<sup>q</sup>kuk vk/kkfjRk I p<sup>u</sup>k, ami yC/k djKR<sup>q</sup> gsfTKuea ifj; q<sup>q</sup>kuk@ 0; ogk; Rkk fji<sup>q</sup>VZ R<sup>q</sup>; kj djuk] mi ; ØRk Á<sup>q</sup>l q<sup>q</sup>xfd; k efgykvka dsfy, foUkh; I LFkkuka@I jdkj dh fofHku ; q<sup>q</sup>kukvka ij I p<sup>u</sup>k RkFkk I QyRkk ds I ekpkj vkfn fufgRk g<sup>q</sup>gA

nf{k. kh jkT; ka ds fofHku fo' of | ky; ka ea efgykvka ds e/; m|feRkk d<sup>q</sup>Á<sup>q</sup>l kgu nusdsfy, bl Ádkj ds 14 dk; Døekadk vk; q<sup>q</sup>ku fd; k x; kA bueal sdn HkkjRkhg fo' ofo | ky; ] d<sup>q</sup>; Rkij] vfouk' kfyæ efgyk fo' ofo | ky; ] d<sup>q</sup>; Rkij] HkkjRkhn'ke fo' ofo | ky; ] frk: fpjki Yyh] vyXI i k fo' ofo | ky; ] dkjkbdlh enj Vjd k efgyk fo' ofo | ky; ] d<sup>q</sup>MkbZ duky] xkdkhkte xkeh. k fo' ofo | ky; ] ifj; kj efu; Eekbz fo' ofo | ky; ] xkdkhkte] vkjVh, e ukxi g fo' ofo | ky; ] ukxi g] vkU/k fo' ofo | ky; ] fo' k[ki Vue] esuefu; e I q<sup>q</sup>nuxj fo' ofo | ky; ] frk: usyosy] , e v<sup>q</sup> ih os. ko efgyk egkfo | ky; ] pSub] , I ih efgyk fo' ofo | ky; ] frk: i frka bl dh ÁfrkfØ; k, a cgRk vPNh jghA

entrepreneurship. During the program, information is disseminated on appropriate technologies through various sensitisation programs, lectures, seminars, workshops conducted at various locations. These programs provide project based information like guidelines for preparing project report/feasibility; information on appropriate technologies, schemes available with financial institutions/government for women and success stories.

Fourteen such programs for promotion of entrepreneurship amongst women at Southern States were conducted at various universities. Some of them are Bharathiar University, Coimbatore, Avinashilingam University for Women, Coimbatore, Bharathidasan University, Tiruchirappalli, Aligappa University, Karaikudi, Mother Teresa Women's University, Kodaikanal, Gandhigram Rural University, Periyar Maniyammai University, Gandhigram, RTM Nagpur University, Nagpur, Andhra University, Visakhapatnam, Manonmaniam Sundaranar University, Tirunelveli, MOP Vaishnav College for Women, Chennai, S.P. Mahila Visvavidyalaya, Tirupati. The response was overwhelming.

- **efgykvka dsfy, jste mri knu&**, u vkj Mh I h us vi us efgyk m|feRkk fodkl dk; Døe ds vkxRk T<sup>q</sup> fu; æd , T<sup>q</sup> ds; ki d mri knu gRqes dkojh efgyk jskescsxjkj

- **Sericulture for women**—The Corporation has initiated a program for mass production of bio control agents with M/s. Kaveri Mahila Reshme

xukVekdk l kakk] c<sup>e</sup>ukn<sup>h</sup> xk<sup>o</sup>] e/kj Rkkyd] e/; fTKyk ds l kFk feydj , d dk; Øe vkj<sup>h</sup> fd; k gSTk<sup>o</sup> fd xteh.k efgyk/vka dk , d Lo; a l sh xij g<sup>a</sup> bl dk; Øe eadhVka<sup>d</sup>fu; ñ=Rk djusdsfy, us <sup>e</sup>yuDI Fkkbel o fl feul d,DI ho<sup>g</sup>k dsmri knu o fNMe<sup>l</sup>ko dh Rkduhd dk Af'k{k.k 'kkfey g<sup>a</sup> bl dk; Øe d<sup>o</sup> , d xj l jdkjh l æBu us Tkkjh j [kk g<sup>s</sup> fTKl ds i fj .kkeLo: i dhVka dh l <sup>e</sup>; k ea deh vkbz g<sup>s</sup>o js<sup>e</sup>ke dhV i kydk<sup>a</sup> dh Ql y dk upl ku Hkh de g<sup>y</sup>k g<sup>a</sup>

- **efgyk Jfedka ds ykHkFKZ ukfj; y TkVk js<sup>o</sup> ds AI l dj.k ij A<sup>o</sup>l <sup>e</sup>xdh Tkkx: dRkk dk; Øe& ukfj; y l shkh h d<sup>o</sup>v<sup>y</sup>x djusdh AfØ; k eafos<sup>s</sup>kk; u e'khu dk Á; <sup>e</sup>x fd; k TkkRkk g<sup>a</sup> efgyk dfez ka dsfy, ; sj<sup>s</sup><sup>o</sup>dB<sup>g</sup> g<sup>o</sup>g<sup>a</sup> fdURkqfodfl Rk dh xbzubZÁ<sup>o</sup>l <sup>e</sup>xdh i; kbj.k l EerK g<sup>a</sup> bl l s cfg% ko ugha g<sup>o</sup>Rkk RkFkk efgyk, aHkh bl e'khu d<sup>o</sup>vk<sup>l</sup> kuh l spyk l dRkh g<sup>a</sup> cfg% ko jfgRk bl AfØ; k l svPNh xqkoUkk okyk v<sup>g</sup> vf/kd ek=k ea ukfj; y js<sup>o</sup> dk /kkxk R<sup>o</sup>, kj g<sup>o</sup>Rkk g<sup>a</sup> dkji <sup>g</sup>s<sup>o</sup>ku us djy ea efgyk Jfedka ds fy, d<sup>o</sup>bnh; d; j vuq<sup>o</sup> akku l l.Fkkuj vyti h d<sup>o</sup>fNMe<sup>l</sup>ko djusokys 35 mi dj . kka RkFkk js<sup>o</sup> kka d<sup>o</sup> /kpus dh e'khu o ukfj; y TkVk js<sup>o</sup> ds AI l dj.k dh A<sup>o</sup>l <sup>e</sup>xdh ds forKj .k gRkq 12-25 yk [k #i , Tkkjh fd, g<sup>a</sup>**

### ekuo l d k/ku

fdl h Hkh dáuh dh okLRkfod l á fúk ml dk ekuo l d k/ku g<sup>o</sup>Rkk g<sup>a</sup> dkji <sup>g</sup>s<sup>o</sup>ku ds dty de<sup>o</sup>pkfj; <sup>o</sup>dh l <sup>e</sup>; k 31 epx] 2009 d<sup>o</sup>91 Fkh %oxZ d-29] oxZ [k-35] oxZ x-21] v<sup>g</sup> oxZ ?k-6½ de<sup>o</sup>pkfj; <sup>o</sup> v<sup>g</sup> Áca<sup>o</sup>kd<sup>o</sup> ds l <sup>e</sup>ak ijs<sup>o</sup> o"z l <sup>g</sup>kn<sup>o</sup> vkZ jg<sup>a</sup>

l eh{k/ku o"z ead<sup>o</sup>shkh de<sup>o</sup>pkjh 24 yk [k #i , ok<sup>o</sup> kZd vFkok 2]00]000 #i , ÁFRk ek l ; k 24 yk [k #i , ÁFRko"z; k bl l s vf/kd i kfj Jfed ÁkRk ugha dj jgk g<sup>s</sup> fTKl s Li "V djuk dáuh fu; e 1975 %de<sup>o</sup>pkfj; <sup>o</sup> dk foj .k½ ds l kFk i <# Tkkusokyh /kkj 217½, ½ ds Áko/kku<sup>o</sup> ds vuq<sup>o</sup> kj vi f{kRk g<sup>a</sup>

### ekuo l d k/ku fodkl

dk; Zeal <sup>o</sup>kkj RkFkk ekuo l d k/ku<sup>o</sup> dscgRkj bLR<sup>o</sup>ky dk Á; kl i jk o"z Tkkjh jgka dk; Z l <sup>o</sup>ku v<sup>g</sup> mri kn dRkk ea of) djus dh Áj .kkeLo: i dkfeZka ds fy, vko'; dRkk vk/kkfjRk Af'k{k.k RkFkk fodkl dk; Øe ÁLRk<sup>o</sup> fd, x, A l eh{k/ku o"z ea dkji <sup>g</sup>s<sup>o</sup>ku d<sup>o</sup> 38 vf/kd<sup>o</sup>pkfj; <sup>o</sup> RkFkk

Belegaranra Gunatmaka Sangha, Bommanadoddi Village, Maddur Taluk, Mandya district which is self help group of rural women. The program involved training in the techniques of production and release of Nesolynx thymus and Scyminus coccivora to control insects. The program is continued by NGO which has resulted reduction of pest incidence and crop loss to sericulturists.

- **Technology awareness program in coir fibre processing for the benefit of women worker**—During the extraction of process of husk from coconut, defibering machines are used. The fibre is found to be harsh in feel and has to pass through the fingers of women workers. But the new process developed is eco-friendly, does not generate effluent and the machines can be easily operated by women. The process yields good quality coir yarn with more output and texture and with zero effluent. The Corporation has released Rs. 12.25 lakhs to Central Coir Research Institute, Alleppey, Kerala for distribution of 35 number of spraying equipment and willowing machines and technology for coir fibre processing to women workers in Kerala.

### HUMAN RESOURCE

The real asset of any company is its human resource. The total manpower of the Corporation as on 31<sup>st</sup> March 2009 was 91 viz. (Group A-29, Group B-35, Group C-21 and Group D-6). The employee-management relationship was cordial throughout the year.

During the year under review, there were no employees receiving remuneration of or in excess of Rs. 24 lakhs per annum or Rs. 2,00,000 per month, requiring disclosure as per the Provisions of Section 217(2A) read with the Companies (Particulars of Employees) Rules 1975.

### HUMAN RESOURCE DEVELOPMENT

The thrust for better utilisation of human resources and improvement in work practice continued during the year. In the drive to improve work culture and productivity, employees were exposed to need based training and development

3 deþkj; ④d④fhku-fhku {④=④eaÁf'k{k.k fnyk, x, Rkfd osÁcaku] vki l h l á d] l RkZ@Rk RkFk Á④] ④xdh ds, Moka eV T④ sfhku-fhku {④=④eavi uh ; ④; Rk dk v④ vf/kd fodkl dj l dA

### efgykva ds fy, f'kdk; Rk ÁfØ; k

dkji ④s ku eaefgyk dkfezka dh l ④; k 17 gA efgyk dkfezka ds l okxh.k fodkl d④ ÁRl kgu nus ds fy, dkji ④s ku ea efgyk l sy^ xfBRk fd; k x; k gA bl efgyk l sy d④ vud l ④o/kk, a Ánku dh xbz gA RkFk f'kdk; Rkka dh ÁkFRk gRkqLokxRk d{k ea, d 'Mki c, DI \* Hkh yxk; k x; k gA ; g efgyk l sy efgyk dkfezka }kjk dh xbz; ④ mri hMv RkFk dk; LFky ij HksHkko T④ h f'kdk; Rkka d④ nskus ds fy, cuk; k x; k gA bl l sy ds }kjk mluga muds l keftkd vf/kdkjka ds ÁFRk f'kf{Rk djus ds fy, vYi l e; kof/k dsdk; Øe vk; ④TRk fd, TkkR④g mri hMv ds Ádkjka d④ n'kkz ds fy, i ④Vj @Mkbax vkfn dk Án'kz fd; k TkkRk gRkFk dk; kzy; ea; ④ mri hMv d④ j④ dus ds fy, Áf'kf{Rk fd; k TkkRk gA l e; ds Ácaku ea; g l sy muds d④ ky eav④ vf/kd l ④kkj ykus RkFk muds o muds ifjokj ds LokLF; dh cgrkj nskHkky dh {keRk d④ mUuRk cukRk gA efgyk dkfezka dh Tkkx: dRk ds fy, mluga HkRk l jdkj }kjk Tkkj efgyk dY; k.k@l j {kk l ④akh l Hkh ifji=ka l s voxRk dj; k TkkRk gA efgykva dh e④; vko'; dRk, a T④ s Ál k/ku RkFk Hk④ku d{k vkfn l ④o/kkvka ds ekeyka ij Hkh efgyk l sy }kjk fopkj fd; k TkkRk gA dkji ④s ku ea efgyk o iq "k dfez ka ds e/; l keÁkL; Rk dk okRkkoj.k gA

### Á④] ④xdh l ekošku] vuþnyu RkFk uokþj

þfd dkji ④s ku dk , d egRo iwkz mš; Lonškh Á④] ④xdh dk fodkl v④ 0; ki kjhdj.k djuk gA dkji ④s ku Lo; a d④z vuq ákku , oa fodkl dk; Z ugha djRkh] fQj Hkh dkji ④s ku Á; ④'kkykv④ v④ m | ④' ④ n④ ④eap; u ds vk/kkj ij vuq ákku , oafodkl dk; Z d④ ÁRl kgu v④ foUkh; l gk; Rk Ánku djRkh gA vRk% dá uh fu; e 1988 ds fu; e 2 ch ds vRkxRk Á④] ④xdh l ekošku] vuþnyu v④ uokþj ds l ④ák ea l ④uk Hkškus dh vko'; dRk dkji ④s ku ij ykxwughagRkA ④fooj.k funskd eMly dh fji ④Z eafn, x, gA

programs. During the year, 38 executives and 3 non-executives of the Corporation were deputed to various training programs to further develop their skill in areas of their operations.

### Complaint Mechanism for Women

The Corporation has 17 female employees. A “Women Cell” has been formed in the Corporation to promote all round development of women employees. The “Women Cell” is provided with requisite facilities and a drop box has also been put up at the reception lounge to receive the complaints. The “Women Cell” looks into complaints of female employees of sexual harassment and discrimination at work place. It organises short time programs to educate them about their rights and role in society, displays posters/ drawings to show the type of harassment and trains female employees how to prevent sexual harassment at work place. It also organises trainings to improve their skills in managing time and improving efficiency through measures including better health care for themselves and their families. All the circulars pertaining to the welfare/protection of women rights received from the government departments are brought to the notice of female employees for awareness. The “Women Cell” also looks into the essential amenities e.g. toilets and lunch-room facilities for female employees. There is a cordial atmosphere between male and female employees in the Corporation.

### TECHNOLOGY ABSORPTION ADAPTATION AND INNOVATION

While a major objective of the Corporation is the development and commercialisation of indigenous technology, the Corporation itself does not carry out any R&D. However, it promotes and finances R&D on a selective basis in both laboratories and industry. Hence, the requirement to furnish information in respect of Technology Absorption Adaptation and Innovation under Rule 2(B) of Companies (Disclosure of Particulars in the Report of Board of Directors) Rules, 1988, is not applicable to the Corporation.

## jkTkhkk"kk dk dk; k]o; u

dkji 9s'ku eao"z2008-09 dsn9ku jkTkhkk"kk fgluh ds bLR@ky d@ c<kus ds l adk ea jkTkhkk"kk vf/kfu; e RkFkk ml dsfu; e@ea HkkjRk l jdkj }kjk fu/kkZjRk y{; 9d@ ijk djus ds l f0; A; kl Tkkjh gA de@pkfj; ka d@ vi usnsud jkTkdh; dk; 9eafgluh dh dk; Zdkjh Tkkudkjh d@bLR@ky djus dh Aj.kk nh xbZ gA l Hkh ekud Ai=] QkbZy vkfn f}Hkk"kh : i eaA; 9x fd, Tkk jgsgA fgluh eafVli .kj Ak: i .k v9 i=kpkj ds {= ea egroiwz Axfrk gpbZ gA l Hkh fgluh i=kadk mUkj fgluh eagh fn; k Tkk jgk gA dkji 9s'ku dh okf"kd fji VZo"z1986-87 l sf}Hkk"kh : i ea Adkf'krk g@jgh gA foKku v9 A@9xdh dh y@d fA; ekf l d if=dk "Vkfodkj" Hkh fgluh ea Adkf'krk dh TkkRkh gA dkji 9s'ku ea fgluh ds A; 9x d@ c<kus ds fy, 'jkTkhkk"kk A@l kgu ; 9tku\* ykxwgA dkji 9s'ku ds de@pkfj; 9RkFkk ; gkaRkd fd vkxURkd@dsHkh 'kCn Hk.Mkj d@c<kus ds fy, dkji 9s'ku ds LokxRk-d{k ea yxsc@MZ ij "Vktk dk 'kCn" uke l svaxkHh dk , d 'kCn ml ds fgluh vFkZ ds l kFk Afrkfnu fy [kk TkkRkh gA

## jk"Vf frk ds funs k

dkji 9s'ku ds l LFkk vRkfuZ; e@ ds 127 oa [k.M ds vRkxRk HkkjRk ds jk"Vf frk d@ dkji 9s'ku ds fy, funs k Tkkjh djus dk Akf/kdkj AkIRk gA l eh{k/khu o"z dsn9ku jk"Vf frk l s d@bz funs k AkIRk ugha gq/kA

## funskd e.My

- 1 Jh l 9eukFk ?k@k
- 2 M,- foHkq jf'e 103-05-08 Rkd RkFkk 08-07-08 d@ i pfuz f@RkZ

## funskd dk mUkjnkf; Ro dFku

- vki ds funskd@us i f"V dh g%
- fd 31 ekpZ 2009 d@ l ekIRk vof/k ds fy, y[kk R@,kj djus ea ykxw TKU; y[kk ekud@ d@ /; ku ea j [kk x; k gSRkFkk bl fo"K; ea v9 d@N Hkh '9k ugha jgk gA

## IMPLEMENTATION OF OFFICIAL LANGUAGE

The Corporation continued to make efforts to fulfil the targets prescribed by Government of India in the Official Language Act and Rules framed therein with regard to increase the use of Hindi Rajbhasha in the office during the year 2008-09. Employees were motivated to use their working knowledge of Hindi in day-to-day official work. All the Standard Forms, Files, etc., are bilingual. Significant progress has been made in the field of correspondence, noting and drafting in Hindi. All Hindi letters are being replied in Hindi only. The Annual Report of the Corporation is being published in diglot form since 1986-87. The Corporation also publishes a popular Science and Technology monthly magazine in Hindi, entitled 'Awishkar'. "Rajbhasha Incentive Scheme" has been implemented to popularise the use of Hindi in the Corporation. To enrich Hindi vocabulary of the employees of the Corporation as well as the visitors, an English word with its Hindi meaning is written daily on a writing board as 'Today's word' at the reception of the Corporation.

## DIRECTIVES FROM THE PRESIDENT OF INDIA

Under Clause 127 of the Article of Association of the Corporation, the President of India is authorised to issue directives to the Corporation. During the year under review, no directive was received from the President for compliance.

