

महाराष्ट्र शासन

क्रमांक : एनोएन-२०१८/प्र.क.पु/३३०
उद्योग, ऊर्जा व कामगार विभाग,
तिसरा मजला, मंत्रालय,
मुंबई ४०० ०३२.
दिनांक : २१ फेब्रुवारी, २०१९.

प्रति,

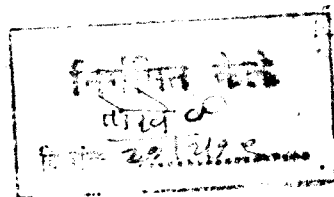
महाव्यवस्थापक,
महाराष्ट्र ऊर्जा विकारा अभिकरण (महाऊर्जा),
पुणे.

विषय : राज्याचे ऊर्जा संवर्धन धोरण २०१७ चे इंग्रजीमधील अनुवादास मान्यता देणेबाबत.

संदर्भ : महाऊर्जाचे पत्र क्र.इसीएन/२०१८-१९/सीआर-४३/५२३२,
दि.३१.१२.२०१८.

महोदय,

संदर्भिय पत्रान्वये आपणाकडून पाठविण्यात आलेला ऊर्जा संवर्धन धोरण २०१७ चा अनुवाद मराठी भाषा विभागाच्या भाषा संवालातील भाषा तज्ज्ञांच्या पॅनलमधील तज्ज्ञांमार्फत तयार करण्यात आल्याचे आपणाकडून कळविण्यात आले आहे. त्यास या विभागाची मान्यता कळविण्यात येत आहे.



आपला,

(ना.रा.ढाणे)

शासनाचे अवर सचिव

State Energy Conservation Policy, 2017.

Government of Maharashtra
Industries, Energy and Labour Department,
Government Resolution No. NCE 2015/Case No. 378/Energy-7
Hutatma Rajguru Chowk, Madam Kama Road,
Mantralaya, Mumbai – 400 032
Date: 22 June, 2017

Read-

- 1) Industries, Energy and Labor Department, Government Resolution No. ECN-1804/Case No. 276//Energy-1, dated 30 April, 2005.
- 2) Industries, Energy and Labor Department, Government Resolution No. NCE-2009/Case No. 10/Energy-7, dated 21 January, 2010.
- 3) Industries, Energy and Labor Department, Government Resolution No. NCE-2011/Case no.188/Energy-7 dated 1 July, 2011.
- 4) Industries, Energy and Labor Department, Government Resolution No. NCE-2011/Case No. 187/Energy-7 dated 14 February, 2013.

Preface -

Due to growing development and the enhancement of life style of citizens in the state, the demand of energy is increasing day by day. A large demand of energy will be generated in future due to growing urbanization and industrialization. As most of the electricity produced currently is by thermal mode, emission of green house gases on large scale is evident. The crisis like ' global warming' and 'climate change' are prevalent due to emission of green house gases as fossil fuels like Coal, Oil and natural gas are used for generation of energy. Since Human Development Index is coordinated with energy used and since fossil

fuel deposits are limited, the development may have adverse impact because of shortage of fossil fuel. In order to minimize the adverse effects of all this, it has become necessary to use fossil fuels economically and efficiently. Central government has passed energy conservation act 2001 by considering the importance of energy saving.

At present, as the efficiency of most of the electrical/energy equipments is less, there is huge loss of electricity/ energy. The technology offering efficient use of electricity / energy is being developed and such technology is improving day by day and it is a continuous process. Electricity or energy saving is permanently going to be a kind of source of energy. As per a report of Bureau of Energy Efficiency (B. E. E.), New Delhi established for implementing Energy Conservation Act 2001 at national level, there is scope for saving 20 % to 30 % energy in all sectors. Considering this scope, it is necessary to promote the use of new and latest technologies for energy conservation. While generating electricity from coal, water is used on large scale. If we save electricity, water will be automatically saved. It will also help in reducing pollution which, in turn, will reduce the decay of environment.

