

**National Meet on Solar Cities**  
**“The Shivalik View Hotel”, Chandigarh**  
**20<sup>th</sup> June 2014,**

**BACKGROUND PAPER**

**1.0 Development of Solar Cities Programme**

Ministry of New and Renewable Energy (MNRE) had launched a program on “Development of Solar Cities” in February 2008. The programme has been modified /revised vide no. 5/4/2013-14/SC dated 17<sup>th</sup> January 2014 for implementation during the 12<sup>th</sup> Five Year Plan. The Solar City aims at minimum 10% reduction in projected demand of conventional energy at the end of five years, which can be achieved through a combination of energy efficiency measures and enhancing supply from renewable energy sources in the City.

A total of 60 cities/towns are proposed to be supported for development as “Solar/ Green Cities”. At least one city in each State to a maximum of seven cities in a State may be supported by the Ministry. The cities should have population between 5 to 50 lakh. Relaxation could be considered for special category states including North-Eastern States.

**2.0 Goals and Objectives**

The Goal of the program is to promote the use of Renewable Energy in Urban Areas by providing support to the Municipal Corporations for preparation and implementation of a Road Map to develop their cities as Solar Cities. The objectives of the programme are:

- to enable/empower Urban Local Governments to address energy challenges at City - level.
- to provide a framework and support to prepare a Master Plan including assessment of current energy situation, future demand and action plans.
- to build capacity in the Urban Local Bodies and create awareness among all sections of civil society.
- to involve various stakeholders in the planning process.
- to oversee the implementation of sustainable energy options through public - private partnerships.

**3.0 Assistance to Urban Local Governments**

The program assists Urban Local Governments in:

- Preparation of a master plan for increasing energy efficiency and renewable energy supply in the city
- Setting-up institutional arrangements for the implementation of the master plan.
- Awareness generation and capacity building activities.
- Installation of renewable energy projects.

## **4.0 Financial Assistance under Solar City Programme**

4.1 Up to Rs. 50.00 Lakhs per city/ town is provided depending upon population and initiatives decided to be taken by the City Council/Administration as per following details:

- Up to Rs 10.00 lakhs for preparation of a Master Plan alongwith few implementable DPRs within year.
- Up to Rs. 10.00 lakhs for oversight of implementation during three years.
- Up to Rs. 10.00 lakhs for setting up of Solar Cell and its functioning for a period of three years.
- Remaining amount of Rs. 20 lakhs to be utilized in three years for capacity building and other promotional activities, trainings, workshops, study tours and augmenting the activities of Solar City Cell.

4.2 The CFA for installation of various renewable energy projects/systems/devices in the city upto Rs. 2.50 crore is provided for each Pilot Solar City. The funds will be provided to the Solar City/Township subject to the condition that the equal amount upto Rs. 2.50 crore will be made available by the concerned Municipal Corporation/City Administration/State or any other resources.

4.3 The CFA up to Rs. 9.50 crore for each Model Solar City is provided to each Model Solar City with the condition that the similar matching fund upto Rs.9.50 crore is provided by the Municipal Corporation/ Municipality/State/District authority or arranged by them from their own or and other sources including public private partnership for all Model Solar Cities.

4.4 The activities relating to capacity building, including awareness, national level workshops/regional seminars capacity building, literature development, preparation of guidelines and promotional activities software development, innovative projects or other miscellaneous work etc. depending on merit. etc. will be substantially increased under this programme. In fact, capacity building/trainings will be a regular feature under the Scheme.

Upto Rs. 4.00 lakh for seminars/ workshops trainings, awareness campaigns etc. can be provided. For other activities the funds as per requirement may be considered on merit. About 50 such activities may be supported during 12th Plan Period. The total budget for these activities will be restricted upto Rs.1.00 crore during 2013-14 and rest of the 12th Five Year Plan Period

4.5 Upto Rs. 5.00 lakh for preparation of a Master Plan and DPR including the action plan for renewable energy installations, green campus development, awareness generation and trainings etc. will be provided for each new and existing small townships/campuses duly notified/permitted by the States/Local Authorities. This will also be applicable for the existing townships/campuses. The existing campuses should be encouraged to have suitable retrofitting's of renewable energy and energy efficiency equipment's/measures to the extent possible to make them green campus.

4.6 For installation of renewable energy projects, systems and devises in the solar cities, the financial and fiscal assistance as applicable under various programmes of the Ministry will be provided.

## **5.0 Criteria for selection of cities**

The program encourages cities with high level of commitment and leadership quality. MNRE will consider the following while selection of cities:

- City Population, regional setting and prominence in region.
- Political and administrative commitment towards adoption of sustainable energies (Resolution to be passed by the City Council/Administration for implementing all the activities specified in the 'Solar cities' programme).
- Regulatory measures taken on adoption of energy conservation and renewable energy.
- Potential for adoption of energy conservation and renewable energy in the city activities.
- Initiatives already taken by City Council/Administration/ Private Developers/ Industry/ General Public in promoting energy conservation and renewable energy.
- Urban Local Bodies' previous experience in involving public participation and working with all stakeholders.
- Willingness and commitment to provide resources, financial share and sustenance of activities initiated under the program.

## **6.0 Actions to be taken by Municipal Corporation, City Council, State Nodal Agencies for Developing a 'Solar City':**

- i) To create a "Solar City Cell" with in the City Administration/ Council which will be fully responsible for city planning and implementation of projects towards making it a "Solar City"?
- ii) To conduct energy auditing of Govt./Public sector buildings, water pumping and street lightings in the city at regular interval and take necessary steps towards conservation of electricity. Other establishments also to be encouraged for the same.
- iii) To reduce electricity consumption in street light/garden lights, traffic lights, blinkers hoardings etc. by using energy conservation & renewable energy devices.
- iv) To amend building bye-laws for making the use of solar water heating systems mandatory in certain category of buildings.
- v) To provide rebate in property tax through Municipal Corporations/ Municipalities & in electricity tariff though Utilities/ Electricity Boards to the users of solar water heaters especially in domestic sector.
- vi) To issue G.O as regards to construction of energy efficient solar buildings at least in Govt. /Public sectors in accordance with ECBC :2006 and follow up its implementation rigorously.