## BOARD OF DIRECTORS

1. Shri Somenath Ghosh
2. Dr. Vibhu Rashmi (upto 03.05.2008—reappointed w.e.f. 08.07.2008)

## DIRECTORS' RESPONSIBILITY STATEMENT

Your Directors confirm;

- that in the preparation of accounts for the period ended March 31, 2009, the applicable Accounting Standards had been followed and there are no material departures;





o"KZ 2008-09 ds n'gku dkji'g'sku d® l kã h xbz Áfof/k; ka RkFkk m | fe; ka ds l kFk l á Uu djkjka dk fooj .k%

	2007-08	2008-09
v- l kã h xbz Áfof/k; ka	58	55
c- fu"i kfnRk uohu vuKfIRk djkj	41	36

**v- l kã h xbz Áfof/k; ka %**

**dñnh; [kk | Á® | ¶xdh; vuq ðkku l ðFkku] eñ j**

- c¶V, d¶dI ckmukb dh [Rkh

**l ðj Q, j fMoyieñ v, Q VfyefVDI ð h-M, Vñ çxyñ**

- mi xg l pkj .k gRkq, Q b l h , ud¶Vj ; ¶DRk
- mi xg l pkj .k gRkq, Q b l h Mhd¶Vj ; ¶DRk

**dñnh; Xykl o fl j sed vuq ðkku l ðFkku] d¶ydkRkk**

- l h , Q , y gRkq VRbz cM Q, LQj
- lykflVd yñ o 'khV ij p¶k j¶kh foyi u dsfy, ?k¶y cukus dh Áfof/k

**dñnh; vkyñ vuq ðkku l ðFkku] f'keyk**

- T® mojbð o QQñuk' kh@T® cfDVfj; kuk' kh ; ¶xd ch-5

**dñnh; j'skedñV ikyu vuq ðkku o Áf'k(k.k l ðFkku] eñ j**

- veRk&j'skedhVka dh chekj h ds Ácañku o fu; æ .k gRkq
- j {kk&Vrbd¶MekZ vk/kkfjRk T® i hMduK' kh
- ck; ¶uhek&uhe vk/kkfjRk T® i hMduK' kh
- ck; ¶eDI &'kgRkRk dh [Rkh gRkq T® mojbð
- VrbfeDI &'kgRkRk dh [Rkh gRkq T® mojbð
- d¶ ¶eDI &'kgRkRk dh [Rkh gRkq T® mojbð
- j'ske dhVka d® vyx djusdsfy, gkFk l sÁ; ¶x fd; k Tkkusoky l i j s j

Details regarding processes assigned and agreements concluded with entrepreneurs during 2008-09 :

	2007-08	2008-09
A. Processes Assigned	58	55
B. New Licence Agreements Concluded	41	36

**A. PROCESSES ASSIGNED**

**Central Food Technological Research Institute, Mysore**

- Cultivation of botryococcus braunii

**Centre for Development of Telematics (C-DoT), Bengaluru**

- Forward error correction (FEC) encoder device for satellite communication
- Forward error correction (FEC) decoder device for satellite communication

**Central Glass & Ceramics Research Institute, Kolkata**

- Tri-band phosphor for compact fluorescent lamp (CFL)
- A process for manufacturing sols (lacquers) suitable for deposition of anti-reflective coating on plastic lenses and sheets

**Central Potato Research Institute, Shimla**

- Bio-fertiliser-cum-bio-fungicide/bio-bactericide composition B5

**Central Sericultural Research & Training Institute, Mysore**

- Amrit—for management & control of silkworm diseases
- Raksha—a bio-pesticide based on trichoderma
- Bionema—a bio-pesticide based on neem
- Biomix—a bio-fertiliser for mulberry cultivation
- Trimix—a bio-fertiliser for mulberry cultivation
- Corpomix—a bio-fertiliser for mulberry cultivation
- Hand operated silkworm separator

**p9kjh pj.k fl g gfj; k.kk Nf'k fo'ofok |ky; |  
fgl kj**

- gkFk l spykusokyh v,oyk xhus dh e'khu

**d9ydkRkk fo'ofok |ky; | d9ydkRkk**

- fl xjv/ ds /kq l supl kunk; d Aed[k v,DI hMw/ dk fo; Tku RkFk ij k&cdTK9 ehfDou9 d9 Ahkko h <x l s de djusgRkq l 0h; pljd9 fQYVj

**Tkh-ch iRk Nf'k o Rkduhdh fo'ofok |ky; | iRkuxj**

- l cl 9y j o fMQjif'k; y jv Qv/ykbtkj , lyhdv/j
- iRk foXM l cl ,byj

**HkjRkh; i'kq vuq dku l lFtku] cjyh**

- l wjka dsfy, 'kwdj Toj gRkq Vhdk
- vkb ch Mh ok; j l l 0e.k ds l hgefunku gRkq nRk bE; w9v l s
- ydVW ik; j9 l ds funku gRkq , dhTku vk/kkfjRk , fyl k
- ch Vh oh , dh/hc,MhTk dk iRk yxkus gRkq uhy fTkak ok; j l oh ih 7 A9Vhu , dhTku vk/kkfjRk , fyl k

- HkM+cdfj; ka dh ppd gRkqoj9 vuqhy Vhdk

**iF9y,Tkh l lFtku] ubz fnYyh**

- Tky Tkkus ij ekuo pez iimh d9 i9y ykus dh Rkduhd

**jk'Vh; l pkjh j9x l lFtku] ubz fnYyh**

- dnjy ka ea ePNj ka dh i9kokj j9dus gRkq dhyax ; fDRk

**uoyh fyXukbV dji9sku fy-] uoyh**

- fyXukbV l si9vf'k; e g; e9v 9g; fied vEy1/2

**Nf'k foKku fo'ofok |ky; | c9yq**

- jlxh chTk o mojd flm9 9csy }jk pkfyRk1/2
- e9Qyh j9 usdsfy, flm9 9csy }jk pkfyRk1/2
- chTk j9 usdsfy, gkFk l sA; 9 dh Tkkusokyh flm9
- gkFk dsv9tkj T9 &fujkbzdjusgRkqohMj] eMdkjh o [kaps cukusokyk] [kuf=dk v9 pyusokyk fujkb ohMj

**Chaudhary Charan Singh Haryana Agricultural University, Hisar**

- Manually operated aonla pricking machine

**Calcutta University, Kolkata**

- Process for isolation of a major harmful oxidant from cigarette smoke and activated charcoal filter for effectively reducing para-benzonsemi quinone

**G.B. Pant University of Agriculture and Technology, Pantnagar**

- A subsoiler-cum-differential rate fertiliser applicator
- Pant winged subsoiler

**Indian Veterinary Research Institute, Bareilly**

- Swine fever virus cell culture vaccine for pigs
- A rapid immunoassay for serodiagnosis of infectious bursal disease (IBD) virus infection
- Recombinant antigen based ELISA for serodiagnosis of leptospirosis
- Recombinant blue tongue virus VP7 protein antigen based indirect ELISA for detection of BTV anti-bodies
- Vero adapted sheep pox vaccine

**Institute of Pathology, New Delhi**

- Techniques for culturing human epidermis for autologous grafting in burns

**National Institute of Communicable Diseases, New Delhi**

- Evaporative cooling apparatus resistant to vector breeding

**Neyveli Lignite Corporation Ltd., Neyveli**

- Potassium humate from lignite

**University of Agricultural Sciences, Bengaluru**

- Ragi seed-cum-fertilizer drill (bullock drawn)
- Groundnut seed drill planter for groundnut and bold seeds (bullock drawn)
- Manually operated seed drill
- Hand tools such as hand weeder, ridger and furrower, gubber and walking weeder

- cšyædh l gk; Rk l spyusokyk ækQyh [kʰusdk [kji k
  - cʌk [k ds i k ds v k d j T q k [kji Rk k j fudkyusdk [kji k
  - yky puk xgkbz e'khu ¼ f k s k j ½
  - cgq [kM [kʰnd
  - /kku j q d
  - gLRkpkfyRk i f j "Nrk eðk ds nkus fudkyus dh ; fDRk
  - l Qn fepz l d k/ku e'khu ¼ e V j j f g R k ½
  - l w z e k h xgkbz e'khu ¼ f k s k j ½ o eðk ds chTk fudkyus dh ; fDRk
  - ækQyh Nhyd @ l w z e k h xgkbz e'khu ¼ f k s k j ½ @ eðk ds chTk fudkyus dh ; fDRk @ T k V j Q k Nhyd
  - N q h ækQyh ds fy, Nhyd
  - beyh dk fNydk o chTk v y x d j u s dh ; fDRk
  - ukfj; y dh H k h v y x d j u s dh ; fDRk ¼ i k d } k j k p y k b z T k l d u s o k y h ½
  - vke Rk k / k b z e'khu
  - phd w R k M e u s dh e'khu
  - ækQyh vukojd
  - l p k g ; fu " i k n d
  - ækQyh Nhyd ¼ c T k y h l s p y u s o k y k ½
  - l q k j h l k Q d j u s o k y h ; fDRk ¼ v / k z e'khu h N R k ½
- foosdkulln i o B k h ; N i r k v u d a k k u l a F k k u ] v y e M k**

- l M h ds A c a k u g B k q T o i h M e d u k ' k h
- c f l y l F k j f T k a l l d s v f / k d m R i k n u g B k q l k / k u
- d o d h ; j x d k j d ¼ Q a y i f k T k u l ½ g B k q T o - i h M e d u k ' k h

**okbz, l i j e k j ; fuofl M h Q, j g, f v d Y p j , . M Q, j t V n l y u**

- i o k a e a g u s o k y h Q a y c h e k f j ; k a l s l q j k k d s f y, i k n i d h v u k ' k h Q k e i y k
- x q k o u k k o k y h L V t c j h v k y u d [ k k j k R k F k k [ k e k u h n t f k j k R o k j d j u s d h A o j f x d h
- l s o [ k e k u h d k i j k l j . k h ' k q d u
- f g e k y ; d s T k a y h v y a d k j h i o k a i j d a ; w j h N R k o k u l i f r k d M k v k c s & f g e f l y o j k
- e / k e g e s y V l ¼ k b i - 2 ½ d s f u ; æ . k g B k q d j s y k v o x y u d o j k D R k ¼ g k b i o y k b l f e d ½ i s d s m R i k n u d h A f o f / k

- Groundnut digger (bullock drawn)
- Duck foot hoe
- Redgram thresher
- Multi furrow opener
- Paddy drum seeder
- Modified hand operated maize sheller
- White pepper processing machine (without motor)
- 2-in-1 sunflower thresher-cum-maize sheller (without motor)
- 4-in-1 groundnut decorticator/sunflower thresher/maize sheller/jatropha decorticator
- Mini groundnut decorticator
- Tamarind dehuller and deseeder
- Coconut dehusker (pedal operated)
- Mango harvester
- Sapota harvester
- Groundnut stripper
- Portable winnower
- Groundnut decorticator (power operated)
- Arecanut dehusker (semi-mechanical)

**Vivekanand Parvatiya Krishi Anusandhan Sansthan, Almora**

- Management of white grubs—a biopesticide
- Media for mass production of bacillus thurigiensis
- Bio-pesticide against fungal pathogens

**YS Parmar University for Horticulture and Forestry, Solan**

- Plant origin based pesticide formulation against fungal disease of plants
- Technology for the manufacture of quality strawberry, plum and apricot wine
- Osmotic dehydration of apple and apricot
- HIMFLORA—a computerised botanical database on wild ornamental plants of Himalayas
- A process for the production of bittergourd hypoglycaemic drink for the control of diabetes mellitus (Type-2)

**C- fu"ikfnRk vuKfirk djkj**

**vkfz Ánsk jkT; j'ske mRiknu vuq átku o fodkl l áFkkuj fglndqj**

- j'ske mRiknu gRkqI Øe.k d®nij djusokyk&l jhx®M
- j'ske dhV dsj [kus ds LFkku d®I Øe.k jfgRk cukus okyk&'kfDRk

**dlñh; fcfYMax vuq átku l áFkkuj : Melh**

- c®MZ dâ d'ku i kby cukusdk l eturk Rkjhdcl

**dlñh; d,;j vuq átku l áFkkuj vysi h**

- d®d®y,u&cuk cuk; k cxhpk

**l w/y dkmál y Q,j fjl pZ bu vk; øñ , .M fl )k] ubz fnYyh**

- Ál o i wZo Ál o®jkrk l ko/kkuh gRkqmRi kn R®,kj djus dh Áfof/k ¼pkj Áfof/k&vk; ðk , Tkñ] vk; ðk i hTkñ] vk; ðk i hds voygk] vk; ðk , l , l df.kdk½
- ckyfpdRI k gRkq l ko/kkuh dsfy, mRi kn R®,kj djus dh Áfof/k ¼vk; ðk ckyj {kd yge} vk; ðk dsoh , e l hj i ½
- l gk; fl l ds mi pkj gRkq 777 R®y R®,kj djuk

**dlñh; ued o leph j l k; u vuq átku l áFkkuj "kouxj**

- Rkhoz n>Rkk okyk lykLVj v,Q i fjl ¼wYQk lykLVj ½

**dlñh; j'ske mRiknu vuq átku o Áf'k(k.k l áFkkuj eS j**

- j'skedhV xtl jjhTk vj qlypjh chekjh dsfu; æ.k gRkq i ; kbj .k l EerK Okelyk&ve'Rk

**p®kjñh pj.k fl g gfj; k.kk Ñf'k fo' ofo | ky; ] fgl kj**

- gkFk l spykus okyh vkoyk x®nus dh e'khu 3

**d®ydkRkk fo' ofo | ky; ] d®ydkRkk**

- fl xjs/ ds /kq l s upl kunk; d Áedk v,DI hMw/ dk fo; ®tku RkFk i jk&cdTK® ehfDou®u d® Áhkkoh <æ l s de djus gRkq l Øh; pkj d®y fQYVj

**j{tk vuq átku o fodkl LFtki uk] Xokfy; j**

- i hus ds i kuh dh l we T®dh; 2  
xqkoÜkk gRkq Tkñp fdV

**B. LICENCE AGREEMENTS CONCLUDED**

**Andhra Pradesh State Sericulture Research and Development Institute, Hindupur**

- Serigold—a powerful disinfectant for sericulture
- Shakthi—silkworm bed disinfectant

**Central Building Research Institute, Roorkee**

- An improved method for constructing bored compaction piles

**Central Coir Research Institute, Alleppey, Kerala**

- Cocolawn—a readymade lawn

**Central Council for Research in Ayurveda & Siddha, New Delhi**

- Processes for preparation of products for anti-natal and post natal care (four process—ayush AG, PG, PK avaleha; SS granules)
- Processes for preparation of products for pediatric care (ayush balrakshak lahem; kvm syrup)
- Preparation of 777 oil for treatment of psoriasis

**Central Salt & Marine Chemicals Research Institute, Bhavnagar**

- High strength plaster of Paris (Alpha Plaster)

**Central Sericultural Research & Training Institute, Mysore**

- Amruth—an eco-friendly formulation for control of silkworm grasseries and flacherie disease

**Chaudhary Charan Singh Haryana Agriculture University, Hisar**

- Manually operated aonla pricking machine 3

**Calcutta University, Kolkata**

- Process for isolation of a major harmful oxidant from cigarette smoke and activated charcoal filter for effectively reducing para-benzonsemiquinone

**Defence Research & Development Establishment, Gwalior**

- Test kit for microbiological quality of drinking water 2

**HkkjRk; Nf'k vuq ftku l ftkuj ubz fnYyh**

- Tky vo'k® kd gkbM®T®y 2
- LFkktbz l ekurRk vTkkfMjSDVU vq bl dk Qkeiyk
- uhe dschTkaea l svTkkfMjSDVU dk fu"d"dz k
- uhe vk/kkfjRk i hMdu'kh Qkeiyk

**, y-, e-'kekz**

- v, V® fMij&okguka ea jkf= ds l e; egkekx® ij pkkk l scpkusokyh A.kkyh

**dbnh; Msjh vuq ftku l ftkuj djuky**

- nvk eaT® l dnsh dh Rkjg Tkhok.kqLi® dk A; ® djus gRkq AfRkT®od vo'®kka dk i Rkk yxkus dh fo'y'skh; AfØ; k

**jk'Vh; l pkjh j®x l ftkuj ubz fnYyh**

- dnyjkaea ePNjka dh i fkokj j®dus gRkq dnyx ; fDRk 6

**jk'Vh; LokLF; vq ifjokj dY;k.k l ftkuj ubz fnYyh**

- ekuo 'k®k.kqdh Tkkp fdV ¼ u l h Mh o , Ø® e Tkkp½

**uoyh fyXukbV dkjij'sku fy-] uoyh**

- fyXukbV l s i®V's'k; e g; eV ½-4% l kflnRk Rkjy mRi kn½

**i h- l h-'kekz**

- Qj® heV fl pkbz o Tky fudkl bzk; ka

**b vkbz , y jtkj iSVI j vukfirkdj.k**

- xj l s Tky dk vi knku o l YQj dh AfRk

**jeu l vj Qj , lykbM , .M bVj-fMfl flyujh l kbd fjk d'ydRkk**

- T® mRl fTRk fTkad mojbz
- T® mRl fTRk cgqvo; o l f®ei®kd mojbz

**oDVj dV®y fjl pl l vj] i kMppjh**

- cfl yl fFkj jTku l okj vk/kkfjRk ePNj fMEHkuk'kh Qkeiyk

**foodkulln ioRk; Nf'k vuq ftku l ftkuj vYeMk**

- fe h l smRi lu dodh; j®Tku dka l scpko dsfy, T® fu; æ.k , Tk® ds: i eaVtkbd®Mez

**Indian Agriculture Research Institute, New Delhi**

- Super absorbent hydrogel 2
- Stable (reduced) azadirachtin and its formulations
- Extraction of azadirachtin from neem seed kernels
- Neem based pesticide formulation

**L.M. Sharma**

- Auto dipper—a night time highway system for automobiles

**National Dairy Research Institute, Karnal**

- Analytical process for detection of antibiotic residues in milk using bacterial spores as biosensors

**National Institute of Communicable Diseases, New Delhi**

- Evaporative cooling apparatus resistant to vector breeding 6

**National Institute of Health and Family Welfare, New Delhi**

- Human sperm function test (NCD & acrosome test) kit

**Neyveli Lignite Corporation Ltd., Neyveli**

- Potassium humate from lignite (liquid product of 2-4% concentration)

**P.C. Sharma**

- Ferrocement irrigation & drainage units

**PATSER Licensing by EIL**

- H<sub>2</sub>S removal and sulphur recovery from sour gas

**Raman Centre for Applied and Interdisciplinary Sciences, Kolkata**

- Bio-release micro-nutrient zinc fertiliser
- Bio-release multi-component micronutrient fertiliser

**Vector Control Research Centre, Pondicherry**

- Mosquito larvicidal formulation of bacillus thurigiensis var israelensis VCRC B17

**Vivekanand Parvatiya Krishi Anusandhan Sansthan, Almora**

- Trichoderma as a bio-control agent against soil borne fungal pathogens

dā uh vf/kfu; e dh /kjk 383 , ds vlxk dā uh ds I Eefk i fBRk vuykyu Aek.k i = ½ fu; e 2001

I ok eġ

I nL; x.k

uškuy fjl pZ fMoyieġ dġiġs ku

20-22] Tke: nij I kepġ; d dġæ

dsy'k'k dky<sup>u</sup>h , DI Vāku] ubZfnYyh-110048

geus dā uh vf/kfu; e 1956 RkFk ml ea cuk, x, fu; eka dsvlxk uškuy fjl pZfMoyieġ dġiġs ku ds vi f{krk jfTKLVjkġ fj dġMġ [kkRkkġ RkFk nLRkko fġka RkFk 31 ekpġ 2009 d<sup>o</sup> I ekIRk foġkh; o"ġ dsfy, dġiġs ku ds I ġFk dh cġfuġ ekoyh o vuyNn es I ekfo"V Āko/kkuka dh Tkkp dj yh gġ gekjsfopkj ea gekjh Tkkudġjh ds vudġ kj RkFk gekjs }ġjk fd, x, ij h{k. kka RkFk dġiġs ku }ġjk fn, x, Li "Vhdj. kġġ bl ds vf/kdġfj; ka RkFk , Tka/ka dsvudġ kj ge Aek.k Rk dġR<sup>o</sup> gġfd mi ; ġRk foġkh; o"ġ ds I ġġk ea %

- 1- dġiġs ku us Āko/kkuka o bl dsvlxk cuk, x, fu; eka dsvudġ kj bl Aek.k i = dsvuyXud ^\* ean' kġ, x, I Hk jfTKLVjkġ dġ j [k-j [kko fd; k gS RkFk buea dh xbz I Hk Āfo"V; ka dġ fj dġMġ fof/koRk-j [k x; k gġ
- 2- dġiġs ku us bl Aek.k i = ds vuyXud ^\* ea mfYyf [krk Qkeġ o fj Vuġ fof/koRk- Hkġdj dā uh jfTKLVjkġ d<sup>o</sup> muean' kġ, h xbz fRkFk; ka ij Tkeġ dġj nh xbz gġ
- 3- dā uh vf/kfu; e 1956 dh /kjk 25 dsvlxk i ākhNRk g<sup>o</sup>us ds dġ. k dġiġs ku ds i kl U; uRke fu/kkġj Rk Anġk i ākh gS RkFk o"ġ ea Tkkp ds nġku dġiġs ku us %  
 ½ Tku I k/kj. k d<sup>o</sup> bl ds ^\* j ; k fMcpj [kjh nus ds fy, vkef=Rk ugha fd; k gS RkFk  
 ½ Tku I k/kj. k I sfd I h Hk Āġkj dġ fu{<sup>o</sup> LohNRk ; k vkef=Rk ugha fd; k x; k gġ
- 4- funskd eMy dh cġd ; fġpRk I e; ij pkj ġj 2 ebġ 2008] 27 vxLRk] 2008] 4 uoġj] 2008 RkFk 30 Tkuojh] 2009 ea; g Tkuus dsfy, gġz fd Ā; ġku gġġ I āġRk dh xbz ġk; ġRk i fRkġk dsvudġ kj fd I cġd dsfy, I eġpRk I puk Hġġh xbz cġd dh ġk; ġġgh d<sup>o</sup> i fġRk fd, x, i fġi =] I dYi I fġRk I eġpRk : i I sfj dġMġ o gLRk {fġRk fd; k x; kA
- 5- dġiġs ku us 31 ekpġ 2009 d<sup>o</sup> I ekIRk foġkh; o"ġ ds nġku I nL; ka dġ jfTKLVj dġn dj fn; k RkFk bl

Compliance Certificate U/s 383 A (1) of the Companies Act read with companies (compliance Certificate) Rules 2001

To

The Members

National Research and Development Corporation

20-22, Zamroodpur Community Centre,

Kailash Colony Extn. New Delhi-110001.

