**ACTION PLAN**

Bangladesh Energy Transition Policy (ETP)-2022

Consumer Association of Bangladesh (CAB)

(Proposed)

**8.1.0 Strategic Theme: Ownership and entitlement on energy.**

**Action Plan:**

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| **Sl** | **Action Item** | **Implementing Authority** | **Expected Benefits** | **Short Term****02 year** | **Mid Term****05 year** | **Long Term****10 Year** |
| 8.1.1(a) | Energy and Electricity shall be declared as “public goods”. | Cabinet, Ministry of Law, MOEPMR, Ministry of Planning. | Enable to ensure Right to Energy. | "✓" |  |  |
| 8.1.1(b) | Provisions in current energy policies that violate the fundamental principle of "people's right to energy" must be repealed. | Cabinet, Ministry of Law, MOEPMR, Energy and Mineral Resources Division, Power Division, Utility, BERC, SREDA, | Legal safeguard in policy framework for Consumers right to energy. | "✓" |  |  |
| 8.1.1(c) | State will pursue Energy accessibility at affordable cost for the Consumers. | MOEPMR, Energy and Mineral Resources Division, Power Division | Universal Access to energy &electricity, |  | "✓" | "✓" |
| 8.1.1(d) | Consumer rights violation by any party shall be bringing under the jurisdiction of law | CAB, Ministry of Commerce, CC, Ministry of LAW, MOEPMR, Utility | Protection against violation of its Right to Energy | "✓" |  |  |
| 8.1.1(e) | Energy supply principle shall be extensively prioritized to poor and marginalized consumers | Planning Commission, Ministry of Finance, MOEPMR, Energy and Mineral Resources Division, Power Division, Utility. | Help to achieve Energy for all. | "✓" | "✓" |  |
| 8.1.1(f) | The energy supply will be dedicated to poverty eradication and living standard improvement. Incentivized and Least-cost energy shall be available for Agriculture, SME, Cottage Industries, public transport etc. | Planning Commission, Ministry of Finance, MOEPMR, Energy and Mineral Resources Division, Power Division, Utility. | Poverty Eradication, Improved life standard. | "✓" | "✓" |  |
| 8.1.1(g) | Environmentally sustainable energy policies must be put into place to safeguard the future. | Ministry of Environment, forest and climate change, Ministry of Energy, Power and Mineral resources, | Environment sustainability, safe future |  | "✓" | "✓" |
| 8.1.1(h) | There will be no privatization in the energy/power sector if it weakens public control over the market, private sector activity, and the energy supply chain. | Cabinet, Ministry of Law, MOEPMR, Ministry of Planning. Ministry of Finance | Public control and Ownership |  | "✓" | "✓" |
| 8.1.1(i) | To make public sector energy utilities more efficient and dynamic, necessary actions must be taken. | MOEPMR, Ministry of Planning. |  Efficient public sector makes better energy related public service delivery. | "✓" | "✓" |  |
| 8.1.1(j) | Achieving sound financial health in the energy and power sectors is essential. To do so, the government must prevent corruption by ensuring efficiency, transparency, and accountability so that all investments yield positive return. | Cabinet, Ministry of Law, MOEPMR, Energy and Mineral Resources Division, Power Division, Utility, BERC, SREDA. | Energy Security and financial Sustainability. |  | "✓" | "✓" |
| 8.1.1(k) | Complete state control shall be acquired and avail all energy form all domestic or foreign sources. | MOEPMR, Energy and Mineral Resources Division, Power Division, Utility, Petrobangla, BPC, BAPEX, BERC | Energy Sovereignty ensured. |  | "✓" | "✓" |
| 8.1.1(l) | Domestic organizations must be technically and financially empowered to explore and acquire domestic primary fuel. | MOEPMR, Energy and Mineral Resources Division, Power Division, Utility, Petrobangla, BPC, BAPEX, | Capable Domestic entities for energy security |  | "✓" |  |
| 8.1.1(m) | Gradual reduction of external dependency to harness primary fuel. | MOEPMR, Energy and Mineral Resources Division, Power Division, Utility, | Help to achieve self-reliance of energy exploration |  | "✓" |  |
| 8.1.1(n) | IOCs shall be employed to explore and acquire primary fuel in effective competitive manner. | MOEPMR, Energy and Mineral Resources Division, Petrobangla | Primary Energy Supply form IOCs in economical way. |  | "✓" |  |

