

(i) The particulars of its organization, functions and duties :

**INTERNATIONAL ADVANCED RESEARCH CENTRE FOR POWDER
METALLURGY AND NEW MATERIALS (ARCI), HYDERABAD**

(An Autonomous R&D Centre of Dept. of Science & Technology, Govt. of India)

Functions & Objectives

The International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI) is an autonomous R&D centre of Department of Science and Technology (DST), Government of India located in Hyderabad. Operational since 1996, ARCI has been setup with a mission to develop unique, novel and techno-commercially viable technologies in the area of advanced materials and subsequently transfer them to Indian industries. A unique feature of ARCI's mandate relates to the fact that it is industry centric. ARCI is required to develop and demonstrate technologies on a sufficiently large scale, not only to prove the reliability/consistency of the technology but also to carry out effective market sensitization, so that the subsequent transfer of technology to the industry has a greater chance of success.

To ensure that multi-disciplinary inputs can be readily harnessed for any of its targeted development efforts, ARCI has formed Centres of Excellence (COEs) in the following generic thrust areas related to materials and materials processing:

- ❖ Nano Materials
- ❖ Engineered Coatings
- ❖ Ceramic Materials
- ❖ Powder Metallurgy
- ❖ Laser Processing of Materials
- ❖ Fuel Cell
- ❖ Carbon Materials
- ❖ Solar Energy
- ❖ Automotive Energy

Services

Apart from developing technologies and transferring them to industry, ARCI also provides the following services to various small & medium scale enterprises in India:

- ❖ **Contract Research**
- ❖ **Consultancy Services**
- ❖ **Analytical Services**
- ❖ **Skill Development Programmes**
- ❖ **Assistance in making Detailed Project Report/Techno-Economic Feasibility Report**
- ❖ **Technical Presentation before Financial Institutions**
- ❖ **Assistance in getting loan at 6% simple interest up to 50% of the project cost (excluding land building) from Technology Development Board/TIFAC**
- ❖ **Process Know-how and marketing assistance**

PORTFOLIO OF ARCI TECHNOLOGIES

Technology Transfers Undertaken

Sr. No	Technology	Application area(s)	Transfer status
1-8.	Electro Spark Coating (ESC) equipment	Hard, wear resistant coatings	Transferred to 8 companies on nonexclusive basis
9.	Magnesia Aluminate Spinel (MAS) technology	Steel, cement and power plants	Transferred on exclusive basis
10.	Ceramic crucibles	Carbon and Sulphur analysis	Transferred on exclusive basis
11.	Energy efficient air heaters from ceramic honeycombs	Industrial heating	Transferred on exclusive basis
12-15	Detonation Spray Coating (DSC) technology	Wear and corrosion resistant coating for various components	Transferred to 4 companies on region-exclusive basis
16.	Reinforced graphite sheets and seals	Automotive sector	Transferred on exclusive basis
17.	Heat pipes heat sinks	Waste heat recovery systems, solar energy applications, power electronics	Transferred on exclusive basis
18.	Evaporation boats	Metallization industry	Transferred on exclusive basis
19.	Ceramic honeycomb molten metal filters	Molten metal filtration	Transferred on exclusive basis
20.	Calcium aluminate cements and furnace sealants	In refractory castables	Transferred on exclusive basis
21-23	Micro Arc Oxidation (MAO) technology	Hard(1800 VHN) wear resistant coatings on aluminum and titanium alloys	Transferred to 3 companies on region-exclusive basis.
24.	ESC equipment manufacturing technology	Diverse industry segments	Transferred on non-exclusive basis
25.	Nanosilver impregnation of ceramic water filter candles to impart anti-bacterial function	Water purification	Transferred on non-exclusive basis
26.	Nano silver based textile finishes for anti-bacterial applications	Anti-bacterial applications	Transferred on exclusive basis
27.	Fuel cell products	Energy	Ongoing

Technologies Available for Transfer/Adaptation

S. No	Technology and Related Issues	Key Features and Applications
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1.	<p>Decorative, Corrosion Resistant, Easy-To-Clean Coatings on Metals (Indian Patent Application Number 620/DEL/2010 dtd. 17/03/2010)</p> <p>Scale of Validation Achieved: In-house testing completed</p>	<p>Key Features:</p> <ul style="list-style-type: none"> - Water contact angle $95^{\circ} \pm 5^{\circ}$ - Can be directly applied on Aluminium/Stainless steel/mild steel substrates without need for primer - Can be transparent or decorative - High scratch hardness and abrasion resistance - Good corrosion resistance > 720 hrs Salt Spray Test (for Aluminium) - Good adhesion - Can be made anti-bacterial <p>Possible Applications:</p> <ul style="list-style-type: none"> - On Aluminum for use of chromate-free, decorative multi-functional coatings for blades of ceiling fans - On SS sheets as decorative, abrasion resistant coatings for modular kitchen applications
2.	<p>Hard Coatings on Plastics like Polycarbonate, PMMA, Carbon Epoxy Composites etc. (Indian Patent Application Numbers 2427/DEL/2010 dtd. 12/10/2010 and 1278/ DEL/ 2011 dtd. 02/05/11)</p> <p>Scale of Validation Achieved: In-house testing completed</p>	<p>Key Features:</p> <ul style="list-style-type: none"> - High scratch hardness and abrasion resistance - Long life - Good adhesion - Coloured coatings possible - Can be made easy-to-clean with low surface free energy <p>Possible Applications:</p> <ul style="list-style-type: none"> - Helicopter and automobiles windshields and windows - Aircraft canopies - Helmet visors - Road markers - Bi-aspheric lenses used in indirect ophthalmoscopy
3.	<p>Nano Silver Impregnated Ceramic Candle Filter (Indian Patent Application Number 2786/DEL/2005 dtd. 19/10/2005)</p> <p>Scale of Validation Achieved: Small scale production (Technology transferred to one company and is available for transfer on non-exclusive basis)</p>	<p>Key Features:</p> <ul style="list-style-type: none"> - Successfully field tested at various villages in Andhra Pradesh with a Non-Governmental Organization - No electrical power and pressurized water required - Ease in maintenance - Commercially attractive {very low amount of silver used (0.2 wt %), Cost increase : candle (30-50%) and filter assembly (3-5%)} - Replacement needed once in six months <p>Application:</p> <p>Ceramic candles for drinking water purification</p>
4.	<p>Nanocrystalline Zinc Oxide (ZnO) based Varistors (Indian Patent Application Number 1669/DEL/2006 dtd. 20/07/2006)</p>	<p>Key Features:</p> <ul style="list-style-type: none"> - Higher breakdown voltage (5 times), higher coefficient of non-linearity(3 to 4 times), lower leakage current compared to that of commercial

	<p>Scale of Validation Achieved: In-house testing completed</p>	<p>varistors</p> <p>Possible Applications: Surge voltage protection in electrical and electronics industry</p>
5.	<p>Silica Aerogels (Indian Patent Application Number 2406/DEL/2010 dtd. 08/10/2010)</p> <p>Scale of Validation Achieved: In-house testing completed</p>	<p>Key Features:</p> <ul style="list-style-type: none"> - Stable from cryo (-50⁰ C) to 1000⁰ C - Thermal conductivity (0.03 W/mK) - Fire resistant - Chemically inert - Easily cut - Hydrophobic - Thickness range from 5-25 mm can be produced <p>Possible Applications:</p> <ul style="list-style-type: none"> - Thermal insulation in automotives - Heating/cold storage - Thermal clothing - Aerospace etc.
6.	<p>Laser Welding and Laser-MIG Hybrid Welding</p> <p>Scale of Validation Achieved: Testing on some actual components as per users' requirements done successfully</p>	<p>Key Features:</p> <ul style="list-style-type: none"> - High power density - Single pass welding of thick sections - Controlled heat input welding with precision (even foils) - No vacuum requirement <p>Possible Applications:</p> <ul style="list-style-type: none"> - Can weld a wide variety of materials and thicknesses - Can weld magnetic materials unlike Electron Beam Welding - Tailor welded blanks for automotive applications etc. - Steel plates thick section welds: boiler components, ship building etc.
7.	<p>Laser Surface Hardening Treatment</p> <p>Scale of Validation Achieved: Testing on actual components as per users' requirements done successfully</p>	<p>Key Features:</p> <ul style="list-style-type: none"> - Selective localized area hardening with minimal heat input - No quenchant requirement - No surface damage - Excellent reproducibility with ease of automation - Negligible post process machining requirement - Refined homogenous microstructures - Controlled case depth - Minimal distortion - Chemical cleanliness <p>Possible Applications:</p> <ul style="list-style-type: none"> - Suited to wide range of steels, cast irons and profiles