Hence, citizens should adopt the culture of energy conservation and Energy Efficiency in all sectors. If the knowledge about it, is provided in the student life, its good effects will be seen in future generations. All government / semi government departments should take lead in their area of operation for conservation of energy and make a start in this field. While purchasing energy equipments by government / semi government establishment, the energy efficiency criteria of equipments should be considered. Also it is necessary to erect new

buildings / roads / street lights / water supply systems based on energy efficiency criteria. Maharashtra energy Development Agency (MEDA / Mahaurja) has been nominated as designated agency for the implementation of Energy Conservation Act 2001. Along with the implementation of various schemes of BEE New Delhi, MEDA undertakes activities such as;

Providing financial assistance to industries / commercial buildings / residential buildings to conduct their energy audit, to provide financial assistance for implementing energy conservation pilot projects in government / semi government buildings, to implement save energy program for street lights / water supply schemes of Municipal Councils / Municipal Corporations, to implement PAT (Perform, Achieve and Trade) scheme in large scale industries in line with Energy Conservation Act 2001, to conduct capacity building programmes for all sectors, to conduct energy conservation award scheme, to create awareness through various media. As per the provisions of Energy Conservation Act 2001, Central Government through B.E.E. New Delhi is implementing various schemes and programs in the country, resulting saving of 16,968 MW power generation capacity till March 2015. The schemes of B. E. E. New Delhi are as follows:

- Standards and Labelling program for energy equipments (S & L Program)
- National Mission for Enhanced Energy Efficiency and PAT scheme for 11 types of large scale industries.

MEDA assist BEE, New Delhi for implementing the above programs in Maharashtra state. However, regarding other industries / commercial buildings / residential buildings, it is necessary to frame a state government policy. The fuel reserves in the country are limited. Coal, oil and gas are imported at large scale and subsidy is provided for it. Hence, it is important to use energy with more and more

efficiency and economically. According to energy audit conducted by MEDA and numerical statistics provided by a by BEE New Delhi the scope for energy conservation in various fields can be stated as follows.

- Street lights and water supply - 20%
- Residential sector - 20%
- Business Sector - 30%
- Industrial sector - 25%
- Agriculture sector - 30%

As per the above statistics, it is possible to save the possible growth in electricity generation capacity to the tune of 3700 MW. Also, it is possible to save 20 % to 30 % fuel out of the present use of fossil fuels; namely coal, mineral oil, and gas.

For replacement of old equipments with latest new technology equipments capital investment is required. For this purpose, it is necessary that banks, financial institutions should provide loans required for energy efficiency projects and also give preference to such energy conservation projects. Some companies are active who make their own investments in energy conservation sector and recover returns on their investments from the energy savings for specified periods. Such companies are called as ESCO (Energy Service Companies). If energy conservation projects are implemented on ESCO principle and if ESCO establishments grow in numbers, then the capital raised in this sector will be available for re-investment in this sector again. Also new employment opportunities will be generated. If there is a government policy for providing incentives to energy efficient technologies, then energy efficient technologies will

spread rapidly and all sectors will take initiative for energy conservation. Announcement of independent policy with the target of 1000 MW for energy saving by implementing energy efficient program in various sectors for next five years, was under the consideration of the Government.

Government Resolution -

An approval is being given vide this Government Resolution for implementation of Energy Conservation Policy 2017 in the state of Maharashtra.

1. Objectives of Energy Conservation Policy: -

1. To effectively implement Energy Conservation Act 2001 and to generate infrastructural facilities in the state which are necessary for it.
2. To achieve energy-saving target of 1000 MW in various sectors during period from FY 2017 - 18 to FY 2021 - 22 and also to reduce carbon emission through that.
3. To reduce the encumbrance of subsidy on government by the way of saving of electricity, oil, gas.
4. To promote energy saving/energy efficient technology like use of LED technology on large scale, use of LED's in the street lights in the areas of Municipal Councils / Municipal Corporations.
5. To promote large scale implementation of energy saving projects in residential / commercial buildings and industries on ESCO principle. Preference should be given for energy savings in government / semi government organizations and local self government bodies.
6. To implement special program on energy conservation in order to reduce technical losses in electricity generation projects, electricity transmission

projects and electricity distribution projects, which helps to reduce electricity tariff rates.

7. To include/incorporate energy conservation subject in the syllabus of various levels in School Education / College Education / Polytechnics / Engineering colleges and Industrial Training Institutes.
8. To start a course named B. Sc. Renewable Energy in the subject of new and renewable energy. To start short term certificate courses related to new and renewable energy subject.

