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F. No._42-3/2011-Sectt.(IITs) Secretariat of the Council of IITs Technical Section – I

> Shastri Bhawan, New Delhi, Dated 1st November, 2011

Subject : Minutes of the 43rd Meeting of the Council of IITs.

The Minutes of the 43rd meeting of the Council of the IITs, under the chairmanship of Hon'ble HRM, held on 14th September, 2011 at the Senate Room of IIT Delhi, Hauz Khas, New Delhi-110 016 are forwarded herewith for information and necessary action.

Encl. : as above

(Yatendra Kumar) Under Secretary to the Govt. of India Tele # 011-2307 0660 e-mail : ustsone@yahoo.com

То

All the members of Council of IITs

Copy to :

- 1. PS to HRM
- 2. PS to MoS
- 3. PSO to Secretary (HE)
- 4. PSO to SS (TE)
- 5. Sr.PPS to JS&FA
- 6. PS to JS (IITs)

Minutes of the 43rd meeting of the Council of IITs held under the Chairmanship of Shri Kapil Sibal, Hon'ble Minister for Human Resource Development on 14th September, 2011 at IIT Delhi

The 43rd meeting of the Council of the Indian Institutes of Technology (IITs) was held under the chairmanship of Shri Kapil Sibal, Minister of Human Resource Development on 14th September, 2011 at IIT Delhi. The meeting was attended by Members of Parliament, Chairpersons and Directors of all IITs besides other scientists and technologists of eminence nominated on the Council. The list of participants is at <u>Annexure–1</u>.

Welcoming the participants the Chairman stated that the Indian Institutes of Technology have to emerge as institutions of global excellence to take India forward to the next generation of technology leadership. Two important reports ie road map for the autonomy of IITs by Dr Anil Kakodkar and single exam system for admissions into engineering insititution by Dr Ramasami were also discussed in the meeting.

The following decisions were taken item wise :

Item No.43.1: <u>To confirm the Minutes of the 42nd Meeting of the Council</u> of IITs held on 21.01.2011

The minutes of the 42nd meeting of the Council of IITs held on 21.1.2011 were circulated to all the members of the Council. The Minutes of the meeting were confirmed subject to amendment in item No. 42.2 wherein it was clarified by MHA that US\$ 25000 indicated was lower limit below which no one could be hired from abroad. It was felt that the matter may once again be taken up with MHA.

Item No. 43.2: <u>To Report Action Taken on the Minutes of the 42nd</u> <u>Meeting of the Council of IITs held on 21.01.2011</u>

It was brought to the notice of the Council that MHRD had taken up the matter to exempt lower limit of US\$ 25000 per annum for employment of foreign faculty in IITs. Ministry of Home Affairs however clarified that lower limit of US \$25000 is for protecting the lower end jobs in India below which no foreigner could be hired. Some Directors of IITs explained that they are facing problem in hiring of quality faculty at Assistant Professors level also in whose case salary is lower to US\$25000. After deliberations, it was decided that if MHRD receives specific case /cases from the Directors of IITs, matter will be re-visited with the MHA.

In connection with item No. 42.12, a presentation was made by Director IIT Kanpur, Prof. Sanjay Dhande, regarding the web-portal for IIT Council (<u>www.iitsystem.ac.in</u>) which would serve as a one stop point for information on all IITs. Information on faculty profile (papers published, PhDs guided/being guided, consultancies engaged in, courses teaching etc.), admission guidelines, faculty availability and vacancies and other details would be provided through the portal. It was suggested by the Council that the web portal should also emerge as a window for engagement with industry and academia within the country and abroad with the entire IIT system.

Rest of the actions taken were noted by the Council. The Chairman hoped that with the reconstitution of the Standing Committee of IIT Council (SCIC) for which a new item was being brought in meeting, the system of follow up of the decisions taken in the Council would be strengthened.

[Action: Directors of all IITs, MHRD]

Item No. 43.3: To report changes in the Membership of the Council

The Council welcomed the new members and placed on record its appreciation for the service rendered by the outgoing members.