		<ul style="list-style-type: none"> - The process can be developed for hardening of a variety of components such as crankshafts, camshafts, piston rings, tooling and dies, bearing steels, steam turbine blades, sheet metal etc.
8.	<p>Laser Surface Coating (Alloying and Cladding)</p> <p>Scale of Validation Achieved: Testing on actual components done successfully</p>	<p>Key Features:</p> <ul style="list-style-type: none"> - Material to be coated is fused using a laser beam and deposited on a substrate with good metallurgical bonding but with minimal base metal dilution - Fine microstructures - Provides crack-free clad layers without porosity <p>Possible Applications:</p> <ul style="list-style-type: none"> - Wear plates for different applications - Component repair and refurbishment
9.	<p>Laser Drilling</p> <p>Scale of Validation Achieved: Testing on actual components done successfully</p>	<p>Key Features:</p> <ul style="list-style-type: none"> - Non-contact drilling method - Holes of large aspect ratio and very small diameter (0.3 mm) can be drilled - Holes can be drilled at shallow angles to the surface - Precise control of heat input <p>Possible Applications:</p> <ul style="list-style-type: none"> - A wide variety of materials such as metals, ceramics and composites etc. can be drilled - The process can be used for specific applications such as drilling of fine holes on high pressure nozzle guided vanes and combustion liners for aero-engine applications
10.	<p>Micro Arc Oxidation (Indian Patent Number 209817 granted on 06/09/2007; US Patent Number 6893551 granted on: 17/05/2005)</p> <p>Scale of Validation Achieved: Small scale production (Technology transferred to 3 companies and is available for export and for states in India other than Andhra Pradesh, Tamilnadu and Karnataka)</p>	<p>Key Features:</p> <ul style="list-style-type: none"> - Ability to coat Al, Ti, Mg and Zr metals and their alloys - Ease to coat complex shapes and difficult to access regions - Uniform, dense, hard and thick coatings - Superior coating properties and performance compared to other conventional acid based processes like anodizing and hard anodizing - Excellent tribological properties and corrosion resistance - Eco friendly - 5 to 40 times service life enhancement <p>Possible Applications:</p> <ul style="list-style-type: none"> - For a wide array of applications in industries such as textile, automobile etc.
11.	<p>Detonation Spray Coating (DSC) Technology</p>	<p>Key Features:</p> <ul style="list-style-type: none"> - Attractively priced compared to imported HVOF

	<p>Scale of Validation Achieved: Small scale production (Technology transferred to 4 companies and is available for all Indian states except for Delhi, Haryana, Punjab, Uttar Pradesh, Uttaranchal, Bihar, Jammu & Kashmir, and Himachal Pradesh and for export)</p>	<p>units</p> <ul style="list-style-type: none"> - Extreme versatility - Capable of depositing a wide range of metals, alloys, cermet, ceramic and composite coatings for varied functional properties <p>Possible Applications:</p> <ul style="list-style-type: none"> - Coatings for applications such as wear and corrosion resistance etc. for various industries
12.	<p>Cold Spray Coating Technology</p> <p>Scale of Validation Achieved: In-house testing done successfully</p>	<p>Key Features:</p> <ul style="list-style-type: none"> - Ergonomic, Portable PLC based automated control panel - Mobility with onsite job repair and coating capabilities - Thick, dense and pure metallic/ alloy coatings (Ag, Cu, Zn, SS 316 etc.) - Can impart high electrical conductivity and corrosion resistance <p>Possible Applications:</p> <ul style="list-style-type: none"> - In all industry sectors where high electrical conductivity and high corrosion resistance properties are required.
13.	<p>Exfoliated Graphite and its Value Added Products (Indian Patent Number 187654 granted on 07/06/1995)</p> <p>Scale of Validation Achieved: Commercial Scale (Technology transferred to one company and is available for transfer to all Indian states on non-exclusive basis)</p>	<p>Key Features:</p> <ul style="list-style-type: none"> - Impermeable to fluids - Leak proof sealing under low turning torque - Easily cut and punched - Can withstand temperature range from -200⁰ to +500⁰ C in oxidizing and up to 3000⁰C in inert atmosphere - Excellent thermal shock resistance - Does not age or creep - Cannot get wetted by molten glass, metal etc., self-lubricating, and resistant to all chemicals <p>Possible Applications:</p> <ul style="list-style-type: none"> - Fuel Cells - Automotive - Oil refineries - Petrochemical industries etc.
14.	<p>ESC Equipment Manufacturing Technology (Indian Patent Application Number 1610/DEL/2005 dtd. 21/06/2005)</p> <p>Scale of Validation Achieved: Small scale production (Technology transferred to one company and is available for transfer to all Indian states on non-exclusive basis)</p>	<p>Key Features:</p> <ul style="list-style-type: none"> - Simple and cost-effective - Metallurgical bonded coatings with low heat input to the substrate - Any electrically conductive material available in electrode form can be coated on any conductive substrate - Equipment is portable and lends itself easily to automation for ensuring reproducibility - Capable of providing coating thickness in the

		<p>range of 10 to 130 μm</p> <p>Possible Applications:</p> <ul style="list-style-type: none"> - Component refurbishment and to combat severe conditions of wear - Can be used for enhancing life of cutting tools such as end mills, taps and lathe bits
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FOR FURTHER DETAILS, PLEASE CONTACT:

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(ii) The Powers and duties of its Officers and employees:

The Scientific, Technical and Administrative Personnel are organized into Centres of Excellence (COEs) in case of Technical Groups) and Centres (in case of Non-Technical Groups).

Each COE or Centre will be led by a Team Leader (TL) who will be responsible and accountable for all the activities of the Centre. To enable the TL carryout his tasks efficiently and effectively, the TLS re being provided with enhanced powers.

THE COMPOSITION OF THE CENTRES OF EXCELLENCE (COEs) AND CENTRES

The names and the constituent members of the 11 COEs and 9 Centres are provided below:

COE NO: 1. CENTRE FOR NANOMATERIALS

Sl.No.	Name of the Employee	Designation	Powers & Duties
1.	Dr. S.V. Joshi	Additional Director	Overall Incharge of the COE
2.	Dr. T. Narsinga Rao	Scientist `F' (Team Leader)	Incharge of the COE
3.	Dr. Pramod H. Borse	Scientist `E'	Work/Activity related to the particular COE
4.	Dr. R. Vijay	Scientist `F'	.....Do.....
5.	Dr.Ms. Malobika Karanjai	Scientist `E'	.....Do.....`
6.	Dr. Joydip Joardar	Scientist `E'	....Do.....
7.	SB Chandra Sekhar	Scientist `D'	....Do....
8.	Kaliyan Hembram	Scientist `D'	....Do...
9.	Dibyendu Chakravarthy	Scientist `D'	....Do.....
10.	Dr. Neha Y. Hebalkar	Scientist `D'	....Do.....
11.	S. Sudhakara Sarma	Scientist `C'	....Do.....
12.	Ms. J. Revathi	Scientist `C'	....Do.....
13.	V. Mahender	Tech. Officer `C'	....Do.....
14.	PVV Srinivas	Tech. Officer `A'	.....Do.....
15.	KVB Vasantha Rayudu	Technician `C'	....Do.....
16.	E. Konda	Technician `C'	....Do.....
17.	P. Anjaiah	Technician `C'	....Do.....
18.	Govinda Kumar	Technician `B'	....Do.....
19.	A. Praveen Kumar	Technician `C'	....Do.....
20.	J. Venkateswara Rao	Technician `C'	....Do.....
21.	G. Anjan Babu	Technician `B'	....Do.....
22.	I. Prabhu	Technician `A'	....Do.....
Total No. of Employees in the COE			22

COE NO: 2. CENTRE FOR ENGINEERED COATINGS

Sl.No.	Name of the Employee	Designation	Powers & Duties
1.	Dr. SV Joshi	Additional Director	Overall Incharge of the COE
2.	D. Srinivasa Rao	Scientist `F' (Team Leader)	Incharge of the COE
3.	N . Ravi	Scientist `E'	Work/Activity related to

			the particular COE
4.	L. Ramakrishna	Scientist `E'	.....Do.....
5.	G. Siva Kumar	Scientist `E'	.....Do.....
6.	Dr. Nitin P. Wasekar	Scientist `D'	.....Do.....
7.	Dr. Krishna Valleti	Scientist `D'	.....Do.....
8.	Dr. S. Kumar	Scinetist-C	.....Do.....
9.	Naveen Manhar Chavan	Scientist `C'	.....Do.....
10.	Debajyothi Sen	Tech. Officer `D'	.....Do.....
11.	J. Nagabhushana Chary	Technical officer`A'	.....Do.....
12.	DK Sagar	Technician `C'	.....Do.....
13.	A. Satyanarayana	Technician `C'	.....Do.....
14.	D. Kutumba Rao	Technician `C'	.....Do.....
15.	K. Vigneswara Rao	Technician `C'	.....Do.....
16.	A. Jagan	Technician `B'	.....Do.....
17.	S. Narsinga Rao	Technician `A'	.....Do.....
Total NO. of the Employees in the COE			16

COE NO: 3. CENTRE FOR LASER PROCESSING OF MATERIALS

Sl.No.	Name of the Employee	Designation	Powers & Duties
1.	Dr. G. Padmanabham	Associate Director (Team Leader)	Incharge of the COE
			Work/Activity related to the particular COE
2	K.V. Phani Prabhakar	Scientist `E'	Work/Activity related to the particular COE
3	Dr. I. Ganesh	Scientist `E'	....Do....
4	SM Shariff	Scientist `E'	....Do....
5.	Ravi Nathuram Bathe	Scientist `E'	....Do....
6.	Gururaj Telasang	Scientist `C'	...Do...
7.	Manish Tak	Scientist `C'	....Do....
8.	E. Anbu Rasu	Technical Officer-A'	....Do....
9.	DP Surya Prakash Rao	Technician `C'	....Do....
10.	J. Shyam Rao	Technician `A'	....Do....
Total NO. of the Employees in the COE			10

COE NO: 4. CENTRE FOR CERAMIC PROCESSING

Sl.No.	Name of the Employee	Designation	Powers & Duties
1.	Dr. G. Padmanabham	Associate Director	Overall Incharge of the COE
2.	Dr. Roy Johnson	Scientist `F' (Team Leader)	Incharge of the COE

3.	Dr. Y. Srinivasa Rao	Scientist `E'	....Do....
4.	R. Senthil Kumar	Scientist `D'	....Do....
5.	Dr. Buchi Suresh	Scientist `D'	--Do--
6.	Pandu Ramavath	Scientist `C'	....Do....
7.	Mrs. Papiya Biswas	Scientist `C'	....Do....
8.	A. Raja Shekar Reddy	Tech. Officer `A'	....Do....
9.	B. Subrahmanyeswar Rao	Technician `C'	....Do....
10.	Kurra Venkata Ramana	Technician `C'	....Do....
11.	M. Satyanand	Technician `B'	....Do....
12.	Shaik Ahmed	Technician `A'	....Do....
13.	M. Lingaiah	Technician `A'	....Do....
Total No. of Employees in the COE			13