We have examined the registers, records, books and papers of **National Research and Development Corporation** as required to be maintained under the Companies Act, 1956 and the rules made there under and also the provisions contained in the Memorandum and Articles of Association of the Corporation for the financial year ended on 31<sup>st</sup> March, 2009. In our opinion and to the best of our information and according to the examinations carried out by us and explanations furnished to us by the corporation, its officers and agents, we certify that in respect of the aforesaid financial year:

1. The Corporation has kept and maintained all registers as stated in Annexure 'A' to this certificate, as per the provisions and the rules made there under and all entries therein have been duly recorded.
2. The Corporation has duly filed the forms and returns as stated in Annexure 'B' to this Certificate with the Registrar of Companies, on the dates indicated against each form and return.
3. The Corporation, being registered under section 25 of the Companies Act, 1956 has the minimum prescribed paid up capital and the Corporation during the year under scrutiny:
  - (i) has not invited public to subscribe for its shares or debentures; and
  - (ii) has not invited or accepted any deposits from public.
4. The Board of Directors duly met four times on 2<sup>nd</sup> May, 2008, 27<sup>th</sup> August, 2008, 4<sup>th</sup> November, 2008 and 30<sup>th</sup> January, 2009 in respect of which meetings proper notices were given and the proceedings were properly recorded and signed, including the circular resolutions passed, in the Minutes Book maintained for the purpose.
5. The Corporation closed its Register of Members during the financial year ended on 31<sup>st</sup> March, 2009

I eadk eadla uh vf/kfu; e 1956 dh /kkjk 154 ds Aka/kkula b l ds vuq/Nnka ds vuq i vuq ky u fd; ka

- 6- 31 ekp] 2009 d<sup>o</sup> l ekirk foUkh; o"lz eadkji g'sku dh okf"kd l keku; cBd frukad 29 fl RkEcj] 2009 d<sup>o</sup> dkji g'sku ds l nL; kad<sup>o</sup> l fipRk djus ds mi j kkk vk; FTkRk dh xBZRkFkk i kfjRk fd, x, l adYi ka dk fj d kMZA; g'ku gRkq l a f"Rk dh xBZ dk; zRk i qLRkd k ea j [kk x; ka
- 7- 31 ekp] 2009 d<sup>o</sup> l ekirk foUkh; o"lz eadkji g'sku dh okf"kd l keku; cBd frukad 29 fl RkEcj] 2009 d<sup>o</sup> dkji g'sku ds l nL; kad<sup>o</sup> l fipRk djus ds mi j kkk vk; FTkRk ugha dh xBZ
- 8- dkji g'sku us vf/kfu; e dh /kkjk 25 eamfYyf [kRk fd l h Hkh funs'kd ; k OeZ; k da uh d<sup>o</sup> d<sup>o</sup> z vfxe \_\_.k Anku ugha fd; k gA
- 9- dkji g'sku us vf/kfu; e dh /kkjk 297 ds nk; js ea vkus oky fd l h Hkh Adkj dk vuqark ugha fd; k gA
- 10- vf/kfu; e dh /kkjk 301 ds vRkxRk j [Tkkus oky s j fTkLVj eadkji g'sku d<sup>o</sup> d<sup>o</sup> z Hkh Afon'V djus dh vko'; dRk ugha FkA
- 11- pfd vf/kfu; e dh /kkjk 314 ds vRkxRk mYys'k ds u g<sup>o</sup> us ds dkj .k dkji g'sku d<sup>o</sup> funs'kd eMy ; k dlnz l j d k j l s fd l h Hkh Adkj ds vuq<sup>o</sup> nu Akirk djus dh vko'; Rk ugha FkA
- 12- 31 ekp] 2009 d<sup>o</sup> l ekirk foUkh; o"lz ds n'gku dkji g'sku us Aek.k i = dh d<sup>o</sup> z Hkh vuqfyfi Tkjh ugha dh gA
- 13- dkji g'sku us%
  - (i) vf/kfu; e ds Aka/kkula ds vuq kj vRk .k @gLRkRk .k ; k fd l h vU; mIs ; ds fy, AfRkHkRk; ka ds vkca/u RkFkk ml ds vk/kj ij l Hkh Aek.k i = A f"Rk dj fn, F<sup>o</sup>
  - (ii) dkji g'sku us fHkuu cd [kkR<sup>o</sup> eadkji g'sku dh okf"kd l keku; cBd frukad 29 fl RkEcj] 2009 d<sup>o</sup> dkji g'sku ds l nL; kad<sup>o</sup> l fipRk djus ds mi j kkk vk; FTkRk dh xBZRkFkk i kfjRk fd, x, l adYi ka dk fj d kMZA; g'ku gRkq l a f"Rk dh xBZ dk; zRk i qLRkd k ea j [kk x; ka
  - (iii) dkji g'sku us fd l h Hkh l nL; d<sup>o</sup> d<sup>o</sup> z Hkh vf/ki = ugha Hk'k gSD; kad da uh vf/kfu; e 1956 dh /kkjk 25 ds vRkxRk i a'khNRk g<sup>o</sup> us dkj .k dkji g'sku ds fd l h Hkh Adkj ds ykHk'k dh ?k<sup>o</sup> .kk djus ij j<sup>o</sup> d gA
  - (iv) dkji g'sku us oki l djus ds fy, i fji Do g<sup>o</sup> p'ph Tk'k jk'k j i fji Do g<sup>o</sup> p'ps fMcpj RkFkk mu ij mi k fTk C; kTk ds fy, bLR<sup>o</sup>ky dh Tkus oky

and complied with the provisions of section 154 of the Companies Act, 1956 and its articles of Association in this regard.

6. The Annual General Meeting for the financial year ended on 31<sup>st</sup> March, 2008 was held on 29<sup>th</sup> September, 2008 after giving due notice to the members of the Corporation and the resolutions passed thereat were duly recorded in Minutes Book maintained for the purpose.
7. No extra ordinary meeting was held during the financial year ended on 31<sup>st</sup> March, 2009.
8. The Corporation has not advanced any loans to its directors or firms or companies referred to u/s 295 of the Act.
9. The Corporation has not entered into any contract falling within the purview of section 297 of the Act.
10. The Corporation was not required to make any entries in the register maintained under section 301 of the Act.
11. As there were no instances falling within the purview of Section 314 of the Act, the Corporation had no need to obtain any approvals from the Board of Directors, members or Central Government.
12. The Corporation has not issued any duplicate certificates during the financial year ended on 31<sup>st</sup> March, 2009.
13. The Corporation has:
  - i) Delivered all the certificates on allotment of securities and on lodgement thereof for transfer/transmission or any other purpose in accordance with the provisions of the Act.
  - ii) The Corporation has not deposited any amount in a separate bank account as the Corporation is prohibited to declare any dividend being registered under section 25 of the Companies Act, 1956.
  - iii) The Corporation has not posted warrants to any member of the Corporation as the Corporation is prohibited to declare any dividend being registered under section 25 of the Companies Act, 1956.
  - iv) The Corporation has not transferred any amounts of application money due for refund, matured deposits, matured debentures and the

/kujkf'k eal scdk; k ; k ns u g@usdsckj .k dñ Hkh , d h jkf'k dk v@kj .k ughafd; k g\$TK®fd I kRk o"K@ Rkd fuoskd f'k{kR RkFk I j {k.k QM eafcuk nkosdh ; k p@p@bz ugha xbz jkf'k ds: i ea i Mh gA

(v) vf/kfu; e dh /kjk 217 dh vi\$tkvka ds vuq i fof/kork-vuqkyu fd; k gA

14- dkji@§sku dk funskd eMy fof/kork-xfBRk gA vkdfLed fjfDRk; led®Hkj usdsfy, vRkfjDRk funskd@o\$fyi d funskd@ RkFk funskd@d dh fu; fDRk dā uh vf/kfu; e 1956 ds Áko/kkuka ds vuqkyu eafokh; o"K ds n@ku dj yh xbz FkA

15- fokh; o"K ds n@ku dkji@§sku }kjk Ácdk funskd@ i wkd kfyd funskd@Ácdk dh fu; fDRk dā uh vf/kfu; e 1956 ds Áko/kkuka ds vuq kj gA

16- 31 ekp] 2009 d® I ekIRk fokh; o"K ds n@ku dā uh us fd I h Hkh , dek= foØ; , TkM dh fu; fDRk ugha dh gA

17- dkji@§sku d® dñz I jdkj] dā uh fof/k eMy] {®=h; funskd] dā uh jfTKLVkj v@; k vf/kfu; e ds Áko/kkuka ds v@xRk fu/kkzRk vf/kdfj; k l s vup@nu ÁkIRk dj us dh vko' ; dRk ugha FkA

18- vf/kfu; e ds Áko/kkuka v@ muds v@xRk cuk, x, fu; e kds vuq j.k eafunskd eMy ds I efk vl; Qe@dā fu; k e vi uh #fp dk vÁdVu funskd@d sfy, vko' ; d ugha FkA

19- 31 ekp] 2009 d® I ekIRk fokh; o"K ds n@ku dkji@§sku us d@bz Hkh '®; j @fMcpj @vl; ÁFRkHkRk Tkjh ugha dh gA

20- 31 ekp] 2009 d® I ekIRk fokh; o"K ds n@ku dkji@§sku us d@bz Hkh '®; j oki I ugha [kj hA

21- 31 ekp] 2009 d® I ekIRk fokh; o"K ds n@ku ojh; Rk okys '®; j k i j d@bz i qyRk ugha gA

22- dkji@§sku ds fy, mi; fDRk ykHk k] '®; j RkFk yfEck c@ul '®; j v@ '®; j v@kj .k dk i @khdj .k ds vLkFkx dh dkj @bz vi f@Rk ugha FkA

23- 31 ekp] 2009 d® I ekIRk fokh; o"K ds n@ku /kjk 58 v ds v@xRk dkji@§sku us vl j f@Rk \_\_.k ds I kFk I kFk fd I h Hkh Ádkj ds fu{® d® vkef=Rk@LohNIRk ugha fd; k gA

interest accrued thereon which have remained unclaimed or unpaid for a period of seven years to Investor Education and Protection Fund as there are no such amounts due or payable.

v) Duly complied with the requirements of section 217 of the Act.

14. The Board of Directors of the Corporation is duly constituted. The appointment of additional directors, alternate directors and directors to fill casual vacancy made during the financial year is in compliance with the provisions of the Companies Act, 1956.

15. The appointments made by the Corporation as managing director/whole time director/manager during the financial year are in compliance with the provisions of the Companies Act, 1956.

16. The company has not appointed any sole – selling agents during the financial year ended on 31<sup>st</sup> March, 2009.

17. The Corporation was not required to obtain any approvals of the Central Government, Company Law Board, Regional Director, Registrar of Companies and/or such authorities prescribed under the various provisions of the Act.

18. The directors are not required to disclose their interest in other firms/companies to the Board of Directors pursuant to the provisions of the Act and the rules made thereunder.

19. The Corporation has not issued any shares/debentures/other securities during the financial year ended on 31<sup>st</sup> March, 2009.

20. The Corporation has not bought back any shares during the financial year ended on 31<sup>st</sup> March, 2009.

21. There was no redemption of preference shares or debentures during the financial year ended on 31<sup>st</sup> March, 2009.

22. There were no transactions necessitating the Corporation to keep in abeyance rights to dividends, rights shares and bonus shares pending registration of transfer of shares.

23. The Corporation has not invited/accepted any deposit including any unsecured loans falling within the purview of Section 58A during the financial year ended on 31<sup>st</sup> March, 2009.

- 24- 31 ekpł 2009 d<sup>o</sup>l ekIRk fołk; o"lz dsn<sup>o</sup>ku dkji<sup>o</sup>sku usfdl h Hkh Ádkj dk m/kkj ughafd; k gA
- 25- dkji<sup>o</sup>sku usvli; ušfed l ħ.Fkkvka d<sup>o</sup>fdl h Hkh Ádkj dk \_\_.k ; k vfxe ; k xkjā/h ugha nh gS; k ÁFRkHkRk; ka mi yC/k ugha djkbZ gA RkFk QyLo: i bl mĪs; dsfy, j[<sup>o</sup>x, jfTKLVj ea d<sup>o</sup>BZ Áfof"V ugha dh gA
- 26- o"lz dsn<sup>o</sup>ku dh xbZ l eh{kk ds vRkxRk dkji<sup>o</sup>sku us , d jkT; l snĪ jsjKT; ea dā uh ds i ākhĪRk dk; kzy; dh fLFkRk ds l nHkZ ea Kki u ds Áko/kkuka ea fdl h Hkh Ádkj dk ifjorkZu ughafd; k gA
- 27- o"lz dsn<sup>o</sup>ku dh xbZ l eh{kk ds vRkxRk dkji<sup>o</sup>sku us dā uh ds mĪs; ka ea fdl h Hkh Ádkj dk ifjorkZu ugha fd; k gA
- 28- o"lz dsn<sup>o</sup>ku dh xbZ l eh{kk ds vRkxRk dkji<sup>o</sup>sku us dā uh dsuke ea fdl h Hkh Ádkj dk ifjorkZu ughafd; k gA
- 29- o"lz dsn<sup>o</sup>ku dh xbZ l eh{kk ds vRkxRk dkji<sup>o</sup>sku us dā uh dh '®; j i ākh ea fdl h Hkh Ádkj dk ifjorkZu ugha fd; k gA
- 30- 31 ekpł 2009 d<sup>o</sup>l ekIRk fołk; o"lz dsn<sup>o</sup>ku dkji<sup>o</sup>sku us l ħ.Fk ds vRkfuz; eka ea fdl h Hkh Ádkj dk ifjorkZu ugha fd; k gA
- 31- vf/kfu; e ds vRkxRk vij/kka dsfy, fołk; o"lz dsn<sup>o</sup>ku dkji<sup>o</sup>sku ds fo: ) d<sup>o</sup>BZ vfhk; ®Tu ; k dkj.k cRkv<sup>o</sup> u<sup>o</sup>VI ÁkIRk ugha gvk gA
- 32- 31 ekpł 2009 d<sup>o</sup>l ekIRk fołk; o"lz dsn<sup>o</sup>ku dkji<sup>o</sup>sku d<sup>o</sup>vi us dkfeZka l s ÁFRkHkRk ds : i ea d<sup>o</sup>BZ /ku ÁkIRk ugha gvk gA
- 33- 31 ekpł 2009 d<sup>o</sup>l ekIRk fołk; o"lz dsn<sup>o</sup>ku dkji<sup>o</sup>sku us Hkfo"; fuf/k vāknku gRkq dV<sup>o</sup>Rk dh xbZ Hkfo"; fuf/k dh jkf'k d<sup>o</sup>fu/kkZjRk Ákf/kdkj l sfu; Rk l e; ea Hkfo"; fuf/k vf/kfu; e ds Áko/kkuka , oa ml ds vRkxRk cuk, x, fu; eka ds vuq kj Ttek dj k fn; k gA

24. The Corporation has not made any borrowing during the financial year ended on 31<sup>st</sup> March, 2009.
25. The Corporation has not made any loans or advances or given guarantees or provided securities to other bodies corporate and consequently no entries have been made in the register kept for the purpose.
26. The Corporation has not altered the provisions of the memorandum with respect to situation of the company's registered office from one state to another during the year under scrutiny.
27. The Corporation has not altered the provisions of the memorandum with respect to the objects of the company during the year under scrutiny.
28. The Corporation has not altered the provisions of the memorandum with respect to name of the company during the year under scrutiny.
29. The Corporation has not altered the provisions of the memorandum with respect to share capital of the company during the year under scrutiny.
30. The Corporation has not altered its articles of association during the financial year ended on 31<sup>st</sup> March, 2009.
31. There was no prosecution initiated against or show cause notices received by the Corporation, during the financial year, for offences under the Act.
32. The Corporation has not received any money as security from its employees during the financial year ended on 31<sup>st</sup> March, 2009.
33. The Corporation has deposited the amount of provident fund deducted towards contribution of Provident Fund during the financial year ended on 31<sup>st</sup> March, 2009 with the prescribed authority within the stipulated time as per the provisions of the Provident Fund Act and rules made thereunder.

½f'ouh ds d<sup>o</sup>gyh  
 vf'ouh d<sup>o</sup>gyh , oa vl ¶l , Vt  
 dā uh l fpo  
 l ħ-i-ħ- l ā; k 3435

(Ashwini K. Kohli)  
 Ashwini Kohli & Associates  
 Company Secretaries  
 C.P. No. 3435

LFkku % ubZ fnYyh  
 fnukd % 31-08-2009

Place New Delhi  
 Date: 31.08.2009

### vuyxud-v

uskuy fjl pz fMoyieW dkjiqsku }kjk j[® x, jFTkLVj

Øe la	jFTkLVj dk fooj.k /kjk
1- InL; kadk jFTkLVj	/kjk 151 ds vBkxBk
2- '®;j vBkj.k dk jFTkLVj	/kjk 108 ds vBkxBk
3- dk; bRk o dk; j ph i qLRkd	/kjk 193 ds vBkxBk
4- funskdka o '®;j/kkj dka dh mi fLFkFRk dk jFTkLVj	
5- LFKkbZ i fjl ä fÜk; ka dk jFTkLVj	vud ph VI
6- I k/kj.k egj yxk, x, Ai =ka dk jFTkLVj	

### vuyxud-c

dkjiqsku }kjk 31 eksp 2009 d®l ekIRk foUkh; o"lz ds nqku da uh jFTkLVkj d®Tkek fd, x, Q,eZo fjVuZ

Ø- Q,eZ la @/kjk fo"t; la vud ph la	Tkek fd; k
1- vud ph 5 159 29-9-2008 Rkd ok"kd fj i qVZ	25-11-2008
2- vud ph 6 220 31-11-2008 d® I ekIRk o"lz ds fy, eMy dh ok"kd fj i qVZ Rkyu i = vq ykHk o gkfu dk yqkk	25-11-2008

Wf'ouh ds dgyhZ  
vf'ouh dgyh , oavI qI, Vt  
da uh I fpo  
I hih I q; k 3435

LFkku % ubZ fnYyh  
fnukd % 31-08-2009

### ANNEXURE-A

Registers as maintained by the National Research and Development Corporation

Sl. No.	PARTICULARS OF REGISTER SECTION
1. Register of Members	U/s 151
2. Register of Share Transfer	U/s 108
3. Agenda & Minutes Book	U/s 193
4. Attendance Register of Directors & Shareholders	
5. Register of Fixed Assets	Schedule VI
6. Register of Documents on which Common Seal is affixed	

### ANNEXURE-B

Forms and Returns as filed by the Corporation with the Registrar of Companies, during the financial year ended on 31<sup>st</sup> March, 2009.

Sl. No.	Form No./Section Schedule No.	Subject	Filed on
1.	Schedule 5 159	Annual Return made up to 29.09.2008.	25.11.2008
2.	Schedule 6 220	Boards Annual Report, Balance Sheet & Profit & Loss Account for the year ended on 31.03.2008	25.11.2008

(Ashwini K. Kohli)  
Ashwini Kohli & Associates  
Company Secretaries  
C.P. No. 3435

Place New Delhi  
Date: 31.08.2009



ys[kk  
ACCOUNTS

31 elp] 2009 dks Fkk  
As at 31st March, 2009

fooj .k Particulars	vuq ph Schedule	t\$ k 31-3-2009 dks Fkk As at 31.3.2009		t\$ k 31-3-2008 dks Fkk As at 31.3.2008	
		#i , Rs.	#i , Rs.	#i , Rs.	#i , Rs.
<b>fuf/k; ka ds l kr</b> <b>SOURCES OF FUNDS</b>					
'ks j/kkfj ; kaCh fuf/k; ka SHAREHOLDERS FUNDS					
¼d½ 'ks j i nch (a) Share Capital	d A	4,41,81,000		4,41,81,000	
¼[k½ v[kjf{kr rFkk vf/k' kSk (b) Reserves and Surplus	[k B	5,83,76,525	10,25,57,525	5,51,79,193	9,93,60,193
; lK Total			10,25,57,525		9,93,60,193

**fuf/k; ka dk vuqz lK**  
**APPLICATION OF FUNDS**

LFkkbz i fj l i fUk; ka FIXED ASSETS					
¼d½ l dy Cykkl (a) Gross Block	X C	2,11,19,172		2,03,09,523	
¼[k½ ?kVk, a % eW; gkl (b) Less : Depreciation		1,18,28,805		1,09,20,342	
¼x½ fuoy Cykkl (c) Net Block			92,90,367		93,89,181
fuoSk INVESTMENTS	?k D		60,12,333		60,12,332

**pkY i fj l i fUk; k] \_\_.k rFkk vfxe jkf' k; ka**  
**CURRENT ASSETS, LOANS & ADVANCES**

¼d½ mi fpr C; kt (a) Interest Accrued	M E	60,81,987		66,41,447	
¼[k½ eky l fip; ka (b) Inventories	p F	1,98,083		2,34,198	
¼x½ fofo/k nunkj (c) Sundry Debtors	N G	6,19,04,862		3,38,72,539	
¼[k½ udn o cE l 'kSk (d) Cash and Bank Balances	t H				
(i) , u-vkj-Mh-I h; ds fO; kdyki ka ds fy, (i) For NRDC Activities		14,01,80,404		14,35,86,191	
(ii) vU; çkt DV fO; kdyki ka ds fy, (ii) For Others Project Activities		—		6,82,91,854	
¼M-½ __.k rFkk vfxe jkf' k; ka (e) Loans and Advances	> I	2,77,95,241		2,12,69,134	
		23,61,60,577		27,38,95,363	

fooj.k Particulars	vuq'ph Schedule	t\$ k 31-3-2009 dks Fkk As at 31.3.2009 #i, Rs.	t\$ k 31-3-2008 dks Fkk As at 31.3.2008 #i, Rs.
7kVka % or'eku nkf; Ro rFkk ito/kku Less : CURRENT LIABILITIES AND PROVISIONS			
or'eku nkf; Ro Current Liabilities	- J		
, u-vkj-Mh-l h- ds fØ; kdyki ka ds fy, For NRDC Activities		13,32,98,708	10,81,66,613
vll; çkst ØV fØ; kdyki ka ds fy, For Other Project Activities		7,98,566	6,82,91,854
ito/kku Provisions	V K	1,51,83,285	1,35,83,955
fuoy or'eku ifjl ä fÜk; ka Net Current Assets		14,92,80,559	19,00,42,422
l dy ifjl ä fÜk ij vLkFkfxr dj DEFERED TAX ASSET-NET			3,74,807
; kx Total		10,25,57,525	9,93,60,193

egROI wLz y\$kk uhfr; ka vL\$ y\$kk fVlif.k; ka ;  
Significant Accounting Policies and Notes to Accounts Z

fVli.kh % vuq'ph ^d\* l s ^; \* vL\$ vuq'ph 1&d l s 1&?k] y\$kk dk gh vfuok; l vx gA  
Note : Schedules A to Z & Schedules 1-A to 1-D, form integral part of Accounts.

l e frfFk dh gekjh fji kVZ ds vuq'kj gLrk{kfjr vL y/xu%  
Signed in terms of our report of even date annexed

Ñrs ,oe- fufelk xqrk jkt ,.M dñ uh  
l unh y\$kkiky  
For and on behalf of Gupta Raj & Company  
Chartered Accountants

jkt d'ekj xqrk  
Hkxhnrkj  
Raj Kumar Gupta  
Partner  
l nL; l @Membership No. 10437  
LFkku % ubz fnYyh  
Place : New Delhi  
fnukad % 31 vxLr] 2009  
Date : 31 August, 2009

Ñrs ,oe-fufelk funskd eMy  
For and on behalf of the Board of Directors

l k'ukFk ?kksk v/; {k o i çdk funskd Somenath Ghosh Chairman & Managing Director	Mk- foHkq jf'e funskd Dr. Vibhu Rashmi Director
oh-ds eupnk çHkkjh dñ uh dk; l V.K. Manchanda Incharge Company Affairs	,-ch- byæks çHkkjh foÜk A.B. Ilango Incharge Finance