**8.2.0 (i) Strategic Theme:**  **Energy sector to be developed strategy.**

**Action Plan:**

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| **Sl** | **Action Item** | **Implementing Authority** | **Expected Benefits** | **Short Term 2 year** | **Mid Term****05 year** | **Long Term****10 Year** |
| 8.2.1(a) | The government will allocate sufficient resources for capacity development of indigenous primary fuel production and exploration.  | MOEPMR, Energy and Mineral Resources Division, Power Division, Ministry of Finance, Utility. | Sooth energy supply and improve Indigenous capacity | "✓" | "✓" |  |
| 8.2.1(b) | Increasing harnessing the domestic primary fossil fuel only in consideration of energy security and least cost energy to the consumer at mid-term planning. | MOEPMR, Energy and Mineral Resources Division, Power Division | Help access to continuous and affordable energy. |  | "✓" |  |
| 8.2.1(c) | Taking initiative to make Domestic institutions capable for the exploration and production of indigenous primary fuel. | CAB, MOEPMR, Ministry of Finance, PetroBangla, BAPEX, Utility | Help to increase capabilities of Domestic institutions. | "✓" | "✓" |  |
| 8.2.1(d) | Build cost-effective energy import infrastructure so that the government can benefit from the price volatility of the world energy market. | MOEPMR, Ministry of Finance, PetroBangla, BPC, MoEPMR, Utility | Cost effective energy import for energy security. | "✓" | "✓" |  |
| 8.2.1(e) | Develop a Standard Operating Procedure (SOP) for cost effective electricity and energy import. | MOEPMR, Ministry of Finance, PetroBangla, BPC, MoEPMR, Utility Power Division, Utility. | Cost effective energy import for energy security. | "✓" |  |  |
| 8.2.1(f) | Participate in regional or global energy trade in a winning strategy.  | MoPEMR, Ministry of Finance. Ministry of Foreign Affairs. | Import cost reduction consumer benefit. | "✓" | "✓" |  |
| 8.2.1(g) | Charging IPS battery, battery for EV (Electric Vehicles) from solar electricity instead of Fossil fuel-based electricity. | MOEPMR, Ministry of Planning, Ministry of Transport and bridges, Local Government.  | Contributing to RE development. | "✓" | "✓" |  |
| 8.2.1(h) | Complete prohibition of primary fuel export through enactment of appropriate legislation. | MOEPMR, Ministry of Planning. Cabinet Division, MoFA | Ensure energy sovereignty. | "✓" | "✓" |  |
| 8.2.1(i) | Import electricity from available clean sources of regional countries. | MoPEMR, Ministry of Finance. Ministry of Foreign Affairs, Utilities.  | Sustainable energy import. Contribution to reduction of carbon fuel | "✓" | "✓" |  |
| 8.2.1(j) | Determine of Reserve margin of electricity generation capacity in Master Plan considering energy import capacity. | MoPEMR, Ministry of Planning, Utilities, BERC, Power cell, BPDB.  | Energy security addressed in Master plan. | "✓" |  |  |
| 8.2.1(k) | Limit the electricity Import within 10% of total capacity. | MoPEMR, Ministry of Planning, Utilities, BERC, Power cell, BPDB. | Energy security addressed in Master plan. | "✓" |  |  |
| 8.2.1(l) | Capacity payments for contractually expired public and private power plants shall be excluded. Bulk purchase tariff of electricity from those power plants determined by BERC. | MoPEMR, Utilities, BERC, Power cell, BPDB | Help to achieve rational tariff. Help to reduce supply cost of electricity. | "✓" |  |  |
| 8.2.1(m) | Inequality in primary energy supply needs to be eliminated in domestic-foreign and public-private owned power generation. | MoPEMR, Petrobangla, Utilities, BERC, Power cell, BPDB | Help to achieve rational tariff. Help to reduce supply cost of electricity. | "✓" |  |  |
| 8.2.1(n) | Use of renewable electricity as captive/alternative power for industrial, commercial and residential establishments shall be ensured | MoPEMR, Utilities, SREDA, Ministry of Industry.  | Help to achieve RE Target. | "✓" | "✓" |  |
| 8.2.1(o) | Supply of energy at commercial rate fixed by BERC for export-oriented foreign-owned fertilizer, cement and steel mills. | BERC, MoPEMR, Utilities, SREDA, BPDB.  | Enable to achieve energy equity.  | "✓" |  |  |
| 8.2.1(p) | Complete state control shall be acquired and avail all In the short and medium term, the use of electricity in place of liquid fuel, CNG and LPG as fuel for transportation should be ensured. | MOEPMR, Ministry of Planning, Ministry of Transport and bridges, Local Government. SREDA | Reduction of Carbon fuel dependency  | "✓" | "✓" |  |
| 8.2.1(q) | In medium term plan, the use of 100% solar electricity in all rural transport such as rickshaws, vans, auto-rickshaws, motor-cycles shall be ensured. | MOEPMR, Ministry of Planning, Ministry of Transport and bridges, Local Government. SREDA | Reduction of Carbon fuel dependency | "✓" |  |  |
| 8.2.1(r) | Use solar PV electricity in agriculture and irrigation instead of diesel or grid electricity. | MOEPMR, Ministry of Agriculture, , Utility. | Reduction of Carbon fuel dependency | "✓" |  |  |
| 8.2.1(s) | There shall be continuous increase in the use of solar power in street lighting in municipal areas. | MOEPMR, Ministry of Transport and bridges, Local Government. SREDA | Reduction of Carbon fuel dependency | "✓" |  |  |
| 8.2.1(t) | Implementing fuel fix optimization program, the ratio of coal and liquid fuel shall be reduced in the primary energy mix. | MoPEMR, Petrobangla, Utilities, BPC, BERC, Power cell, BPDB | Reduction of Carbon fuel dependency, help to sustainable energy transition.  | "✓" |  |  |