COE NO: 5. CENTRE FOR NON-OXIDE CERAMICS

Sl.No.	Name of the Employee	Designation	Powers & Duties
1.	Dr. S.V. Joshi	Additional Director	Overall incharge of the COE
2	Dr. Bhaskar Prasad Saha	Scientist `E' (Team Leader)	Incharge of the COE
3.	Dulal Chandra Jana	Scientist `D'	.....Do....
4.	Prasenjit Barick	Scientist `C'	.....Do....
5.	M. Srinivas	Tech. Officer `B'	.....Do....
6.	N. Venkata Rao	Tech. Officer `B'	.....Do....
7.	M. Srihari	Tech. Officer `B'	.....Do....
8.	BV Shalini	Tech. Officer `B'	.....Do....
9.	M. Ilaiyaraja	Tech. Officer `A'	.....Do....
10.	R. Anbarasu	Tech. Asst `A'	.....Do....
11.	A. Jayakumaran Thampi	Technician `C'	.....Do....
12.	B. Venkanna	Technician `C'	.....Do....
13.	E. Yadagiri	Technician `A'	.....Do....
Total No. of Employees in the COE			13

COE NO: 6. CENTRE FOR CARBON MATERIALS

Sl.No.	Name of the Employee	Designation	Powers & Duties
1.	Dr. G. Padmanabham	Associate Director	Overall Incharge of the COE
2.	Dr. Pawan Kumar Jain	Scientist `F' (Team Leader)	Incharge of the COE
3.	Balaji Padya	Scientist `C'	...Do...
4.	K. Subba Rao	Technician `C'	...Do...
5.	G. Venkat Reddy	Technician `C'	...Do...

Total No. Of the Employees in the COE	05
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COE NO: 7. CENTRE FOR STRUCTURAL & CHEMICAL CHARACTERISATION

Sl.No.	Name of the Employee	Designation	Powers & Duties
1.	Dr. S.V. Joshi	Additional Director	Overall Incharge of the COE
2.	Dr. G. Ravi Chandra	Scientist `F' (Team Leader)	Incharge of the COE
3.	Dr. (Mrs.) B.V. Sarada	Scientist-E	Work/Activity related to the particular COE
4.	A. Jyothirmayi	Tech. Officer `D'	....Do....
5.	K. Ramesh Reddy	Tech. Officer `A'	.....Do....
Total No. of the Employees in the COE			05

COE NO: 8. CENTRE FOR MECHANICAL & MICRO STRUCTURAL CHARACTERISATION

Sl.No.	Name of the Employee	Designation	Powers & Duties
1.	Dr. S.V. Joshi	Additional Director	Overall Incharge of the COE
2.	Dr. G. Ravi Chandra	Scientist `F' (Team Leader)	Incharge of the COE
3.	P. Suresh Babu	Scientist `D'	Work/Activity related to the particular COE
4.	M. Ramakrishna	Scientist `C'	....Do....
5.	G. V. Ramana Reddy	Techn. Officer `C'	....Do....
6.	L. Venkatesh	Scientist-'B'	....Do....
7.	G. Venkata Rao	Technician `C'	....Do....
Total No. of the Employees in the COE			07

COE NO: 9. CENTRE FOR SOL-GEL TECHNOLOGY

Sl.No.	Name of the Employee	Designation	Powers & Duties
1.	Dr. S.V. Joshi	Additional Director	Overall Incharge of the Centre
2.	Dr. R. Subasri	Scientist `E' (Team Leader)	Incharge of the COE
3.	K. Murugan	Scientist `D'	....Do.....
4.	KRC Somaraju	Tech. Officer `D'	...Do...
5.	Ms. V. Uma	Technical Officer-C	.....Do....
5.	D. Srinivasa Reddy	Tech. Officer `B'	...Do...
6.	A. Ramesh	Technician `C'	...Do...

Total No. of Employees in the Centre	06
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COE NO: 10. CENTRE FOR FUEL CELL TECHNOLOGY

Sl.No.	Name of the Employee	Designation	Powers & Duties
1.	Dr. G. Sundararajan	Director	Overall incharge of the COE
2.	Dr. KS Dhathathreyan	Associate Director (Team Leader)	Incharge of the COE
			Work/Activity related to the particular COE
3.	Dr. N. Rajalakshmi	Sr. Scientist (contract)	....Do....
4.	Dr. K. Ramya	Sr. Scientist (contract)	....Do....
Total No. of Employees in the COE			04

H. CENTRE FOR TECHNICAL ACQUISITION, TRANSFER & INTERNATIONAL COOPERATION (CENTRE)

Sl.No.	Name of the Employee	Designation	Powers & Duties
1.	Dr. G. Padmanabham	Associate Director	Overall Incharge
2.	Sanjay Bhardwaj	Scientist `E' (Team Leader)	Incharge of the COE
3.	Ms. Priya Anish Mathews	Scientist `C'	Work/Activity related to the particular COE
4.	Seetharaman Arun	Scientist `C'	.....Do.....
5.	Y. Krishna Sarma	Officer Gr. `A'	....Do....
6.	K. Ashok	Technician 'A'	.....Do....
Total No. of Employees in the COE			06

12. FINANCE, ACCOUNTS, STORES & COMPUTER CENTRE (CENTRE)

Sl.No.	Name of the Employee	Designation	Powers & Duties
1	Dr. G. Sundararajan	Director	Overall Incharge of the Centre
2.	R. Vijay Kumar	Chief Fin. & Accts. Officer (Team Leader)	Incharge of the COE
3.	N. Srinivas	Stores & Purchase Officer	Work/Activity related to the particular Centre
3.	Anirban Bhattacharjee	Officer Gr `B'	...Do....

4.	GM Raj Kumar	Officer Gr `B'	...Do....
5.	G. Ramesh Reddy	Officer Gr `A'	...Do....
6.	B. Uday Kumar	Officer Gr `A'	...Do....
7.	P.V. Ramana	Officer Gr `A'	...Do....
08.	T. Venu	Assistant Gr `B'	....Do.....
09.	G. Gopal Rao	Assistant Gr `B'	....Do.....
10.	Sankar Ganesh	Tech. Officer Gr -'A'	...Do....
11.	K. Naresh Kumar	Tech. Officer Gr `A'	...Do....
12.	MR Renju	Tech. Asst Gr `A'	...Do....
13.	B. Laxman	Assistant Gr `B'	...Do....
14.	J. Bansilal	Jr. Asst (MACP)	.....Do....
15.	D. Manikya Prabhu	Technician `A'	...Do....
16.	Hussain Ali Khan	Lab. Asst `C'	...Do....
Total No. of Employees in the Centre			16

13. ADMINISTRATION & MT (CENTRE)

SI.No.	Name of the Employee	Designation	Powers & Duties
1.	Dr. G. Sundararajan	Director	Overall Incharge of the Centre
2.	R. Prabhakara Rao	Chief Admin & Personnel Officer (Team Leader)	Incharge of the Centre
3.	K. Srinivasa Rao	Tech. Officer `B'	Work/Activity related to the Particular Centre
4.	A. Srinivas	Officer-B	...Do....
5.	P. Venugopal	Officer Gr `A'	...Do...
6.	P. Kamal Vaishali	Officer Gr `A'	.....Do....
7.	K. Shakuntala	Assistant Gr `B'	...Do....
6.	P. Dharma Rao	Assistant Gr `B'	...Do....
7.	Ravi Singh	Assistant Gr `B'	...Do....
8.	K. Madhura Vani	Assistant Gr A	--Do--
9	Narendra Kumar Bhakta	Assistant Gr 'A'	...Do....
10.	Md. Sadiq	Driver `C'	...Do....
11.	P. Ashok	Driver `B'	...Do....
12.	T. Satyanarayana	Driver `B'	...Do....
13.	MA Fazal Hussain	Driver `B'	...Do....
14.	Ch. Jangaiah	Technician `A'	...Do....
Total No. of Employees in the Centre			14

14. TECHNICAL INFORMATION CENTRE (CENTRE)

SI.No.	Name of the Employee	Designation	Powers & Duties
1.	Dr. S.V. Joshi	Additional Director	Overall incharge of the

			Centre
2	Dr. G. Ravi Chandra	Scientist `F' (Team Leader)	Incharge of the Centre
3.	R. Vijay Chander	Scientist `C'	Work/Activity related to the particular Centre
4.	C Karunakar	Tech. Officer `B'	....Do...
5.	TK Gireesh Kumar	Tech. Asst `A'	....Do...
6.	P. Suribabu	Technician `B'	....Do...
Total No. of the Employees in the Centre			06

15. SECURITY & FIRE/AREA MAINTENANCE (CENTRE)

SI.No.	Name of the Employee	Designation	Powers & Duties
1.	Dr. G. Padmanabham	Associate Director	Overall Incharge of the Centre
2.	S. Jagan Mohan Reddy	Security & Fire Officer	Incharge of the Centre
Total No. of Employees in the Centre			02

16. DELHI & PATENT CELL (CENTRE)

SI.No.	Name of the Employee	Designation	Powers & Duties
1.	Dr. G. Sundararajan	Director	Overall Incharge of the Centre
2.	SP Mishra	Scientist-E (Team Leader)	Incharge of the Centre
3.	Mrs. Rajalakshmi Nair	Assistant `B'	Work/Activity related to the particular Centre
4.	Aan Singh	Lab. Asst `C'	....Do....
5.	Roop Singh	Lab. Asst `C'	....Do....
6.	Gaje Singh	Lab. Asst `C'	....Do....
Total NO. of Employees in the Centre			06

17. DIRECTOR'S SECRETARIAT AND HRD (CENTRE)

SI.No.	Name of the Employee	Designation	Powers & Duties
1.	Dr. G. Sundararajan	Director	Overall Incharge of the Centre
2.	P. Nagendra Rao	Staff officer to Director	Work/Activity related to Particular Centre
3.	A. Srinivas	Officer Gr. `B'	...Do....
4.	N. Aparna Rao	Officer Gr. `B'	...Do....
5.	B. Hemanth Kumar	Technician `B'	...Do....