Item No.43.4: Nomination of the Council in the BoG of IIT Bombay, Guwahati and Madras

The Council approved the list of eminent persons forwarded by the Chairmen of BoG of IIT Bombay, IIT Guwahati and IIT Madras for selection of members in respective Board of Governors, by the Council (Annexure – 2). It

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was suggested that the 'alumni' in the list should be highlighted so that they as a category could be consciously engaged.

[Action: Secretariat of the IIT Council]

Item No.43.5: Amendment to Clause 2(4) & Clause 2(13) of Statute providing quorum for the meeting of the Board of Governors of IITs.

In continuation of the Council of IITs decision in its 41st meeting held on 10.09.2010 to bring down the quorum from six members to five members and also to debar membership of those who do not attend two of the four meeting of the Board of Governors in one academic year, it was decided that relevant provision of the Statute may be amended requiring that a member shall not absent himself for more than two in any block of four meetings with or without leave of absence. However, the member can participate in the meeting through video-conferencing or tele-conferencing.

It was also suggested that the Board meetings should, in general, be held in the campus of the respective IITs so that the members could have personalized assessment of the activities in the campus.

[Action: BoGs of IITs]

<u>Item No.43.6</u>: Ratification to the appointment of Directors IIT Delhi and IIT <u>Roorkee</u>

The Council ratified the appointment of Prof. RK Shevgaonkar as the Director of IIT Delhi and Prof. Pradipta Banerji as the Director of IIT Roorkee.

Item No.43.7: Date of commencement of the term of the Council's nominees in the Board of Governors of IITs

As per practice hitherto, the term of nomination of three years of the Council nominees in the BoGs commences from the date of approval by the HRM. However, in one of the recent instances concerning an IIT, the meeting of

the Board of Governors was held in the ensuing period between the date on which HRM had granted approval and the receipt of acceptance of nomination from the new set of nominees. The Council deliberated upon the matter and decided that, henceforth, date of receipt of acceptance of membership by the Council nominees be taken as reference date for the commencement of the three year tenure.

[Action: Secretariat of the Council of IITs]

Item No.43.8: Minimum Qualification / requirement for appointment to the post of Director of IIT

The present eligibility conditions and methodology for selection of Directors of Indian Institutes of Technology was discussed in the meeting of the Council. There was a consensus that the post of Director of an IIT needs to be advertised globally so that not only greater transparency in the process of selection is maintained but the best of persons are nominated for consideration for the prestigious post. While the process of selection must be set in motion six months in advance, the Selection Committee constituted for the purpose may also resort to 'interaction' with the shortlisted candidates as suggested by Prof. Goverdhan Mehta. It was also felt that the requirement of 10 years' experience as a Professor in a reputed educational institution may be relaxed in case of an outstanding candidate.

It also approved that the Chairman with the Board of Governors should review bi- annually the performance of the Director for greater accountability and submit a report to the Council

[Action: Secretariat of the Council of IITs and BoGs of IITs]

Item No.43.9: Establishment of extension centre of IIT Delhi in Haryana

The Council approved the proposal of IIT Delhi to establish an extension centre in the NCR region of Haryana on land offered by the State Government.

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However, it was felt that it could be called "Centre of Excellence" instead of "Extension Centre" or "campus".

The proposal would help IIT Delhi in expansion of research facilities including the setting up of research park in the XII FYP considering the limitation of space at its present location. The Council was also of the view that the IITs should not only serve the technological needs of the local area including assisting engineering institutions through faculty development, but also need to extend their outreach through collaboration with industry, academia and society beyond their present geographical boundaries.

[Action: IIT Delhi]

Item No.43.10: Providing Assistantships to MA / MSc students from IITs with 8 CPI in the Ph.D Programmes

The Council approved the proposal of providing assistantship to students joining a Ph.D. programme in any IIT and who have obtained a MA or an MSc degree from any IIT with a CPI of 8.0 or more. This will encourage IIT student to join the Ph.D. programme in Science and HSS disciplines.