- vii) To comply to MSW Rules 2000 notified by the MoEF and set up projects of suitable capacity for generating energy from the waste collected from the city/town.
- viii) To organize rigorous publicity, and also the training programmes/ business meets for various stake holders e.g. architects, engineers, builders & developers, financial institutions, NGOs, technical institutions, manufactures/suppliers, RWAs etc. so as to involve them actively in meeting the objective of solar city.
- ix) To generate necessary funds from State Govt. and other funding organizations for achieving the objective of making the city as “Solar City”. Benefits of the schemes of Govt. of India will also be taken in meeting the objectives.
- x) To achieve targets set by the City Council/Administration for reducing consumption of electricity through renewable energy and energy conservation devices during five years of implementations for developing their city as Solar City.

## 7.0 Present status of solar cities

7.1 So far 46 cities have been sanctioned of which master plan of 39 cities has been finalized. The State/city-wise status of Master Plan and solar City Cell in the solar cities is given in the following table:

State	Cities sanctioned	Master plan	Solar City Cell Set-up
Andhra Pradesh	1. Vijayawada	Prepared	Yes
Assam	2. Guwahati	Prepared	No
	3. Jorhat	Prepared	Yes
Arunachal Pradesh	4. Itanagar	Prepared	Yes
Chandigarh	5. Chandigarh *	Prepared	Yes
Chhattisgarh	6. Bilaspur	Prepared	Yes
	7. Raipur**	Prepared	Yes
Gujarat	8. Rajkot**	Prepared	Yes
	9. Gandhinagar*	Prepared	Yes
	10. Surat	Prepared	Yes
Goa	11. Panji City	Under preparation	No
Haryana	12. Gurgaon	Prepared	No
	13. Faridabad**	Prepared	Yes
Himachal Pradesh	14. Shimla **	Prepared	Yes
	15. Hamirpur	Prepared	Yes
Karnataka	16. Mysore*	Prepared	Yes
	17. Hubli-Dharwad	Prepared	No
Maharashtra	18. Nagpur*	Prepared	Yes
	19. Thane**	Prepared	Yes
	20. Kalyan-Dombiwali	Prepared	Yes
	21. Aurangabad	Prepared	No
	22. Nanded	Under preparation	No
	23. Shirdi**	Prepared	Yes
Madhya Pradesh	24. Gwalior	Prepared	Yes
	25. Rewa	Prepared	Yes
Manipur	26. Imphal	Prepared	Yes

State	Cities sanctioned	Master plan	Solar City Cell Set-up
Mizoram	27. Aizawl**	Prepared	Yes
Nagaland	28. Kohima	Prepared	Yes
	29. Dimapur	Prepared	No
Delhi	30. New Delhi (NDMC area)	Under preparation	No
Odisha	31. Bhubaneswar	Prepared	No
Punjab	32. Amritsar**	Prepared	No
	33. Ludhiana	Prepared	Yes
	34. SAS Nagar (Mohali)	Under preparation	No
Rajasthan	35. Ajmer	Under preparation	No
	36. Jodhpur	Prepared	No
Tamilnadu	37. Coimbatore	Prepared	No
Tripura	38. Agartala**	Prepared	Yes
Uttarakhand	39. Dehradun	Prepared	Yes
	40. Haridwar & Rishikesh	Prepared	Yes
	41. Chamoli-Gopeshwar	Prepared	Yes
Uttar Pradesh	42. Agra	Prepared	No
	43. Moradabad	Prepared	Yes
West Bangal	44. Howrah	Under preparation	Yes
	45. New Town Kolkata	Prepared	Yes
	46. Madhyamgram	Under preparation	No

(\* Model Solar Cities, \*\* Pilot Solar Cities)

7.2 The stakeholder committee has been created in all the above “Developing Solar Cities” and the solar city cell has been established in 30 cities.

7.3 Further, “In-Principle” approvals have been given to 9 Cities namely Indore, Bhopal, Thiruvananthapuram, Kochi, Jaipur, Mahabubnagar, Allahabad, Leh and Puducherry. Leh and Puducherry have been taken under Pilot Solar Cities. The respective Corporations/State Nodal Agencies were requested for engaging Consultants for preparation of the Master Plans but no action has been taken so far.

7.4 RE projects with an aggregate capacity of 9.85 MWp Solar SPV plants, 61 nos. of solar hybrid invertors, 342 nos. of Solar Street lighting system , 50kW Solar wind Hybrid System, 10 nos. of BoV with one solar charging station of 50 kW and 12.79lakh lpd SWH systems have been sanctioned/approved in solar cities. { including 6.06 MW SPV power plants, , 50kW Solar wind Hybrid System, 10 nos. of BoV with one solar charging station of 50 kW and 7.74 lakh lpd SWH systems in the year 2013-14}.

7.5 The pilot project on the Grid interactive rooftop small SPV power plant project has been successfully implemented in Chandigarh Model Solar City. This has demonstrated the feasibility of small grid connected SPV rooftop in the country. {So far Cumulative 6.25 MW have been sanctioned/approved under the solar city program (1.74 MW) and rooftop program (4.51 MW) including 3.21 MWp in the year 2013-14 to Chandigarh City}.

7.6 The Grid Connected Rooftop Projects are being implemented by MNRE, SECI and States Agencies through regular Scheme of MNRE and also under National Clean Energy Fund (NCEF). So far 43 MWp eq. grid connected solar rooftop projects have been sanctioned to 28 solar cities under various programmes. The city-wise details are given in **Annexure – I**.

7.7 So far sanctions has been given for 6 campuses namely Silver Jubilee Campus of Pondicherry University, Auroville, Dayalbagh Nagar Panchayat, School of Planning & Architecture (New Delhi), Malkapur Nagar Panchayat, KIIT University to be developed as Green Campus.

7.8 Eight Cities are to be developed as 'Model Solar Cities'. So far, Nagpur, Chandigarh, Gandhinagar and Mysore have been identified/ sanctioned. Four new Model Solar Cities are to be selected/ developed.

7.9 Fifteen Cities to be developed as 'Pilot Solar Cities'. So far Agartala, Rajkot, Shimla, Faridabad, Thane, Raipur, Shirdi, Leh, Aizawl, Puducherry and Amritsar are being developed as Pilot Solar City. Five new Pilot Solar Cities are to be selected/ developed.

7.10 The Ministry has empanelled 26 consultants in June 2009 for preparation of the Master Plans. The list is available in the Website of MNRE.