6.	Sushanta Mukhopadhyay	Technician `B'	...Do....
Total NO. of Employees in the Centre			06

18. ELECTRICAL & CIVIL MAINTENANCE (CENTRE)

Sl.No.	Name of the Employee	Designation	Powers & Duties
1.	Dr. G. Padmanabham	Associate Director	Overall Incharge of the Centre
2.	V. Balaji Rao	Scientist `F' (Team Leader)	Incharge of concerned Centre
3.	P. Ramakrishna Reddy	Tech. Officer `C'	Work/Activity related to the particular Centre)
4.	VC Sajeev	Technical Officer `C'	.....Do....
5.	AR Srinivas	Technical Officer 'A'	.....Do....
6.	A. Janga Reddy	Technician `C'	.....Do....
7.	Ch.Venkateswara Rao	Technician `C'	.....Do....
8.	Prabir Kumar Mukhopadhyay	Technician 'A'	.....Do.....
Total NO. of Employees in the Centre			08

19. ELECTRONICS & INSTRUMENTATION (CENTRE)

Sl.No.	Name of the Employee	Designation	Powers & Duties
1	Dr. SV Joshi	Additional Director	Overall Incharge of the Centre
2.	S. Nirmala	Scientist `D'	Work/activity related to particular Centre
3.	Ch. Sambasiva Rao	Tech. Officer `B'	....Do....
4.	N. Aruna	Tech. Asst `A'	....Do....
Total No. of Employees in the Centre			04

20. CENTRE FOR SOLAR ENERGY MATERIALS

Sl.No.	Name of the Employee	Designation	Powers & Duties
1	Dr. S.V. Joshi	Additional Director	Overall Incharge of the Centre
2.	Dr. Shanmuga Sundaram Sakhivel	Scientist-E	Work/activity related to particular Centre
3.	Dr. BV Sarada	Scientist-E	.....Do....
4.	Dr. Sanjay R. Dhage	Scientist `D'	.....Do....

5.	Dr. Easwaramoorthi Ramasamy	Scientist-C	....Do....
6.	K. Satyanarayana Reddy	Technician-C	--Do--
Total Number of Employees			06

COE NO: 21. CENTRE FOR AUTOMOTIVE ENERGY MATERIALS

Sl.No.	Name of the Employee	Designation	Powers & Duties
1.	Dr. G. Sundararajan	Director	Overall incharge of the COE
2.	Dr. R. Gopalan	Scientist-G (Team Leader)	Incharge of the COE
			Work/Activity related to the particular COE
3.	Dr. D. Sivaprahasam	Scientist-D	.... Do ...
Total No. of Employees in the COE			03

21.CENTRE FOR KNOWLEDGE MANAGEMENT OF NANOSCIENCE & TECHNOLOGY (CKMNT)

Sl.No.	Name of the Employee	Designation	Powers & Duties
1	Dr. S.V. Joshi	Additional Director	Overall Incharge of the Centre
2.	H. Purushotham	Scientist-G Team Leader	Incharge of the COE
Total Number of Employees			02

C. DELEGATION OF POWERS TO CFAO & APO:

1. CFAO is now authorized to give final approval to all bill passing cases of value less than Rs. 50,000/- irrespective of whether the case belongs to operating fund, sponsored fund or technology fund.
2. In addition, CFAO and CAPO will be authorized to provide final approval to statutory Payment Notes like, Payment of monthly electricity bill to APSEB, water charges, telephone bills, salary rentals, fellowship stipend etc. irrespective of case value. All these cases can be raised only by designated personnel in Finance and Admin. and put up to CFAO/CAPO for final approval & payment.

- iii) **The procedure followed in the decision making process, including channels of supervision and accountability:**

I) SPECIAL PROCUREMENT COMMITTEE (SPC):

The following committee will consider and approve all the items costing

` 10.00 lakhs and above (including Capital Items, Consumables, Spares, AMCs etc.)

1)	Dr. G. Sundararajan, Director, ARCI	-	Chairman
2)	Dr. S.V. Joshi, Additional Director	-	Member
3)	Dr. G. Padmanabham, Associate Director	-	Member
4)	Mr. R. Vijay Kumar, CFAO	-	Member
5)	Mr. R. Prabhakara Rao, CAPO	-	Member
6)	Mr. N. Srinivas, SPO	-	Convenor

Dr. A.S. Joshi, Consultant will be a special invitee. The quorum for the committee will be at least 50% of the members and will compulsorily include Chairman, CFAO and SPO. In addition to the above two more Senior Scientists will be co-opted on rotation basis for each meeting

II) LOCAL PROCUREMENT (LP) COMMITTEES:

LP-I will consider and approve all cases upto ` 10.00 lakhs of Operation Fund and S&T funds.

a) LP-I:

1)	Dr. S.V. Joshi, Additional Director	-	Chairman
2)	Sri H. Purushotham, Scientist-'G'	-	Member
3)	Dr. T.N. Rao, Scientist `F'	-	Member
4)	Dr. Roy Johnson, Scientist `F'	-	Member
5)	Dr. G. Ravi Chandra, Scientist `F'	-	Member
6)	Sri D.S. Rao, Scientist `F'	-	Member
7)	Dr. B.P. Saha, Scientist `E'	-	Member
8)	Mr. R. Vijay Kumar, CFAO	-	Member
9)	Mr. N. Srinivas, SPO	-	Convenor

LP-II and LP-III will consider and approve all cases above ` 50000 upto ` 2.00 lakhs of Operation Fund and upto ` 5.00 lakhs of S&T funds. In respect of cases of ` 2.00 lakhs of OP Fund and above and upto ` 10.00 lakhs of S&T funds, the LP-II & LP-III will consider and recommend the cases for final approval by Director.

b) LP-II:

1)	Dr. G. Padmanabham, Associate Director	-	Chairman
2)	Dr. Roy Johnson, Scientist `F'	-	Member

- | | | |
|----|----------------------------------|------------|
| 3) | Dr. P.K. Jain, Scientist `F' | - Member |
| 4) | Sri V. Balaji Rao, Scientist `F' | - Member |
| 5) | Dr. R. Vijay, Scientist `F' | - Member |
| 6) | Dr. R. Subasri, Scientist `E' | - Member |
| 7) | Sri R. Vijay Kumar, CFAO | - Member |
| 8) | Sri N. Srinivas, SPO | - Convenor |

c) LP-III: Committee sits at our Chennai facility

- | | | |
|----|---|-------------------|
| 1) | Dr. K.S. Dhathathreyan, Associate Director | - Chairman |
| 2) | Dr. R. Gopalan, Scientist `G' | - Member |
| 3) | Sri R. Vijay Kumar, CFAO | - Member |
| 4) | Dr. N. Rajalakshmi, Senior Scientist | - Member |
| 5) | Dr. T. Mohan, Senior Scientist | - Member |
| 6) | Sri P. Sampat Kumar | - Convenor |

d) LP-GEN:

LP-GEN will consider & approve all Operation Fund LP Cases between

` 50,000 and ` 2.00 lakhs, all Electrical, Civil, Office Furniture, Office Equipment & Air Conditioners. Director will accord final approval in respect of cases above ` 2.00 lakhs on the recommendation of LP-GEN.

- | | | |
|----|---|-------------------|
| 1) | Dr. G. Padmanabham, Associate Director | - Chairman |
| 2) | Sri V. Balaji Rao, Scientist `F' | - Member |
| 3) | Dr. Malobika Karanjai Scientist `E' | - Member |
| 4) | Sri S.M. Shariff, Scientist `E' | - Member |
| 5) | Sri R. Vijay Kumar, CFAO | - Member |
| 6) | Sri P. Rama Krishna Reddy, T.O. 'C' | - Member |
| 7) | Sri Ch. Sambasiva Rao, T.O. 'B' | - Member |
| 8) | Sri N. Srinivas, SPO | - Convenor |

The quorum for the committee will be at least 50% of the members and will compulsorily include Chairman, CFAO and SPO.

III STANDING PURCHASE COMMITTEES (STPC):

a) STPC-I for Centre for Nano Materials:

- | | | |
|----|-------------------------------------|-------------------|
| 1) | Dr. T.N. Rao, Scientist `F' | - Chairman |
| 2) | Dr. R. Vijay, Scientist `F' | - Member |
| 3) | Sri R. Senthil Kumar, Scientist `D' | - Member |
| 4) | Sri G.M. Raj Kumar, Officer 'B' | - Member |

b) STPC-II for Centre for Engineered Coatings:

- | | | | |
|----|----------------------------------|---|----------|
| 1) | Sri D.S. Rao, Scientist `F' | - | Chairman |
| 2) | Sri G. Siva kumar, Scientist `E' | - | Member |
| 3) | Sri D.C. Jana, Scientist `D' | - | Member |
| 4) | Sri N. Srinivas, SPO | - | Member |
| 5) | Sri G.M. Raj Kumar, Officer 'B' | - | Member |

c) **STPC-III for Centre for Laser Processing of Materials:**

- | | | | |
|----|--|---|----------|
| 1) | Dr. G. Padmanabham, Associate Director - | | Chairman |
| 2) | Sri N. Srinivas, SPO | - | Member |
| 3) | Dr. R. Vijay, Scientist `F' | - | Member |
| 4) | Dr. Ravi Bathe, Scientist `E' | - | Member |
| 5) | Sri G.M. Raj Kumar, Officer 'B' | - | Member |

d) **STPC-IV for Centre for Ceramic Processing:**

- | | | | |
|----|-----------------------------------|---|----------|
| 1) | Dr. Roy Johnson, Scientist `F' | - | Chairman |
| 2) | Dr. B.P. Saha, Scientist `E' | - | Member |
| 3) | Dr. Joydip Joardar, Scientist `E' | - | Member |
| 4) | Mr. N. Srinivas, SPO | - | Member |
| 5) | Sri G.M. Raj Kumar, Officer 'B' | - | Member |

e) **STPC-V for Centre for Silicon Carbide:**

- | | | | |
|----|---------------------------------|---|----------|
| 1) | Dr. B.P. Saha, Scientist `E' | - | Chairman |
| 2) | Sri D.C. Jana, Scientist `D' | - | Member |
| 3) | Mrs. J. Revathi, Scientist `C' | - | Member |
| 4) | Sri N. Srinivas, SPO | - | Member |
| 5) | Sri G.M. Raj Kumar, Officer 'B' | - | Member |

f) **STPC-VI for Centre for Carbon Materials:**

- | | | | |
|----|---|---|----------|
| 1) | Dr. P.K. Jain, Scientist `F' | - | Chairman |
| 2) | Sri K.V. Phani Prabhakar, Scientist `E' | - | Member |
| 3) | Sri S.B. Chandrasekhar, Scientist `D' | - | Member |
| 4) | Sri N. Srinivas, SPO | - | Member |
| 5) | Sri B. Anirban, Officer 'B' | - | Member |

g) **STPC-VIII for Centre for Material Characterization:**

- | | | | |
|----|--|---|----------|
| 1) | Dr. G. Ravichandra, Scientist `F' | - | Chairman |
| 2) | Dr. Neha Yeshwanta Hebalkar, Scientist `D' | - | Member |
| 3) | Sri P. Suresh Babu, Scientist `D' | - | Member |
| 4) | Sri N. Srinivas, SPO | - | Member |
| 5) | Sri Anirban Bhattacharjee , Officer-B | | Member |

h) **STPC-IX for Centre Centre for Sol-Gel Coatings:**

- | | | | |
|----|--------------------------------------|---|-----------------|
| 1) | Dr. R. Subasri, Scientist `E` | - | Chairman |
| 2) | Sri K. Murugan, Scientist `D` | - | Member |
| 3) | Sri Pandu Ramavath, Scientist-C | - | Member |
| 4) | Sri N. Srinivas, SPO | - | Member |
| 5) | Sri Anirban Bhattacharjee, Officer-B | - | Member |

All the cases will be routed through Circulation only and no meeting is required for STPC.

i) The norms set by it for the discharge of its functions:

Statement showing the Various Committees constituted in ARCI for procurement of Equipments/Materials with Monetary limits fixed for each Committee								
Sno	Name of the Committee	Short Name	Chairman	No of Members	Monetary Limit (Rs)	Competent Authority		
					OP Fund	S&T Fund	Recommending	Final Approval
1	Special Procurement Committee	SPC	Director	Chairman + 5 and two Co-opted members	Above ` 10 Lakhs	Above ` 10 Lakhs	Director	Director
2	Local Procurement Committee-1	LP-1	Additional Director	Chairman + 8	Between ` 50000 to ` 10 Lakhs	Between ` 50000 to ` 10 Lakhs	Additional Director	Additional Director
3	Local Procurement Committee-II	LP-II	Associate Director	Chairman + 7	Between ` 50000 to ` 02 Lakhs	Between ` 50000 to ` 05 Lakhs	Associate Director	Associate Director
					Above ` 02 Lakhs upto ` 10 Lakhs	Above ` 05 Lakhs upto ` 10 Lakhs	Associate Director	Director
4	Local Procurement Committee-III	LP-III	Associate Director	Chairman + 5	Between ` 50000 to ` 02 Lakhs	Between ` 50000 to ` 05 Lakhs	Associate Director	Associate Director
					Above ` 02 Lakhs upto ` 10 Lakhs	Above ` 05 Lakhs upto ` 10 Lakhs	Associate Director	Director

5	Local Procurement Committee -General	LP – Gen	Associate Director	Chairman + 7	Between ₹ 50000 to ₹ 02 Lakhs	-----	Associate Director	Associate Director
					Above ₹ 02 Lakhs upto ₹ 10 Lakhs	-----	Associate Director	Director
6	Standing Purchase Committee -I	STPC-I	Team Leader of the respective Centre	Chairman + 4	Up to ₹ 50000	Up to ₹ 50000	Team Leader	Team Leader
7	Standing Purchase Committee -II	STPC-II	Team Leader of the respective Centre	Chairman + 4	Up to ₹ 50000	Up to ₹ 50000	Team Leader	Team Leader
8	Standing Purchase Committee -III	STPC-III	Associate Director	Chairman + 4	Up to ₹ 50000	Up to ₹ 50000	Team Leader	Team Leader
09	Standing Purchase Committee -IV	STPC-IV	Team Leader of the respective Centre	Chairman + 4	Up to ₹ 50000	Up to ₹ 50000	Team Leader	Team Leader
10	Standing Purchase Committee -V	STPC-V	Team Leader of the respective Centre	Chairman + 4	Up to ₹ 50000	Up to ₹ 50000	Team Leader	Team Leader
11	Standing Purchase Committee -VI	STPC-VI	Team Leader of the respective Centre	Chairman + 4	Up to ₹ 50000	Up to ₹ 50000	Team Leader	Team Leader
12	Standing Purchase Committee -VIII	STPC-VIII	Team Leader of the respective Centre	Chairman + 4	Up to ₹ 50000	Up to ₹ 50000	Team Leader	Team Leader
13	Standing Purchase Committee -IX	STPC-IX	Team Leader of the respective Centre	Chairman + 4	Up to ₹ 50000	Up to ₹ 50000	Team Leader	Team Leader

(v) The rules, regulations, instructions, manuals and records, held by it or under its control or used by its employees for discharging its functions:

- (1) Rules & Regulations
- (2) Staff Rules,
- (3) Bye laws
- (4) Memorandum of Association,

(vi) A statement of the categories of documents that are held by it or under its control:

- (1) Rules & Regulations
- (2) Staff Rules,
- (3) Bye laws
- (4) Memorandum of Association,

H. The particulars of any arrangement that exists for consultation with, or representation by, the members of the public in relation to the Formulation of its policy or implementation thereof:

ARCI is an R & D Unit, hence there is no direct public dealing. All the information is disclosed in ARCI website.

(viii) A statement of the boards, councils, committees and other bodies consisting of two or more persons constituted as its part for the purpose of its advise, and as to whether meetings of those boards, councils, committees and other bodies are open to the public, or the minutes of such meetings are accessible for public:

Governing Council (GC)	Not open or accessible to the public
Technical Advisory Board (TAB)	

H. A Directory of its Officers and Employees:

Sl.No	Emp. Code	Name of the Employee	Designation
1.	143	Sundararajan G Dr.	Director
2.	139	Shrikant V Joshi Dr.	Additional Director
3.	198	Dr. G Padmanabham	Associate Director
4.	146	Dhathathreyan K S Dr.	Associate Director
5.	117	H. Purushotham	Scientist "G"
6.	201	Dr. Raghavan Gopalan	Scientist "G"
7.	147	Narasinga Rao T Dr.	Scientist "F"
8.	54	Roy Johnson Dr.	Scientist "F"
9.	166	Ravi Chandra G Dr.	Scientist "F"
10.	36	Pawan Kumar Jain Dr.	Scientist "F"
11.	69	Srinivasa Rao D.	Scientist "F"
12.	6	Balaji Rao V.	Scientist "F"
13.	92	Vijay R Dr.	Scientist "F"
14.	197	Pramod H. Borse Dr.	Scientist "E"
15.	8	Bhaskar Prasad Saha	Scientist "E"
16.	172	Dr. R Subasri	Scientist "E"
17.	51	Ravi N.	Scientist "E"
18.	71	Srinivasa Rao Y. Dr.	Scientist "E"
19.	199	Shanmugasundaram Sakthivel Dr.	Scientist "E"
20.	95	Malobika Karanjai Ms.Dr.	Scientist "E"
21.	127	Rama Krishna. L Dr.	Scientist "E"
22.	118	Sanjay Bhardwaj	Scientist "E"
23.	120	Ganesh I Dr.	Scientist "E"
24.	175	Dr.Joydip Joardar	Scientist "E"
25.	37	Phani Prabhakar K. V.	Scientist "E"
26.	121	Shakti Prakash Mishra	Scientist "E"
27.	119	Siva Kumar G	Scientist "E"
28.	132	Shariff S.M.	Scientist "E"
29.	148	Ravi Nathuram Bathe Dr.	Scientist "E"
30.	194	Dr. (Mrs.) BV Sarada	Scientist "E"
31.	133	Siva Prahasam D	Scientist "E"
32.	128	Chandrasekhar S.B.	Scientist "D"
33.	203	Sanjay R. Dhage Dr.	Scientist "D"
34.	155	Dibyendu Chakravarty Dr.	Scientist "D"
35.	151	Nitin P Wasekar Dr.	Scientist "D"
36.	174	Dr. Neha Yeshwanta Hebalkar	Scientist "D"
37.	149	Kaliyan Hembram	Scientist "D"
38.	152	Murugan K	Scientist "D"
39.	153	Dulal Chandra Jana	Scientist "D"
40.	157	Suresh Babu P	Scientist "D"
41.	195	Dr. Krishna Valleti	Scientist "D"
42.	169	R Senthil Kumar	Scientist "D"
43.	196	M. Buchi Suresh Dr.	Scientist "D"
44.	35	Nirmala S. Ms.	Scientist "D"