[Action: IITs]

Item No. 43.11: Concern and consideration by IIT Council on the increasing occurrences of suicide amongst IIT students

The Council took note of the incidents of suicides for varying reasons in IITs. While appreciative of the action being taken by IITs, the Council felt that the issue needs to be studied in all its dimensions. The Council decided to constitute a Task Force to suggest remedial measures after studying the causes of such occurrences. The Task Force could be headed by an eminent person and include representatives from NIMHANS, parents, teachers, alumni, professional counselors and submit its report within four months.

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[Action: MHRD]

Item No. 43.12: Presentation by Dr. Anil Kakodkar, Chairman, BoG, IIT Bombay regarding road map for the autonomy and future of the IITs

Dr. Anil Kakodkar and Prof. Jhunjunwala presented their report on the recommendations of the Committee to suggest a roadmap for taking IITs to global excellence. After detailed deliberations on the recommendations in which various points of view were expressed, the Council accepted the Report in principle and decided to constitute an Empowered Task Force for implementation of the recommendations for enhancing the autonomy of the IIT system with the intention of expanding the research output of IITs to produce 10,000 Ph.D graduates annually from around 1000 presently and increase faculty strength from around 4000 presently to 16000 by 2020 enabling the creation of a large pool of high quality faculty and researchers to meet the demands of a nation in high trajectory growth.

The Council felt that a national benefit has to be derived from the investment through public funds on each IIT student. Therefore, every student should enter into an agreement with the IIT for agreeing to pay back part of the expenditure made on him or her over a suitable period. Students who do not obtain any employment or who proceed for a career in teaching or research will not be expected to arrive at such an agreement. The SCIC will suggest the modalities for operationalising the system by the next meeting of the Council.

In so far as modifications to the governance structure and the changes in the Indian Institute of Technology Act are concerned, the Council felt that the issue should be revisited in the next meeting as sufficient time could not be devoted this time. In the meanwhile each Director IIT would prepare an accountability mechanism for the exercise of administrative autonomy.

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[Action: IITs/MHRD]

Item No. 43.13:

Presentation by Dr. T Ramasami, Chairman, BoG, IIT, Ropar, Secretary, Department of Science and Technology on "Assessment of examination and admission System in engineering programmes"

The Council deliberated on the report of Dr. Ramasami for a countrywide common examination for admission to undergraduate programmes in sciences and engineering giving weightage to school marks. The Council appreciated the efforts put in by the Committee and accepted the broad principals indicated in the Report whether it was the importance to be given school marks and a rational system of normalization of Board Marks, or a single national exam to test for aptitude and advanced domain knowledge.

Dr Ramasami placed six options before the Council for consideration and views of the members sought. Based on the views expressed, the report would be finalized by him in a month. The report would then be placed before CABE and State Education Ministers for a final decision so that the new system could be put in place by academic session 2013-14.

[Action: MHRD]

Item No. 43.14: Presentation by 'SPIC MACAY'

Due to shortage of time this item was not taken up.

Item No. 43.15: Reconstitution of Standing Committee of the IIT Council (SCIC)

The last Standing Committee of the Council of IITs (SCIC) under the Rule 5(d) of the Council (IT) Rules, 1962 was constituted vide notification dated 14th August, 2006. As considerable time has passed , it was decided by the Council to authorize the Chairman to re-constitute the same and inform the Council in its next meeting.

The task of SCIC would be inter alia to follow up on the decisions of the IIT Council and to advise on important issues relating to the IITs

[Action: MHRD]

Item No. 43.16: Change of Designations during upgradations under MACP

The MACP scheme envisages upgradations after every ten years but there is no change in designation of the employee (even group A employees have been included in the scheme). This is causing resentment among employees as there are very few vacant posts. This issue was also discussed in a meeting of Directors with the Secretary MHRD on 05/05/2011 in which it was decided to take it up before the IIT Council as there was no financial implication. The Council approved the proposal that when an employee of an IIT gets upgradation from one pay scale to the next under the MACP scheme, his / her designation will also accordingly change.