**8.2.0(ii) Strategic Theme (Pricing strategy)**

**Action Plan:**

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| **Sl** | **Action Item** | **Implementing Authority** | **Expected Benefits** | **Short Term****2 year** | **Mid Term****05 year** | **Long Term****10 Year** |
| 8.2.2(a) | Review the security package documents for Private sector engagement in terms of Investment Incentives and Tax evasion and SROS and adjustment to be made for consumer’s interest. | MOEPMR, Energy and Mineral Resources Division, Power Division, Utility, BERC, NBR | Help to reducing supply cost of electricity. | "✓" |  |  |
| 8.2.2(b) | Review the Cost Gas (CG) and Profit Gas (PG) and IOCs Tax liability on PB, and PSC for IOCs and adjustment s to be made for consumers interest. | MOEPMR, Energy and Mineral Resources Division, Power Division, Utility, BERC. | Ensure energy sovereignty, achieve self-reliance of primary energy harness, | "✓" |  |  |
| 8.2.2(c) | Review the utilization of Opaque Price Deficit Fund (PDF) in Gas sector and adjustment s to be made for consumer’s interest. | MOEPMR, Energy and Mineral Resources Division, BERC | Improve transparency on gas utilities. | "✓" |  |  |
| 8.2.2(d) | Ensure LPG price to be available at subsidized price for extremely poor and marginal consumers. | MOEPMR, Energy and Mineral Resources Division, BERC | Access to cheap energy for poor and marginalized peoples. | "✓" |  |  |
| 8.2.2(e) | Enhance the usage of public transport by lowering the energy tariff for public transport. | MOEPMR, Energy and Mineral Resources Division, Power Division Utilities, Ministry of Transport  | Contribute to reduction of usage of fossil fuel | "✓" | "✓" |  |
| 8.2.2(f) | Striping case-by-case negotiated tariff for non-tendered Private power plants (in PPA) and adopt Competitive bidding price only. | MOEPMR, Power Division, Utilities, BPDB, BERC | Help to acquire best price of energy through effective competition. | "✓" | "✓" |  |
| 8.2.2(g) | In case of commercial, small & cottage industries, the energy tariff shall be determined on the basis of cost-plus principal | MOEPMR, Energy and Mineral Resources Division, Power Division, Utility, BERC. | Promote economic growth through energy | "✓" | "✓" |  |
| 8.2.2(h) | In the case of marginal consumers, the price of LPG and gas used in cooking shall be determined in line with the purchasing power of the consumer. | MOEPMR, Ministry of Industries, BSTI, Power Division Utilities, SREDA, | Access to cheap energy for poor and marginalized peoples. |  | "✓" |  |