45.	200	S. Kumar Dr.	Scientist "C"
46.	74	Sudhakara Sarma S.	Scientist "C"
47.	170	Pandu Ramavath	Scientist "C"
48.	176	Ms. J. Revathi	Scientist "C"
49.	178	Ms. Priya Anish Mathews	Scientist "C"
50.	179	Prasenjith Barick	Scientist "C"
51.	180	Manish Tak	Scientist "C"
52.	181	Naveen Manhar Chavan	Scientist "C"
53.	182	M.Ramakrishna	Scientist "C"
54.	183	Balaji Padya	Scientist "C"
55.	185	Ms. Papiya Biswas	Scientist "C"
56.	186	Gururaj Telasang	Scientist "C"
57.	187	Seetharaman Arun	Scientist "C"
58.	204	Dr. Easwaramoorthi Ramasamy	Scientist "C"
59.	135	Vijaya Chandar R	Scientist "C"
60.	159	Mr. L. Venkatesh	Scientist "B"
61.	5003	Dr. T. Mohan	Senior Scientist (Contract)
62.	5004	K. Suresh Dr.	Senior Scientist (Contract)
63.	5007	Dr. Raju Prakash	Senior Scientist (Contract)
64.	5009	Dr. Prabhu Delhi Babu	Scientist (Contract)
65.	5010	Dr. Srinivasan Anandan	Senior Scientist (Contract)
66.	5011	Dr. M.B. Sahana	Scientist (Contract)
67.	5012	Dr. N. Rajalakshmi	Sr. Scientist (Contract)
68.	5013	Dr. K. Ramya	Sr. Scientist (Contract)
69.	168	Vijay Kumar R	Chief Finance & Accounts Officer
70.	144	Prabhakara Rao R	Chief Admin. & Personnel Officer
71.	138	S. Jagan Mohan Reddy	Security & Fire Officer
72.	9	Debajyoti Sen	Technical Officer 'D'
73.	43	Rama Chandra Somaraju K.	Technical Officer 'D'
74.	20	Jyothirmayi A.	Technical Officer 'D'
75.	77	Uma V. Ms.	Technical Officer 'C'
76.	56	Sajeev V.C.	Technical Officer 'C'
77.	83	Venkata Ramana Reddy G.	Technical Officer 'C'
78.	44	Rama Krishna Reddy P.	Technical Officer 'C'
79.	31	Mahender V.	Technical Officer 'B'
80.	22	Karunakar Chintamadaka	Technical Officer 'B'
81.	57	Sambasiva Rao Ch.	Technical Officer 'B'
82.	70	Srinivasa Rao K.	Technical Officer 'B'
83.	98	Sreenivas Reddy D.	Technical Officer 'B'
84.	67	Srinivas M.	Technical Officer 'B'
85.	85	Venkata Rao N.	Technical Officer 'B'
86.	99	Srihari M.	Technical Officer 'B'
87.	64	Shalini B. V. Ms.	Technical Officer 'B'
88.	33	Nagabhushana Chary J.	Technical Officer 'A'
89.	42	Raja Shekhar Reddy A.	Technical Officer 'A'
90.	100	Srinivas A. R.	Technical Officer "A"

91.	160	Anbu Rasu E	Tech. Officer "A"
92.	161	Sankar Ganesh S	Tech. Officer "A"
93.	167	K Naresh Kumar	Tech. Officer "A"
94.	171	M Ilaiyaraja	Tech. Officer "A"
95.	68	Srinivas P. V. V.	Technical Officer "A"
96.	49	K. Ramesh Reddy	Technical Assistant-B
97.	193	N. Srinivas	Stores & Purchase Officer
98.	202	P. Nagendra Rao	Staff Officer to Director
99.	3	Anirban Bhattacharjee	Officer Gr. 'B'
100.	41	Raj Kumar G. M.	Officer Gr. 'B'
101.	66	Srinivas A.	Officer Gr. 'B'
102.	108	Aparna Rao N. Ms.	Officer Gr. 'B'
103.	90	Venugopal Poduri	Officer Gr. 'A'
104.	26	Krishna Sarma Y.	Officer Gr. 'A'
105.	48	Ramesh Reddy G.	Officer Gr. 'A'
106.	76	Uday Kumar B	Officer Gr. 'A'
107.	21	Kamal Vaishali P. Ms.	Officer Gr. 'A'
108.	82	Venkata Ramana Pothuri	Officer Gr. 'A'
109.	63	Shakunthala K. Ms	Assistant Gr. 'B'
110.	89	Venu T.	Assistant Gr. 'B'
111.	10	Dharma Rao P	Assistant Gr. 'B'
112.	12	Gopal Rao G.	Assistant Gr. 'B'
113.	29	Laxman B.	Assistant Gr. 'B'
114.	105	Rajalakshmi Nair Ms.	Assistant Gr. 'B'
115.	52	Ravi Singh	Assistant Gr. 'B'
116.	188	N.Aruna	Technical Assistant "A"
117.	189	Renju. M. R	Technical Assistant "A"
118.	190	Gireesh Kumar TK	Technical Assistant "A"
119.	191	Anbarasu R.	Technical Assistant "A"
120.	30	K. Madura Vani	Assistant-A
121.	104	Narendra Kumar Bhakta	Assistant-A
122.	78	Vasantha Rayudu K.V.B.	Technician 'C'
123.	79	Venkanna B.	Technician 'C'
124.	84	Venkata Rao G.	Technician 'C'
125.	25	Krishna Sagar D.	Technician 'C'
126.	23	Konda E.	Technician 'C'
127.	4	Anjaiah P.	Technician 'C'
128.	59	Sathyanarayana A.	Technician 'C'
129.	72	Subba Rao K.	Technician 'C'
130.	75	Surya Prakash Rao D. P.	Technician 'C'
131.	28	Kutumba Rao D.	Technician 'C'
132.	39	Praveen Kumar A.	Technician 'C'
133.	102	Venkat Reddy G.	Technician 'C'
134.	73	Subramanyeswara Rao B.	Technician 'C'
135.	91	Vigneswara Rao K.	Technician 'C'
136.	61	Satyanarayana Reddy K.	Technician 'C'
137.	19	JayaKumaran Thampi A.	Technician 'C'
138.	46	Ramesh A.	Technician 'C'

139.	18	Janga Reddy A.	Technician 'C'
140.	81	Venkata Ramana Kurra	Technician 'C'
141.	86	Venkateswara Rao Ch.	Technician 'C'
142.	88	Venkateswara Rao J.	Technician 'C'
143.	15	Govinda Kumar	Technician 'B'
144.	60	Satyanand M.	Technician "B"
145.	101	Sushanta Mukhopadhyay	Technician "B"
146.	109	P. Suri Babu	Technician "B"
147.	17	Jagan A.	Technician "B"
148.	110	Anjan Babu G.	Technician "B"
149.	94	B. Hemanth Kumar	Technician "B"
150.	114	Prabhu I.	Technician "A"
151.	32	Manikya Prabhu D.	Technician "A"
152.	97	Shaik Ahmed	Technician "A"
153.	111	Ashok K.	Technician 'A'
154.	112	Shyam Rao J.	Technician 'A'
155.	113	Yadagiri E.	Technician 'A'
156.	38	Prabir Kumar Mukhopadhyay	Technician 'A'
157.	115	Jangaiah Ch.	Technician 'A'
158.	34	Narsing Rao S.	Technician 'A'
159.	142	Lingaiah Mothe	Technician 'A'
160.	55	Sadiq MD	Driver-C
161.	5	P. Ashok	Driver-B
162.	62	T. Satyanarayana	Driver-B
163.	93	M.A. Fazal Hussain	Driver-B
164.	7	J. Bansilal	Jr. Assistant
165.	2	Aan Singh	Lab Assistant 'C'
166.	103	Gaje Singh	Lab Assistant 'C'
167.	16	Hussain Ali Khan	Lab Assistant 'C'
168.	53	Roop Singh	Lab Assistant 'C'

(x) the budget allocated to each of its agency, indicating the particulars of all plans, proposed expenditure and reports on disbursement made :

Year	Amount
2006-07	Rs. 31.00 Crores
2007-08	Rs. 39.00 Crores
2008-09	Rs. 47.63 Crores
2009-10	Rs. 45.60 Crores
2010-11	Rs. 45.40 Crores
2011-12	Rs. 53.20 Crores
2012-13	Rs. 49.01 Crores

- (xi) The monthly remuneration received by each of its officers and employees including the system of compensation as provided in its regulation:

SL. No	Emp. Code	Name of the Employee	Designation	Pay Band & Grade Pay as per 6th Pay
1	143	Sundararajan G Dr.	Director	HAG 67000-79000
2	139	Shrikant V Joshi Dr.	Additional Director	PB-4 Rs. 37400-67000 + GP Rs.10,000
3	146	Dhathathreyan K S Dr.	Associate Director	PB-4 Rs.37400-67000 + GP Rs.10,000
4	198	Dr. G Padmanabham	Associate Director	PB-4 Rs. 37400-67000 + GP Rs.10,000
5	117	H. Purushotham	Scientist "G"	PB-4 Rs. 37400-67000 + GP Rs.10,000
6	201	Dr. Raghavan Gopalan	Scientist "G"	PB-4 Rs. 37400-67000 + GP Rs.10,000
7	147	Dr. Tata Narsinga Rao	Scientist "F"	PB-4 Rs.37400-67000 +GP Rs.8,900
8	54	Roy Johnson Dr.	Scientist "F"	PB-4 Rs.37400-67000 +GP Rs.8,900
9	166	Ravi Chandra G Dr.	Scientist "F"	PB-4 Rs.37400-67000 +GP Rs.8,900
10	36	Pawan Kumar Jain Dr.	Scientist "F"	PB-4 Rs.37400-67000 +GP Rs.8,900
11	69	Srinivasa Rao D.	Scientist "F"	PB-4 Rs.37400-67000 +GP Rs.8,900
12	6	Balaji Rao V.	Scientist "F"	PB-4 Rs.37400-67000 +GP Rs.8,900
13	92	Vijay R Dr.	Scientist "F"	PB-4 Rs.37400-67000 +GP Rs.8,900
14	197	Pramod H. Borse Dr.	Scientist "E"	PB-4 Rs.37400-67000 +GP Rs.8,700
15	8	Dr. Bhaskar Prasad Saha	Scientist "E"	PB-4 Rs.37400-67000 +GP Rs.8,700
16	172	Dr. R Subasri	Scientist "E"	PB-4 Rs.37400-67000 +GP Rs.8,700
17	51	Ravi N.	Scientist "E"	PB-4 Rs.37400-67000 +GP Rs.8,700
18	71	Srinivasa Rao Y. Dr.	Scientist "E"	PB-4 Rs.37400-67000 +GP Rs.8,700
19	199	Dr. S. Sakthivel	Scientist "E"	PB-4 Rs.37400-67000 +GP Rs.8,700
20	95	Malobika Karanjai Ms.Dr.	Scientist "E"	PB-4 Rs.37400-67000 +GP Rs.8,700