[Action: MHRD]

Item No. 43.17: Changes in Implementation of MACP for existing employees to remove anomalies

The implementation of MACP for B and C category of employees, replacing the earlier RCPS scheme has put the employees in the grade pay of Rs. 1900 and Rs. 2000 in a disadvantageous position. RCPS provided upgradations from S5 (grade pay (GP) of 1900) to S7 (GP: 2400) and from S6 (GP: 2000) to S8 (GP: 2800) while in the MACP scheme financial upgradations are as per the sequence of approved scales, viz. S1, S2, S3, S4, etc. The matter was referred to Ministry of Finance, Department of Expenditure which has opined as under:

"These so called anomalies are not confined to IITs alone and similar situations prevail in all organizations across Govt. of India. These cannot be treated as anomalies as now 3 promotions under MACPS at 10, 20 and 30 years are allowed instead of 2 promotions allowed earlier under ACPS after 12 & 24 years".

The Council of IITs took note of the opinion of the Ministry of Finance, Department of Expenditure.

Item No. 43.18: Implementation of the Scheme for Group 'A' Registry Staff to all Group A staff other than Doctors.

Group A officers in IITs are being governed by different schemes and this is causing anomalies and dissatisfaction among the officers. While the Doctors are being governed by the DACP scheme others are covered either by MACP scheme or by UGC as in the case of the registry and library staff. This matter was taken up with Ministry of Finance which has opined as under:

> "The proposal pertaining to extension of uniform career progression scheme to all group "A' officers (other than doctors) has been further examined in this Department in the light of the observations made by the Administrative Ministry. In this connection, it is observed that the non-teaching employees of the Central Universities / Deemed Universities and IUCs funded by UGC have adopted DoPT's scheme of MACP, subject to certain conditions as exemplified in Ministry of HRD's aforesaid orders, dated 7th April, 2010. Ministry of HRD is requested to implement its aforesaid orders dated 7th April, 2010 in respect of Group 'A' officers of IIT also, other than doctors of such institutions. It may be appreciated that any deviation from the above will have repercussions elsewhere".

The Council noted the views of DoE and decided that this matter could be re examined by the Standing Committee of IIT Council.

[Action: Secretariat of Council of IITs]

Item No. 43.19: Upgradation of Professors to HAG Scale after Ten Years

Analogous to the MACP, proposal to allow Professors in IITs for upgradation from GP of Rs. 10500/- to HAG scale after ten years of service and

subject to satisfactory performance as determined by an Institute level committee was taken up with the Ministry of Finance, Department of Expenditure. Ministry of Finance suggested to take up this proposal with the Department of Personnel & Training.

The Council of IITs took note of the current position.

[Action: MHRD]

Item No. 43.20: Joint Admission Board (JAB) (Any other item)

Council of IITs took note of the item and approved the Joint Admission Board (JAB) as a standing mechanism of IIT system authorized to frame the policies, rules and regulations of Joint Entrance Examination (JEE) under the guidance of IIT Council and ratified all actions taken by it thus far.

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List of Participants

43rd Meeting of the Council of IITs held on 14th September, 2011 under the Chairmanship of Hon'ble HRM.