31 ekpl 2009 dks l ektr gkus okys o'iz ds fy,  
For the year ended 31st March, 2009

fooj.k Particulars	vuq'ph Schedule	31-3-2009 dks l ektr o'iz graq For the year ended 31.3.2009		31-3-2008 dks l ektr o'iz graq For the year ended 31.3.2008	
		#i, Rs.	#i, Rs.	#i, Rs.	#i, Rs.
<b>vk; ; INCOME</b>					
i hfe; e rFkk jkW YVh Premia and Royalty	B L		7,62,53,738		4,19,28,941
fcØh Sales					
?kjyq Domestic		22,16,670			12,55,155
fu; kF Export		50,45,217	72,61,887		—
i jke' khz rFkk Ø; kol kf; d l Øk, a Consultancy & Professional Services			2,11,58,407		2,97,78,392
vU; vk; Other Income	M M		1,73,54,977		1,52,98,604
			<u>12,20,29,009</u>		<u>8,82,61,092</u>
<b>Ø; ; EXPENDITURE</b>					
i hfe; e vlg; jkW YVh ea vuq' dkku l h.Fkkuka dk fgLI k Research Institutions Share in Premia and Royalty	< N		5,31,08,813		2,83,65,870
Ø; Purchases			62,48,848		10,45,962
deplkj; ka dk oru o l fpo/kk, a Employees Salary & Benefits	.k O		2,96,02,132		1,21,44,370
v/; {k o izdk funskd dk ikfjJfed vlg; l fpo/kk, a rFkk xj; l jdkjh funskdka dk ;k=k HkÜkk@nfsud HkÜkk Chairman & Managing Director's Remuneration & Benefits and TA/DA of non-official Directors	r P		26,99,448		25,58,912
cës [krs ea Mkyh xbz jkf'k l fgr i jke' khz@i fj; kst uk vlg; vU; Ø; ; Other Expenses including Consultancy/Project Expenses and amount written off	Fk Q		2,30,29,370		3,66,26,738

fooj.k Particulars	vuq ph Schedule	31-3-2009 dks l ekir o"l grq For the year ended 31.3.2009		31-3-2008 dks l ekir o"l grq For the year ended 31.3.2008	
		#i, Rs.	#i, Rs.	#i, Rs.	#i, Rs.
y[tk ijh{kdk dk ikfjJfed Auditor's Remuneration	n R		75,640		54,214
fuEufyf[kr ij eW; gkl % Depreciation on : LFkkbz i fjl á fUk; ka Fixed Assets	X C		10,83,767		13,06,204
			<u>11,58,48,018</u>		<u>8,21,02,270</u>
dj i wZvf/k' kSk SURPLUS BEFORE TAX			61,80,991		61,58,822
?kVv, a % vk; dj ds fy, iko/kku Less : Provision for Income Tax			22,00,000		28,00,000
vuqkxh l qo/kk dj ns @iko/kku Fringe Benefit Tax Paid/Provision			4,94,277		2,64,927
vkLFkfxr dj ds fy, iko/kku Provision for Deferred Tax			(2,69,068)		(3,51,587)
i wZ ds o"l ds fy, oki l h dk iko/kku Excess Provision for earlier year return back			(13,639)		(1,89,433)
l frnX/k __.kka ds fy, cko/kku Provision for Bad and Doubtful Debts			5,72,089		6,08,239
vkjff{kr jkf'k ea dj gLrk rj.k ds ckn vf/k' kSk SURPLUS AFTER TAX TRANSFERRED TO RESERVE			31,97,332		30,26,676

egRo iwZ y[tk uhfr; ka v[; y[tk fVl i f.k; ka ;  
Significant Accounting Policies and Notes to Accounts Z

fVl i .kh % vuq ph ^d\* l s ^; \* v[; vuq ph 1&d l s 1&?k] y[tk dk gh vfuok; l vx gA  
Note : Schedules A to Z & Schedules 1-A to 1-D, form integral part of Accounts.

l e frfFk dh gekjh fji kVZ ds vuq kj gLrk{kfjr v d yXU%  
Signed in terms of our report of even date annexed

Nrs ,oe- fufelk xqrk jkt ,.M dā uh  
l unh y[tkki ky  
For and on behalf of Gupta Raj & Company  
Chartered Accountants

jkt d[ekj xqrk  
Hkxhnrkj  
Raj Kumar Gupta  
Partner  
l nL; l a@Membership No. 10437  
LFkku % ubZ fnYyh  
Place : New Delhi  
fnukd % 31 vxLr] 2009  
Date : 31 August, 2009

Nrs ,oe-fufelk funskd eM/y  
For and on behalf of the Board of Directors

l keukFk ?kSk v/; {k o i cdk funskd Somenath Ghosh Chairman & Managing Director	Mk- foHkq jf' e funskd Dr. Vibhu Rashmi Director
oh-ds eupnk cHkjh dā uh dk; l V.K. Manchanda Incharge Company Affairs	,-ch- byxks cHkjh foUk A.B. Ilango Incharge Finance

Particulars	रुपए Rs.	31-3-2009 रुपए Rs.	रुपए Rs.	31-3-2008 रुपए Rs.
<b>d- 'ksj inth</b>				
<b>A. SHARE CAPITAL</b>				
<b>ikf/kdr</b>				
AUTHORISED				
1]00]000 bfDoVh 'ksj iR; d 1]000 #i , %xr o"z 1]00]000%				
1,00,000 Equity Shares of Rs. 1,000 each (Previous year 1,00,000)		10,00,00,000		10,00,00,000
<b>tkjh] vfhnÜk v\$ inÜk</b>				
44]181 bfDoVh 'ksj iR; d 1]000 #i, dk %xr o"z 44]181%				
ISSUED, SUBSCRIBED AND PAID UP 44,181 Equity Share of Rs. 1,000/- each (Previous year 44,181)		4,41,81,000		4,41,81,000
<b>[k- vkjf{kr v\$ vf/k'ksk</b>				
<b>B. RESERVES AND SURPLUS</b>				
<b>i) l kkl; vkjf{kr</b>				
i) GENERAL RESERVE		24,38,056		24,38,056
<b>ii) vf/k'ksk</b>				
<b>ii) SURPLUS</b>				
'ksk fi Nys rgyu&i = ds vuq kj Balance as per last Balance Sheet	5,24,76,415		4,94,49,739	
tkk/a % vk; &0; ; [kkrs l s gLrkrfjr Add : Transferred from Income & Expenditure Account	31,97,332	5,56,73,747	30,26,676	5,24,76,415
<b>iii) v'kks; v\$ l inX/k __.kka ds fy, fjtöl</b>				
<b>iii) RESERVE FOR BAD AND DOUBTFUL DEBTS</b>				
'ksk fi Nys rgyu&i = ds vuq kj Balance as per last Balance Sheet	2,64,722		2,64,722	
tkk/a % v'kks; v\$ l inX/k __.kka ds fy, iko/kku l s gLrkrfjr jkf'k Add : Amount transferred from Provision for Bad & Doubtful Debts Account	—	2,64,722	—	2,64,722
		5,83,76,525		5,51,79,193

Particulars	GROSS BLOCK (at Cost)			DEPRECIATION				NET BLOCK		
	Original cost as at 1st April 2008	Addition during the year	Deduction/Adjustment during the year	Original cost as at 31st March 2009	Provision up to 31st March 2008	For the year	Deduction/Adjustment during the year	Provision up to 31st March 2009	As at 31st March 2009	As at 31st March 2008
	#i, Rs.	#i, Rs.	#i, Rs.	#i, Rs.	#i, Rs.	#i, Rs.	#i, Rs.	#i, Rs.	#i, Rs.	#i, Rs.
<b>x- LFkkbz i fjl á fÜk; ka</b>										
<b>C. FIXED ASSETS</b>										
<b>Hñie 14-6-1979 l s LFkkbz</b>										
<b>yht ij½</b>										
Land (On perpetual lease w.e.f. 14.6.1979)	21,47,409	—	—	21,47,409	6,29,029	—	21,691	6,50,720	14,96,689	15,18,380
<b>Hou</b>										
Building	28,01,670	—	—	28,01,670	13,54,961	45,667	—	14,00,628	14,01,042	14,46,709
<b>fo q l kfkku</b>										
Electrical Installation	6,68,980	—	—	6,68,980	6,60,286	2,890	—	6,63,176	5,804	8,694
<b>dk; lÿ; e'khujh vÿj l leku</b>										
Office Machinery & Equipments	46,10,528	5,59,413	—	51,69,941	12,80,295	2,10,762	—	14,91,057	36,78,884	33,30,233
<b>dk; lÿ; ds dEl; Wj</b>										
Office Computers	56,68,289	4,27,100	—	60,95,389	36,89,472	6,04,446	—	42,93,918	18,01,471	19,78,817
<b>Quhpj vÿj fODI pj</b>										
Furniture & Fixtures	13,06,991	2,993	—	13,09,984	9,54,606	45,571	—	10,00,177	3,09,807	3,52,385
<b>iqrky; dh iqrda</b>										
Library Books	10,12,154	36,519	—	10,48,673	9,82,295	33,249	—	10,15,544	33,129	29,859
<b>okgu</b>										
Vehicles	16,03,553	—	(2,16,380)	13,87,173	8,95,720	1,36,182	(1,96,995)	8,34,907	5,52,266	7,07,833
<b>Quhpj vÿj fODI pj Wkbl ih ih½</b>										
Furniture & Fixture (IPP)	2,11,997	—	—	2,11,997	2,11,988	—	—	2,11,988	9	9
<b>miLdj rFkk e'khujh Wkbl ih ih½</b>										
Equipment & Machinery (IPP)	84,086	—	—	84,086	84,080	—	—	84,080	6	6
<b>iqrky; dh iqrda Wkbl ih ih½</b>										
Library Books (IPP)	1,73,860	—	—	1,73,860	1,73,860	—	—	1,73,860	—	—
<b>lWVos j iÿst W u vÿj Mh l h½</b>										
Software Package (NRDC)	20,000	—	—	20,000	3,750	5,000	—	8,750	11,250	16,250
<b>lWVos j iÿst W h ih ih½</b>										
Software Package (TPP)**	3	7,50,648	(7,50,644)	7	—	—	—	—	7	3
<b>lWVos j iÿst Wkbl ih ih½</b>										
Software Package (IPP)**	3	—	—	3	—	—	—	—	3	3
<b>; kx</b>										
Total	2,03,09,523	17,76,673	(9,67,024)	2,11,19,172	1,09,20,342	10,83,767	(1,75,304)	1,18,28,805	92,90,367	93,89,181
<b>xr o'k</b>										
Previous Year	1,76,68,217	35,78,214	(9,36,908)	2,03,09,523	96,25,261	13,06,204	(11,123)	1,09,20,342	93,89,181	80,42,957

\*\*Hkkjr l jdkj ds vuqtku ds fuk l WVos j iÿst [l jhnk ft l dh ukstuy dher 1 #i; k fn[kkbl xbl gA  
 \*\*Software Package purchased out of Government grants are shown at a notional value of Re. 1.



Particulars	31-3-2009 #i, Rs.	31-3-2008 #i, Rs.	31-3-2008 #i, Rs.	31-3-2008 #i, Rs.
6]000 ykxr #- 500@& iwnk-% inÜk eš ; fuQkj l kQVosj fl lVe çk fy- vfdR eW; #- 10@& (FV Rs. 10/-)				
6,000 Cost Rs. 500/- Fully Paid M/s. Uniphore Software Systems Pvt. Ltd.	30,00,000			
Less : Investment made from Grants of IPP Angel Funding shown in IPP Expenses Statement	29,99,999	1		
		<u>60,12,333</u>		<u>60,12,332</u>

&,e oh vFkkZ- çktkj eW;  
-MV Denotes Market Value  
&,Q oh vFkkZ- vfdR eW;  
-FV Denotes Face Value  
\* vuq'ph ^; \* ea n'kkZ k x; k  
\* Refer Note of Schedule 'Z'  
\*\*\*\*HkjR l jdlj ds vuq'ku ds fudk fuošk fd; k ft l dh ukškuy dher 1 #i ; k fn [kkbZxbZgA  
\*\*\*\*Investments made out of Government Grants are shown at a notional value of Re. 1.

**pkym ifjl i fÜk; kj \_\_.k rFkk vfxe jkf'k; ka**  
**CURRENT ASSETS, LOANS & ADVANCES**

**M- mifpr C; kt**

**E. INTEREST ACCRUED**

l kof/k tek ij

On Fixed Deposits

60,81,987	66,41,447
<u>60,81,987</u>	<u>66,41,447</u>

**p- eky l fp; ka**

**Wz dtdka }jk eW; kfdR rFkk iekf.kr½**

**F. INVENTORIES**

(As taken, valued and certified by the Management)

LVkd l rFkk Lis l Z

Stores and Spares

yšku l kexh

[1]65]487 #- dh eky l'ph Hkh 'kkfey gš

W]60]033 #-½ fi Wj ds ikl iMš dkt' dh ykxr Lo: ij

Stationery

[including inventory of Rs. 1,65,487 (Rs. 1,60,033)

being cost of the paper lying with printer]

10,114	7,023
<u>1,87,969</u>	<u>2,27,175</u>
<u>1,98,083</u>	<u>2,34,198</u>

Particulars	31-3-2009		31-3-2008
	#i, Rs.	#i, Rs.	#i, Rs.
<b>N- fofo/k nunkj %vukj{kr%</b>			
<b>G. SUNDRY DEBTORS (Unsecured)</b>			
N% ekl l s vf/kd le; ds fy, cdk;k __.k			
DEBTS OUTSTANDING FOR A PERIOD EXCEEDING SIX MONTH			
'kkf; l e>s x, Considered Good	1,40,58,349	1,03,89,290	
l fnX/k l e>s x, Considered Doubtful	1,10,123	1,10,123	
OTHER DEBTS			
'kkf; l e>s x, Considered Good	4,89,99,755	2,40,64,402	
	<u>6,31,68,227</u>	<u>2,40,64,402</u>	3,45,63,815
?kV/a % l fnX/k __.kka ds fy, i ko/kku			
Less : PROVISION FOR DOUBTFUL DEBTS			
'kfk finys rgyu&i = ds vuq kj Balance as per last Balance Sheet	6,91,276	83,037	
CVVs [kkrs dks ?kV/a, Less Amount Written off	—	50,000	
tek dja % u, l ky ds fy, i ko/kku Add : New Provision for the year	5,72,089	6,58,239	
	<u>12,63,365</u>		6,91,276
	<u>6,19,04,862</u>		<u>3,38,72,539</u>
<b>t- udn rFk cfd 'kfk</b>			
<b>H. CASH AND BANK BALANCES</b>			
(i) , u-vkj-Mh-l h- ds fO; kdyki ka ds fy, (i) For NRDC Activities			
ikl ea udn Cash in Hand	1,00,041	88,052	
ikl ea LVEi Stamps in Hand	49,727	33,035	
BALANCES WITH SCHEDULED BANKS IN			
, u-vkj-Mh-l h- ds pkyw [kkrs Current Accounts of NRDC	1,08,44,661	1,96,19,254	
l kof/k tek* Fixed Deposits*	12,86,87,827	12,20,94,339	
MkYj [kkrs ea Dollar Denominated Account	—	17,51,511	
ikl ea pfd Cheques in Hand	4,98,148	—	
	<u>14,01,80,404</u>		14,35,86,191
(ii) vl; ckt DV dk; k ds fy, (ii) For Others Projects Activities			
uYdks ckt DV ds fy, l kof/k tek Fixed Deposit for NALCO Project	—	6,82,85,000	
uYdks ckt DV ds fy, pkyw [kkrs Current Account of NALCO Project	—	6,854	
			6,82,91,854
*%cfd xkj/h grq cfd ea fxjoh 65000 #i, l fgr% (Including Rs. 65,000 under bank lien for bank guarantee)	<u>14,01,80,404</u>		<u>21,18,78,045</u>

Particulars	31-3-2009		31-3-2008	
	#i,	Rs.	#i,	Rs.
<b>&gt;- .k vlg vfxe jkf'k; ka</b>				
<b>I. LOANS AND ADVANCES</b>				
vlvj f(kr & 'kkd; ekus x, ½ (Unsecured—considered good) udn vfkok 'kkd; oLrq ds : i ea ol ny gkus okyh jkf'k vfkok iklr gkus okyt eM; buea l h, e-Mh- l s cdk; k 'kk; #i, ¼kk; #i, ½kk 'kkfey gA o'kz ds nkgku l h, e-Mh- l s cdk; k vf/kdre vfxe jkf'k 2]81]201 #i, 2]22]489 #i, ½ Amount recoverable in cash or in kind or for value to be received includes a sum of Rs. Nil due from C.M.D. (Rs. Nil) maximum amount of advance due during the year from C.M.D. Rs. 2,81,201 (Rs. 2,22,489)				
l keu o l okvha ds fy,				
For Goods and Services		1,95,072		4,62,994
i ml i nUk 0; ; ka ds fy,				
For Pre-Paid Expenses		28,111		28,970
vU; ds fy,				
For Others		55,40,362		18,38,160
vU; vfxe jkf'k; ka				
Other Advances				
deplfj; ka ds vfxe				
Advances to Employees				
Hkou fuekzk ds fy, vfxe %; kt l fgr ½				
¼ h-i-h, Q- xg.k] fxjoh] xP; v/h rFkk 0; fDrxr xkjv/h jkj k iklr ½				
House Building Advance (including interest accrued)		59,08,729		63,99,714
(Secured by mortgage, lien on CPF, Gratuity and personal guarantee)				
LVIQ ds fy, vU; vfxe jkf'k; ka				
Others Staff Advances				
C; kt l fgr vfxe				
Interest Bearing Advances		26,88,920		30,34,689
C; kt jfgr vfxe				
Non Interest Bearing Advances		6,52,906		2,74,848
fodkl ij; kst ukvha ds fy,				
For Development Projects				
vl jf(kr 'kkd; ekus x,				
Unsecured Considered Good		20,40,500		24,96,331
vk; dj Lkr ij dVks'h				
Income Tax Deducted at Source		52,49,474		55,47,174
vfxe vuUkxh l fo/kk, a dj				
Advance Fringe Benefit Tax		10,75,441		6,09,916
ikl; vk; dj fjQM				
Income Tax Refund Receivable		32,01,674		3,54,137
ifrkkor tek				
Security Deposit		2,22,112		2,22,201
Hkkjr l jckj l s ikl; jkf'k				
¼kblz ih ih ds fy, vuupku ds : i eM				
Amount Receivable from Govt. of India		9,91,940		—
(On account of Grant for IPP)				
		<u>2,77,95,241</u>		<u>2,12,69,134</u>

Particulars	31-3-2009		31-3-2008	
	#i, Rs.	#i, Rs.	#i, Rs.	#i, Rs.
<b>orëku nkf; Ro rFk çlo/tku</b>				
<b>J. CURRENT LIABILITIES AND PROVISIONS</b>				
orëku nkf; Ro				
CURRENT LIABILITIES				
,u vkj Mh lh ds fØ; kdyki ka ds fy, orëku nkf; Ro				
Current Liability for NRDC Activities				
ihfe; e vkj jkW YVh ea vuq dtkku l dFkkuka dk fgLI k				
Research Institute's Share in Premia and Royalty	7,47,94,369		7,00,59,751	
fofo/k __.knkrk				
Sundry Creditors	63,00,155		90,64,072	
vfxæ vkj tek jkf'k				
Advances & Deposits	21,92,957		49,87,877	
vU; nkf; Ro				
Other Liabilities	4,79,19,559		1,95,64,900	
lh ,l vkb vkj ls vuqku				
Grants from CSIR	20,04,460		20,04,460	
Mh ,l vkb vkj ls vuqku&W/h ih ih o vkbZ ih ih				
ds vØ; f; r 'ksk½ fØoj.k /k o u ns[kk				
Grants from DSIR—(unspent balance of TPP & IPP)	—		23,98,345	
(Refer Schedules S & T)				
Mh ,l vkb vkj ls vuqku&vU; ifj; kst uk, a vØ; f; r 'ksk½				
Grants from DSIR—Other Projects (unspent balance)	87,208		87,208	
		13,32,98,708		10,81,66,613
vU; çkstØV ds fØ; kdyki ka ds fy, orëku nkf; Ro				
Current Liability for Other Projects Activities				
uYdks ifj; kst uk vØ; f; r 'ksk½				
NALCO Project (unspent balance)	7,98,566		6,82,91,854	
		7,98,566		6,82,91,854
<b>V- i to/tku</b>				
<b>K. PROVISIONS</b>				
vk; dj ds fy, i to/tku				
Provision for Income Tax	22,00,000		28,00,000	
vuqkxh l fØ/kk, a dj ds fy, i to/tku				
Provision for Fringe Benefit Tax	11,78,930		8,33,073	
NqVV; ka ds udnhdj.k ds fy, i to/tku				
Provision for Leave Encashment	1,18,04,355		99,50,882	
		1,51,83,285		1,35,83,955
		14,92,80,559		19,00,42,422
<b>B- ihfe; e vkj jkW YVh</b>				
<b>L. PREMIA AND ROYALTY</b>				
iklr ihfe; e				
Premia Received	1,20,42,500		1,02,82,500	
vftR jkW YVh				
Royalty Earned	6,42,11,238		3,16,46,441	
		7,62,53,738		4,19,28,941