2. Sector wise Energy Conservation Programs be implemented under state Energy Conservation Policy as follows

1. Industry: -

- 1.1 It will be binding on all commercial consumers like Malls & Multiplexes and industrial consumers in the state whose contract demand is 1000 KVA or more, to get energy audit conducted through energy audit companies registered with MEDA and to implement on the audit report of such audit within 2 years, under the sections 3, 6, 6A (1) and 6A (2) of Bombay Electricity (Special Power) Act 1946.

Above mentioned things will be implemented by Chief Electricity Inspector of Energy Department. Energy audit reports and respective implementation reports will be displayed on website and by other ways. The guiding instructions related to it will be separately issued by MEDA on approval from government.

- 1.2 ISO 50001 for Industries – Industries will be encouraged for energy management system certification. Financial assistance of 50% of the cost of

such certification and training program up to a maximum of Rs. 50,000/- will be provided to industries by MEDA.

- 1.3 There are about 5 lakhs micro, small and medium scale Enterprises (MSME) functioning in Maharashtra state. The network of various industries is spread throughout the state. It is extremely essential to enhance energy efficiency in all these Industries. Cluster development program will be implemented by MEDA, in collaboration with department of industries, on pilot basis. The information about successful programs among them will be provided to other industries so that energy conservation program will be implemented in other industries also. A target is set to implement such pilot programs in at least 100 clusters during coming 5 years.
- 1.4 A special training program based on energy efficiency will be started for technician level staff in various industries in order to enhance energy efficiency in those industries.

2. Commercial Buildings / Government Buildings -

- 2.1 In accordance with section 14(p) read with implementation section 15 of Energy Conservation Act 2001, for the implementation of energy conservation building codes in the commercial buildings, amendment will be done in the State's Development Control Rules. For the effective implementation of energy conservation building codes and to meet the requirement of man power, capacity building programs will be conducted by MEDA for architects, engineers, technicians etc. Certification process for ECBC assessor will be conducted by MEDA & list of certified experts in this field will be made available. ECBC will be made applicable to all

new commercial buildings to be constructed in the state after one year from the date of notification of this policy.

- 2.2 All Government / Semi-Government / local self-government bodies/Government Undertakings / Companies in the state having office premises / industries whose annual bill is Rs. 5 Lakhs and more shall conduct energy audit from MEDA's empaneled energy auditor companies and shall carry out its implementation during next 3 years.
- 2.3 All Government / Semi-Government /Government aided institutions / offices new buildings in the state, henceforth, will be constructed on the concept of green building / ECBC. For this purpose, Public Works Department will do necessary amendment in the Current Scheduled Rates (CSR). The special training programs / workshops will be organized by MEDA for the engineers working with Public Works Department.
- 2.4 Tube lights / street lights are being purchased for government / semi government buildings under lighting scheme. Only LED lights will be used for lighting schemes in Government / Semi-government buildings. Various technologies will be used in Government / Semi-Government buildings for Energy Management System (EMS) / mechanism, Voltage Optimization, energy savings in computers.

3. Municipal Councils / Municipal Corporations

- 3.1 For the implementation of energy saving projects in street lights and water pumping schemes of Municipal Council / Municipal Corporation on ESCO basis and to make it viable, financial assistance of maximum Rs 50.00 Lakhs will be provided by MEDA to the Municipal Council / Municipal Corporation. Tender document, draft model agreement and terms and

conditions therein for Municipal Council / Municipal Corporation will be prepared by MEDA with the help from Urban Development Department. Urban Development Department will constitute state level committee for this purpose. Representative of MEDA will be the part of committee.

- 3.2 To promote green building construction, Urban Development Department will implement the schemes such as rebate in development charges, additional F.S.I and rebate in property tax etc.
- 3.3 All Municipal Corporations, Municipal Councils, Maharashtra Jeevan Pradhikaran, Maharashtra Industrial Development Corporation, Grampanchayat in the state having water supply schemes whose annual electricity bill is more than Rs. 25 lakhs, should carry out investment grade energy audit from MEDA's empanelled energy auditor companies within next 2 years. Implementation of measures recommended in the energy audit report shall be mandatory to all concerned. Accordingly, Urban Development Department / Rural Development Department/ Water Supply & Sanitation Department shall separately notify order in this matter.
- 3.4 Sunlight sensor switches /almanac timer shall be mandatorily used for switching OFF/ON the street lights of all Municipal Corporations / Municipal Councils in the state.
- 3.5 Henceforth, while installing any new street lights it is mandatory for all Municipal Councils / Municipal Corporations / Development Authorities / Grampanchayats / Maharashtra Industrial Development Corporations / Zilla Parishads / Public Works Department as well as all Government /Semi-Government departments to install only LED street lights.