SI.No.	Name and Designation	
1	Shri Kapil Sibal,	
	Hon'ble Minister (HRD)	
2	Smt. Vasanthi Stanley,	
	Hon'ble Member of Parliament (Rajya Sabha)	
3	Shri Deepender Singh Hooda,	
	Hon'ble Member of Parliament (Lok Sabha)	
4	Shri Janardhana Swamy,	
	Hon'ble Member of Parliament (Lok Sabha)	
5	Dr. Anil Kakodkar, Chairman, Board of Governors, IIT Bombay	
6	Shri R.P. Agrawal, Chairman, Board of Governors, IIT Delhi	
7	Dr. R.P. Singh, Chairman, Board of Governors, IIT Guwahati	
8	Prof. M. Anandakrishnan, Chairman, Board of Governors, IIT Kanpur	
10	Shri Shiv Nadar, Chairman, Board of Governors, IIT Kharagpur	
11	Shri Analjit Singh, Chairman, Board of Governors, IIT Roorkee	
12	Shri Ajai Choudhary, Chairman, Board of Governors, IIT Hyderabad	
13	Prof. Goverdhan Mehta, Chairman, Board of Governors,	
ar fri	IIT Jodhpur	
14	Shri M. Natarajan, Chairman, Board of Governors, IIT Mandi	
15	Dr. G Madhavan Nair, Chairman, Board of Governors, IIT Patna	
16	Dr. T. Ramasami, Chairman, Board of Governors, IIT Ropar	
17	Prof. V.G. Idichandy, Director (officiating), IIT Madras	
18	Prof. Gautam Barua, Director, IIT Guwahati	
19	Dr. G.D. Sharma, Director (officiating), IIT Roorkee (Uttarakhand)	
20	Prof. Sudhir K. Jain, Director, IIT Gandhinagar	
21	Prof. Anil K. Bhowmick, Director, IIT Patna	
22	Prof U.B. Desai, Director, IIT Hyderabad	
23	Prof. M.K. Surappa, Director, IIT Ropar (Punjab)	
24	Prof. Madhusudan Chakraborty, Director, IIT Bhubaneshwar	
25	Prof. Pradeep Mathur, Director IIT Indore	
26	Prof. P. Balaram, Director, IISc. Bangalore	
27	Shri R. Chandrasekhar,	
	Secretary, Department of Information Technology, New Delhi-110003.	
28	Prof. Samir K Brahmachari, Director General (DG), CSIR, New Delhi	
29	Dr. S.S. Mantha, Chairman (Acting), All India Council for Technical	
	Education (AICTE), New Delhi	
30	Prof. Sabyasachi Bhattacharya, Ex-Director, Tata Institute of Fundamental	
	Research (TIFR), Colaba, Mumbai.	
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F	Smt. Vibha Puri Das, Secretary, Ministry of Human Resource
31	Smt. Vibha Pun Das, Secretary, Ministry Bhawan, New Delhi. Development, Deptt. of Higher Education, Shastri Bhawan, New Delhi.
	Development, Deptt. of Higher Education, Chaotin Englishing Smt. Vilasini Ramachandran, Special Secretary (Expenditure), Ministry of
32	Smt. Vilasini Ramachandran, Special Secretary (Experimented)
	Finance, Department of Expenditure, New Delhi Resource
33	Shri Ashok Thakur, Special Secretary, Ministry of Human Resource
	Development, Deptt. of Higher Education, Shastri Bhawan, New Delhi.
34	LINE WILLING CONTRACT & LINANCIAL MUNICIPALITY OF LINENAL
	Shri A.N. Jha, Joint Secretaru & Financial Flavinser, having a secretary a sec
	Delhi.
35	Dr. Rakesh Kumar, Registrar, IIT Delhi
36	Shri Yatendra Kumar, Under Secretary, MHRD
37	Smt_Prisca Mathew, Under Secretary, MHRD
38	Shri Kamal Ranjan Saha, Section Officer, MHRD
	Smt. Javalakshmi Kannan, Section Officer, MHRD
1 20	
39	Lot i D.C. Coha, Broject Officer, Secretariat of Council of 115
<u>39</u> 40 41	Shri R.C. Gaba, Project Officer, Secretariat of Council of IITs Shri R.A.S. Khushwaha, Asst. Project Officer, Secretariat of Council of IITs