**8.2.0(III) Strategic Theme: Effective Regulation of Energy development**

**Action Plan:**

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| **Sl** | **Action Item** | **Implementing Authority** | **Expected Benefits** | **Short Term****2 year** | **Mid Term****05 year** | **Long Term****10 Year** |
| 8.2.3 (a) | Coal, renewable energy and biomass shall be brought under regulatory jurisdiction. | MOEPMR, Energy and Mineral Resources Division, Power Division, Utility, BERC. | Establish regulatory authority over all form fuel management. | "✓" |  |  |
| 8.2.3 (b) | The participation and empowerment of stakeholders in regulatory decision and policy making, laws and regulations making shall be enforced by law. | MOEPMR, Ministry of Law, Utility, BERC, CAB, CC, Civil society. | Ensure transparency over regulatory activates by consumer participation | "✓" | "✓" |  |
| 8.2.3 (c) | Officials in regulatory bodies cannot be part of administration or operation of public or private utilities which may arise conflict of interest. | MOEPMR, Energy and Mineral Resources Division, Power Division, Utility, BERC. | Conflict of interest can be avoided. Transparency in regulation ensured. | "✓" |  |  |
| 8.2.3 (d) | Aside from legally ensuring the regulatory bodies' impartiality and independence, their capacity and skill development shall be accelerated. | MOEPMR, Energy and Mineral Resources Division, Power Division, Utilities, BERC, SREDA, CC, BSTI,  | Effective regulation. | "✓" |  |  |
| 8.2.3 (e) | Ensure Autonomy of regulatory authority defined by laws, the bureaucratic encroachment shall be stopped. | MOEPMR, Energy and Mineral Resources Division, Power Division, Utilities, BERC, SREDA, CC, BSTI | Effective regulation. | "✓" | "✓" |  |

**8.2.0(iv) Strategic Theme: Institutional Skills and Capacity Development:**

**Action Plan:**

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| **Sl** | **Action Item** | **Implementing Authority** | **Expected Benefits**  | **Short Term****02 year** | **Mid Term****05 year** | **Long Term****10 Year** |
| 8.2.4 (a) | The three domestic companies engaged in oil and gas exploration and production shall be merged to form a national company | MOEPMR, Energy and Mineral Resources Division, Ministry of Finance, Ministry of Law | Improve Institutional capacity to domestic gas and oil exploration. | "✓" |  |  |
| 8.2.4 (b) | SREDA's organizational structure, like that of BPDB and PetroBangla, will be autonomous and mandated for RE development. | MOEPMR, Ministry of Law, Utility, BERC, CAB, Civil society, Local Government. | Improve Institutional capacity to RE development. | "✓" |  |  |
| 8.2.4 (c) | To develop the power sector, BPDB must complete the formation/restructuring of power utilities similar to the gas sector (re-Bundling for one-umbrella operation in the power sector). | MOEPMR, Energy and Mineral Resources Division, Power Division, Utility. Ministry of Finance, Ministry of Law, Cabinet | Coordinated power sector development and better management.  | "✓" |  |  |
| 8.2.4 (d) | Management Boards of petroleum, gas, coal, and power utilities must be operate independent without bureaucratic encroachment. | MOEPMR, Energy and Mineral Resources Division, Power Division, Utility.  | Increase organizational functionality and efficiency.  | "✓" |  |  |
| 8.2.4(e) | Hydrocarbon units, power cells, and the Petroleum Institute should be merged into their own organizations in order to conduct research, plan for energy development, and coordinate research, training, and human resource development activities among universities, private agencies from the industrial and commercial sectors. | MOEPMR, Energy and Mineral Resources Division, Power Division, Utility. Ministry of Finance, Ministry of Law, Cabinet | Efficient management of energy supply, proper demand estimation.  | "✓" |  |  |
| 8.2.4(f) | Bangladesh Energy Power Research council and SREDA shall be free from bureaucrats and lead by professional technical experts.  | MOEPMR, BPERC, SREDA, Ministry of Law, Cabinet.  | Increase organizational functionality and efficiency. | "✓" | "✓" |  |
| 8.2.4(g) | On behalf of the citizen, the National EnergyTask Force will play watchdog | MOEPMR, Utility. Ministry of Finance, Ministry of Law, ACC  | Ensure operational transparency of energy sector organizations, institutions  | "✓" |  |  |