21	127	Rama Krishna. L Dr.	Scientist "E"	P PB-4 Rs.37400-67000 +GP Rs.8,700
22	175	Dr.Joydip Joardar	Scientist "E"	PB-4 Rs.37400-67000 +GP Rs.8,700
23	118	Sanjay Bhardwaj	Scientist "E"	PB-4 Rs.37400-67000 +GP Rs.8,700
24	120	Ganesh I Dr.	Scientist "E"	PB-4 Rs.37400-67000 +GP Rs.8,700
25	37	Phani Prabhakar K. V.	Scientist "E"	PB-4 Rs.37400-67000 +GP Rs.8,700
26	121	Shakti Prakash Mishra	Scientist "E"	PB-4 Rs.37400-67000 +GP Rs.8,700
27	119	Siva Kumar G	Scientist "E"	PB-4 Rs.37400-67000 +GP Rs.8,700
28	132	Shariff S.M.	Scientist "E"	PB-4 Rs.37400-67000 +GP Rs.8,700
29	133	Dr Siva Prahasam D	Scientist "E"	PB-4 Rs.37400-67000 +GP Rs.8,700
30	148	Ravi Nathuram Bathe Dr.	Scientist "E"	PB-4 Rs.37400-67000 +GP Rs.8,700
31	194	Dr. (Mrs.) BV Sarada	Scientist "E"	PB-4 Rs.37400-67000 +GP Rs.8,700
32	128	Chandrasekhar S.B.	Scientist "D"	PB-3 Rs.15600-39100 + GP Rs.7600
33	203	Dr. Sanjay R. Dhage	Scientist "D"	PB-3 Rs.15600-39100 + GP Rs.7600
34	151	Nitin P Wasekar Dr.	Scientist "D"	PB-3 Rs.15600-39100 + GP Rs.7600
35	155	Dibyendu Chakravarty	Scientist "D"	PB-3 Rs.15600-39100 + GP Rs.7600
36	174	Dr. Neha Yeshwanta Hebalkar	Scientist "D"	PB-3 Rs.15600-39100 + GP Rs.7600
37	149	Kaliyan Hembram	Scientist "D"	PB-3 Rs.15600-39100 + GP Rs.7600
38	152	Dr. Murugan K	Scientist "D"	PB-3 Rs.15600-39100 + GP Rs.7600
39	153	Dulal Chandra Jana	Scientist "D"	PB-3 Rs.15600-39100 + GP Rs.7600
40	157	Suresh Babu P	Scientist "D"	PB-3 Rs.15600-39100 + GP Rs.7600
41	195	Dr. Krishna Valleti	Scientist "D"	PB-3 Rs.15600-39100 + GP Rs.7600
42	169	R Senthil Kumar	Scientist "D"	PB-3 Rs.15600-39100 + GP Rs.7600
43	196	M. Buchi Suresh Dr.	Scientist "D"	PB-3 Rs.15600-39100 + GP Rs.7600
44	35	Nirmala S. Ms.	Scientist " "D"	PB-3 Rs.15600-39100 + GP Rs.7600
45	200	S. Kumar Dr.	Scientist "C"	PB-3 Rs.15600-39100 + GP

				Rs.6600
46	74	Sudhakara Sarma S.	Scientist "C"	PB-3 Rs.15600-39100 + GP Rs.6600
47	170	Pandu Ramavath	Scientist "C"	PB-3 Rs.15600-39100 + GP Rs.6600
48	176	Ms. J. Revathi	Scientist "C"	PB-3 Rs.15600-39100 + GP Rs.6600
49	178	Ms. Priya Anish Mathews	Scientist "C"	PB-3 Rs.15600-39100 + GP Rs.6600
50	179	Prasenjit Barick	Scientist "C"	PB-3 Rs.15600-39100 + GP Rs. 6600
51	180	Manish Tak	Scientist "C"	PB-3 Rs.15600-39100 + GP Rs.6600
52	181	Naveen Manhar Chavan	Scientist "C"	PB-3 Rs.15600-39100 + GP Rs. 6600
53	182	M.Ramakrishna	Scientist "C"	PB-3 Rs.15600-39100 + GP Rs. 6600
54	183	Balaji Padya	Scientist "C"	PB-3 Rs.15600-39100 + GP Rs. 6600
55	185	Ms. Papiya Biswas	Scientist "C"	PB-3 Rs.15600-39100 + GP Rs. 6600
56	186	Gururaj Telasang	Scientist "C"	PB-3 Rs.15600-39100 + GP Rs. 6600
57	187	Seetharaman Arun	Scientist "C"	PB-3 Rs.15600-39100 + GP Rs.6600
58	204	Dr. Easwaramoorthi Ramasamy	Scientist "C"	PB-3 Rs.15600-39100 + GP Rs.6600
59	135	Vijaya Chandar R	Scientist "C"	PB-3 Rs.15600-39100 + GP Rs.6600
60	159	L. Venkatesh	Scientist "B"	PB-3 Rs.15600-39100 + GP Rs.5400
61	168	Vijay Kumar R	Chief Finance & Accounts Officer	PB-4 Rs.37400-67000 +GP Rs.8,700
62	144	Prabhakara Rao R	Chief Admin. & Personnel Officer	PB-4 Rs.37400-67000 +GP Rs.8,700
63	138	Jagan Mohan Reddy S	Security & Fire Officer	PB-3 Rs.15600-39100 + GP Rs.7600
64	9	Debajyoti Sen	Technical Officer 'D'	PB-3 Rs.15600-39100 + GP Rs.7600
65	43	Rama Chandra Somaraju K.	Technical Officer 'D'	PB-3 Rs.15600-39100 + GP Rs.7600
66	20	Jyothirmayi A.	Technical Officer 'D'	PB-3 Rs.15600-39100 + GP Rs.7600
67	77	Uma V. Ms.	Technical Officer 'C'	PB-3 Rs.15600-39100 + GP Rs.6600
68	83	Venkata Ramana Reddy G.	Technical Officer 'C'	PB-3 Rs.15600-39100 + GP Rs.6600

69	56	Sajeev V.C.	Technical Officer 'C'	PB-3 Rs.15600-39100 + GP Rs.6600
70	44	Rama Krishna Reddy P.	Technical Officer 'B'	PB-3 Rs.15600-39100 + GP Rs.6600
71	31	Mahender V.	Technical Officer 'C'	PB-3 Rs.15600-39100 + GP Rs.6600
72	70	Srinivasa Rao K.	Technical Officer 'B'	PB-3 Rs.15600-39100 + GP Rs.5400
73	57	Sambasiva Rao Ch.	Technical Officer 'B'	PB-3 Rs.15600-39100 + GP Rs.5400
74	22	Karunakar Chintamadaka	Technical Officer 'B'	PB-3 Rs.15600-39100+ GP Rs. 5400
75	98	Sreenivas Reddy D.	Technical Officer 'B'	PB-3 Rs.15600-39100 + GP Rs.5400
76	67	Srinivas M.	Technical Officer 'B'	PB-3 Rs.15600-39100 + GP Rs.5400
77	99	Srihari M.	Technical Officer 'B'	PB-3 Rs.15600-39100 + GP Rs.5400
78	85	N. Venkata Rao	Technical Officer "B"	PB-3 Rs.15600-39100 + GP Rs.5400
79	64	Shalini B. V. Ms.	Technical Officer 'B'	PB-3 Rs.15600-39100 + GP Rs.5400
80	33	Nagabhushana Chary J.	Technical Officer 'A'	PB-2 Rs.9300 -34800 + GP Rs.4600
81	42	Raja Shekhar Reddy A.	Technical Officer 'A'	PB-2 Rs.9300 -34800 + GP Rs.4600
82	100	Srinivas A. R.	Technical Officer "A"	PB-2 Rs.9300 -34800 + GP Rs.4600
83	160	Anbu Rasu E	Technical Officer- "A"	PB-2 Rs.9300 -34800 + GP Rs.4600
84	161	Sankar Ganesh S	Technical Officer- "A"	PB-2 Rs.9300 -34800 + GP Rs.4600
85	167	K Naresh Kumar	Technical Officer- "A"	PB-2 Rs.9300 -34800 + GP Rs.4600
86	171	M Ilaiyaraja	Technical Officer- "A"	PB-2 Rs.9300 -34800 + GP Rs.4600
87	49	Ramesh Reddy K.	Technical Officer "A"	PB-2 Rs.9300 -34800 + GP Rs.4600
88	68	Srinivas P. V. V.	Technical Officer "A"	PB-2 Rs.9300 -34800 + GP Rs.4600
89	193	N. Srinivas	Stores & Purchase Officer	PB-3 Rs.15600-39100 + GP Rs.6600
90	202	P. Nagendra Rao	Staff officer to Director	PB-3 Rs.15600-39100 + GP Rs.6600
91	3	Anirban Battcharjee	Officer Gr. 'B'	PB-3 Rs.15600-39100 + GP Rs.5400
92	41	GM Raj Kumar	Officer Gr. 'B'	PB-3 Rs.15600-39100 + GP Rs.5400