4. Agriculture Sector –

4.1 It shall be mandatory to install 5 starred rated pump while releasing any new connection from Mahavitaran for agriculture pumps. Mahavitaran will issue detailed guidelines for this purpose. Also the pumps purchased / subsidies given on pumps for the purpose of distribution to farmers through Government departments such as Agricultural Department, Panchayat Samiti, Zilla Parishad etc. shall be five stars label only.

5. Electricity Distribution Companies (Industry, Energy and Labour Department)

5.1 Electricity distribution companies will give preferences to implement Demand Side Management (DSM) program in their area of supply. Electricity Distribution companies will conduct feeder-based energy audit and will take up measures like replacement of transformers, installation of capacitors, to evade electricity loss and will monitor such measures. Mahavitaran company will implement such scheme for at least 100 feeders during next 5 years. State government through MEDA will provide financial assistance of 50 % of the cost incurred for energy audit or up to a maximum of rupees 50 lakh per project for the implementation of measures suggested in audit report.

5.2 A star label program is being implemented by BEE, New Delhi for distribution transformers to enhance the energy efficiency. Accordingly, electricity distribution companies will buy transformers having at least three star rating while purchasing new Transformers.

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- 5.3 Mahavitaran supplies electricity to the street lights in the villages. These street lights are installed on the Mahavitaran's distribution poles. However, currently incandescent bulbs, CFLs, tube lights etc. have been using for street lighting purpose. Mahavitaran shall replace street lights in the villages with LED street lights on the ESCO basis, due to which saving of around 100 MW will be achieved in high peak demand. For this purpose, Mahavitaran will prepare the scheme & submit it to the government. After the installation of LED street lights, maintenance & repairing centers along with toll free telephone numbers for this shall be made available by Mahavitaran at Taluka level.
- 5.4 All electricity distribution companies shall carry out the programs for their distribution network area as well as programs for their consumers on load research, demand response, energy management, installation of energy efficient equipments, power factor improvement, energy efficiency, energy audit, awareness campaign etc. every year & will submit its report to Government.
- 5.5 To enhance the efficiency of electricity distribution system and also at consumers end, all distribution companies shall implement various programs on ESCO (Energy Service Company) basis & submit its report to Government at the end of financial year.
- 5.6 To reduce the technical losses in the distribution network, all electricity distribution companies shall constitute independent energy conservation cell at State level, Divisional Level & District level. The independent energy conservation cell at state level should be headed by at least superintending

engineer level official, so that special attention to be given to energy conservation subject/projects.

- 5.7 Mahavitaran will take up the program of installation of prepaid meter and smart meter. Such activities will be implemented at some divisions on pilot basis and then extend the scope. ToD tariff shall be made applicable to maximum consumers, whose connected load is 5 KW & more. The programme on replacement of meters should be taken up for this purpose.
- 5.8 Capacitor bank should be installed to maintain the power factor at 0.95 at the distribution transformer's substation.
- 5.9 Some 11/0.44 KV & 33/11KV substations of distribution system should be controlled by latest technology systems like SCADA / Central Energy Controlling system on pilot basis. Such projects shall be controlled at state level. After ascertaining their progress, scope of such projects should be extended further.
- 5.10 LT / HT level should be maintained at minimum. For the implementation of High Voltage Distribution system (HVDS), at least one project shall be taken up and monitored on pilot basis at each division. For this purpose, project report should be prepared and submit it to government for the availability of funds.
- 5.11 For the adoption of Energy Conservation Policy, special efforts such as technical awareness about this subject at all level, continuous follow up, creation of awareness etc., required to be taken. Every year BEE, New Delhi conducts examination for Energy Manager and Energy Auditor. Those officers/employees who have passed the energy auditor exam and have taken

special efforts for energy conservation in their respective fields, one additional increment to be given in their salary as a part of encouragement.

5.12 It will be binding for Electricity Distribution Company to conduct blueprint energy audit prior to taking up any project costing more than Rs. 5 crores for improving Electricity Distribution.

6. Energy Generation Companies

6.1 Energy generation companies are included as designated consumers as per the Energy Conservation Act 2001. As per the provisions of the said act, it will be binding on energy generation companies to achieve the targets of energy savings given to them.