SI. No.	Name	Category
1.	Srikumar Banerjee, Chairman, DAE	Science
2.	S.Sivaram, NCL	Science
3.	Saurav Pal, NCL	Science
4.	Pankaj Chandra, Director, IIMB	Education
5.	Dinesh Singh, VC, Delhi Univ.	Education
6.	M.Barma, TIFR	Education/Science
7	Shobho Bhattacharya, TIFR	Education/Science
8.	Syed Hasnain, Former VC, Hyderabad	Univ.Education/Science
9.	Adi Godrej, Godrej	Engg. & Industry
10.	Baba Kalyani, Bharat Forge	Engg. & Industry
11.	J,J, Irani , TATA	Engg. & Industry
12.	Naushad Forbes, Forbes Marshall	Engg. & Industry
13.	Ashank Desai, Mastek	Engg. & Industry
14.	Ajit Ranade, Birla	Engg. & Industry
15.	Deepak Satwalekar, HDFC	Engg. & Industry
16.	Narottam Sekhsaria, Ambuja	Engg. & Industry
17.	R.Gopakrishna, TATA	Engg. & Industry
18.	Kiran Mazumdar Shaw, Biocon	Engg. & Industry
19.	Chanda Kochhar, ICICI	Engg. & Industry
20	Naina Lal Kidwai, HSBC	Engg. & Industry
21.	Zia Sgroff, AZB Partners	Engg. & Industry
22.	K. Venkataramanan, L&T	Engg. & Industry
23.	Shapoorji Pallonji Mistry, Shapoorji Pallonji & Co.	Engg. & Industry

List of Eminent Persons for consideration for appointment as Members, Board of Governors of IIT Bombay

List of Eminent Persons for consideration for appointment as Members, Board of Governors of IIT Guwahati

	SL. NO.	NAME & ADDRESS
	1. •••	Prof. Asis Datta,
		Professor Emeritus,
		Jawaharlal Nehru University,
1.1		New Mehrauli Road, New Delhi – 110 067.
	2.	Prof. Prabhat Patnaik,
		(Professor (Retd.), Jawaharlal Nehru University),
	-	Vice Chairman, Kerala State Planning Board,
		Pattom, Thiruvanathapuram, Kerala.

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ſ	3.	Prof. K.P. Singh,
		Director, Institute of Technology,
	See See	Benaras Hindu Univeristy, Varanasi – 221 005.
	4	Prof. Vishwanath Sinha,
1 A	••	(Former Deputy Director, IIT Kanpur),
	18	Distinguished Professor and Advisor.
		The LNM Institute of Information Technology Jaipur,
	• • • • •	Runa-ki-Nangal
	tan series and	P.O. Sumel, Via: Jamdoli, Jaipur – 302 031.
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List of Eminent Persons for consideration for appointment as Members, Board of Governors of IIT Madras

SL.NO.	NAME & ADDRESS
1.	Mr. B. Muthuraman Managing Director
	The Tata Steels, Jamshedpur – 831 001, Jharkhand.
2.	Mr. Kris S. Gopalakrishnan Chief Executive Officer and Managing Director
	Infosys Technologies Ltd.
	Corporate Headquarters
. •	Plot No.44 & 97A Electronics City,
	Hosur Road, Bangalore – 560 100
3.	T.T.Jaganathan
	Managing Director ,(TTK Group),
•	11th Floor, Brigade Towers,
	135, Brigade Road, Bangalore-560 025
4.	N.R.Dave
	Chartered Civil Engineer and Builder, NR Dave Complex,
	C-34, Il Avenue, 11th Main Road,
an an an an Arraigh Anns an Arraight	Anna Nagar, Chennai - 600 040
5.	Dr. C G Krishnadas Nair
	MD, HAL -B'lore Complex
	2388/1 16th A Main,
	HAL 2nd Stage, Kodihalli,
	Bangalore - 560 038
6.	Mr. Ram V Tyagarajan Chairman and Managing Director,
	Thiru Arooran Sugars Ltd.,
	'Eldorado', 112, Nungambakkam High Road,
	Chennai - 600 034