93	66	A. Srinivas	Officer Gr. 'B'	PB-3 Rs.15600-39100 + GP Rs.5400
94	108	Aparna Rao N. Ms.	Officer Gr. 'B'	PB-3 Rs.15600-39100 + GP Rs.5400
95	90	Venugopal Poduri	Officer Gr. 'A'	PB-2 Rs.9300 -34800 + GP Rs.4600
96	26	Krishna Sarma Y.	Officer Gr. 'A'	PB-2 Rs.9300 -34800 + GP Rs.4600
97	48	Ramesh Reddy G.	Officer Gr. 'A'	PB-2 Rs.9300 -34800 + GP Rs.4600
98	76	Uday Kumar B	Officer Gr. 'A'	PB-2 Rs.9300 -34800 + GP Rs.4600
99	21	Kamal Vaishali P. Ms.	Officer Gr A	PB-2 Rs.9300 -34800 + GP Rs.4600
100	82	Venkata Ramana Pothuri	Officer Gr A	PB-2 Rs.9300 -34800 + GP Rs.4600
101	63	Shakunthala K. Ms	Assistant Gr. 'B'	PB-2 Rs.9300 -34800 + GP Rs.4200
102	10	Dharma Rao P	Assistant Gr. 'B'	PB-2 Rs.9300 -34800 + GP Rs.4200
103	89	Venu T.	Assistant Gr. 'B'	PB-2 Rs.9300 -34800 + GP Rs.4200
104	12	Gopal Rao G.	Assistant Gr. 'B'	PB-2 Rs.9300 -34800 + GP Rs.4200
105	29	Laxman B.	Assistant Gr. 'B'	PB-2 Rs.9300 -34800 + GP Rs.4200
106	105	Rajalakshmi Nair Ms.	Assistant Gr. ' B'	PB-2 Rs.9300 -34800 + GP Rs.4200
107	52	Ravi Singh	Assistant Gr. ' B'	PB-2 Rs.9300 -34800 + GP Rs.4200
108	188	N.Aruna	Technical Assistant "A"	PB-2 Rs.9300 -34800 + GP Rs.4200
109	189	Renju. M. R	Technical Assistant "A"	PB-2 Rs.9300 -34800 + GP Rs.4200
110	190	Gireesh Kumar TK	Technical Assistant "A"	PB-2 Rs.9300 -34800 + GP Rs.4200
111	191	Anbarasu R.	Technical Assistant "A"	PB-2 Rs.9300 -34800 + GP Rs.4200
112	30	K. Madura Vani	Assistant Gr "A"	PB-1 Rs.5200 -20200 + GP Rs. 2800
113	104	Narendra Kumar Bhakta	Assistant Gr. "A"	PB-1 Rs.5200 -20200 + GP Rs. 2800
114	79	Venkanna B.	Technician 'C'	PB-2 Rs.9300 -34800 + GP Rs.4200
115	25	Krishna Sagar D.	Technician 'C'	PB-2 Rs.9300 -34800 + GP Rs.4200
116	78	Vasantha Rayudu K.V.B.	Technician 'C'	PB-2 Rs.9300 -34800 + GP Rs.4200
117	84	Venkata Rao G.	Technician 'C'	PB-2 Rs.9300 -34800 + GP

				Rs.4200
118	23	Konda E.	Technician 'C'	PB-2 Rs.9300 -34800 + GP Rs.4200
119	04	P. Anjaiah	Technician 'C'	PB-2 Rs.9300 -34800 + GP Rs.4200
120	59	Sathyanarayana A.	Technician 'C'	PB-2 Rs.9300 -34800 + GP Rs.4200
121	72	Subba Rao K.	Technician 'C'	PB-2 Rs.9300 -34800 + GP Rs.4200
122	75	Surya Prakash Rao D. P.	Technician 'C'	PB-2 Rs.9300 -34800 + GP Rs.4200
123	102	Venkat Reddy G.	Technician 'C'	PB-2 Rs.9300 -34800 + GP Rs.4200
124	19	JayaKumaran Thampi A.	Technician 'C'	PB-2 Rs.9300 -34800 + GP Rs.4200
125	28	Kutumba Rao D.	Technician 'C'	PB-2 Rs.9300 -34800 + GP Rs.4200
126	73	Subramanyeswara Rao B.	Technician 'C'	PB-2 Rs.9300 -34800 + GP Rs.4200
127	91	Vigneswara Rao K.	Technician 'C'	PB-2 Rs.9300 -34800 + GP Rs.4200
128	61	Satyanarayana Reddy K.	Technician 'C'	PB-2 Rs.9300 -34800 + GP Rs.4200
129	18	Janga Reddy A.	Technician 'C'	PB-2 Rs.9300 -34800 + GP Rs.4200
130	39	Praveen Kumar A.	Technician 'C'	PB-2 Rs.9300 -34800 + GP Rs.4200
131	46	Ramesh A.	Technician 'C'	PB-2 Rs.9300 -34800 + GP Rs.4200
132	81	Venkata Ramana Kurra	Technician 'C'	PB-1 Rs.5200 -20200 + GP Rs. 2800
133	86	Venkateswara Rao Ch.	Technician 'C'	PB-1 Rs.5200 -20200 + GP Rs. 2800
134	88	Venkateswara Rao J.	Technician 'C'	PB-1 Rs.5200 -20200 + GP Rs. 2800
135	15	Govinda Kumar	Technician 'B'	PB-1 Rs.5200 -20200 + GP Rs. 2800
136	60	Satyanand M.	Technician "B"	PB-1 Rs.5200 -20200 + GP Rs. 2800
137	94	Hemanth Kumar B.	Technician "B"	PB-1 Rs.5200 -20200 + GP Rs. 2800
138	101	Sushanta Mukhopadhyay	Technician "B"	PB-1 Rs.5200 -20200 + GP Rs. 2800
139	109	Suri Babu Pandit	Technician "B"	PB-1 Rs.5200 -20200 + GP Rs. 2800
140	110	Anjan Babu G.	Technician "B"	PB-1 Rs.5200 -20200 + GP Rs. 2800
141	17	Jagan A.	Technician "B"	PB-1 Rs.5200 -20200 + GP Rs. 2800

142	114	Prabhu I.	Technician "A"	PB-1 Rs.5200 -20200 + GP Rs. 2400
143	32	Manikya Prabhu D.	Technician "A"	PB-1 Rs.5200 -20200 + GP Rs. 2400
144	111	Ashok K.	Technician 'A'	PB-1 Rs.5200 -20200 + GP Rs. 2400
145	112	Shyam Rao J.	Technician 'A'	PB-1 Rs.5200 -20200 + GP Rs. 2400
146	113	Yadagiri E.	Technician 'A'	PB-1 Rs.5200 -20200 + GP Rs. 2400
147	38	Prabir Kumar Mukhopadhyay	Technician 'A'	PB-1 Rs.5200 -20200 + GP Rs. 2400
148	115	Jangaiah Ch.	Technician 'A'	PB-1 Rs.5200 -20200 + GP Rs. 2400
149	34	Narsing Rao S.	Technician 'A'	PB-1 Rs.5200 -20200 + GP Rs. 2400
150	97	Shaik Ahmed	Technician 'A'	PB-1 Rs.5200 -20200 + GP Rs. 2400
151	142	Lingaiah Mothe	Technician 'A'	PB-1 Rs.5200 -20200 + GP Rs. 2400
152	55	Sadiq Md.	Driver 'C'	PB-2 Rs.9300 -34800 + GP Rs.4200
153	5	Ashok P.	Driver 'B'	PB-1 Rs.5200 -20200 + GP Rs. 2800
154	62	Satyanarayana T.	Driver 'B'	PB-1 Rs.5200 -20200 + GP Rs. 2800
155	93	Fazal Hussain M. A.	Driver 'B'	PB-1 Rs.5200 -20200 + GP Rs. 2800
156	7	Bansilal J.	Jr. Assistant (MACP)	PB-1 Rs.5200 -20200 + GP Rs. 2800
157	2	Aan Singh	Lab Assistant 'C'	PB-1 Rs.5200 -20200 + GP Rs. 1900
158	53	Roop Singh	Lab Assistant 'C'	PB-1 Rs.5200 -20200 + GP Rs. 1900
159	103	Gaje Singh	Lab Assistant 'C'	PB-1 Rs.5200 -20200 + GP Rs. 1900
160	16	Hussain Ali Khan	Lab Assistant 'C'	PB-1 Rs.5200 -20200 + GP Rs. 1900
161	142	Lingaiah Mothe	Lab Assistant 'B'	PB-1 Rs.5200 -20200 + GP Rs. 1800
162	5003	Dr. T. Mohan	Senior Scientist (Contract)	Rs.77,400/- basic pay (consolidated)
163	5004	Dr. K. Suresh	Senior Scientist (Contract)	51,800/- basic pay (consolidated)
164	5007	Dr. Raju Prakash	Senior Scientist (Contract)	74,900/- basic pay (consolidated)

165	5009	Dr. Prabhu Delhi Babu	Scientist (Contract)	44,600/- basic pay (consolidated)
166	5011	Dr. M.B. Sahana	Scientist (Contract)	45,800/- Basic Pay (Consolidated)
167	5110	Dr. Srinivasan Anandan	Senior Scientist (Contract)	50,000/- basic pay (consolidated)
168	5012	Dr. N. Rajyalakshmi	Senior Scientist (Contract)	77,400/- basic pay consolidated
169	5013	Dr. K. Ramya	Senior Scientist (Contract)	57,400/- basic pay consolidated