6.2 Efforts should be made for the promotion of energy conservation in electricity generation projects so that a considerable saving of natural resources like coal, gas and fuel oil, water etc. and reduction in carbon emission as (CO₂ emmissions) could be achieved.

6.2 Energy generating stations need to take special efforts in terms of reduction in their auxiliary power consumption and mandatorily to comply with the year wise targets given by Maharashtra Electricity Regulatory Commission. For this purpose, report should be submitted to government at the end of each financial year. In this regard, all power generating stations / units shall give special attention towards energy saving in their HVAC system, lighting, compressor, battery charger, fan, motors, water pumps etc. Solar energy should be used in power generating stations & their colonies. For the implementation of this policy, MSPGCL (Mahagenco) will conduct the energy audit of power generating stations & prepare the power station wise

energy audit report. State government will provide the financial assistance of maximum Rs 1.00 Crore per project. For this purpose, by preparing the report, the proposal shall be submitted to government for the availability of fund.

- 6.3 MSPGCL shall constitute energy conservation cell at state level. The cell should be independently controlled by superintending engineer and above rank official. Also, the independent manpower should be made available under them. MSPGCL shall also encourages those officers / employees who have passed the energy auditor exam conducted by BEE, New Delhi and have taken special efforts for energy conservation in their respective fields, by giving one additional increment in their salary.

7 Electricity Transmission Companies

- 7.1 Electricity Transmission Companies shall implement the Energy Conservation program for all substations, transmission lines, buildings, load dispatch centers. Implement programmes such as installation of the capacitor banks in order to reduce the transmission losses and to improve the power factor, use of solar energy for charging the batteries in the yard, install LED lighting etc. For the successful implementation of this policy, MSETCL (Mahatransco) shall conduct the energy audit & prepare the project report for onward submission to the government for the availability of fund.
- 7.2 MSETCL shall constitutes Energy Conservation Cell at state level. The cell should be independently controlled by superintending engineer and above rank official. Also, the independent manpower should be made available under them for energy conservation cell.

- 7.3 All transmission companies should encourage those officers / employees who have passed the energy auditor exam conducted by BEE, New Delhi and have taken special efforts for energy conservation in their respective fields, by giving one additional increment in their salary.
- 7.4 Ultramodern Training Centre will be set up by MSETCL to impart training on energy conservation / energy management to the officials of electricity distribution companies, electricity generation companies and electricity transmission companies in the state. Training centre shall be controlled, managed and governed by MSETCL.
- 8. Scheme for Implementation of Energy Conservation Projects and Encouragement for Energy Efficiency.**
- 8.1 The development for energy efficiency is being made day by day in energy consuming equipments, techniques & process and it is a continuous process. It is essential to encourage the use of new energy efficient technologies. The projects on energy saving / energy efficiency should be implement on ESCO basis at large as well as banks should come forward for providing the financial assistance to these projects; wherein projects on energy savings /energy efficiency at residential buildings, commercial buildings, Industries (small & medium), Industries (large) etc. shall be implemented on ESCO basis for providing financial assistance. For this purpose, MEDA shall register the ESCO companies. For the implementation of the scheme, MEDA will issue guidelines with due approval from the government, wherein government will reserve the rights to make any changes in it as per the requirements.

Financial assistance will be made available under this scheme to the energy consumers under ESCO based projects, are as follow.

Sr. No.	Type of Consumer	Annual Energy Bill (Electricity+ Energy) (Rs in Lakhs)	Financial Assistance(Rs)
1.	Residential Buildings	Rs. 12 Lakhs to Rs. 25 Lakhs	20% of the project cost OR maximum Rs. 3 Lakhs, whichever will be less.
2.	Residential Buildings	Above Rs. 25 Lakhs	20% of the project cost OR maximum Rs. 5 Lakhs, whichever will be less.
3.	Commercial Buildings	Rs. 25 Lakhs to Rs. 50 Lakhs	20% of the project cost OR maximum Rs. 10 Lakhs, whichever will be less.
4.	Commercial Buildings	Above Rs. 50 Lakhs	20% of the project cost OR maximum Rs. 20 Lakhs, whichever will be less.
5.	Industries	Rs. 25 Lakhs to Rs. 50 Lakhs	20% of the project cost OR maximum Rs. 10 Lakhs, whichever will be less.
6.	Industries	Rs. 50 Lakhs to Rs. 100 Lakhs	20% of the project cost OR maximum Rs. 15 Lakhs, whichever will be less.
7.	Industries	Above Rs.100 Lakhs	20% of the project cost OR maximum Rs. 20 Lakhs, whichever will be less.