**8.2.0 (v) Strategic Theme: Policy Planning and Implementation Strategy**

**Action Plan:**

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| **Sl** | **Action Item** | **Implementing Authority** | **Expected Benefits** | **Short Term****02 year** | **Mid Term****05 year** | **Long Term****10 Year** |
| 8.2.5 (a) | Strategic issues and action plan outlined in ETP, CAB shall be addressed in national development plan such as Perspective plan, Five-year plan etc. | MOEPMR, IMED, Planning Commission, EMRD, Ministry of Finance, Ministry of Law | Better development plan sets a foundation for better implementation.  | "✓" |  |  |
| 8.2.5 (b) | Energy Sector specific plans and policies to be consistent with in national development plan such as Perspective plan, Five-year plan etc. | MOEPMR, IMED, Planning Commission, EMRD, Ministry of Finance, Ministry of Law, Utilities, BREC, SREDA  | Coordination of Sectoral and national level planning.  | "✓" |  |  |
| 8.2.5 (c) | ADP (annual development program) will be implemented with quality. Quality implementation cannot be jeopardized by meeting financial expenditure targets. | MOEPMR, IMED, Planning Commission, EMRD, PD, Ministry of Finance, Ministry of Law, Utilities, BREC, SREDA | Building quality energy infrastructure and facility to energy service delivery.  | "✓" |  |  |
| 8.2.5 (d) | The Energy Development Plan will be implemented in accordance with the creation of Demand. Extremely long-term development plans of 20 years or more will be suspended. | MOEPMR, Energy and Mineral Resources Division, Power Division, Utility.  | Prevent to develop overcapacity.  |  | "✓" |  |
| 8.2.5(e) | The Planning Commission shall publish quarterly progress reports of development projects before the consumers in order to ensure that development planning and policy implementation are producing the desired and expected results. | MOEPMR, IMED, Planning Commission, CAB, Meida.  | Transparency on development planning implementation process.  | "✓" |  |  |
| 8.2.5(f) | The Energy Task Force will provide monitoring reports to all the concerns involved in the implementation of the project. | MOEPMR, BPERC, SREDA.  | Transparency on development planning implementation process | "✓" |  |  |

**8.3.0 Strategic Theme: Investment Strategy:**

**Action Plan:**

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| **Sl** | **Action Item** | **Implementing Authority** | **Expected Benefits** | **Short Term****2 year** | **Mid Term****05 year** | **Long Term****10 Year** |
| 8.3.1(a) | In case of all public investment in energy sector the government will ensure efficiency, transparency, accountability, effective competition by best adopting best procurement procedure under lawful regulation. | CPTU, MOEPMR, Energy Division, Power Divisions, Utilities. | Help to develop Transparent investment expenditure and corruption free public procurement | "✓" | "✓" | "✓" |
| 8.3.1(b) | Market risks, demand risk, fuel risk, currency risk, supply disruption risk, and price volatility risk, shall be attributed to the private investors. | MOEPMR, Energy and Mineral Resources Division, Power Division, IPP cell, Power Cell, BPDB | Uniform market help to get best benefit to consumer.  |  | "✓" | "✓" |
| 8.3.1(c) | Private sector participation in power sector to be limited no more than 20% of installed capacity as it is a strategic sector and private investor always exploits the situation for profit maximization. | MOEPMR, Energy and Mineral Resources Division, Power Division, Utility. | Protection of consumer interest on Changing Demand situation. | "✓" | "✓" |  |
| 8.3.1(d) | Existing overly generous policies for private investment to be reviewed as country is experiencing adverse impacts of private investment in electricity sector. | BERC, MOEPMR, Energy and Mineral Resources Division, Power Division, Utility. NBR | Enable least cost energy. Cost reduction of electricity. |  | "✓" |  |
| 8.3.1(f) | The Gas Development Fund, the Energy Security Fund, and the Power Development Fund shall be deployed in energy exploration / production / import as equity investments in favor of consumers. | Ministry of Finance, MOEPMR, Energy and Mineral Resources Division, CAB | Consumer participation to ensure consumer right to energy.  | "✓" |  |  |
| 8.3.1(f) | Coordination among the utilities for the respective segment investments in energy production, transmission/transportation and distribution system shall be ensured. | BERC, Planning Commission, MOEPMR, Energy and Mineral Resources Division, Power Division, Utility, BERC | Better utilization of developed capacity, Sufficient supply of energy for boosting economic growth | "✓" |  |  |
| 8.3.1(g) | Consumer participation and empowerment in management of gas development fund, electricity development fund and energy security fund and control over the funds free from ministry shall be ensured. | Ministry of Finance, MOEPMR, CAB, CC , Local government  | Consumer participation to ensure right to energy. | "✓" | "✓" |  |
| 8.3.1(h) | In the case of oil/gas extraction under PSC, it would be mandatory for the government to purchase all the oil/gas from the IOC. | Ministry of Finance, MOEPMR, Energy and Mineral Resources Division, Petrobangla, BAPEX.  | Energy Security and financial Sustainability. better utilization of Indigenous capacity |  | "✓" |  |
| 8.3.1(i) | Government and private investment in RE development shall be ensured. | Energy and Mineral Resources Division, Power Division, Utility, BERC, SREDA, IPP cell, Power Cell, BPDB | Boost RE energy transition.  | "✓" | "✓" |  |
| 8.3.1(j) | Energy sector development under commercial loan on BOOT basis shall be prohibited. | Energy and Mineral Resources Division, Power Division, Utility, BERC, IPP cell, Power Cell, BPDB | Better utilization of developed capacity, | "✓" |  |  |
| 8.3.1(k) | In the energy sector, the government shall ensure that it does not engage in joint ventures with the private sector and that shares of any state-owned company are not transferred to the private sector. | MOEPMR, Energy and Mineral Resources Division, Power Division, Utility, | Help to protect consumer inters of energy security  | "✓" |  |  |
| 8.3.1(l) | Energy development under PPP policy shall disallowed. | MOEPMR, Energy and Mineral Resources Division, Petrobangla  | Help to protect consumer inters of energy security | "✓" |  |  |
| 8.3.1(m) | The direct participation and capacity development of domestic companies in offshore gas field development shall be ensured. | Ministry of Finance, MOEPMR, Power Division, BAPEX, CAB, BERC, Petrobangla  | Help to develop self-reliance on universal energy access. Help to achieve self-reliance.  | "✓" |  |  |