Particulars	31-3-2009 #i, Rs.	31-3-2008 #i, Rs.
<b>M- vU; vk;</b>		
<b>M. OTHER INCOME</b>		
vftt C; kt W dy½		
Interest Earned (Gross)		
l kof/k tek ij		
On Fixed Deposits	1,28,05,951	1,20,51,752
vU; ka ij		
On Others	16,14,018	5,46,047
fofo/k vk;		
Miscellaneous Income	29,34,708	27,00,505
iktr ykHkkk		
Dividend Received	300	300
	<u>1,73,54,977</u>	<u>1,52,98,604</u>
<b>&lt;- ife; e o jkW YVh ea vuq ftku l fFtkuka dk fgLI k</b>		
<b>N. RESEARCH INSTITUTION'S SHARE OF PREMIA &amp; ROYALTY</b>		
ife; e		
Premia	83,88,750	71,48,250
jkW YVh		
Royalty	4,47,20,063	2,12,17,620
	<u>5,31,08,813</u>	<u>2,83,65,870</u>
<b>.k- deplfj; ka ds oru rftk ykHk</b>		
<b>O. EMPLOYEES SALARY AND BENEFITS</b>		
oru] etnjh] kul vkfn		
Salary, Wages, Bonus etc.	2,49,75,937	92,40,145
yho ,Udskew		
[bl ea 7]50]286 #- dk yho ,Udskew Hkh 'kkfey gS %xr o"z 8]19]072 #-½		
Leave Encashment	9,97,170	10,14,003
[including provision for leave encashment of Rs. 7,50,286 (previous year Rs. 8,19,072)]		
yho Vby dS ku		
Leave Travel Concession	46,543	7,488
,y-vkbZl h- minku ;kstuk ea ;ksxnku		
Contribution to LIC Gratuity Scheme	17,726	1,17,072
l kefgd cpr chek ea ;ksxnku		
Contribution to Group Saving Link Insurance Scheme	69,180	67,184
Hkfo"; fuf/k ea ;ksxnku		
Contribution to Provident Fund	26,99,673	7,53,282
dY;k.kdkjh ;kstukvka ij vU; 0; ;		
Other Expenses on Welfare Scheme	1,08,618	5,29,170
fpfdRI k 0; ; ka dh ifriwrZ		
Reimbursement of Medical Expenses	6,87,285	4,16,026
	<u>2,96,02,132</u>	<u>1,21,44,370</u>

Particulars	31-3-2009		31-3-2008	
	#i, Rs.	#i, Rs.	#i, Rs.	#i, Rs.
<b>P. CHAIRMAN &amp; MANAGING DIRECTOR'S REMUNERATION AND BENEFITS AND TA/DA OF NON-OFFICIAL DIRECTORS</b>				
Salary	9,41,093	11,59,441		
Contribution to Provident Fund	1,70,936	80,229		
Reimbursement of Medical Expenses	20,475	13,600		
Entertainment to Official Guests	6,000	6,000		
House Rent Subsidy	2,29,468	2,44,589		
Leave Encashment	47,531	82,987		
[including provision for leave encashment of Rs. 47,531 (previous year 82,987)]				
Premium for Group Saving Link Insurance Scheme	1,680	1,680		
		14,17,183		15,88,526
Travel Expenses				
Chairman and Managing Director	12,82,265	8,17,663		
TA/DA of Non-Official Directors	—	12,82,265	1,52,723	9,70,386
		26,99,448		25,58,912

Particulars	31-3-2009		31-3-2008	
	#i, Rs.	#i, Rs.	#i, Rs.	#i, Rs.
<b>Q. OTHER EXPENSES</b>				
Power Charges	2,53,905		2,47,286	
Rent & Other Charges	2,15,102		2,09,452	
Rates & Taxes	69,555		60,861	
Repairs and Maintenance				
Building	2,14,492		2,97,275	
Furniture and Equipment	89,446		94,323	
Vehicles	2,87,538		2,56,576	
Others	5,594		19,337	
Printing and Stationery	3,08,077		6,42,168	
Insurance Charges	17,879		59,148	
Bank Charges	57,766		28,709	
Postage, Telephone & Telegrams	4,39,647		4,65,587	
Legal and Professional Charges	71,16,340		1,85,12,309	
Patent Filling Expenses	93,87,766		77,17,011	
Travelling and Conveyance	32,11,425		14,60,981	
Publicity and Advertisement	2,10,020		1,59,865	
Miscellaneous Expenses	11,44,818		9,50,410	
Amount written off	—		54,16,596	
Loss on Sale of Assets	—		28,844	
		<u>2,30,29,370</u>		<u>3,66,26,738</u>
<b>R. AUDITORS' REMUNERATION</b>				
Audit Fees				
Current Year	27,575		28,090	
Previous Year	—		16,854	
For Other Services				
(a) Tax Audit	47,238		8,427	
(b) Audit of CPF Trust Account	827		843	
(c) Other Professional Services and out of pocket expenses	—		—	
		<u>75,640</u>		<u>54,214</u>

/k- vuqku dk mi ; ks vkfo"dkj l o/kU dk; De %vkbz ih i h

S. UTILISATION OF GRANTS OF INVENTION PROMOTION PROGRAMME (IPP)

fooj.k Particulars	vuq ph Schedule	#i, Rs.	31-3-2009 #i, Rs.	#i, Rs.	31-3-2008 #i, Rs.
<b>vk;</b>					
<b>INCOME</b>					
Hkjr l jdkj l s l gk; rk vuqku Grants-in-Aid from Govt. of India		2,80,00,000		3,50,00,000	
t kMa % xr o"lz dh v0; f; r 'kSk jkf'k Add : Unspent Balance of Previous Year		10,30,740		—	
?kVv, a % i mZ o"ka l s vf?kd 0; f; r jkf'k Less : Excess Expenditure of Earlier Year		—	2,90,30,740	2,26,667	3,47,73,333
vu; vk; 1&d Other Income 1-A			3,74,420		4,86,525
vk; dh vi\$kk 0; ; dh vf/kdrk vuq ph ^* dks gLrkfjr½ Excess of Expenditure over Income (Transferred to Schedule 'I')			4,45,530		—
			<u>2,98,50,690</u>		<u>3,52,59,858</u>
<b>0; ;</b>					
<b>EXPENDITURE</b>					
depkj; ka ds oru vks l fo/kk, a 1&k Employees Salary & Benefits 1-B		1,70,03,197		1,60,90,337	
?kVv, % , u vkj Mh l h ds vk; &0; ; y\$kk dks gLrkfjr Less : Transfer to NRDC Income & Expenditure A/c		<u>70,03,197</u>	1,00,00,000	—	1,60,90,337
if=dkvka dk eqzk Printing of Magazines			11,77,449		10,45,538
vcBdka ds [kps l fgr½ Financial Assistance & Prize Awards (including Meeting Expenses)			40,77,748		37,37,974
,ity QmMak Angel Funding			29,99,999		29,99,999
vkbz ih vkj f0; kdyki k@iVW l ehukj@iVW l gk; rk IPR Activities/Patent Seminar/Patent Assistance			93,60,624		64,78,838
dkuqih o 0; kol kf; d cHkkj Legal and Professional Charges			5,27,311		8,31,982
y\$kk i jh(kdka dk ikfjJfed 1&x Auditors Remuneration 1-C			28,402		45,787
vu; 0; ; 1&?k Other Expenses 1-D			<u>16,79,157</u>		<u>29,98,663</u>
vkb ih ih ds dk; ka ds fy, dty [kpl vuV½ Total Expenditure on the activities of IPP (NET)			2,98,50,690		3,42,29,118
o"lz ds n\$ku v0; f; r 'kSk vuq ph ^* ea l feyr Unspent Balance during the year included in Schedule 'I'			—		10,30,740
			<u>2,98,50,690</u>		<u>3,52,59,858</u>

u- वृत्तु दक मि ; लख इक्षिखध ल ढ/लु दक; डे व/ह इ ह इ

T. UTILISATION OF GRANTS OF TECHNOLOGY PROMOTION PROGRAMME (TPP)

Particulars	Schedule	वृत्तु ष #i, Rs.	31.3.2009 #i, Rs.	31.3.2008 #i, Rs.
<b>vk;</b>				
<b>INCOME</b>				
Hkkjr l jdkj l sl gk; rk vupku Grants-in-Aid from Govt. of India		4,20,00,000	4,00,00,000	
t k/a%xr o%kzdh v0; f; r 'kSk jk' k Add : Unspent Balance of Previous Year		13,67,605	37,182	
dy %Vh ih ih dsfy, mi yC/k l gk; rk vupku Net : Grants in Aid available for the TPP		4,33,67,605		4,00,37,182
v0; çkfr; ka Other Receipt		—		14,000
?kVk, a%vk; l s vf/kd [kpz] %vud ph ^* dks gLrkfjr Less : Excess of Expenditure over Income (Transferred to Scedule T)		5,46,410		—
		<u>4,39,14,015</u>		<u>4,00,51,182</u>
<b>0; ;</b>				
<b>EXPENDITURE</b>				
i kSj kfxdh varj.k ds fy, l puk foKku Informatics for Technology Transfer	lk U	1,80,21,310	1,26,39,610	
xteh.k i kSj kfxdh Rural Technology	Q V	97,22,580	85,43,705	
i kSj kfxdh fu; kF Export of Technology	C W	1,73,62,387	1,37,45,382	
i kSj kfxdh l ढ/लु दक; डे ds fy, çkFkfed i fj; kst uk Technology Promotion Programme for Priority Project	Hk X	74,04,700	37,54,880	
dy Vh ih ih ds dk; k ds fy, 0; ; Total Expenditure on the Activities of TPP		5,25,10,977	3,86,83,577	
?kVkb, % oru dK 'kSk Vh ih ih ds dk; k ds fy, , u vkj Mh l h ds vk; 0; ; yçkk dks gLrkfjr Less : Balance of salary in r/o TPP activities		85,96,962	—	
Transfer to NRDC Income & Expenditure A/c dy Vh ih ih ds dk; k ds fy, [kpz Net Expenditure on the activities of TPP		4,39,14,015		3,86,83,577
o%kz ea v0; f; r 'kSk vupku dks vud ph ^* ea 'kkfey fd; k x; k gS Unspent Balance during the year included in Schedule 'J'		—		13,67,605
		<u>4,39,14,015</u>		<u>4,00,51,182</u>

fooj.k Particulars	#i, Rs.	31-3-2009 #i, Rs.	#i, Rs.	31-3-2008 #i, Rs.
<b>i- iS] kfxdh vlrj.k 0;; ds fy, l puk foKku</b>				
<b>U. INFORMATICS FOR TECHNOLOGY TRANSFER EXPENDITURE</b>				
oruj HkUk] etnjh vk] ;k=k 0;; Salary, Allowances, Wages and Travel Expenses	76,33,980		66,95,930	
ipkj] epz.k] idk'ku] ysqku l kexh] Mkd 0;;] vU; 0;; Publicity, Printing, Publication, Stationery, Postage, Other Expenses	15,09,776		11,24,851	
if'k{k.k dk; Øe] in'kZuh] dk; Zkkyl] l Hkk] l xkSBh o fopkj xkSBh çk; kstdrk] l feeyu Training Programme, Exhibition, Workshop, Seminar & Symposium, Sponsorship Get together	47,91,523		33,46,796	
iqrd] vk] if=dk, i] mys[ku] l MDOs j] vkfn Books and Periodicals, Documentation, Software, etc.	18,31,019		3,99,848	
ifj; kstuk fjikv] vk] cktkj lo{k.k r] kj djuk Preparation of Project Report, Market Survey	13,18,909		3,88,054	
vU; 0;; Other Expenses	9,36,103		6,81,487	
iVW [kkst@lgk; rk vk] vU; dk; Øe Patent Search/Assistance and Other Activities	—		2,644	
		<u>1,80,21,310</u>		<u>1,26,39,610</u>

**Q- xteh.k iS] kfxdh 0;;**

**V. RURAL TECHNOLOGY EXPENDITURE**

oruj HkUk] etnjh rFkk ;k=k 0;; Salary, Allowances, Wages and Travel Expenses	37,12,012		29,51,810	
in'kZuh] foKkiu] ipkj] idk'ku] epz.k] Mkd iHkkj] n'; & J0; vk] vU; i kRl kgu dk; Zdyki Exhibition, Advertisement, Publicity, Publications Printing, Postage, Audio-visuals and Other Promotional Activities	22,44,853		11,48,658	
vU; 0;; Other Expenses	5,95,754		2,73,662	
nk]k o ;k=k 0;; Tour & Travelling Expenses	1,50,704		3,50,129	
xteh.k iS] kfxdh in'kZuh] if'k{k.k d]Wnz Rural Technology Demonstration-cum-Training Centres	13,96,635		10,12,662	
xteh.k l eug Rural Cluster	16,22,622		28,06,784	
		<u>97,22,580</u>		<u>85,43,705</u>

Particulars	#i, Rs.	31-3-2009 #i, Rs.	#i, Rs.	31-3-2008 #i, Rs.
<b>c- i\$] k\$xdh 0; ; dk fu; k\$</b>				
<b>W. EXPORT OF TECHNOLOGY EXPENDITURE</b>				
oru] HkUk vk\$ etnjh Salary, Allowances and Wages	72,50,970		60,55,168	
fuosk&i mZ v/; ; u vk\$ 0; ogk; rk fjikWZ r\$ kj djuk rFk fu; k\$ vkWdj] cfl d bth fMtkbu i\$st Pre-investment Studies and Preparation of Feasibility Report, Export Offer, Basic Eng. Design Package	20,23,601		21,66,082	
v/; ; u nk\$ k o ; k=k vk\$ çn'kZu ea HkxhnhkjH \$fon\$ k=k l fgr½ Study Tour & Travel and Participation in Exhibition (including travel abroad)	26,40,775		21,71,373	
foojf.kdk] rdudh fVlif.k; k\$ i\$dk'ku] ipkj] Mkd dh r\$ kjh rFk vU; 0; ; Preparation of Brochures, Technical Notes, Publication, Publicity, Postage and Other Expenses	16,61,260		14,92,332	
ns kh; ; k=k 0; ; Domestic Travel Expenses	4,04,005		3,59,538	
LFkkuh; l Rdkj Local Hospitality	3,46,034		2,83,290	
fon\$ kh i\$W@ [kkst Foreign Patent/Search	12,32,502		1,78,553	
vU; 0; ; Other Expenses	9,18,235		6,81,487	
vU; xfrfof/k; k\$ ds ,e , l l puk l gk; rk Other Activities, KMS, Information Assistance	8,85,005		3,57,559	
		<u>1,73,62,387</u>		<u>1,37,45,382</u>

**Hk- vU; i\$] k\$xdh l m/W dk; Øe ds fy, çkFked ifj; k\$tuk**

**X. OTHER TECHNOLOGY PROMOTION PROGRAMME FOR PRIORITY PROJECT**

fodkl eku ifj; k\$tuk, a Development Projects	29,44,374		11,24,000	
ukFkZ bLV dk; Øe North East Programme	14,48,005		18,87,241	
oe\$ l buVjl; ; j fMoyieW çkxte WEDP	30,12,321		7,43,639	
		<u>74,04,700</u>		<u>37,54,880</u>

Particulars	#i, Rs.	31-3-2009 #i, Rs.	#i, Rs.	31-3-2008 #i, Rs.
<b>1d- vl; vk;</b>				
<b>1-A. OTHER INCOME</b>				
plnk				
Subscription	3,56,420		3,62,063	
foKki u				
Advertisement	18,000		1,24,462	
		3,74,420		4,86,525
<b>1[k-deplfj; ka dk oru vlg l fo/kt, a</b>				
<b>1-B. EMPLOYEES SALARY AND BENEFITS</b>				
oru] etnjh vlg cku				
Salary, Wages and Bonus	1,43,21,633		1,27,48,241	
yho Vby dā šku				
Leave Travel Concession	11,812		87,338	
NqVV; ka dk udhdj.k				
Leave Encashment	12,87,206		14,31,819	
,y-vkbZl h- minku ;kstuk ea ;ksnku				
Contribution to LIC Gratuity Scheme	11,911		73,844	
l kefigd cpr chek ;kstuk ea ;ksnku				
Contribution to Group Saving Link Insurance Scheme	37,627		45,150	
Hkfo"; fuf/k ea ;ksnku				
Contribution to Provident Fund	8,66,988		10,42,452	
deplkjh dY; k.k ;kstuk ij vU; 0;				
Other Expenses on Staff Welfare Scheme	81,544		76,017	
fpdRI k 0; ; ka dh ifri firZ				
Reimbursement of Medical Expenses	3,84,476		5,85,476	
		1,70,03,197		1,60,90,337
<b>1lx- yqkk ijh(ktka dk ikfjJfed</b>				
<b>1-C. AUDITORS' REMUNERATION</b>				
yqkk ijh(ktk 'kq d — pkyw o"kl				
Audit Fees — Current Year	27,575		28,090	
— Xr o"kl				
— Previous Year	—		16,854	
l h ih ,Q VLV yqkk dh yqkk ijh(ktk				
Audit of CPF Trust Account	827		843	
		28,402		45,787

Particulars	#i, Rs.	31-3-2009 #i, Rs.	#i, Rs.	31-3-2008 #i, Rs.
<b>1-D. OTHER EXPENSES</b>				
Reparations and Maintenance				
Building	1,02,929		1,20,361	
Furniture and Equipment	38,760		23,960	
Vehicles	50,141		1,00,812	
Others	9,650		6,481	
Electricity & Power Charges	2,37,970		2,27,748	
Printing & Stationery	2,55,058		2,37,836	
Postage, Telephones, Telegrams	4,06,949		3,67,272	
Travelling and Conveyance	3,71,128		3,45,667	
Publicity and Advertisements	71,000		5,78,533	
Miscellaneous and Other Activities	1,35,572		7,42,892	
Amount Written off	—		2,47,101	
		<u>16,79,157</u>	<u>29,98,663</u>	

fooj.k Particulars	ek=k Quantity	eY; Value	
		o"l 2009 ds fy, For the year ended 2009 #i, Rs.	o"l 2008 ds fy, For the year ended 2008 #i, Rs.

**e- vuq ph VI ds Hkx II ds vuq kj vi fkr vrfjDr tkudkj**

**Y. ADDITIONAL INFORMATION REQUIRED AS PER PART II OF SCHEDULE VI**

0; ki kfjd xfrfof/k; ka 1. Trading Activities	—	72,61,887	12,55,155
inuK l okvka ls ikr l dy vk; 2. Gross Income received from services tendered or supplied	—	9,74,12,145	7,17,07,333
o"l ds nlsku fonskh epk l s vk; rFk 0; ; 3. Foreign Exchange Earning and Expenditure during the year			

fooj.k Particulars	2009			2008		
	, u-vkj-Mh-l h- N.R.D.C. #i, Rs.	Vh-i-h-i-h- T.P.P #i, Rs.	vkbi-h-i-h- I.P.P. #i, Rs.	, u-vkj-Mh-l h- N.R.D.C. #i, Rs.	Vh-i-h-i-h- T.P.P #i, Rs.	vkbi-h-i-h- I.P.P. #i, Rs.

**vk;**

**EARNING**

e'khujh l lykbl ds fy, ffoKki uK For Supply of Machinery (Adv.)	—	—	—	30,01,755	—	—
ijke'kz 'kYd@l oKk.k Consultancy Fee/Survey	22,81,728	—	—	3,13,338	—	—
l feukj ea Hkxhnhkj 'kYd Participation Fees in Seminar	—	—	42,885	—	—	6,143
ihfe;e vKj l keku glrkrj.k 'kYd Premia and Material Transfer Fees	—	—	—	—	—	—
if=dk ds fy, 'kYd Subscription for Magazine	—	—	—	—	—	1,178
	22,81,728	—	42,885	33,15,093	—	7,321

**0; ;**

**EXPENDITURE**

foKki u 0; ; Advertisement Charges	—	—	—	—	—	—
l nL; rk dsfy, 'kYd] if=dk] v[kkj] l VVos j Subscription for Membership, Periodicals, Journal, Software	—	4,81,701	5,51,592	—	10,24,113	—
iVW l gk; rk@iVW [kkt Patent Assistance/Patent Search	—	—	3,13,620	—	—	4,90,725
l feukj] l xksh vKj 0; ki kj esys o Participation in Seminar Symposium & Trade Fair Exhibition, etc.	—	12,30,440	—	—	16,46,710	—
vkbojh dklV ifj; kstuk o vU; ; k=k Ivory Coast Project & Others Travel	25,40,903	—	—	42,09,651	—	—
	25,40,903	17,12,141*	8,65,212*	42,09,651	26,70,823	4,90,725

\* ; s 0; ; Hkjr ljdkj l s ikr ifj; kstuk yfkk@vupkuka l s fd, x, gA

\* The expenditure incurred has been made out of the Project Account/Grants received from Government of India.