## 8.0 Financial Status

- i) Sanctions have been issued to those Cities which have engaged consultants for preparation of master plan and have submitted their proposal to the Ministry. So far, funds have been sanctioned and released for 46 Cities to be developed as Solar Cities. A total amount of **Rs. 21.73 Crore** has been sanctioned for these 46 Cities out of which the **Rs. 4.79 crore** has been released (**Annexure – II**).
- ii) An amount of **Rs. 36.14 crore** has been sanctioned for installation of renewable energy projects in 10 Solar Cities of which Rs. 11.11 crore has been released (**Annexure – III**).
- iii) An amount of **Rs. 35.00 lakh** have been sanctioned and an amount of Rs. 3.60 lakh have been released for Green Campuses.
- iv) An amount of **Rs. 9.14 Crore** has been sanctioned and **Rs. 2.67 crore** has been released under this program in the **year 2013-14**

## 9.0 Issues for Discussion

- (i) The pace of implementation of various activities in most of solar cities is rather slow. In general the State Nodal Agencies are playing passive role which needs to be converted into their active and effective role.
- (ii) The Municipal Corporations need to pay more focus on implementation of the programme, preparation of proposals and execution of the projects in fast track mode. They may interact with State Nodal Agencies for any help/ guidance.
- (iii) The City-wise issues are given in **Annexure – IV**. The representatives of municipal Corporation/ SNAs may respond to the issues.
- (iv) It is proposed that the Corporate Houses, Industries, PSUs and Financial Institutions in the respective solar city may be identified/ approached by the respective SNAs and Municipal Corporations for their involvement, co-operation and financial support in developing the solar city. A tentative list of such organizations city-wise is enclosed for information (**Annexure – V**).

(v) The progress in respect of activities of solar city cells and promotional activities is very slow in most of the solar cities.

(vi) The solar city cells should be immediately set-up by those cities (16 nos.) where it has not been set-up so far (**Ref. Para – 7.1**). The solar city cell should comprise of at least one dedicated technical trained person (at-least engineering graduate) supported by a secretarial person who may be exclusively recruited for the day to day activities in the field of renewable energy/energy efficiency etc.. The recruitment of trained / qualified persons for Solar City Cells for respective Solar Cities may be done by MNRE/SNAs to facilitate the Solar Cities. The other persons of the Solar City Cell may be nominated by the Municipal Corporation from their existing Officers/Engineers. The concerned Municipal Corporation/SNA will provide supporting infrastructure office space, and other office expenses etc.. The funds allocated of Rs. 10.0 lakh needs to be utilized.

(vii) Each solar city should install at-least 1MWp eq. Grid Connected Rooftop projects (1 kWp – 500 kWp capacity) in their residential, institutional, commercial, government offices, corporate houses buildings. The MNRE has launched a Scheme on grid connected rooftop and small solar power plants which provides 30% CFA for the installation. SNAs may directly send the proposal to MNRE for consideration in prescribed format.

(viii) The project proposals for respective solar cities should be submitted by the SNAs to the Solar City Division for further coordination of approval in respective division.

(ix) Any other issue.

## Grid Connected Rooftop Projects in Solar Cities

Sl. No	Solar City	Solar Cities Programme (kW)	Under NCEF by SECI (kW)	MNRE Scheme SNA's/ States/ Other Agencies (kW)	Total (kW)
1	Chandigarh	2340	1000	2810	6150
2	Mysore	196	1250	0	1446
3	Nagpur	125	1000	0	1125
4	Gandhinagar	0	1000	0	1000
5	Rajkot	110	0	0	110
6	Agartala	75	0	0	75
7	Faridabad	13.7	500	0	513.7
8	Thane	136	0	0	136
9	Aizawl	90	0	0	90
10	Pondicherry	18	1000	0	1018
11	Coimbatore	0	2000	317.5	2317.5
12	Delhi	0	7000	0	7000
13	Gurgaon	0	2500	0	2500
14	Bhubaneswar	0	2000	0	2000
15	Jaipur	0	3750	0	3750
16	Raipur/Naya Raipur	0	2050	0	2050
17	Kolkata/new Kolkata	0	2750	0	2750
18	Gwalior	0	500	0	500
19	Bhopal	0	1000	0	1000
20	Surat	0	500	750	1250
21	Jodhpur	0	250	0	250
22	Guwahati	0	1000	0	1000
23	Dehradun	0	1000	0	1000
24	Thiruvananthapuram	0	1000	0	1000
25	Kochi	0	1000	0	1000
26	Mohali	0	1000	0	1000
27	Amritsar	0	500	0	500
28	Ludhiana	0	500	0	500
	<b>Total</b>	<b>3103.7</b>	<b>36050</b>	<b>3877.5</b>	<b>43031.2</b>



## Annexure – II

### State-wise list of Solar Cities for which Sanctions/In-Principle approvals given (Sanctions accorded for Master Plans, Solar City Cells and Promotional Activities)

Sr. No	State	Cities for which in-principle approval given	Amount Sanctioned in (Rs. Lakh)	Amount Released (Rs. Lakh)
1	Andhra Pradesh	1. Vijaywada	46.40	15.40
		2. Mahbubnagar*	-	-
2	Assam	3. Guwahati	45.45	7.72
		4. Jorhat	49.18	24.18
3	Arunachal Pradesh	5. Itanagar	47.49	16.49
4	Chandigarh	6. Chandigarh	49.75	24.75
5	Chhattisgarh	7. Bilaspur	43.43	12.43
		8. Raipur	43.43	12.43
6	Gujarat	9. Rajkot	47.45	12.72
		10. Gandhinagar	50.00	14.00
		11. Surat	43.46	8.46
7	Goa	12. Panji City	43.30	1.65
8	Haryana	13. Gurgaon	47.45	3.70
		14. Faridabad	48.75	17.75
9	Himachal Pradesh	15. Shimla	42.95	11.94
		16. Hamirpur	42.80	11.80
10	Karnataka	17. Mysore	43.25	5.62
		18. Hubli-Dharwad	43.00	1.50
11	Kerala	19. Thiruvananthapuram*	-	-
		20. Kochi*	-	-
12	Maharashtra	21. Nagpur	48.93	4.46
		22. Thane	49.84	18.84
		23. Kalyan-Dombivli	49.57	24.57
		24. Aurangabad	50.00	7.86
		25. Nanded	50.00	3.74
		26. Shirdi	43.48	1.74
13	Madhya Pradesh	27. Indore*	-	-
		28. Gwalior	49.55	9.78
		29. Bhopal*	-	-
		30. Rewa	50.00	13.55
14	Manipur	31. Imphal	48.56	4.28
15	Mizoram	32. Aizawl	48.09	17.09
16	Nagaland	33. Kohima	46.98	15.97
		34. Dimapur	48.95	4.47
17	Delhi	35. New Delhi (NDMC area)	50.00	2.25
18	Orissa	36. Bhubaneswar	47.37	3.68
19	Punjab	37. Amritsar	45.00	11.50
		38. Ludhiana	45.00	11.50
		39. SAS Nagar (Mohali)	50.00	2.24