**8.4.0(i) Rationality, Energy Equality and Transparency at all stages of energy development**

**Action Plan:**

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| **Sl** | **Action Item** | **Implementing Authority** | **Expected Benefits**  | **Short Term****02 year** | **Mid Term****05 year** | **Long Term****10 Year** |
| 8.4.1(a) | Develop common Standard Operating procedures for all State-owned Electricity utilities and Gas utilities so that public private utility can operate under same operating principle. | Ministry of Law, MOEPMR, Ministry of Planning. Utilities.  | No discrepancies over operation method of utilities. | "✓" |  |  |
| 8.4.1(b) | Determine the same level of service charge for the same level of service from electricity and gas utilities. | MOEPMR, Energy and Mineral Resources Division, Power Division, Utility, BERC, SREDA, | No disparity in receiving energy service by consumers | "✓" |  |  |
| 8.4.1(c) | Utilize best practice of public procurement procedure for ensuring accountability and transparency on energy investment, procurements, and Energy infrastructure developments. | MOEPMR, CPTU, Planning Comission. | Contribute to achieve good governance. | "✓" | "✓" |  |
| 8.4.1(d) | Address the Irrational cost increase of Energy in the process of capacity augmentation of energy and electricity sector and employ remedy. | MOEPMR, Energy and Mineral Resources Division, Power Division, Utility, BERC, SREDA,  | Help to secure viable financing and supply cost reduction | "✓" | "✓" |  |
| 8.4.1(e) | Address country specific causes of development project time and cost overruns and employ remedy. | MOEPMR, Energy and Mineral Resources Division, Power Division, Utility. | Ensure receiving timely benefit to the consumer.  | "✓" |  |  |
| 8.4.1(f) | Address the causes of over investment, Under-utilization of developed capacity, and employ immediate remedy. | Planning Commission, Ministry of Finance, MOEPMR, Energy and Mineral Resources Division, Power Division, Utility. | Prevent irrational cost increase. | "✓" |  |  |
| 8.4.1(g) | Address the causes of misuse of Development aid and external loans employ remedy. | Planning Commission, Ministry of Finance, MOEPMR, Energy and Mineral Resources Division, Power Division, Utility. | Capture Cost effective and efficient investment | "✓" | "✓" |  |
| 8.4.1(h) | Discontinue of law, policies (such as Quick enhancement of electricity and Energy special provision act-2010) which can compromise sector governance. | MOEPMR,Power cell, BPDB, Utility. | Ensure competitiveness and accountability of public officials. | "✓" |  |  |
| 8.4.1(i) | Address the energy and electricity policy vagueness, broadness and policy ambiguity and employ remedy. | MOEPMR, Energy and Mineral Resources Division, Power Division, Power cell, BPDB, Utility. | Prevent bad implementation and arbitrary practice by Public official. | "✓" |  |  |
| 8.4.1(j) | Address the shortcoming in existing to policies due to absence of proper legislation and employ remedy. | Cabinet, Ministry of Law, MOEPMR, Utility, BERC, SREDA.  | Prevent bad implementation and arbitrary practice by Public official. | "✓" | "✓" |  |
| 8.4.1(k) | Information dissemination about all stage of energy supply chain to keep the consumer updated and aware of their rights. | MOEPMR, Ministry of Information, Utility, Petrobangla, BPC, BAPEX, BERC, CAB | Increase Consumer awareness of right ot energy | "✓" |  |  |