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7.	Mr.V. Shyam Sundar
	President
	Reliance Industries Petroleum Business,
	No.91, Dr. Radha Krishnan Salai, Mylapore,
	Chennai - 600 004
8.	Dr.G.S.Bhuvaneshwar
	Director, Bio-Medical Tech. Wing,
	Sri Chitra Tirunal Institute for Medical Services and Technology,
	Trivandrum
9	Dr.Gangan Pratap
	Vice-Chancellor, Cochin University of Science and Technology,
	Cochin 682 022
10.	Mr.M.S.Srinivasan
	No.1013, TVS Colony,
/	42nd street, Anna Nagar West Extension, Chennai 600101
11.	Mr.B. Suresh Kamath
	Chairman & Managing Director,
	Laser Soft Infosystems Limited., No: 100-A, Radha Avenue,
	Srilakshmi Nagar, Valasaravakkam, Chennai - 600 087
12.	Mr.Pradeep Mallick
	Founder Chairman,
	The Listening Post,
	A/2 Pallonji Mansion,43 Cuffe Parade, Mumbai - 400 005
13.	Mr.Prakash Damodaran
	Savanth Infocom Ltd.,
	No.6, "Kalyan Lakshmi",
	4th Floor, I-Main Road, Kasturba Nagar, Adyar, Chennai - 600 020
14.	Mr.B.S.Sudhir Chandra
	Director, Bangalore Metro Rail Corporation,
	3rd Floor, BMTC Complex,
	KH Road, Shanthi Nagar, Bangalore - 560 027
15.	Mr.K.V. Rangaswamy
	President and Member of Board,
	Larsen & Toubro Ltd., ECC Const.Group, Mount Poonamalli Road,
	Manappakkam, P.O.Box.979, Chennai – 600 089
16.	Dr.Dipankar Banerjee Chief Cantroller B&D (Aeronauticals and Materials Science), DBDO
	Chief Controller R&D (Aeronauticals and Materials Science), DRDO
	Director, DMRL, Hyderabad,
	F-1, Defence Lab. Quarters, Kanchanbagh, Hyderabad - 500 058
17.	Dr. R Mahadevan
	Director, India Pistons Limited, Hozur Gardens, Sembium, Chennai
18.	Dr. Ashok Khanna
	CMD, Controls and Switchgear Group, New Delhi 110020
19.	Mr. B. Santhanam
	Managing Director, Saint Gobain Glass India,
	A1, SIPCOT Industrial Park, Sriperumbudur 602105

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20.	Dr. B.N.Suresh
	Director, Indian Institute of Space,
· .	Science & Technology, Govt. of India,
· .	Dept. of Space, ISRO PO, Trivandrapuram 695 022
21.	Dr. B. Ramachandra Pai
	1078, HAL Stage II, 12th Main Road,
	Bangalore 560 017
22.	Dr. Murali Sastry
	Chief Scientist, Tata Chemicals Innovation Centre,
and a second	Anmol Pride, Pune 411 045
23.	Mr.Y.Gopala Rao
	39/136, 6th A Main First D Cross,
	REMCO Layout, Vijaya Nagar, Bangalore 560 040
24.	Dr.K.Ramalingam
	Regional Executive Director - Southern Region
	Airports Authority of India, ATS Complex, Chennai Airport
	CHENNAI- 600 027
25.	Dr.J. Narayana Das
20.	Director, Naval Materials Research Laboratory,
	Shil-Badlapur Road, Ambanath 421-506 Maharashtra
26.	Mr. Bhaskar Bhat,
20.	Managing Director, Titan Industries Ltd.,
and the second sec	Golden Enclave Tower, 'A',
	Airport Road, Bangalore 560017
27.	Shri Vijay Kumar Magapu
	Whole time Director and Member of the Boad,
	L & T Ltd., Powai Works,
	Saki Vihar Road, Mumbai 400 072
28.	Mr.K Ravi Kumar
	Former Chairman, Manageing Director of BHEL
	C-3, 3rd floor, Shanthi Heaven,
	128/140, St.Mary's Road, Alwarpet, Chennai 600018
29.	M G Parameswaran
	Executive Director and CEO,
	FCD Ulka Advertisement PVT Ltd.,
	Nirmal, Nariman Point, Mumbai 400 021
30.	Mr. D. Chandrasekhar,
and the second	Managing Director,
	MBI Metalloys PVT Ltd., 1, Balaji Avenue II Street, T. Nagar, Chennai 600 017
	1, Balaji Avenue il Sueer, 1, Nagar, Ottomia, 22
31.	Dr. P. Anandan,
	Managing Director,
	Microsoft Research India Embassy Orchid Apartment, No. 503, 8 th Main Road,
	Embassy Orchia Apartment, No. 500, 0 Main reserve
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