Sr. No	State	Cities for which in-principle approval given	Amount Sanctioned in (Rs. Lakh)	Amount Released (Rs. Lakh)
20	Rajasthan	40. Ajmer	50.00	1.35
		41. Jaipur*	-	-
		42. Jodhpur	43.50	1.75
21	Tamil Nadu	43. Coimbatore	49.00	9.00
22	Tripura	44. Agartala	45.49	11.75
23	Uttarakhand	45. Dehradun	47.40	12.70
		46. Haridwar & Rishikesh	45.00	2.50
		47. Chamoli –Gopeshwar	44.95	11.47
24	Uttar Pradesh	48. Agra	48.89	23.89
		49. Moradabad	50.00	25.00
		50. Allahabad*	--	--
25	West Bengal	51. Howrah	50.00	4.31
		52. Madhyamgram	50.00	4.15
		53. New Town Kolkata	50.00	11.26
26	Jammu & Kashmir	54. Leh*	-	-
27	Puducherry	55. Puducherry*	-	-
	<b>Total</b>		<b>2173.10</b>	<b>479.23</b>

**\*Only In-principal approval given.**

**RE Projects in Solar Cities****[A] SPV Projects Sanctioned under Model/Pilot Solar Cities**

Sl. No	Solar City	RE Project	Capacity (kWp)	Sanctioned (₹ in lakh)	Released (₹ in lakh)	Remarks
1.	Chandigarh Model Solar City	(i) SPV Plant at Model Central Jail, Burail, Sector-45, Chandigarh	100 kWp	95.00		Completed
		(ii) Govt. Sr. Sec. School, Sector-46, Chandigarh	50kWp	47.50		Completed
		(iii) Judges House, Sector 19, Chandigarh	10kWp	13.50		Completed
		(iv) Paryawaran Bhawan Building, Sector-19, Chandigarh	50kWp	47.50		Completed
		<b>Sub Total [A1]</b>	<b>210kWp</b>	<b>203.50</b>	<b>101.75</b>	
		(i) Solar PV Power Plants at Govt. College for Girls <ul style="list-style-type: none"> <li>• Admn. And Library Dept. 50 kWp 37.50</li> <li>• Physics and Zoology Dept. 100 kWp 75.00</li> <li>• Class Room Old Block 100 kWp 75.00</li> <li>• BCA Block 80 kWp 60.00</li> </ul>				Completed
		(ii) Solar PV Power Plants Govt. College for Men <ul style="list-style-type: none"> <li>• Auditorium 30kWp 22.50</li> <li>• Botany Block 30kWp 22.50</li> <li>• Chemistry Block 30kWp 22.50</li> <li>• Physics Block 30kWp 22.50</li> <li>• Pyscology Block 25kWp 18.75</li> <li>• Library 40kWp 30.00</li> <li>• Geography Block 25kWp 18.85</li> <li>• Music Block 25kWp 18.75</li> <li>• Gymnasium 10kWp 7.50</li> <li>• Hostel (Main) 80kWp 60.00</li> <li>• Hostel (New) 70kWp 52.50</li> <li>• Hostel (General) 40kWp 30.00</li> </ul>				Completed
		<b>Sub Total [A2]</b>	<b>765kWp</b>	<b>573.75</b>	<b>75.00</b>	
	Chandigarh Model Solar City <b>Date.14.08.2012</b> <b>(In continuation)</b>	(i) Physics lab and class room 39,40 (Govt. college for Girls, Sector-11, Chandigarh)	35kW	26.25		Completed
		(ii) Botany and Geography Lab (Govt. college for Girls, Sector-11, Chandigarh)	33Kw	22.50		Completed
		(iii) Home Science Block Class room (Govt. college for Girls, Sector-11, Chandigarh)	100kW	75.00		Completed
		<b>Sub Total [A3]</b>	<b>165kW</b>	<b>123.75</b>	<b>61.87</b>	
	Chandigarh Model Solar City Date.25.02.2013 <b>(In continuation)</b>	IRB complex, Chandigarh police	200kW	150.00	75.00	Under Installation
		<b>Sub Total [A4]</b>	<b>200kW</b>	<b>150.00</b>	<b>75.00</b>	

Sl. No	Solar City	RE Project	Capacity (kWp)	Sanctioned (₹ in lakh)	Released (₹ in lakh)	Remarks
	Chandigarh Model Solar City Date.05.03.2013	Installation of 495kWp SPV System in Govt. College for Girls and 435 kWp SPV System in Govt. College for men	0	0	112.66	
		<b>Sub Total [A5]</b>	<b>0</b>	<b>0</b>	<b>112.66</b>	
	Chandigarh Model Solar City Date.25.03.2013	Installation of SPV Plants of total aggregate capacity of 1000 kWp to CREST to be installed at Punjab Engineering College	1000kW	390.00	-	Under Installation
		<b>Sub Total [A6]</b>	<b>1000kW</b>	<b>390.00</b>	<b>-</b>	
	Chandigarh Model Solar City Date 25.04.2014	Release of 2 <sup>nd</sup> installment of CFA to CREST for Model Central Jail 100 kWp, Govt. Sr. Sec. School 50 kWp, Paryavaran Bhawan 50 kWp	---	---	<b>62.44</b>	---
		<b>Sub Total [A7]</b>	<b>--</b>	<b>--</b>	<b>62.44</b>	
	Chandigarh Model Solar City (under JNNSM Scheme) Date 31.12.2013	Sanction for installation of grid connected rooftop SPV plants of total aggregate capacity of 810 kWp	<b>810kW</b>	<b>243.00</b>	<b>0</b>	Under Installation
	Chandigarh Model Solar City (under JNNSM Scheme) Date 31.12.2013	Sanction for installation of grid connected rooftop SPV plants of total aggregate capacity of 2 MWp	<b>2000kW</b>	<b>600.00</b>	<b>0</b>	Under Installation
		<b>Sub Total [A8]</b>	<b>2810kW</b>	<b>843.00</b>	<b>0</b>	
		<b>Sub Total A1+A2+A3+A4+A5+A6+A7+A8</b>	<b>5150kW</b>	<b>2284.00</b>	<b>488.72</b>	
2.	Mysore Model Solar City	(i) SPV Plant at Mysore City Corporation on building, Mysore	60 kWp	48.60	24.30	
		(ii) Kupanna Park, Mysore	8kWp	6.45	3.22	
		(iii) Cheluvamba Park, Mysore	8kWp	6.45	3.23	
		(iv) Mysore Urban Develop	75kWp	60.75	30.38	
		(v) Zonal Office Building, Mysore	45kWp	36.45	18.22	
		<b>Sub Total [B]</b>	<b>196kWp</b>	<b>158.70</b>	<b>79.35</b>	
3.	Rajkot Pilot Solar City	(i) SPV Plant at RMC West Zone office, 150' Ring Road, behind Big Bazar, Rajkot	60kWp	24.75	12.375	
		(ii) RMC East Zone Office, Zaverchand Meghani, Bhawan, Rajkot	50kWp	20.40	10.20	
		<b>Sub Total [C]</b>	<b>110kWp</b>	<b>45.15</b>	<b>22.575</b>	
4.	Agartala Pilot Solar City	SPV Plant at City Centre Building, Agartala	45kWp	93.17	46.58	
		<b>Sub Total [D1]</b>	<b>45kWp</b>	<b>93.17</b>	<b>46.58</b>	