**8.4.0(ii) Strategic Issues: Legal Strategy:**

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| **Sl** | **Action Item** | **Implementing Authority** | **Expected Benefits** | **Short Term****2 year** | **Mid Term****05 year** | **Long Term****10 Year** |
| 8.4.2 (a) | Existing laws and policies such as Private sector power generation policy, Quick enhancement of energy and electricity Special provision Act.2010 which contravene PPR 2008 shall be repealed or amended.  | MOEPMR, Ministry of Law, Power Cell, EMRD, Power Division, Utility, BERC, BPDB.  | Proper legislation in place.  | "✓" |  |  |
| 8.4.2 (b) | Enact comprehensive law for the engagement of private sector investment on energy development.  | MOEPMR, Ministry of Law, Power Cell, EMRD, Power Division, Utility, BERC,POWER Division  | Proper legislation in place for private investment.  | "✓" | "✓" |  |
| 8.4.2 (c) | Officials or public employees from energy utilities who have committed energy crimes must be held accountable and punished, such provision shall be included in Electricity Act.  | MOEPMR, Ministry of Law Utility, BERC, Law enforcer, Judiciary.  | Ensure energy justice for consumers by energy officials. Ensure accountability.  | "✓" |  |  |
| 8.4.2 (d) | The energy sector related contract signed between government and local/foreign private investor shall be accessible to public in order to protect consumer right.  | MOEPMR, Ministry of Law, Power Cell, EMRD, Power Division, Utility, BERC, BPDB | Transparent procurement.  | "✓" |  |  |
| 8.4.2 (e) | Develop model contract agreement For the energy development aimed at transparent execution in the statutory process. | MOEPMR, Ministry of Law, Power Cell, EMRD, Power Division, Utility, BERC, BPDB | Standards practice to endure transparency and accountability.  | "✓" |  |  |
| 8.4.2 (f) | In order to promote transparency and accountability in the implementation of the action plan legally enforceable The National Energy Task Force will be established by CAB with the participation of prominent individuals whose involvement may not result in conflicts of interest. | MOEPMR, Ministry of Law, Power Cell, EMRD, Power Division, Utility, BERC,POWER Division , CAB, Civil Society  | Consumer level monitoring ensures transparency in energy sector.  | "✓" |  |  |

**8.5.0 Strategic Theme: Sustainable Energy Transition Strategy:**

**Action Plan:**

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| **Sl** | **Action Item** | **Implementing Authority** | **Expected Benefits**  | **Short Term****02 year** | **Mid Term****05 year** | **Long Term****10 Year** |
| 8.5.1(a) | Setting a Strategic target of achieving 20% RE penetration by 2030 and 50% or more RE penetration by 2041. | MOEPMR, Ministry of Planning. SREDA, Utilities. | Enable sustainable energy transition. | "✓" |  |  |
| 8.5.1(b) | Inefficiency developed by unbundling of utilities (privatization) in energy sector of Bangladesh to be addressed and employ remedial action. | MOEPMR, Energy and Mineral Resources Division, Power Division, Utility, BERC. | Help for better performance energy sector utilities. | "✓" |  |  |
| 8.5.1(c) | Aging old electricity generation plants to be retired and replace by renewable energy. | MOEPMR, Energy and Mineral Resources Division, Power Division | Contribute to Green energy penetration. |  | "✓" | "✓" |
| 8.5.1(d) | Adoption of Reliable, Compatible and affordable RE technology and promote innovation. | Ministry of Commerce Ministry of Industries, MOEPMR, Utility | Domestic technical capability increases for RE development |  | "✓" | "✓" |
| 8.5.1(e) | Adoption of On-Grid, Off-Grid, Stand Alone, cluster type of renewable energy engagement | MOEPMR, Energy and Mineral Resources Division, Power Division Utilities, SREDA, | Contribute to RE penetration. | "✓" | "✓" |  |
| 8.5.1(f) | Introducing green certificate for RE contribution by the Electricity utilities as mandatory requirement for operation. | MOEPMR, Power Division, Utilities. Ministry of Environment, | Contribute to RE development, increase Utility commitment. | "✓" | "✓" |  |
| 8.5.1(g) | Develop appropriate measures to ensure operability of installed solar PV by households. | Ministry of Environment, Power and Mineral resources, | Contribute to RE penetration. | "✓" | "✓" |  |
| 8.5.1(h) | Green certificates as mandatory requirement for the industries and manufacturing plants to market their products (produced by energy | MOEPMR, Ministry of Industries, BSTI, Power Division Utilities, SREDA, | Contribute to RE penetration utilizing secondary market. |  | "✓" |  |
| 8.5.1(i) | Set up on-shore wind power generation plant according to WIND MAPPING. | MOEPMR, Ministry of Planning. Utilities, Private investor | Contribute to RE penetration. | "✓" | "✓" |  |
| 8.5.1(j) | Setting up evidence-based target of bio fuel, Hydrogen fuel and waste to electricity generation target. | MOEPMR, Power Division, Utilities. Ministry of Environment, Local Government, Municipalities, | increase for RE development |  | "✓" |  |
| 8.5.1(k) | Provide Investment incentives, as tax exemption, fiscal incentives, subsidies, grants etc. for those who are contributing to RE development | MOEPMR, Ministry of Industries, BSTI,BERC, Utilities, SREDA, Ministry of Finance | increase for RE development | "✓" |  |  |
| 8.5.1(l) | Providing structured tariff for RE, such as Feed-In, premiums, incentives etc. | MOEPMR, Ministry of Industries, BSTI, Utilities, SREDA, | Increase RE Penetration, Community engagement. | "✓" |  |  |
| 8.5.1(m) | Provide Incentives for Innovation and invention in RE technology developed by domestic investors. | MOEPMR, Ministry of Industries, Power Division Utilities, SREDA, BERC, Ministry of Finance. | Increase for RE development | "✓" |  |  |