**;- egroi nız yşkk uhrk; ka vğ yşkk fVli f.k; ka**

**v- egroi nız yşkk uhrk; ka**

**1- yşkk vuęku**

; g yşkk fooj.k Tk Rkd vU; Adkj l sLi "V u fd; k Tkk, , sRkgfI d ykxRk i j j k ds vRkxRk eku; Rk ÁkRk vkxe RkFk mRi fUk ds vkekj ij vkçs x, 0; ; ka ds vRkxRk ykxw yşkk ekudka vğ dā uh vfeku; e) 1956 dh l c) ÁLRkRkTKU; vko' ; dRk vka ds vuđ kj R<sup>o</sup> kj fd, x, gA

**2- vixe ekl;**

**(i) Áhfe; e**

Áhfe; e vk; d<sup>o</sup> udn vkekj ij vkçk x; k gA

**(ii) j,; YVh**

d½ j,; YVh vk; d<sup>o</sup> 15 tuj 2009 rd mip; vkekj ij vuđRkRkRk; ka l sÁkRk yşkk i j hf{Rk}xş yşkk i j hf{Rk} j,; YVh fjVu<sup>o</sup> vkçk x; k gA

[k½ , d svuđRkRkRk; ka ds fy, d<sup>o</sup> j,; YVh vk; cđ uđ dh xbz gS Tk<sup>o</sup> j,; YVh fjVu; k Rk<sup>o</sup> bl fy, Ttek uđ djok jgs gA D; kđ d ml gkaus mRi knu vkj k uđ uđ fd; k gS vFkok mRi knu vkj k Rk<sup>o</sup> dj fn; k gS dRkqos d kj i ğ s ku ds i kl j,; YVh fjVu; tek uđ djok jgs gA dN ekeyka ea d kj i ğ s ku us dkuuh dk; bkg h d jus dk fopkj fd; k gS, d sekeyka ea j,; YVh d<sup>o</sup> l pu k@fui Vku ds o" k z ds fy, cđ dj fy; k x; k gA

**(iii) ÁdVu 'kŷd**

ÁdVu 'kŷd udn vkekj ij vkçk x; k gA

**(iv) C; kTk**

foyđRk j,; YVh HkqRkku i j C; kTk udn vkekj ij vkçk Tk jgk gA fodkl \_\_.k ds C; kTk d<sup>o</sup> l HkRk vkekj ij vkçk x; k gA RkFkfi \_\_.k dh fd' Rkka ds HkqRkku ea d<sup>o</sup> z pđ g<sup>o</sup> vğ vFkok ; fn fodkl \_\_.k C; kTk dh ÁkRk gRkq i kVh z ds fo: ) d<sup>o</sup> z dkuuh ekeyk nTk z fd; k TkRk gSRk<sup>o</sup> d kj i ğ s ku l HkRk vkekj ij C; kTk nşk cā dj nRk gA

RkFkfi i j .k eLo: i dkuuh dk; bkg h dsn ğ ku i kVh \_\_.k @C; kTk dk i pu HkqRkku j,; YVh dk HkqRkku vkj k dj nRk gSRkFk ; g fo' okl fnyk; k TkRk gSfd cdk; k dk HkqRkku dj fn; k Tk, xkj Rk d kj i ğ s ku vuđk 0; oLFk ds fu; e<sup>o</sup> ds vuđ kj fi Nyscdk; k C; kTk dk Hk vkydu djRk gA

**(v) if=dkvā ds fy, 'kŷd**

vkfo" d kj l dēkz dk; Dē ea 'kŷd vk; udn vkekj ij vkçk h xbz gA

**Z. SIGNIFICANT ACCOUNTING POLICIES AND NOTES TO THE ACCOUNTS**

**A. SIGNIFICANT ACCOUNTING POLICIES**

**1. Accounting Assumptions**

These accounts have been prepared under the Historical Cost Convention on the basis of going concern, with revenue recognised and the expenses accounted on their accrual, in accordance with the applicable Accounting Standards and relevant presentational requirements of the Companies Act, 1956 unless otherwise stated.

**2. Revenue Recognition**

**(i) Premia**

Premia income has been accounted for on cash basis.

**(ii) Royalty**

a) Royalty income has been accounted for on accrual basis based on audited/unaudited royalty return statements/intimation received from the licensees upto 15th June 2009.

b) No royalty income is booked in respect of those licensees who are not submitting the royalty returns either because they have not gone into production and/or although they have gone into production, they are not filing the royalty returns with the Corporation. In some cases the Corporation has preferred legal suits. In such cases royalty has been booked and accounted for in the year of intimation/final settlement of case.

**(iii) Disclosure Fee**

Disclosure fee has been accounted for on cash basis.

**(iv) Interest**

Interest on delayed payment of royalty is being accounted for on cash basis. Interest on development loan is being accounted for on accrual basis. However, in case of default in payment of loan installments and/or in case a legal case is filed against the party for recovery of development loan/interest, the Corporation stops providing interest on accrual basis.

However as a result of or during the legal proceedings, the party starts making payment of royalty/repayment of loan/interest or provides reasonable assurance that the dues would be cleared, the Corporation takes into account the past interest due as per the terms of the agreement/settlement.

**(v) Subscription for Magazines**

Subscription income in Invention Promotion Programme has been accounted for on cash basis.

### 3- LFKkbZ i fjl á fÜk; ka

LFKkbZ i fjl á fÜk; 9d® ykxRk jfgRk eW; gkl ij vkacl x; k gA foÜkh; o"z2000-2001 dsvkjkk l svuþku9I sÁkIRk dh xbzLFKkbZ i fjl á fÜk; 9d® vuþku9dsI e{k 0; DRk fd; k x; k gSRkFKk 1 : i , ÁRk en dsuke ek= dseW; ij LFKkbZ i fjl á fÜk; 9ds: i eavyx l sfrn [kk; k x; k gA

99 o"ka dh i íkofek ds i' pkrk- i íHkñie ij f' k®ekRk ekuh Tkk, xhA

### 4- eW; gkl

eW; gkl d® dá uh vfeku; e] 1956 dh vuð pñ-14 eaLi "V dh xbzñj9ij l jy ys[kk vkekkj ¼LV¼ ykbu cfi l ½ ij LFKkbZ i fjl á fÜk; 9ds vkekkj ij vkacl x; k gA foÜkh; o"z l sbu ys[kk dh ÁkRk Rkd 5000 : i , ÁRk en eW; dh i fjl á fÜk; 9ij 100 ÁRk' kRk eW; gkl yxk; k x; k gA vuþku l s [kjnhh xbz LFKkbZ i fjl á fÜk; 9ij f?kl koV-eW; Ánku ughafd; k x; k gA

#### verZ i fjl á fÜk; ka

dá uh dh; Wj l kñVos j dk ij f' kka ku pkj o"ka ds vñjky ea dj jgh gA

### 5- ys[kk uhfr; ka ea i mkbfek l ek; 9ku] fo'kšk ena rFkk ifjorZ

ys[kk uhfr; ka ea i mkbfek l ek; kstu] vfr l kekl; enka dk dkj i kjs ku ds foÜkh; ekeyka ij i Músokys egRo i wkZ çHkko dks ys[kk fVlif.k; ka ds eke; e l sLi "V fd; k x; k gA

### 6- eky l pñ

ys[ku l kexh RkFkk LV9 dh fofoek en9I fgRk eky l pñ ykxRk ij vFkok 'k9 ol yñ eW; ij] TK®Hkh de g®eW; kñdRk dh xbz gA

### 7- fofoek \_\_.knkRkk RkFkk l fñXek \_\_.ka ds fy, 0; oLFkk

v½ \_\_.knkRkkv9ds ys[®vuçfIRk ekkj dka l sÁkIRk l þuk@ j,; YVh fjVZka ds vkekkj ij v | Rku fd, TkkR® gA

c½ fofoek \_\_.knkRkkv9RkFkk vPNs l e>s x, fodkl \_\_.k9 fTRkga ÁkIRk djus ds fy, Áca ku }kjk dkuuñ dk; Bkgh dk vFkok vU; Rkj hcl vi uk; k Tkk jgk g9 dh 0; oLFkk ugha dh xbz gA ; | fi bl s dkuu }kjk l e; kofek fd; k Tkk l dRkk gA

### 8- fuos'k

d½ dkj i 9s ku ds fuos'k nh?kZkfyd g®us ds dkj .k ykxRk ij cRkk, x, gA Tk Rkd fd eW; ea d®ZLFkk; h deh u gA

[k½ l fñXek o v'k®; l e>h xbz vuçfIRk ekkj dh dá fu; 9ds fy, 0; ki kj fuos'k ½ofDoVh Hkxhñkj h½ dh 0; oLFkk dj nh xbz gA

### 3. Fixed Assets

Fixed Assets are valued at cost less depreciation. From the financial year 2000-2001 fixed assets acquired out of grants are charged against the grants and shown separately as Fixed Assets at a nominal/notional value of Re. 1/- per item.

Leasehold land is amortized over the period of lease of 99 years.

### 4. Depreciation

Depreciation has been charged on fixed assets on straight line basis from the month of addition & to the month of sale at the rates specified in Schedule XIV of the Companies Act, 1956. 100% depreciation has been charged on assets valued up to Rs. 5,000/- per item. No depreciation is provided on fixed assets purchased out of and charged to grants.

#### Intangible Assests

The company is amortizing computer software proportionately in four years.

### 5. Prior Period Adjustments Extraordinary Items and Changes in Accounting Policies

Prior period adjustments, extraordinary items and changes in accounting policies having material impact on financial affairs of the Corporation are disclosed by way of Notes to the Accounts.

### 6. Inventory

Inventory, consisting of Stationery/Miscellaneous Stores items have been valued at cost or net realizable value whichever is lower.

### 7. Sundry Debtors and Provision for Doubtful Debts

- a) The debtors accounts are updated on the basis of Royalty returns/information received from the licensees.
- b) Sundry Debtors and Development Loans, which are considered good and are being pursued for recovery by legal action or otherwise by the management are not provided for, even though the same may be time barred as per law.

### 8. Investments

- a) Investments of the Corporation being long term are stated at cost unless there is permanent diminution in value.
- b) Trade Investments (Equity Participation) in Licensee Companies, which are considered bad & doubtful have been provided for.

x½ vupnkuaaal sfd, x, fuosk d®mDRk vupnkuaads l efk j [kk x; k gS RkFkk fuoskka dh vuq ph ds vBkxRk 1 #i, ds l S) kFURkd eW; ij fuosk ds: i eavyx l s n' kkz k x; k gA

**9- fonskh epk fofue;**

FTkl Rkjh[k d®dkj®kj l aakh d®bzysu-nu fd; k x; k g® ml fnu ÁpfyRk fofue; nj®ij gh fonskh epk d®vkacl TkkRk gA RkFkfi; fn bl Ádkj dsysu-nu cbl [kkRk®ds}kj k fonskh epk ea fd, Tkk®gSRk®mlgadkYi fud nj®i®kuy jv±½ ij fjdKMLfd; k TkkRk gA o"lzdsvBk eafonskh epk [kkRk®eacph jkf' k d®ml l e; ÁpfyRk fofue; nj®eacny fn; k TkkRk gA pkywi fjl i fUk; ®v® nlf; Ro®d®o"lzdsvBk eafon | eku fofue; nj ij i ®%0; DRk fd; k x; k gsv® o"lzdsvBk RkFk okLRkfod®dkYi fud nj dschp dsvBk d®o"lzdsy®®eavk; RkFk 0; ; ds: i eafn [kk; k x; k gA

**10- l uoV**

dkj i ®s ku l uoV ØBMV fu; e 2004 ds vBkxRk Áns l ok dj dsytkk ÁkRk dj jgh gSRkFk ml dh 0; oLFk ÁnÜk l ok dj dsdkj .k dh xbZgA mDRk fu; e®dsvekhu dy ÁkRk g®usokyh l dy ytkk jkf' k d®fofoek vk; ds vBkxRk n'kkz k x; k gA

**11- deþtfj; ka d® l okfuofÜk ytkk**

l ok fuofÜk ytkkka dh 0; oLFk [kkRkka ea mi fprk vkekkj ij fuEukuq kj dh xbZg%

**(i) xP; ®h**

da uh us vi uh xP; ®h ; ®Tkuk d® ykxw djus ds fy, HkkjRkh; Tkhou chek fuxe l s , d l e>®kk fd; k gA chekfdRk eW; kadu vkekkj ij ÁnÜk Áhfe; e d®vk; -0; ; [kkR®eaj [kk x; k gA iklr fd, x, vfrfjDr nkoka dks inÜk i hfe; e ds vrxZ j [kk x; k gA

**(ii) Nqf; ka dk udndj .k**

l ok fuofÜk ij Nqf; ; ®dk udndj .k chekfd eW; kadu ds vkekkj ij fuekkZjRk o Ánku fd; k TkkRk gA

**(iii) Hkfo"; fufek**

Hkfo"; fufek eaváknku dk y®kk muds i knHkou much fu; Rk frkFk ds vuq kj y®kk j [kk Tkk jgk gA

**12- 0; ; dk vtcüu RkFk folHkTku**

ekuo' kfdRk l fgrk fo' k"V vupnkuaads l kfk vfHkKs 0; ; okf'kd ; ®Tkuk ds vuq kj vup®nRk vupnkua l sol nysTkk, xA vU; l kekl; 0; ; Tk®fd l h Hkh vupku eaughavR®gámlgadkj i ®s ku ds foHkku vupku®dschp vyx l sfn [kk; k x; k gA

c) The investment made out of the grants are charged against the said grants and shown separately as 'Investment' at a notional value of Re. 1 under Schedule of Investments.

**9. Foreign Currency Transactions**

Transactions in foreign currency are accounted for at the exchange rates prevailing at the time of transaction. However, in case of transactions taking place through bank accounts maintained in foreign currency, the same are recorded at notional rates. Balances in such foreign currency accounts at the year end are converted at the prevailing exchange rates. Current assets and liabilities at the year end are restated at the prevailing exchange rates and the difference between the year end and the actual/notional rates is recognised as income or expense in the Accounts.

**10. CENVAT**

The Corporation is taking benefit of service tax paid under CENVAT Credit Rules 2004 and off setting the same against Service-tax payable. The amount of net benefit availed under the said rules is shown under Miscellaneous Income.

**11. Retirement Benefits for Employees**

Retirement benefits are provided for in the accounts on accrual basis in following manner:

**(i) Gratuity**

The Corporation has entered into an agreement with the Life Insurance Corporation of India to administer its Gratuity Scheme. The premium paid on the basis of actuarial valuation is charged to Income & Expenditure Account. Excess claims received if any, are netted through premium paid.

**(ii) Encashment of Leave**

Provision for Leave Encashment on retirement is determined, accrued and provided for on the basis of actuarial valuation.

**(iii) Provident Fund**

Contributions towards Provident Fund is accounted for on accrual basis.

**12. Allocation and Apportionment of Expenses**

Expenses identifiable with specific grants including manpower have been charged to those grants as per approved Annual Plan. Other common expenses not identifiable with any grant have been apportioned equally among the various grants and the Corporation.

### 13- I gk; Rkk&vupku

- i) fo'ek i fjl á fúk; ka l sl æfekrk l jdkjh vupkuka d®muds i qRkd eW; ij l æfekrk i fjl á fúk; ka dsl dy eW; eal s dVQkh ds: i ean'kkz k x; k gSVg l æ) i fjl á fúk; ka d®Rkyu-i = ea uke-ek = dseW; ij fn [kk; k x; k gA
- ii) vk; l sl æfekrk vkbz i h i h rFkk Vh i h i h fØ; kdyki ka dsfy, Hkkjr l jdkj l sÁkirk okf'kz l gk; Rkk vupkuka d®vk; , oa0; ; eal Ø; ofLFkrk vkekkj ij vvx l s ^vk; \* ds vRkxRk fn [kk; k x; k gA l gk; Rkk vupku ds v0; f; Rk 'ek d® kh'kz orkzku nkf; Ro vG Ákoekku ds vRkxRk j [kk x; k gSRkkfd bl 'ek d® bu o"k ds 0; ; eal ek; FTkrk fd; k Tkk l dA Ákirk vupku jkf'k RkFkk vk; dh vi \$kk 0; ; dh vfekdRkkj RkRl æfekrk ; fn d®bz gq d® i wðRkhz o"k ds l e{k \_\_.k vG vfxæ jkf'k; ka 'kh'kz ds vRkxRk HkkjRk l jdkj l sÁkirk jkf'k ds : i ean'kkz k x; k gA

### 14- fodkl 'khy i fj; Ttuk, a

fodkl 'khy i fj; Ttukv ij 0; ; dsl æak eadkj i g'sku dk fgLI k l g; Fx; al sÁkirk nko ds vkekkj ij vkaok x; k gA

### 15- mekkj ykxrk

LFkkbz i fjl á fúk; ka ds fuezk k@vTkZ l s l æfekrk mekkj ykxrk d®l æfekrk i fjl á fúk; ka dh ykxrk ds vak : i ean'kkz k x; k gA vU; mekkj ykxRka d®l æfekrk o"k ea0; ; ka ds: i ean'kkz k x; k gA

### 16- vk; ij dj

vk; dj ys'kk ekudka ¼, l & 22½ ds vuq kj vkads TkkR® gA vk; ij dj HkkjRk dh l unh ys'kki ky l LFkk }kjk Tkkjh fd, TkkR® gA dj 0; ; vkxRk RkFkk vU; 0; ; ka dh vofek eavkads TkkR® gA

pkymdj] cRkk, x, vk; dj dh og jkf'k gSTk®ml o"kd dh dj ; x; vk; ds: i ea HkqRkku djuh g'kh gA

dj ; x; vk; RkFkk ys'kk NRk vk; dschp l e; vURkky dk foodi wZ fopkj -foe'kz ds i 'pRk-gh vLkFfxRk dj ka dh 0; oLFkk dh TkkRkh gSRkFkk mlGaekU; l e>k TkkRk gA

xj vo'k'rk eW; gk l RkFkk vkxs fn [kzbz xbz gkfu; ka ij vLkFfxRk dj i fjl á fúk; ka d®Rk Rkd ekU; ughal e>k Tkk, xk Tkk Rkd fd bu i fjl á fúk; ka d®Ákirk djus ds fy, Hkkoh dj ; x; vk; dh mi yCekRk ds fo"k; ea i wZ fuf'pURkRk u gA

### 17- vtdfLed nkf; Ro

Ákoekku ys'kk ekud ¼, l -29½ ds vuq kj g® g&vkdfLed i fjl á fúk; ka RkFkk vkdfLed nkf; Ro Ákoekku vkb l h , vkb }kjk Rk Tkkjh fd, TkkR® gA Tkc HkRki wZ ?kVukvka ds i fj .kkelo: i orkzku fofekd vFkok l kaofekd

### 13. Grants-in-Aid

- i) Government grants relating to specific assets have been shown as a deduction from the gross value of the assets concerned, in arriving at their book value and the related assets have been shown in the balance sheet at a nominal value.
- ii) Yearly grants-in-aid from the Government of India for the activities of IPP and TPP relating to revenue have been recognized in Income & Expenditure in a systematic basis and have been shown separately under the head Unspent Balances of Grants-in-aid are carried forward to subsequent years under the head 'Current Liabilities and Provisions' for adjustment against expenses. Excess of expenditure over the amount of grants received after adjusting income, if any, related thereto, has been carried forward to subsequent years under the head 'Loans and Advances' as amount receivable from Government of India.

### 14. Developmental Projects

The Corporation's share in respect of expenditure on Developmental Projects, if any, is accounted for on the basis of claims received from the Collaborators.

### 15. Borrowing Cost

Borrowing cost that is attributable to the acquisition/ construction of fixed assets are capitalised as part of the cost of the respective assets. Other borrowing costs are recognized as expenses in the year in which they arise.

### 16. Taxes on Income

Income-tax is computed in accordance with Accounting Standard (AS-22)—'Accounting for taxes on income' issued by the Institute of Chartered Accountants of India. Tax expenses are accounted for in the same period to which the revenue and expenses relate.

Current tax is the amount of income tax determined to be payable in respect of the taxable income for the year.

The deferred tax is provided and recognized on timing differences between taxable income and accounting income subject to prudential consideration.

Deferred tax assets on unabsorbed depreciation and carry forward of losses is not recognized unless there is virtual certainty about availability of future taxable income to realise such assets.

### 17. Contingent Liability

Provisions are recognized in terms of Accounting Standard (AS-29)—'Provisions, Contingent Liabilities and Contingent Assets', issued by the ICAI, when there is a present legal or statutory obligation as a result of past events, where it is probable that there will be

nkf; Ro gkavFkok nkf; Ro dk fui Vku djusdsfy, I d kekukadk cfbgk dh I Hkkouk g<sup>o</sup>v<sup>g</sup> Tk nkf; Ro jkf'k dk fo'ol uh; vu<sup>o</sup>ku yxk; k Tkk I dRkk g<sup>o</sup>A

vkdfLed nkf; Ro d<sup>o</sup>y RkHk ekJ; g<sup>o</sup>g<sup>o</sup>Tkcf d , d ; k vu<sup>o</sup>d vfuf' pRk ?kVukvka dh mi fLFkRk ; k vu<sup>o</sup>ij fLFkRk ds djk . k fi Nyh ?kVukvka I sd<sup>o</sup>bZ I HkkfORk nkf; Ro mnHkRk g<sup>o</sup>jgk g<sup>o</sup>Tk<sup>o</sup>fd i wRk; k d<sup>o</sup> uh dsfu; = .k eaughagka; k Tkga i j I d kekukadkHkfo"; ea ckgok<sup>o</sup> ds: i eafdl h oRk<sup>o</sup>ku nkf; Ro dk eW; ka<sup>o</sup>du ughag<sup>o</sup> I dRkk ; k nkf; Ro dk fo'ol uh; vkdyu ughafd; k Tkk I dRkA nkf; Roka dk eW; ka<sup>o</sup>du ?kVuk ds vkekkj ij mudk fd; k TkkRk gS fTKlga I d kekukadk cgrk I HkkfORk ckgok<sup>o</sup> mi yCek dj; k x; k g<sup>o</sup> vkdfLed nkf; Ro foUkh; foj .kka ea ekJ; ughag<sup>o</sup>g<sup>o</sup>A

**c- y[tk fVl i f.k; ka**

**1- vkdfLed nkf; Roka dh 0; oLFkk uge dh xbz g%**

1/2 dki j<sup>o</sup>skus dsfo: ) nTzfd, x, dkuuh ekeysTk<sup>o</sup>nkosRk<sup>o</sup>g<sup>o</sup> GdRkq .kka dh Jskh ea uge vR<sup>o</sup> uhpSCRk, x, g%

	ekeyka dh I d ; k		jkf'k 1/4 i , 1/2	
	pkym	xr	pkym	xr
	o"z	o"z	o"z	o"z
{kRk; ka dsfy,	17	16	16]22]56]418	16]22]56]418

2- dN ekey<sup>o</sup> ea dki j<sup>o</sup>skus d<sup>o</sup> mu d<sup>o</sup> fu; <sup>o</sup> ds y[tk i jhf{kRk@xj y[tk i jhf{kRk foUkh; foj .k AkIRk ughag<sup>o</sup> Tkgtabl usvu<sup>o</sup>fIRkekkfj; <sup>o</sup> dh bfDoVh ' ; j i <sup>o</sup>kh eaHkx fy; k g<sup>o</sup> d<sup>o</sup> uh ds ikl mi yCek vu<sup>o</sup>fIRkekkfj; <sup>o</sup> dk ok<sup>o</sup>kd y[tk Rkfk foUkh; fLFkRk Tk Rkd AkIRk ughag<sup>o</sup>TkkRk Rk Rkd fuoy eW; @okLRkfod eW; i Rk ugha yxk; k Tkk I dRkk v<sup>o</sup> Rknud kj bl sykxRk ij fn[kk; k x; k g<sup>o</sup> RkFkfi Tkga i j Hk Acaku bl I svk'oLRk gSfd ogkaLFk; h gkl g<sup>o</sup> vko'; d eW; gkl @gkl dk Acak fd; k x; k g<sup>o</sup> bl sfuEu Adkj I sfn[kk; k x; k gS%

1/2 dki j<sup>o</sup>skus us es V<sup>o</sup>h QLVZ I p<sup>o</sup>jh cV<sup>o</sup>jh fy- ea 60 yk[k #i , dh jkf'k dk bfDoVh fuosk fd; k Fkka d<sup>o</sup> uh us vejhd<sup>o</sup> dh d<sup>o</sup> uh es Vfyd<sup>o</sup>Mz k ds I kFk A<sup>o</sup> f<sup>o</sup>x dh vURkj .k djkj ij gLRk{kj fd, A mDRk A<sup>o</sup> f<sup>o</sup>x dh d<sup>o</sup>43 fo'o LRk ds i s/v/ AkIRk g<sup>o</sup> i fj; <sup>o</sup> tkuk dh d<sup>o</sup>y ykxRk 3115 yk[k #i , g<sup>o</sup> oRk<sup>o</sup>ku I e; ea; g bdkbz cn gSfdURk dki j<sup>o</sup>skus foHkU dki j<sup>o</sup> v<sup>o</sup> m | fe; ka I s bl i fj; <sup>o</sup> tkuk d<sup>o</sup> yus ds fy, fopkj-foe'kz dj jgh g<sup>o</sup> d<sup>o</sup> uh dk oRk<sup>o</sup>ku Rkyu i = mi yCek ughagSbl fy, bl dh okLRkfod dheRk i Rk ughapy i k jgh g<sup>o</sup> dki j<sup>o</sup>skus Acaku us bl d<sup>o</sup> uh dh okLRkfod dheRk dk i Rk yxkusdsfy, dk; Zcy dk xBu fd; k g<sup>o</sup> v<sup>o</sup> ; fn vko'; d g<sup>o</sup> k Rk<sup>o</sup> bl dk; Zdsfy, fuosk

outflow of resources to settle the obligation and when a reliable estimate of the amount of the obligation can be made.