Sl. No	Solar City	RE Project	Capacity (kWp)	Sanctioned (₹ in lakh)	Released (₹ in lakh)	Remarks
	Agartala Pilot Solar City (In Continuation) (28.03.2013)	Installation of two Solar Photovoltaic Power Plants	30kW	54.90	-	
		<b>Sub Total [D2]</b>	<b>30kW</b>	<b>54.90</b>	<b>-</b>	
		<b>Sub Total [D1+D2]</b>	<b>75kW</b>	<b>148.07</b>	<b>46.58</b>	
5.	Faridabad Pilot Solar City	(i) 61 nos. of Solar Hybrid inverters comprising of 225 W PV Module	13.725kWp	9.05	4.52	
		(ii) Solar Streetlight of 342 nos.		11.41	5.70	
		<b>Sub Total [E]</b>	<b>13.725 kW</b>	<b>20.46</b>	<b>10.22</b>	
6.	Thane Solar city (12.02.2013)	(i) 11 nos. of solar power pack systems	136kW	63.54	31.77	
		<b>Sub Total [F]</b>	<b>136kW</b>	<b>63.54</b>	<b>31.77</b>	
7	Aizawl Pilot Solar City (26.03.2013)	Solar Photovoltaic Power Plant of aggregate capacity 90kWp and Solar Water Heating System of aggregate capacity of 364 sq.m	90 kW	163.80	81.91	
		<b>Sub Total [G]</b>	<b>90 kW</b>	<b>163.80</b>	<b>81.91</b>	
9	Pondicherry Pilot Solar City (28.03.2013)	REAP Office, Office Complex, Forest Department, Pondicherry and Branch Press Mettupalayam	18kW	11.88	-	
		<b>Sub Total [H]</b>	<b>18kW</b>	<b>11.88</b>	<b>-</b>	
10	Nagpur Model Solar City (29.03.2013)	<b>Solar Photovoltaic Power Plants</b> of aggregate capacity of 125kWp capacity at New Administrative Building of NMC	125kW	87.50	0	
		<b>Sub Total [I]</b>	<b>125kW</b>	<b>87.50</b>	<b>0</b>	
11	Surat Solar City (under JNNSM Scheme) (31.12.2013)	Sanction for installation of 14 nos. grid connected rooftop SPV plant of aggregate capacity 750 kWp to Surat Municipal Corporation	<b>750kW</b>	<b>225.00</b>	<b>0</b>	
12	Surat Solar City (under JNNSM Scheme) (24.03.2014)	Sanction and Release of <b>CFA</b> for installation of grid connected rooftop SPV plant of aggregate capacity 750 kWp to Surat Municipal Corporation	---	---	<b>102.81</b>	
		<b>Sub Total [J]</b>	<b>750kW</b>	<b>225.00</b>	<b>102.81</b>	
	<b>Grand total</b>		<b>6663.725 kWp</b>	<b>3199.05</b>	<b>859.415</b>	

## RE Projects in Solar Cities

### [B] SWH Projects Sanctioned under Model/Pilot Solar Cities

Sl. No	Solar City	RE Project	Capacity M <sup>2</sup> (LPD)	Sanctioned (Rs.in lakh)	Released (Rs. in Lakh)	Remarks
1	Aizwl Pilot City	Solar Water Heating System of aggregate capacity of 364 sq.m	364 M <sup>2</sup> (18200lpd)	24.02	<u>12.01</u>	
	Aizwl Pilot City	Solar Water Heating System of aggregate capacity of 908 sq.m	908 M <sup>2</sup> (45400 lpd)	59.92	<u>29.96</u>	
	<b>Sub total</b>		<b>1272 M2</b>	<b>83.94</b>	<b><u>41 .97</u></b>	
2	Nagpur Model Solar City	Solar Water Heating System of aggregate capacity of 6622.50 M <sup>2</sup> (441500 lp.d)	6622.50 M <sup>2</sup> (441500 lpd)	331.12	<u>209.31</u>	
	<b>Total</b>		<b>7894.50 M<sup>2</sup> (505100)</b>	<b>415.06</b>	<b>251.28</b>	