8.2 Enhance energy efficiency of energy consuming equipments / machinery / process, by co-ordinating with concerned consumers, manufacturers and distributors to suggest required changes therein as well as encourage the production of energy efficient equipments/machinery/process & encouragement their usage, conduct demonstrations, reduce or prohibit the use of inefficient equipments etc. policy measures shall be undertaken by MEDA with the approval of Government. Considering the increase in

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electricity usage in air-conditioning systems, more measures should be taken in this sector.

- 8.3 Encourage the usage of electric cars/scooters in order to enhance the energy efficiency of transportation sector. To make the general public aware of electric car/scooter, the scheme of providing financial assistance for purchase of electric car/scooter shall be implemented by MEDA with the approval of government.

9. Inclusion of Subjects on Energy Conservation / Energy Management / Energy Efficiency & New and Renewable Energy in Academic Syllabus, Energy Education, Capacity Building & Public Awareness as well as Create Basic Infrastructure for Energy Conservation.

- 9.1 MEDA will prepare syllabus for inclusion of Energy Conservation subject in school curriculum to create awareness about energy conservation at school level. Department of School Education will take necessary action for inclusion of energy conservation syllabus in school curriculum.
- 9.2 Inclusion of subjects on Energy Conservation in syllabus of Industrial Training Institutes, Diploma Engineering & Degree Engineering. This will include the subjects on Energy Management, Energy Audit & New and Renewable Energy. Higher & Technical Education Department will take necessary action regarding this and MEDA will provide necessary assistance for that purpose.
- 9.3 Short Term Certificate Courses on New & Renewable Energy subjects will be conducted in Industrial Training Institutes. During first phase, MEDA will provide financial assistance to start syllabus / training program in

- Government Industrial Training Institutes at Divisional Revenue Head Quarter of the State, which includes laboratory set-up & teachers training.
- 9.4 MEDA will provide financial assistance of Rs. 50.00 Lakhs for setting up of laboratory atleast in one government aided science college from all Non-Agriculture Universities to start up B.Sc. Renewable Energy Course. Also financial assistance of Rs. 40.00 Lakhs will be given to one Governmnet Industrial Training Institute at district level.
- 9.5 MEDA will conduct necessary programs for public awareness & capacity building in all sectors. Every year 14 December will be celebrated as a “Energy Conservation Day” & 14 December to 20 December as “Energy Conservation Week”.
- 9.6 Energy Conservation Award scheme will be implemented by MEDA for all sectors.
- 9.7 To augment the energy audit companies as well as to encourage energy audit companies in the state, MEDA will provide financial assistance of Rs. 3 lakhs or maximum 50% of procuremnet cost whichever will be less, to the energy audit companies for the procurement of measuring instruments.
- 9.8 MEDA shall set up laboratory for testing the efficiency of materials used energy efficiency / for construction of green buildings.
- 9.9 MEDA will set up large laboratories at Nagpur & Mumbai for testing of LED lamps / fittings as per the standards in the state. Also encourage the NGOs working in small industries/electronic cluster/engineering colleges/government - semi government research centres, LED manufacturers and industries for setting up the small laboratories.

- 9.10 Laboratory having set up of actual apparatus will be set up by MEDA for giving training to the engineers working in the industries for conducting the energy audit.
- 9.11 Encouragement will be given for the installation of solar energy system on the boats used for the fishery business along the sea shore.
- 9.12 CSR scheme should be implemented by various private establishments in the state for increasing the use of new & renewable energy sources and the funds collected from this, shall be utilised for the implementation of proposed policy.
- 9.13 The rotating solar energy pumps should be manufactured and used for lifting the water for agriculture and other works in drought hit area & power shortage area and such pumps shall be made available for needy farmers by creating the groups of drought villages in the state.
- 9.14 The environment department while approving the projects which are received for sanctioning purpose, should ensure that the project promoter is achieving minimum 30% of energy out of total energy used from new and renewable energy sources, for which it is appealing before all project promoters for this purpose.
- 9.15 Small grid will be created up by using solar energy and wind energy in rural area.
- 9.16 Solar energy systems being a source of new and renewable energy should be installed on roof of existing companies warehouses as well as other roofs in the state.