Contingent Liabilities are recognized only when there is a possible obligation arising from past events due to occurrence or non-occurrence of one or more uncertain future events not wholly within the control of the company or where any present obligation cannot be measured in terms of future outflow of resources or where a reliable estimate of the obligation cannot be made. Obligations are assessed on an on going basis and only those having a largely probable outflow of resources are provided for. Contingent Assets are not recognized in the Financial Statements.

**B. NOTES TO THE ACCOUNTS**

**1. Contingent liabilities not provided for:**

Claims representing legal cases filed against the Corporation, not acknowledged as debts:

	No. of cases		Amount (Rs.)	
	Current	Previous	Current	Previous
	Year	Year	Year	Year
For damages	17	16	16,22,56,418	16,22,56,418

2. The Corporation in some cases has not received audited/unaudited financial statements from the companies where it has participated in the equity share capital of the licensees. In the absence of annual accounts of the licensees, it is not possible to ascertain the ultimate realisable value of such unquoted investments and accordingly the same are stated at cost. However, where management is confident that there is permanent diminution, the necessary depreciation/diminution has been provided. It is further stated as under:

- (a) The Corporation had invested by way of equity participation to the tune of Rs. 60 lakhs in M/s. Twenty First Century Battery Limited. The company had signed a technology transfer agreement with M/s. Telecordia of USA. The said technology is covered by 43 world wide Patents. The total cost of the project is Rs. 3115 lakhs. The unit is presently closed but the Corporation is in discussion with various corporate and entrepreneurs for take over of the project. The latest Audited Balance Sheet of the company is not available to ascertain the net worth for the company. However, the Management has created task force to ascertain net worth of the organization and if necessary other

RkFkk \_\_.k n&usokyh , 3k&l ; ka dh Hkh enn yh Tkk, xhA ulfrxr fuosk gks&sd&sr&is&zk&u }kjk ml dk vkdyu ykxr dsvk/kkj ij fd; k tk jgk g&

lending and investing agencies shall also be roped in to ascertain the net worth/realisable value of the investment. Further being a strategic investment the Management is valuing the same at cost.

### 3- vl; ij; T&kuk x&Rk&f&ek; ka ukYd® ij; T&kuk

ukYd® ij; T&kuk ds v&Hkj {kd g&us ds ukR® dk ji g&sk&u d® &Ak&Rk Q&M c&dl e&l k&f&ek [k&R® ds: i ij; k&st&uk pkyw [k&R&sea T&ek fd; k x; k g& bl y&sk& e&e&e; k&t l fgr 1/2 dy 771-35 yk [k #i, dh c&dk; k j&kf'k o"z 2008&09 ds nk&sk&u d&e&h; l j&dkj ds l Hkh rh&kafoHk&x&ka d&ks&md&sv&ak&n&ku d&svk/kkj ij yk&sk& nh x&bz&g&

### 3. Other Project Activities

#### NALCO Project

As custodian of NALCO Project, funds received by the Corporation had been kept in Bank as Fixed Deposit and in Project Current Account. The total amount outstanding on account of this (including interest earned), amounting to Rs. 771.35 lakhs has been refunded to all three Central Government Departments during the financial year 2008-09 in proportionate to their net contributions.

### 4- dj&ek&ku dh 0; oLF&k

d&ah }kjk &Ak&Rk d&ku&uh l y&kg RkF&k d&ah ds fy, fd, x, fi Nys vk; dj e&W; k&ndu ds v&ek&kj ij dj&ek&ku dh 0; oLF&k vk; dj v&f&ek&u; e 1961 ds v&lk&x&Rk fo&H&ku H&ku&ka&RkF&k c&ls [k&R® e&a Mkyh x&bz&j&kf'k; k& dV&R&k; k&RkF&k N&W d®e; ku e&aj [k&R® g&g dh x&bz g& x&Rk o"z ds fy, dj&ek&ku g&R&k&q&de@v&f&ek&d 0; oLF&k j [k&h@g&V&k nh x&bz&g&

### 4. Provision for Taxation

Based on the past income tax assessments framed on the company as well as the legal opinion obtained by the company, provision for taxation has been made after considering various allowances including write off, deductions and exemptions under the Provisions of Income Tax Act, 1961. Short/excess provision for taxation for earlier years has been provided/withdrawn.

### 5- v&LF&k&fxr dj nk&f; Ro

y&sk& ek&ud 1/4 , l 22 1/2 \*\*vk; ij dj&e& ds fy, y&sk&ku&h&Rk ds v&ud& kj 2]69]068 #i, dh v&LF&k&fxr& dj nk&f; Uo&dh 0; oLF&k vk; , o&-0; ; [k&R® e&ah x&bb g& x&Rk o"z i f&jl & f&uk; ka dh j&kf'k 1]05]739 #i, F&h&A

### 5. Deferred Tax Liability

Deferred Tax Asset amounting to Rs. 2,69,068 as per the Accounting Standard (AS 22) "Accounting for Taxes on Income" has been accounted for in the Income & Expenditure Account. As against Asset of Rs. 1,05,739 in last year.

l e; -v&lk&jy ds d&kj.k m&Ri Uu v&LF&k&fxr& dj i f&jl & f&uk; & v&g nk&f; Ro&dk& fo&g.k bl &dk&j g&S%

The details of the Deferred tax assets and liabilities arising on account of timing differences are:

	1/4 #i , 1/2		
fooj.k	31 ekp] 2008 rd	o"z 2008&09 ds fy,	31 ekp] 2009 rd
<b>v&amp;LF&amp;k&amp;fxr dj nk&amp;f; Ro</b>			
e&W; g&l ds d&kj .k m&Ri Uu v&LF&k&fxr dj nk&f; Ro	16]20]945	-22]543	15]98]402
<b>v&amp;LF&amp;k&amp;fxr dj i f&amp;jl &amp; f&amp;uk; ka</b>			
N&V&V; ka ds ud&hd&j.k l s m&Ri Uu v&LF&k&fxr dj i f&jl & f&uk; ka	17]26]684	2]46]525	19]73]209
v&LF&k&fxr& dj nk&f; Ro i f&jl & f&uk; k&f&ucy	1]05]739	2]69]068	3]74]807

	(Figures in rupees)		
Particulars	Upto 31st March, 2008	For the year 2008-09	Upto 31st March, 2009
<b>Deferred Tax Liability</b>			
Deferred Tax Liability arising on account of Depreciation	16,20,945	-22,543	15,98,402
<b>Deferred Tax Assets</b>			
Deferred Tax Assets arising on account of Provision for Leave Encashment	17,26,684	2,46,525	19,73,209
Deferred Tax Liability (Assets)-Net	1,05,739	2,69,068	3,74,807

**6- LFKkbZ i fjl á fÜk; ka**

foÜkh; o"lz 1999-2000 Rkd vupku@l sÁkIRk LFKkbZ i fjl á fÜk; @ d® vupku@ds l e{k fn[kk; k x; k gSvyx l s LFKkbZ i fjl á fÜk; @ ds: i eaughafn[kk; k x; kA foÜkh; o"lz 2000-2001 l s 2005-06 Rkd vupkuka ea l s d®bZ LFKkbZ i fjl á fÜk vFTkRk ughadh xbZ gA foÜkh; o"lz 2006-07 l s vupkuka ea l s [kjhns x, l kVVoS j d® dá uh yq[kk uhrk ds vud kj LFKkbZ i fjl á fÜk; ka dh vud ph ea dKYi fud eW; ij n'kz k x; k gA

bl ds vFRkj DRk o"lz dsn@ku LFKk; h l á fÜk; ka d® 30 o 31 ekpz 2009 d® Ácaku }kjk fu; DRk 3 l nL; ka dh l feFRk us l R; kfi Rk fd; k RkFRk l Hkh l á fÜk; ka d® 0; of LFRk o dkji @s ku ds Á; @x ea l fØ; i k; k x; kA

**7- fuosk**

foÜkh; o"lz 2008-09 dsn@ku dkji @s ku us, fity QaMak ds vxr l ykgkdj l feFRk dh l l rfr ij Mh, l vkb vkj l sÁkIRk vupku ea l s 490 #i, ds çfhe; e ij 10 #i, çfr 'ks j ds fgl kc l s 6000 l kE; 'ks j dk Ø; djds; fuQkj l kVVoS j fl LVe ¼ck-½fy- ds l kFk 30 yk[k #i, dh l kE; Hkfxnkjrk ea fuosk fd; k gA dkj i kjs ku dh uhr ds vxr Mh, l vkb vkj dh vkj l sfd, x, çR; d fuosk dh jkf'k dks fuosk vud ph ea, d #i, ds dKYi fud eW; ij n'kz k x; k gA

**8- \_\_knrkr v@ fodkl \_\_kka ds fy,**

- (i) j,; YVh ds fy, Rkhu o"kká l s v fkd l e; l s 71-92 yk[k : i, 187-92 yk[k : i, ½ dk fofoek \_\_.k cdk; k gSbl ea 49-36 yk[k : i, 161-36 yk[k : i, ½ vud @kku, oafodkl l l Fkkuka dk fgl l k 'kkfey gSv@ bl sÁkIRk djus ds fy, bu fofoek nsnkjka ds f[kykQ dkuuh dkj bkbZ vFkok@v@ vl; mi k; vi uk, Tk jgs gA pñd Ácaku }kjk bl gaÁkIRk djuk vHkh ckdh gSvRk%dy nsnkjka ij izaku us 5-72 yk[k : i, dh, d vfrfj Dr rnfkZ 0; oLFk dh gA
- (ii) \_\_.k@v@ vfxe@ea 20-40 yk[k #i, 124-96 yk[k #i, ½ dk fodkl \_\_.k RkFRk C; kTk 'kkfey gStk@Rkhu o"kká l s v fkd l e; l s cdk; k gSv@ bl sÁkIRk djus ds fy, dkuuh dk; bkg vFkok vl; mi k; vi uk, Tk jgs gA pñd Ácaku }kjk bl gaÁkIRk djuk ckdh gSbl fy, budh 0; oLFk ugha dh xbZ gA
- (iii) l fnXek l e>s Tk kus okys \_\_.k

	j kf'k ¼ i, ½	
	pkywo"lz	xRk o"lz
__knrkr	1]10]123	1]10]123

**6. Fixed Assets**

Upto the financial year 1999-2000 the fixed assets acquired out of grants were charged against the grants and not shown separately as fixed assets. Between the financial years 2000-2001 to 2005-06, no fixed asset had been acquired out of grants. From the financial year 2006-07, onwards however, Fixed Assets/ software purchased out of grants have been disclosed at Notional Value in the Schedule of Fixed Assets in accordance with the Accounting Policy of the company.

Further during the year the fixed assets have been got physically verified on 30<sup>th</sup> and 31<sup>st</sup> March 2009 by a Committee of three persons, appointed by the Management and all the assets were found in order and also in active use of the Corporation.

**7. Investment**

During the financial year 2008-09, the Corporation has made investments in the year of equity participation by subscribing 6,000 shares of Rs. 10 each at a premium of Rs. 490 under Angel Funding Scheme to the tune of Rs. 30 lakhs in M/s. Uniphore Software Systems (P) Ltd. Out of grants received from DSIR. On the basis of recommendation of advisory committee. As per policy of the Corporation, the amount of each investment held on behalf of DSIR has been disclosed at a notional value of Re. 1 in the Schedule of Investments.

**8. Sundry Debtors and Development Loans**

- (i) Sundry Debtors amounting to Rs. 71.92 lakhs (Rs. 87.92 lakhs), including Rs. 49.36 lakhs (Rs. 61.36 lakhs) the share of R&D Institutions are outstanding for more than three years and are being pursued for recovery by legal action or otherwise and hence are not provided for, since the same are considered recoverable by the Management. However, the management had now made an additional adhoc provision of Rs. 5.72 lakhs on total debtors.
- (ii) Loans & Advances includes Development Loans and interest amounting to Rs. 20.40 lakhs (Rs. 24.96 lakhs) outstanding for more than three years which are being pursued for recovery by legal action or otherwise and accordingly not provided for, since the same are considered recoverable by the Management.
- (iii) Debts considered doubtful

	Amount (Rs.)	
	Current Year	Previous Year
Sundry Debtors	1,10,123	1,10,123

## 9- i nkbfek ena

bl o"lz i nkbfek ena dk C; 9k fuEufyf [RRk foofj .k ds vuq kj muds l e(k fn, x, yf'kk&'kr'kk&ds uhipsfn; k x; k g%

	jkr'k ¼ i, ½	
	pkym o"lz	xRk o"lz
<b>0;</b>		
i) dk; ky; 0; oLFkk	—	1]500
ii) ; k=k	38]939	59]653
iii) dkuuh o 0; kol kf; d	66]000	—
; ksx	1]04]939	61]153
<b>vk;</b>		
i) jkW YVh	211	—

## 10- I gk; Rkk vuqku

vkfo"dkj l nkbZ dk; Døe ¼/vb ih i h½ RkFkk Á@] 9xdh Á@l kgu dk; Døe ¼/h ih i h½ l sl æfekRk xFRkofek; ka oSKlfud v9 v@] 9xd vuq ækku foHkkx ¼dkj i 9s'ku dk Á'kkl fud ea=ky; ½ l smuds; 9kukc) 0; ; ds vuq kj vkoRkhi@okf'kZd l gk; Rkk-vuqku ds vRkxRk l EilU dh TkRkh gA

11- dkQh l e; l s20-04 yk[k #i, dh jkr'k l h, l vkb vkj ds vuqku ds: i eaORkku nkr; Roka ds vRkxRk i Mh gA dffRk jkr'k ea l h, l vkb vkj dk Áekku vak oSKlfud dkjoladsfy, gA bl dk bLreky djustdsfy, ckMZ usvuqku nsfn; k gsvk9 i æ/ku }kjk, d dk; hy xBr fd; k x; k gsrFkk rnuq kj dk; bkg dh tk, xhA

12- dkj i 9s'ku us xfy; e ds mRiknu ds fy, Mh vkj Mh v@] Mh, l Vh] Mh, l vkb vkj RkFkk ukYd® ds l g; 9x l s, d i fj; 9kuk vkjRk dh Tk®ukYd® i fj; 9kuk uke l sTkkuh TkRkh gA l kefjd egRo dh g'us ds dkj .k bl ea Mh vkj Mh v@] Mh, l vkb vkj] Mh, l Vh RkFkk ukYd® us bl i fj; 9kuk ea l a 9Rk : i l sfuos fd; k x; k FkkA vr%¼dnh; l jdkj ds foHkkx gkus ds dkj .k½ dpy Mh vkj Mh vk9 Mh, l vkb vkj o Mh, l Vh usgh bl ea l g; ksx fn; kA bZvkBZ, y dks bl ea dk; Bkjh, t d h fu; 9r fd; k x; k FkkA ; g i fj; kst uk py ugha i kbZ D; kAd bl ds fu l l kj .k ea mPp Lrj ij i kjk mi fLFkr gkus ds dkj .k i nkk .k fu; æ .k ckMZ us bl seatijh ugha nhA i fj; kst uk yf'kk ea i Mh 771-35 yk[k : i, dh /kujkr'k dks mu l Hkh rhuka l jdkjh foHkkx ka dks ykS/k fn; k x; k g ftUgkuc; kt l fgr o"lz 2008&09 mDr i fj; kst uk ea; ksxnku fn; k FkkA

13- vkb Mh, o l h Mh, ds de9kfj; ka ds fy, l jdkj usvyx l snksoru vk; kska dk xBu fd; k gA l h Mh, de9kjh rFkk vkb Mh, nksuka de9kfj; ka ds fy, dlnh; l jdkj usvire vuqku dh ?kksk.kk dj nh gA ckMZ us foUkh; l ykgdkj]

## 9. Prior Period Items

Prior period items have been accounted for under the respective heads of accounts during the year as detailed below:

	Amount (Rs.)	
	Current Year	Previous Year
<b>Expenses</b>		
i) Office Maintenance	—	1,500
ii) Travelling	38,939	59,653
iii) Legal & Professional	66,000	—
Total	1,04,939	61,153
<b>Income</b>		
i) Royalty	211	—

## 10. Grants-in-Aid

The activities under Invention Promotion Programme (IPP) and Technology Promotion Programme (TPP) are being carried out of the recurring/yearly grants-in-aid received from Department of Scientific and Industrial Research (the Administrative Ministry of the Corporation) under their planned schemes/expenditures.

11. A sum of Rs. 20.04 lakhs is lying as grant from CSIR since long under current liabilities. The said amount primarily comprises of CSIR share for a Scientist Caravan. The Board has accorded its approval to utilize the amount and a Task Force has been formed by management and action will be taken accordingly.

12. The Corporation alongwith DRDO, DST, DSIR, and NALCO had jointly undertaken to set up the project for production of Gallium, known as NALCO project. Being a strategic element, DRDO, DSIR, DST and NALCO had to jointly invested to the Project. However, contribution was only done by DRDO, DST and DSIR (all being Central Government Departments). EIL was appointed as implementing agency. However, the project could not take off due to non-clearance by Pollution Control Board due to high level of mercury present in the effluent and later on the project declared abandoned. In view of the above Corporation has already refunded the entire money amounting to Rs. 771.35 lakhs lying in the project account to all the three Central Government Departments who only had contributed towards the said Project along with interest during the financial year 2008-09.

13. The Government has set up two separate Pay Commissions in respect of employees who are CDA and IDA patterns. The final approval has already been announced by the Central Government in respect of CDA employees as well as IDA employees. The Board has already accorded its

Mh, l vkbzvjk l svueknk cktR gkusdh 'krZds l kfk bl ds dk; kko; u dk vueknk dj fn; k gA rnuq kj gh foUkh; o"KZ 2007&08 eaYs[kk i qLrdkvkaeaoRu l akkZku dsfy, 69-86 yk[k #i, dk cko/kku dj fy; k gA o"KZ 2008&09 eaoru l akkZku ij vfrfjDr 0; ; ds: i ea135-17 yk[k #i, Hkh ys[kk i qLrdkvkaeai fjdfr dj fy, x, gA

- 14- Rkyu-i = Tkkjh g"usdh Rkkjh[k Rkd y?kq i ekusdsv"l fxd mi Oekad" HkqRkku dh Tkkusokyh d"bzHkh jkf' k cdk; k ugha gA dkj i "s ku l "e j y?kqRkFkk ee; e m | e fodkl vfeifu; ej 2006 ds vBkxRk l "e j y?kq RkFkk ee; e LRkj ds m | eka dk fooj.k AKIRk djus dk A; kl dj jgh gA
- 15- /kkjk 25 ds vxrZr da uh gkus ds dkj.k dkj i kjs ku vi us i kjk dky l sgh vk; o 0; ; ys[kk rS kj dj jgh gA rFkfi , d l ng gSfd ykHk o gfu ys[kk dsvk; o 0; ; ys[kk rS kj fd, tkusgA; k ugha Hkkjrh; egkyS[kkdkj l lFkku dks, d l dsr fd; k x; k gSfd yfcr vk; o 0; ; ys[kk i dz i ) fr dsvuq kj rS kj fd; k x; k gS tksvHkh gA
- 16- funskd eMy dsfopkj eaRkFkk mudh Tkkudkjh , oaf"okl eaPKywi fjl i fUk; " .k"RkFkk vfxe"dk eW; Rkyu-i = ea cRk, x, mudseW; l sde ugha gA
- 17- uke@Tkek eai kVZds [kkRkadh Af"V ml dh i q"V l keUTL; RkFkk l ek; "ku] ; fn d"bzgSRk" dsvuq kj gkkaA
- 18- xRk o"KZsvk"lM"dh vko' ; dRkkuq kj i q%0; oLFk dh xbz gSRkFkk i q%, d= fd; k x; k gSRkfd pkyw o"KZsvk"lM"l s mudh Rkyuk dh Tkk l da
- 19- v"l" d" fudVRke : i , eai fjoRkRk fd; k x; k gA d" Bd eanh xbz jkf' k; kaxRk o"KZ dh gA

l f{kRk Rkyu-i = RkFkk da uh ds dk; Zdyki ka dh l keku; : ijs[kk l yXu g%

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ubZfnYyh  
fnukd %31 vxLr 2009

approval to implement the same subject to approval of FA, DSIR. Accordingly, the provision for wage revision has been made in the books of accounts during the financial year 2007-08 amounting to Rs. 69.86 lakhs and further now during the financial year 2008-09 additional expenditure on wage revision amounting to Rs. 135.17 lakhs has now been accounted for in the books of accounts.