**Issues for Discussion**

**(A) For Sanctioned Cities:**

<b>State</b>	<b>Cities sanctioned</b>	<b>Issues</b>
Andhra Pradesh	1. Vijayawada	<ul style="list-style-type: none"> <li>Proposals of 5x100 kWp SPV Rooftop Grid Connected Plants have been received and is under consideration.</li> <li>Requested for Pilot Solar City</li> </ul>
Assam	2. Guwahati	<ul style="list-style-type: none"> <li>Pending UC's to be submitted by AEDA.</li> <li>Project proposals need to be developed by the respective AEDA /Municipal Corporations</li> <li>Solar City Cell not created. Funds towards the Solar City Cell and Promotional Activities not Utilized.</li> </ul>
	3. Jorhat	<ul style="list-style-type: none"> <li>Pending UC's to be submitted by AEDA.</li> <li>Project proposals need to be developed by the respective AEDA /Municipal Corporations</li> <li>Funds towards the Solar City Cell and Promotional Activities not Utilized.</li> <li>7 Proposals of 74 kWp eq. under consideration in MNRE</li> </ul>
Arunachal Pradesh	4. Itanagar	<ul style="list-style-type: none"> <li>Project proposals need to be developed by the respective SNA's /Municipal Corporations</li> <li>Proposals on off-grid SPV plants (1963 kWp) and solar street lights (1395 nos.), 59200 lpd Solar Water Heaters under consideration in MNRE.</li> </ul>
Chandigarh	5. Chandigarh *	<ul style="list-style-type: none"> <li>The proposals for balance funds to be submitted.</li> <li>Project completion reports of sanctioned projects to be submitted.</li> </ul>
Chhattisgarh	6. Bilaspur	<ul style="list-style-type: none"> <li>Project proposals need to be developed by the respective CREDA /Municipal Corporations.</li> <li>Progress report not being sent</li> </ul>
	7. Raipur**	<ul style="list-style-type: none"> <li>Project proposals need to be developed by the respective CREDA /Municipal Corporations.</li> </ul>
Gujarat	8. Rajkot**	<ul style="list-style-type: none"> <li>Project completion report of aggregate 110 kWp SPV plants not received.</li> <li>Final master plan to be forwarded by GEDA.</li> <li>More project proposals to be developed.</li> </ul>
	9. Gandhinagar*	<ul style="list-style-type: none"> <li>The UC of Rs. 9.00 lakh is awaited for final settlement of preparation of master plan of Gandhinagar solar city</li> <li>Rs. 9.5 crore sanctioned for Model solar City not utilized. One project proposal of 6194 sq.m SWH is under consideration.</li> </ul>
	10. Surat	<ul style="list-style-type: none"> <li>Project commissioning report for 750 kWp Grid Connected Rooftop Projects to be submitted.</li> </ul>

State	Cities sanctioned	Issues
Goa	11. Panji City	<ul style="list-style-type: none"> <li>No action taken since long for Master Plan, Solar City Cell, RE projects.</li> <li>Solar City Cell not created.</li> </ul>
Haryana	12. Gurgaon	<ul style="list-style-type: none"> <li>Project proposals need to be developed by the respective HAREDA /Municipal Corporation.</li> </ul>
	13. Faridabad**	<ul style="list-style-type: none"> <li>Project proposals need to be developed by the respective HAREDA /Municipal Corporation.</li> <li>Project completion report of 342 street lighting systems to be submitted.</li> <li>The proposal of 4x10kWp SPV plants under consideration</li> </ul>
Himachal Pradesh	14. Shimla **	<ul style="list-style-type: none"> <li>Project proposals for Shimla City need to be developed by HIMURJA /Municipal Corporation.</li> <li>Revised proposal on SPV systems yet to be received.</li> </ul>
	15. Hamirpur	<ul style="list-style-type: none"> <li>Project proposals for Hamirpur City need to be developed by HIMURJA /Municipal Corporation.</li> </ul>
Karnataka	16. Mysore*	<ul style="list-style-type: none"> <li>CFA of Rs. 158.70 lakh has been sanctioned with an advance release of Rs. 79.35 lakh for SPV power plant of aggregate capacity of 196 kWp to KREDL for Mysore City Corporation. No progress so far.</li> <li>Utilization Certificate not received</li> <li>Project implementation is getting delayed.</li> <li>More Project proposals for Mysore needs to be developed by KREDL /Municipal Corporation.</li> </ul>
	17. Hubli-Dharwad	<ul style="list-style-type: none"> <li>Project proposals needs to be developed by KREDL /Municipal Corporation.</li> <li>Solar City Cell not created</li> </ul>
Maharashtra	18. Nagpur*	<ul style="list-style-type: none"> <li>Rs. 9.50 crore sanctioned as Model Solar City. Project completion report for SPV and SWH projects to be submitted. More Project proposals for Nagpur needs to be developed by MEDA /Municipal Corporation.</li> </ul>
	19. Thane**	<ul style="list-style-type: none"> <li>136 kWp SPV projects pending since long. Action/ progress is slow by the corporation.</li> <li>More Project proposals for Thane needs to be developed by MEDA /Municipal Corporation.</li> </ul>
	20. Kalyan-Dombivli	<ul style="list-style-type: none"> <li>Project proposals for Kalyan-Dombivli needs to be developed by MEDA /Municipal Corporation.</li> </ul>
	21. Aurangabad	<ul style="list-style-type: none"> <li>Project proposals for Auragabad needs to be developed by MEDA /Municipal Corporation.</li> <li>Request received for Model Solar City.</li> </ul>
	22. Nanded	<ul style="list-style-type: none"> <li>Draft master plan received. Project proposals for Nanded needs to be developed by MEDA /Municipal Corporation.</li> </ul>
	23. Shirdi**	<ul style="list-style-type: none"> <li>Project proposals for Shirdi needs to be developed by MEDA /Municipal Corporation.</li> </ul>