- 9.17 Use of biogas, bio-methanation and solar energy is mandatory for existing Malls, Hotels etc. in the city.
- 9.18 For maximum use of new and renewable energy sources and for saving of energy the public awareness/education/campaigning program should be implemented.
- 9.19 All Government/Semi-government/Private Institutions shall take technical sanction from MEDA while implementing Energy Conservation Policy 2017. Administrative approval shall not be given without technical sanction from MEDA.

10. Manpower requirement for implementation of Energy Conservation Policy: -

Necessary manpower as & when required for the implementation of this Policy, will be made available by MEDA on contract basis with the approval of Government.

11. Provision of Funds for Implementation of Energy Conservation Policy:

- 1) For the implementation of this Policy, expenditure of around Rs 807.63 Crores is expected in the next five years. Government Resolution for grant of subsidy for each scheme to be implemented under this policy shall be notified separately. Also, the approval of Planning and Finance department shall be taken while disbursement of the funds. Expenditure required for this scheme will be managed from the allocated funds for the department.
- 2) As per the Rule no. 6 (Z) of Maharashtra State Energy Conservation Fund Rules formed in line with Industries, Energy and Labour Department

Notification dated 14/02/2013, funds will be made available for the implementation of this policy from the funds/revenue collected yearly from Tax On Sale of Additional Electricity, for which approval of finance department will be taken as per the requirement.

- 3) Funds required for the implementation of this policy will be made available to MEDA/Concerned department by government.
- 4) Under this policy, for the implementation of schemes/project's installation & commissioning, to make promotional things applicable, to make necessary changes in the act as per requirements for the effective implementation of policy, to make rules, notification of schemes as well as for the implementation of policy and schemes, separate independent Methodology will be issued. All scheme's measures mentioned in this policy shall be implemented by MEDA and other concerned government departments/companies independently.

This Government Resolution is being issued with the approval of concerned departments by informal reference no. 23/1461, dated 30/1/2017 of Planning Department and informal reference no. 129/17/vyaya -16 dated 12/5/2017 of Finance Department.

This Government Resolution is made available on website of Government of Maharashtra www.maharashtra.gov.in & its nominal code is 201706221603205210. This Order is being issued by digital attested signature.

By the Order & name of Governor of Maharashtra.

(Ashok Atram)
Joint Secretary (Government of Maharashtra)

Copt to,

1. Principal Secretary of Hon'ble Governor, Maharashtra State, Raj Bhavan, Mumbai,
2. Additional Chief Secretary of Hon'ble Chief Minister, Maharashtra State, Mantralaya, Mumbai,
3. Private Secretary of All Ministers/ All State Ministers,
4. All Assembly members, Vidhan Bhavan, Mumbai,
5. Chief Secretary, Maharashtra State, Mantralaya, Mumbai,
6. Additional Chief Secretary (Finance), Finance Department, Mantralaya, Mumbai,
7. Principal Secretary (Planning), Planning Department, Mantralaya, Mumbai,
8. Principal Secretary (Agriculture), Agriculture, Animal Husbandry, Dairy Development and Fisheries Department,
9. Personal Assistant of all Additional Chief Secretary/Principal Secretary/Secretary, all departments of Mantralaya, Mumbai,
10. All Divisional Commissioners,
11. All District Collectors,
12. Chief Executive Officer, all Zilha Parishad,
13. Accountant General, Maharashtra State, Mumbai/Nagpur,
14. Resident Audit Officer, Mumbai,
15. Secretary, Maharashtra Electricity Regulatory Commission, Mumbai (by letter),
16. Managing Director, Maharashtra State Electricity Board Holding Company Limited, Mumbai,
17. Managing Director, Maharashtra State Electricity Distribution Company Limited, Mumbai,

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18. Managing Director, Maharashtra State Electricity Generation Company Limited, Mumbai,
19. Managing Director, Maharashtra State Electricity Transmission Company Limited, Mumbai,
20. Director General, Maharashtra Energy Development Agency (Mahaurja), Pune,
21. Dy. Secretary / Energy -3, Industries, Energy & Labour Department, Mantralaya, Mumbai,
22. All Desks in Energy Sub Divisions, Industries, Energy & Labour Department, Mantralaya, Mumbai,
23. Selection file, Energy-7, Industries, Energy and Labour Department, Mantralaya, Mumbai.