14. There are no dues payable to Small Scale Industrial unit undertakings as at the balance sheet date. The company is in process of obtaining details of micro, small & medium enterprises for the purpose of disclosure required under Micro, Small & Medium Enterprises Development Act, 2006.
15. The Corporation being a Section 25 Company is preparing Income & Expenditure Account since its inception. However, a doubt has occurred whether Income & Expenditure Account of Profit & Loss Account is to be prepared. A reference has been made to the Institute of Chartered Accountants of India, pending the same Income & Expenditure Account has been prepared as per past practice.
16. In the opinion of the Board of Directors and to the best of their knowledge and belief the value of current assets, loans and advances is not less than the value at which they are stated in the Balance Sheet.
17. Party accounts, in debit/credit, are subject to confirmation, reconciliation and consequential adjustments thereof, if any.
18. Previous year's figures have been rearranged and regrouped wherever necessary so as to make them comparable with those of the current year.
19. Figures are rounded off to the nearest rupee. Figures in bracket represent previous year figures.

Balance Sheet Abstract and a Company's General Business Profile is enclosed.

For & on behalf of  
Gupta Raj & Company  
Chartered Accountants

For and on behalf of  
the Board of Directors

(Raj Kumar Gupta)  
Partner  
Membership  
No. 10437

(Somenath Ghosh)  
Chairman & Managing  
Director

(Dr. Vibhu Rashmi)  
Director

(V.K. Manchanda)  
Incharge Company  
Affairs

(A.B. Ilango)  
Incharge Finance

New Delhi  
Date: 31 August 2009

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rgyu-i= l kj rFk ,d dāuh dh dkjckj  
l cēkh : ijs[kk**

**I. iathdj.k l cēkh fooj.k jkT; dkm**  
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2354  
rgyu&i= vfnukd½ 31-03-2009

**II. o'kz ds nkjku c<k iat'h**  
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ckul b'; w ikboV l yd eV  
'kk; 'kk;

**III. l xg.k dh fLFfr rFk fufek; ka dk ifjfu; kst**  
dy nkf; Ro dy ifj l ā fūk; ka  
#- 25]18]38]084 #- 25]18]38]084

**fufek; ka ds l kr**  
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#- 4]41]81]000 #- 5]83]76]525  
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'kk; 'kk; 'kk;

**fufek; ka dk vuqz kx**  
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#- 92]90]367 #- 60]12]333

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l fpr gkfu; ka vkLFfkr dj l ā fūk; ka  
'kk; #- 3]74]807

**IV. dāuh dk fu'iknu**  
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#- 12]20]29]009 #- 11]58]48]018

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(+) #- 61]80]991 ½\$½ #- 31]97]332

(di; k ykHk ds fy, mi; Ør [kkus ij '+' fplog  
yxk, a vksj gkfu ds fy, '-' fplog yxk, Ø)

vk; ifr 'k s j ykHk k  
#- 72-37 ykxw ugha gkrk

**Schedule-ZA  
BALANCE SHEET ABSTRACT AND A COMPANY'S  
GENERAL BUSINESS PROFILE**

**I. Registration Details State Code**  
Registration No. 55  
2354  
Balance Sheet (Date) 31-03-2009

**II. Capital raised during the year**  
Public Issue Right Issue  
Nil Nil  
Bonus Issue Private Placement  
Nil Nil

**III. Position of Mobilisation and Deployment of Funds**  
Total Liabilities Total Assets  
Rs. 25,18,38,084 Rs. 25,18,38,084

**Sources of Funds**  
Paid-up Capital Reserve & Surplus  
Rs. 4,41,81,000 Rs. 5,83,76,525  
Secured Unsecured Share Deposit  
Loans Loans from Govt. of India  
Nil Nil Nil

**Application of Funds**  
Net Fixed Assets Investments  
Rs. 92,90,367 Rs. 60,12,333

Net Current Assets Misc. Expenditure (DRE)  
(+) Rs. 8,68,80,018 Nil

Accumulated Losses Deferred Tax Asset  
Nil Rs. 3,74,807

**IV. Performance of Company**  
Turnover Total Expenditure  
Rs. 12,20,29,009 Rs. 11,58,48,018

(+/-) Profit/Loss Before Tax Profit After Tax  
(+) Rs. 61,80,991 (+) Rs. 31,97,332

(Please tick Appropriate box + for Profit - for Loss)

Earning per share Dividend  
Rs. 72.37 N.A.



**uškuy fjl pž fMoyieW dKjijšku ds l nL; ka ds l ešk i lRr**

- 1- geusškuy fjl pž fMoyieW dKjijšku ds 31 ekpž 2009 dks l ektr l ayXu rgyu-i = dh ml h frffk dks l ektr o"lz ds fy, dKjijšku ds vk; rFkk 0; ; ys[tk dh Hkh tkp dj yh gA bu foUkh; fooj.kka ds fy, dā uh izaku mUkjnk; h gA gekjk mUkjnkf; Ro bu foUkh; fooj.kka ds fo"; eadh xbz ys[tk ijh{k ij viusfopkj i lRr djuk gA
- 2- geus vi uh ys[tk ijh{k l keku; r% Hkkjr ea LohŃr ys[tk ijh{k ekudka ds vuq kj dh gA mu ekudka ds vuq kj ys[tk ijh{k ds nšku bl izdkj dk vk'okl u iklr djuk gkrk gSfd foUkh; fooj.k fdl h Hkh izdkj l sxyr u gka ys[tk ijh{k ds vUrXz foUkh; fooj.kka ds Li "Vhdj.k rFkk jkf" k; kads l eFkz eafn, x, l k; ; kadh ijh{k.k ds vkekkj ij tkp dh trkh gA ys[tk ijh{k eablReky fd, x, ys[tk fl )krk izaku }kjk i lRr egRo i wkz vupkuka vŃ l ā wkz ys[tk fooj.kka dk eW; kacu fd; k trkh gA gekjk fo'okl gS fd gekjsfopkj i wkz %gekjh ys[tk ijh{k ij vkekkfjr gA
- 3- D; kAd ; g dā uh] dā uh %ys[tk ijh{kdkadh fj i %vzvknš 2003 ds mu Atoekkuka ds vākrk NW Ākrk gS Tk® dā uh vfeku; e 1956 dh ekjk 227 dh mi ekjk 74 , 1/2 ds vuq kj dā uh 74 ākrk ys[tk ijh{k fj i %vzvknš 2004 }kjk l ākrk gA mDRk vknš ds i šk 4 o 5 eaf ofufnZV ekeys ykxwugha gA  
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- d- geos l pūk, avŃ Li "Vhdj.k i klr gksx, gSftUgag vi uh l okk ke tkudkj h vŃ fo'okl ds vuq kj ys[tk ijh{k.k ds fy, vko' ; d l e>rs FkA  
[k- gekjh jk; ea fofek }kjk vi f{kr mfpr cfg; ka dKjijšku }kjk j [kh xbz gā vŃ , d k mudh tkp l sir k pyr k gA
- x- rgyu-i = vŃ vk; -0; ; ys[tk ftudk o.kz fj i kvlZ eaf d; k x; k gš ys[tk cfg; kads vuphny gA
- ?k- gekjh jk; eavk; o 0; ; ys[tk o rgyu i = ys[tk ekudka ds vuq i gā tks mi ekjk 3 l h , oa ekjk 211 dā uh vfeku; e 1956 eafn; k x; k gA

ys[tk uhfr l a 2 o ys[tk uhfr l a 13%ii:1/2 ds vuq kj jktLo Lohdfr o udn vk/kkj ij i hfe; e] i dVhdj.k 'kq[d] vfo"dkj

**To the Members of National Research Development Corporation**

1. We have audited the attached Balance Sheet of National Research Development Corporation as at 31<sup>st</sup> March, 2009 and also the Income and Expenditure Accounts for the year ended on that date annexed thereto. These financial statements are the responsibility of the company's management. Our responsibility is to express an opinion on these financial statements based on our audit.
2. We conducted our audit in accordance with the auditing standards generally accepted in India. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.
3. The matters specified in paragraph 4 and 5 of the Companies (Auditor's Report) order 2003, as amended by the companies (Auditor's Report) (Amendment) order, 2004 issued by the Central Government of India in terms of sub-section (4A) of Section 227 of the Companies Act 1956, are not applicable  
Further to our comments in the Annexure referred to above, we report that:
  - a. We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purposes of our audit;
  - b. In our opinion, proper books of account as required by law have been kept by the company so far as appears from our examination of those books;
  - c. The Balance Sheet and Income & Expenditure Account dealt with by this report are in agreement with the books of account;
  - d. In our opinion, the Balance Sheet and Income & Expenditure Account dealt with by this report comply with the accounting standards referred to in sub-section (3C) of Section 211 of the Companies Act 1956, subject to:
 

*Accounting Policy No. 2 and Accounting Policy No. 13(iii) with regard to revenue recognition and accounting on cash basis of premia, disclosure fee, subscription for*

l pdku dk; De ds vrxr if=dkvka dk xtgd 'kyd] ukYdks ifj; kstuk ij l kof/k tek ij C; kt rFkk jkW YVh dk dQn Hkkx udn vk/kj ij rFkk dQn Hkkx l Hkfr vk/kj ij] fodkl \_\_.kka ij C; kt] nj l s i k l r j k W Y V h i j C; k t v k s H k k j r h; y s [ k k i j h { k d l l F k k u } k j k ? k k s ' k r y s [ k k e k u d k a % , l 9 1 / 2 d s v u d k j i f ' V d j . k e a u g h a g a 1 / 4 v u d p h ; e a y s [ k k u f r l a 1 e a i k l r l a n H k z a

xj v f i k f u ' p; u r F k k f u o s k d s e W; e a d e h d h v L o h d f r d s l a k e a y s [ k k u f r l a 8 H k k j r h; y s [ k k i j h { k d l l F k k u } k j k ? k k s ' k r y s [ k k e k u d k a % , l 1 3 1 / 2 d s v u d k j i f ' V d j . k e a u g h a g a 1 / 4 v u d p h ; e a f v l i . k h l a 2 e a i k l r l a n H k z a

v u p k u k a d s f o ' k; e a l g k; r k v u p k u k a d s y s [ k k l s l a e i k r y s [ k k u f r l a 1 3 H k k j r h; y s [ k k i j h { k d l l F k k u } k j k ? k k s ' k r y s [ k k e k u d k a % , l 1 2 1 / 2 d s v u d k j i f ' V d j . k e a u g h a g a

M- 31 ekp] 2009 rd funskdka l s i k l r f y f [ k r i f r o n u r F k k f u n s k d e M y d s f j d k M Z d s v k / k j i j d a u h v f e k u; e 1956 dh ekjk 274 1/4 1/2 h 1/2 ds v l r x r 31 ekp] 2008 rd fu; p r f d, x, f d l h H k h f u n s k d d h v; k k; r k y k x w u g h a g r h a

p- l a n H k z H k h c k l r f d, x, %

i) f v l i . k h l a 2 1 / 4 v u d p h ; 1 0 # i, i f r ' k s j d s 6 y k [ k d s v u d r l k e; r k ' k s j d s e k; e l s e s V o h Q L V Z l p j h c s j h f y f e V M e a 6 0 y k [ k # i, d s f u o s k d s f o ' k; e a g a

ii) M h, l v k b z v k j d s d j k j K k i u d s v u d k j M h, l v k b z v k j d h j k W Y V h d h l k o f / k t e k i j n s C; k t r F k k n j l s i k l r M h, l v k b z v k j d h j k W Y V h d s H k k x i j 1 2 i f r ' k r i f r o ' k z d s v u d k j n s C; k t d k i k o / k k u u g h a g a m l h i d k j n s r k; f n d k b z g s r k s v l; l l F k k u k a f t U g a j k W Y V h o i h f e; e m u d s H k k x d s v u d k j n s g s n j l s i k l r H k x r k u g r q d Q n e k e y k a e a; F k s V j k f ' k; k v k s; F k s V v o f / k g r q m i y C / k u g h a f d, x, g a f o f o / k n s u n k j k a i j, d o ' k z l s v f / k d v o f / k d s f y, d y c d k; k j k f ' k 1 4 1 - 6 6 y k [ k # i, g s f t l e a, u v k j M h l h d k H k h f g l l k g a t c f d v u d a k k u l l F k k u k a d k i h f e; e v k s j k W Y V h d h c d k; k j k f ' k 3 1 2 - 8 2 y k [ k # i, g a, d h n s u n k j h d h j k f ' k d k i r k u g h a y x l d k g s t k s m R i l u g k u h g a

iii) u k s / l a 8 ( i i) 1 / 4 v u d p h ; 1 / 2 p k j o ' k k s e l s v f / k d l e; r d c d k; k i M h f o d k l \_\_. k k a v k s C; k t d h d y 2 0 - 4 0 y k [ k # i, d h j k f ' k f t l d h i k f l r e a l n g g s d s f y, c V V s [ k k r s e a M k y u s d k i t o / k k u u g k u s d s l a n H k z e a g a

iv) , d h m R i l u g l s d l u s o k y h j k f ' k f t l s v u p k u k a e a n ' k z k @ c p l

magazines under Invention Promotion Programme, and partly on cash basis and partly on accrual basis royalty, interest on development loans, interest on delayed payment of royalty, and are not in conformity with accounting standard (AS-9) pronounced by Institute of Chartered Accountants of India. (Reference is also invited to Accounting Policy No. 1 in Schedule Z.

Accounting Policy No. 8 with regard to non ascertainment and non recognition of diminution in the value of investments which is not in conformity with accounting standards (AS-13) pronounced by The Institute of Chartered Accountants of India. (Reference is also invited to Note No. 2 of Schedule Z).

Accounting Policy No. 13 with regard to accounting of Grants in Aid read with the terms of grants is not in accordance with accounting standard (AS-12) pronounced by The Institute of Chartered Accountants of India.

e. On the basis of written representations received from the directors, as on 31st March 2009 and taken on record by the Board of Director's we report that none of the director's is disqualified as on 31st March 2009 from being appointed as a director in terms of clause (g) of sub section (1) of section 274 of the Companies Act, 1956;

f. Attention is also invited to :

i) Note No. 2 (Schedule Z) about investment of Rs. 60 lakhs in M/s. Twenty First Century Battery Ltd, by way of 6 lakhs unquoted equity share @ Rs. 10 each.

ii) Non provision of interest payable @ 12% p.a. to DSIR for delay in payment of their share of royalty and interest payble towards interest earned in Fixed Deposits towards share of royalty of DSIR as per MOA with them. Similarly Liablility, if any, for delayed payments has not been provided for other institutions to whom Royalty & Premium under sharing arrangements is payable, in some cases considerable amount and or from a considerable period. Total outstanding Sundry Debotors for over 1 year is Rs. 141.66 lakhs including share of NRDC whereas outstanding amount payable for more than 1 year to Research Institute share in Premia and Royalty is Rs. 312.82 lakhs. Amount of such liability which may arise could not be ascertained.

iii) Note No. 8(ii) (Schedule Z) non-provision towards write off of development loans and interest amounting to Rs. 20.40 lakhs outstanding for more than 4 years as it is doubtful of recovery. The amount is shown in Loans and Advances.

iv) No liability has been provided which may arise for the

fd; k x; k gSftl ea0; ; ] fuoskj ifjl á fÚk; ka dh [kjhn tks fd Hkkjr l jdkj }kj k Lohdr vupkukadh 'krk:ea ughag} ij dkbZ ns rk mi yC/k ugha dj; h x; h gA

v) iklr dh tkusokyh jkW YVh dh l Vhdkr o ifj 'kq' rk dks ns[kusdsfy, dkbZ0; fDrxr tkp ughadh x; h gSrFkk ml s vuKflr/kkj dka l s iklr l puvkva ds vk/kkj ij gh tkpk x; k gA vuKflr/kkj dka dh l ; k vf/kd gkusdsdkj .k fopkj .kh; l e; kof/k eadkbZ l puk ; k 'kú; f; VuZ iklr ughagbZ gSrFkk rnuq kj , d sekeyka ea dkbZ ys[kk ugha fd; k x; k gA

vi) fVli .kh l ; k 13 ¼vuq iph ; ½ foÚkh; o"z 2008&09 ds fy, oru l á kskku dh ns rk grqvfrfjDr jkf'k ds : i ea 135-17 yk [k #i , ys[kk i fLrdkvka eami yC/k dj, x, A

vii) fVli .kh l a 14 l [e] y?kq o e/; e m|e fodkl vf/kfu; e 2006 ds varxR l [e] y?kq o e/; e m|e ka ds vi s{kr foj .kka ds vi dV u l sl ad/kr gA

viii) fVli .kh l a 17 ukes o tek nksuka izdkj ds i kVh ys[kk ds l ello; ] vfHki fV rFkk vuprtZ l ek; kst u ds l adk eagSrFkk vr% muds l ello; ds mi jkar mRi l u gks l dusokyh ns rk ij dkbZ fopkj 0; Dr ugha fd; k tk l drkA

N- mi jkDr i jk ¼k¼ rFkk ¼p¼ vj of. kr ekeykads l ak eami yCk l puvkva ds vuq kj fuosk@vnk; fx; ka nkoladh ol yh l stVh vfuf' prrkva ds ns[k rsgq o"z dh vk; ij i Musokys i frdny i Hko ds i d kj rFkk rgyu&i = ea ifjl á fÚk; ka o nkf; Uoka dk foj .k fuf' pr rj ij ugha Li"V fd; k tk l drkA

t- mi ; Dr i jk l a ¼k¼ ¼p¼ o ¼N¼ ds vlr xR gekjsvuq kj o gekjh tkudkj rFkk gea fn, x, Li"Vhdj .kka ds vuq kj mi ; Dr ys[kvks bl ds vfrfjDr dEi uh vefku; e 1956 }kj k ekah xbZ l puk vi s{kr : i ea i nku dh xbZ gSrFkk os Hkkjr ea LohN r l kku; ys[kk fl ) kar ka dh i fV ea l gh vj l R; nF"Vdksk i nku djrh gA

¼d¼ 31 ekpZ 2009 dks l ektr o"z ds fy, dkj i kjsku ds dk; bdyki ka l sl adkr rgyu-i = ds fo"k; e}

¼k¼ l eku frffk dks l ektr o"z grq0; ; ij vk; dh vf/kdrk ds vk; rFkk 0; ; ys[k ds l ak ea

Nrs xDrk jkt , M da uh l unh ys[kki ky

½kt d'epj xDrk½ Hkkxhkrj l nL; l a 10437

LFku % fnYyh frukad % 31 vxLr 2009

amounts shown/booked to grants including Expenses, Investments, purchase of Assets which are not in terms of the Grants sanctioned by the Government of India.

v) No independent verification has been done to see the accuracy/correctness of the Royalty to be received and the same is accounted for only in cases of and on the basis of receipts of returns/information from licensee. No returns/information or nil returns have been received from considerable period in case of large number of licensees and accordingly no accounting has been done in such cases.

vi) Note No. 13 (Schedule Z) Liabilities for pay/wage revision for the financial year 2008-09 an additional amount to Rs. 135.17 lakhs has been provided in the books of accounts.

vii) Note No. 14 regarding non disclosure or required details of micro, small and medium enterprises under Micro, Small and Medium Enterprises Development Act, 2006.

viii) Note No. 17 the party accounts, both debt and credits are subject to reconciliation, confirmation and consequential adjustments and therefore view can not be expressed whether some Liability or Income may arise after their reconciliations.

g. We further report that in respect of matters described in the above paras (d) and (f) from the available information, the extent of adverse effect on the income for the year and the assets and liabilities appearing in the Balance Sheet can not be ascertained on account of uncertainties associated with the final outcome.

h. Subject to Para No. (d), (f) and (g) above, in our opinion and to the best of our information, and according to the explanations given to us, the said accounts give the information required by the Companies Act, 1956 in the manner so required and give a true and fair view in conformity with the accounting principles generally accept in India:

(a) in the case of the balance sheet, of the state of affairs of the Company as at 31st March, 2009; and

(b) in the case of the Income & Expenditure Account of the excess of Income over Expenditure for the year ended on that date.

For Gupta Raj & Company Chartered Accountants

(Raj Kumar Gupta) Partner

Place : Delhi Date : 31 August 2009

Membership No. 10437





## **National Research Development Corporation**

(A Government of India Enterprise)

20-22, Zamroodpur Community Centre  
Kailash Colony Extension, New Delhi 110 048  
Phone : 29240401-8, 29248010 Fax : 91-11-29240409, 29240410  
E-mail : [write2@nrdcindia.in](mailto:write2@nrdcindia.in) Website : [www.nrdcindia.com](http://www.nrdcindia.com)



## **National Research Development Corporation**

(A Government of India Enterprise)

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