State	Cities sanctioned	Issues
Madhya Pradesh	24. Gwalior	<ul style="list-style-type: none"> <li>Master Plan finalized by committee but final revised master plan yet to be submitted.</li> </ul>
	25. Rewa	<ul style="list-style-type: none"> <li>Master Plan finalized by committee but final revised master plan yet to be submitted.</li> </ul>
Manipur	26. Imphal	<ul style="list-style-type: none"> <li>Project proposals for Imphal City need to be developed by the SNA/Respective Municipal Corporations.</li> <li>Master Plan finalized by committee but final revised master plan yet to be submitted.</li> <li>Revised proposal for Grid Connected Rooftop to be received.</li> </ul>
Mizoram	27. Aizawl**	<ul style="list-style-type: none"> <li>2.50 lakh lpd SWH proposal is under consideration.</li> <li>Request received for Model Solar City.</li> </ul>
Nagaland	28. Kohima	<ul style="list-style-type: none"> <li>500 nos. Solar Street Light proposal is under consideration</li> </ul>
	29. Dimapur	<ul style="list-style-type: none"> <li>Master Plan finalized by committee but final revised master plan yet to be submitted.</li> </ul>
Delhi	30. New Delhi (NDMC area)	<ul style="list-style-type: none"> <li>Fund release pending due to error in name accounts title of NDMC since May 2013. Needs to be rectified.</li> </ul>
Odisha	31. Bhubaneswar	<ul style="list-style-type: none"> <li>Master Plan finalized by committee but final revised master plan yet to be submitted.</li> </ul>
Punjab	32. Amritsar**	<ul style="list-style-type: none"> <li>Master Plan finalized by committee but final revised master plan yet to be submitted.</li> <li>No action taken by PEDDA/ municipal corporation.</li> </ul>
	33. Ludhiana	<ul style="list-style-type: none"> <li>Master Plan finalized by committee but final revised master plan yet to be submitted.</li> <li>No action taken by PEDDA/ municipal corporation.</li> </ul>
	34. SAS Nagar (Mohali)	<ul style="list-style-type: none"> <li>Draft master plan needs to be submitted.</li> </ul>
Rajasthan	35. Ajmer	<ul style="list-style-type: none"> <li>Draft master plan needs to be submitted.</li> </ul>
	36. Jodhpur	<ul style="list-style-type: none"> <li>The master plan prepared by the consultant needs to be forwarded by Municipal corporation. Municipal Corporation is not taking interest.</li> </ul>
Tamilnadu	37. Coimbatore	<ul style="list-style-type: none"> <li>Request received for Pilot Solar City.</li> <li>Projects proposals needs to be developed.</li> </ul>
Tripura	38. Agartala**	<ul style="list-style-type: none"> <li>More project proposals needs to be submitted.</li> </ul>
Uttarakhand	39. Dehradun	<ul style="list-style-type: none"> <li>Master Plan finalized by committee but final revised master plan yet to be submitted.</li> <li>Projects proposals needs to be developed.</li> </ul>
	40. Haridwar & Rishikesh	<ul style="list-style-type: none"> <li>Master Plan finalized by committee but final revised master plan yet to be submitted.</li> <li>Projects proposals needs to be developed.</li> <li>Request received for Model Solar City.</li> </ul>

State	Cities sanctioned	Issues
	41. Chamoli-Gopeshwar	<ul style="list-style-type: none"> <li>Master Plan finalized by committee but final revised master plan yet to be submitted.</li> <li>Projects proposals needs to be developed.</li> </ul>
Uttar Pradesh	42. Agra	<ul style="list-style-type: none"> <li>Projects proposals needs to be developed.</li> <li>UPNEDA/ Municipal Corporation are not taking interest for further activities.</li> </ul>
	43. Moradabad	<ul style="list-style-type: none"> <li>Projects proposals needs to be developed.</li> <li>UPNEDA/ Municipal Corporation are not taking interest for further activities.</li> </ul>
West Bangal	44. Howrah	<ul style="list-style-type: none"> <li>Draft master plan to be submitted.</li> </ul>
	45. New Town Kolkata	<ul style="list-style-type: none"> <li>Request received for Model Solar City.</li> <li>Proposal for 100 kWpx5 nos. Grid Connected Rooftop is under consideration.</li> </ul>
	46. Madhyamgram	<ul style="list-style-type: none"> <li>Draft master plan to be submitted.</li> <li>Projects proposals needs to be developed.</li> </ul>

### Issues for Discussion

#### (B) In-principle approval given to cities:

State	Cities sanctioned	Issues
<b>Andhra Pradesh</b>	<b>Mahbubnagar</b>	<p>Mahbubnagar Municipality/NRED CAP have to expedite the process of engagement of consultant for preparation of Master Plan so that necessary funds for solar city may be sanctioned by MNRE.</p> <p>Solar City Cell not created</p>
<b>Kerala</b>	<b>Thiruvananthapuram</b>	<p>ANERT/ Respective Municipal Corporations were requested several times to expedite the process of engagement of consultant for preparation of Master Plan so that necessary funds for solar city may be sanctioned by MNRE. No consultant has been appointed so far for preparation of master plan.</p> <p>Solar City Cell not created</p>
	<b>Kochi</b>	<p>No action taken. No consultant appointed for preparation of master plan.</p> <p>Solar City Cell not created</p>
<b>Madhya Pradesh</b>	<b>Indore</b>	<p>Master Plan finalized by committee final revised master plan submitted.</p> <p>Sanction to be issued by MNRE.</p> <p>Solar City Cell not created</p>

	<b>Bhopal</b>	No action taken. No consultant appointed for preparation of master plan. Solar City Cell not created
<b>Rajasthan</b>	<b>Jaipur</b>	No action taken. No consultant appointed for preparation of master plan. Proposed to be cancelled. Solar City Cell not created
<b>Uttar Pradesh</b>	<b>Allahabad</b>	No action taken. No consultant appointed for preparation of master plan. Proposed to be cancelled. Solar City Cell not created
<b>Jammu &amp; Kashmir</b>	<b>Leh</b>	No action taken. No consultant appointed for preparation of master plan. Proposed to be cancelled. Solar City Cell not created
<b>Puducherry</b>	<b>Puducherry</b>	No action taken. No consultant appointed for preparation of master plan. No progress of RE Project sanctioned. Solar City Cell not created

**(C) Proposals received for consideration**

<b>State</b>	<b>Cities</b>	<b>Issues</b>
<b>Rajasthan</b>	<b>Kota</b>	<b>RRECL to forward the proposal. We may replace Jaipur with Kota.</b>
<b>Madhya Pradesh</b>	<b>Jabalpur</b>	<b>Under consideration</b>
<b>Maharashtra</b>	<b>Pune</b>	<b>Under Consideration. Already 6 Solar Cities in Maharashtra.</b>

## Solar Cities and the Corporate House for Partnership

Sr. No	State	Solar Cities	Corporate House
1	Andhra Pradesh	1. Vijaywada* 2. Mahbubnagar	H C L Info Systems Limited, Kyokuto Kaihastu Kogyo Company Limited  Vibha Agrotech Limited, Aurobindo Pharma, NSL Krishnaveni Sugars Ltd
2	Assam	3. Guwahati* 4. Jorhat*	ONGC, IOCL, Tea Board ONGC, IOCL,
3	Arunachal Pradesh	5. Itanagar*	NEEPCO, NHPC
4	Chandigarh	6. Chandigarh *	Bhushan Power & Steel Ltd, Nectar Life sciences Ltd.
5	Chhattisgarh	7. Bilaspur*  8. Raipur*	SAIL, South Eastern Coal Fields Limited (SECL), Coal India Ltd., Bhillai Engineering Corporation Fertiliser Ltd., NTPC ( SIPAT power plant)  Grasim, Ambuja, Lafarge , Century, HPCL, BPCL, Jindal
6	Gujarat	9. Rajkot*  10. Gandhinagar*  11. Surat*	Gujarat Industrial Development Corporation, ISK Bearing Industries Balaji Wafers Pvt. Ltd.  Gujarat State Electricity Corporation Limited (GSECL), TCS, Software Technology Park of India (STPI)  ONGC, GAIL, ABG Shipyard, Narmada Cement, Ambuja Cement,Ultratech Cement,NTPC-KGPP Power Plant, ESSAR Group of Industries (Steel/ Power/ Chemical/ Oil/ Shipping), L&T, Reliance PVC, Reliance Petroleum, Kribhco-Fertilizer mammoth, GSPC, Gujarat Gas, Shell, LNG, Naiko Gas, Rama Paper Mill
7	Goa	12. Panji City*	SESA Goa, Vedanta Resource ,
8	Haryana	13. Gurgaon* 14. Faridabad*	Maruti, DLF,IFCCO <b>NTPC,ESCORTS,</b>
9	Himachal Pradesh	15. Shimla * 16. Hamirpur*	EIH Group of Hotels, Oberoi Hotels NIT Hamirpur

Sr. No	State	Solar Cities	Corporate House
10	Karnataka	17. Mysore*	Infosys, Bharat Earth Movers, J. K. Tyres, Wipro, Falcon Tyres and Larsen & Toubro
		18. Hubli-Dharwad*	Suco Bank
11	Kerala	19. Thiruvananthapuram	Keltron (Kerala State Electronics Development Corporation), Travancore Titanium Products Ltd (TTP), Hindustan Latex Limited, BrahMos Aerospace Private Limited, Oracle Corporation, Infosys, TCS, HCL, Visual Graphics Computing Services, Ernst & Young Global Shared Services Center, Allianz Cornhill, UST Global, Tata Elxsi, IBS Software Services, NeST Software, SunTec Business Solutions, ISRO
		20. Kochi	Fertilizers and Chemicals Travancore (FACT), Travancore Cochin Chemicals, Indian Rare Earths Limited, Hindustan Insecticides Limited, Cochin Shipyard, BCPL, Kochi Refineries Limited, TCS, Wipro, Xerox, Ernst & Young and Cognizant, Coconut Development Board, Coir Board, Marine Products Export Development Authority (MPEDA), Spices Board
12	Maharashtra	21. Nagpur*	Wipro Technologies, Tech Mahindra, HCL Technologies, Hexaware Technologies and Zeon Solution, Gammon India Limited (T & D), Gammon India Ltd. (Infra), Central Workshop, KEC, Hyundai Unitech, ACC Nihon Castings Ltd.[59] Koradi Thermal Power Station and Khaparkheda Thermal Power Station, Mahindra and Mahindra, NECO Ltd, Bajaj Auto group, Candico, Ajanta Toothbrass, Dinshaws, Haldiram, Vicco and Baidynath, Western Coalfields Limited

Sr. No	State	Solar Cities	Corporate House
		22. Thane* 23. Kalyan-Dombiwali*  24. Aurangabad*          25. Nanded* 26. Shirdi*	TCS, Hiranandani, Lodha, Puranik , Gharda Chemicals, TCS, Hiranandani, Lodha, Puranik ,  Audi India Škoda Auto Wockhardt Videocon Siemens Bajaj Auto Johnson & Johnson Colgate-Palmolive Kenstar Endress+Hauser MAN Diesel Sterlite Optical Technologies Franke Greaves Cotton Goodyear Forbes Gokak Ltd Baxter Lombardini India Intelenet Global Services Mahyco Seeds / Monsanto Guru Govind Singh Engineering College Shirdi Sai Sansthan
13	Madhya Pradesh	27. Indore       28. Gwalior*  29. Bhopal    30. Rewa *	Kinetic Honda Onida Saka Prestige Group Bajaj Tempo Bridgestone Eicher Motors Larsen and Toubro Hindustan Motors Crompton Greaves Cipla Piramal Healthcare Ranbaxy Laboratories UFlex (Flex Industries Ltd), SRF, Ranbaxy Laboratories, Cadbury, J. K. Tyres, Surya Bulbs, SiyaRam BHEL, DB Corp, Hindustan Electro Graphite (HEG), owning the largest graphite electrode plant in the world and is the largest industrial company in the entire state. Hindustan Electro Graphite (HEG) and Lupin Laboratories ltd, Makson group of company, Eicher Tractors Jaypee Group, Birla , Prism Cement
14	Manipur	31. Imphal*	Assam Rifles
15	Mizoram	32. Aizawl*	Assam Rifles, Boarder Road Organisation
16	Nagaland	33. Kohima* 34. Dimapur *	Assam Rifles, Boarder Road Organisation
17	Delhi	35. New Delhi (NDMC area) *	DMIC, DMRC, Mother diary
18	Orissa	36. Bhubaneswar*	POSCO, Jindal Steel,
19	Punjab	37. Amritsar* 38. Ludhiana* 39. SAS Nagar (Mohali)*	Mohan International Hotel, Hero Group of Industries , Kanin India Ltd. Ranbaxy Laboratories, Punjab Tractor Ltd.,

Sr. No	State	Solar Cities	Corporate House
20	Rajasthan	40. Ajmer * 41. Jaipur 42. Jodhpur*	NIT Jaipur
21	Tamil Nadu	43. Coimbatore *	PSG, Ramaraj Group of Industries
22	Tripura	44. Agartala*	<b>ONGC, GAIL, BSNL, AAI, NEEPCO, TSECL</b> (Tripura State Electricity Corporation Limited)
23	Uttarakhand	45. Dehradun* 46. Haridwar&Rishikesh * 47. Chamoli-Gopeshwar *	ONGC, State Infrastructure and Industrial Development Corporation of Uttarakhand Ltd. BHEL, Tehri Hydro Power Corporation Ltd. ---
24	Uttar Pradesh	48. Agra* 49. Moradabad* 50. Allahabad	Oberoi, Taj Hotels Brass Industries Bharat Pumps & Compressors Ltd. , NIT Allahabad
25	West Bengal	51. Howrah* 52. Madhyamgram 53. New Town Kolkata *	Coal India Ltd., Indian Steel Limited, Eastern Coal Field, IOCL, Birla Group, Garden Reach & Shipbuilders Ltd., Goenka Group
26	Jammu & Kashmir	54. Leh	----
27	Puduchhery	55. Puduchhery	Vinbros and Co.,