**8.6.0 Strategic Theme: Human Resources Development Strategy.**

**Action Plan:**

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| **Sl** | **Action Item** | **Implementing Authority** | **Expected Benefits** | **Short Term****2 year** | **Mid Term****05 year** | **Long Term****10 Year** |
| 8.6.1(a) | Induct continuous training program for energy sector technical officials throughout the year. | MOEPMR, Utilities, CAB, BPERC, Ministry of Education, Public and private universities. | Trained manpower for efficient operation of energy sector | "✓" | "✓" |  |
| 8.6.1(b) | Promotion and placement of energy sector technical officials to be based on skill and professional excellence. | MOEPMR, Ministry of Public administration, Utilities and regulatory bodies.  | Employee motivation for achieving professional excellence  | "✓" |  |  |
| 8.6.1(c) | Set-up effective evaluation system/methodology in the public sector energy official. | MOEPMR, Ministry of Public administration, Utilities and regulatory bodies. | Enable to Engage right person for right position. | "✓" | "✓" |  |
| 8.6.1(d) | Continuous research program shall be carried out on the energy transition at the consumer, utility, regulatory, policy and planning levels. | MOEPMR, Ministry of Public administration, Utilities and regulatory bodies, CAB, Consumers. | Help to overcome the challenge of energy transition. | "✓" | "✓" |  |
| 8.6.1(f) | The curriculum at all levels shall include right to energy, energy transition and environment protection. | MOEPMR, Utilities, CAB, EPRC, Ministry of Education, Public and private universities, technical institute. | Development of skilled manpower at the youth level. | "✓" |  |  |
| 8.6.1(f) | There shall be an institutional procedures and uninterrupted process for Industry academies relationship and knowledge sharing, technology transfer | MOEPMR, Ministry of Public administration, Utilities and regulatory bodies, technical institute. | Real time problem solving | "✓" |  |  |
| 8.6.1(g) | Knowledge and technology sharing partnership( industry-academia relationship) with international educational, financial, and research institutions. | MOEPMR, Ministry of Public administration, Utilities and regulatory bodies. | Continues research and development. | "✓" | "✓" |  |
| 8.6.1(h) | Invest on Technological, capacity development for indigenously manufacturing production of energy related capital machineries.  | MOEPMR, Ministry of Industries, BIDA, Utilities and regulatory bodies. | Reduce import dependency on energy related equipment and machineries. | "✓" |  |  |

**8.7.0 Strategic Theme: Energy Efficiency and conservation program:**

**Action Plan:**

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| **Sl** | **Action Item** | **Implementing Authority** | **Expected Benefits** | **Short Term****02 year** | **Mid Term****05 year** | **Long Term****10 Year** |
| 8.7.1(a) | Provide Incentive to the Consumers and Utilities for Implementing national energy Efficiency program. | MOEPMR, Energy and Mineral Resources Division, Power Division, Utility, Ministry of Finance | Accelerate to implement EE&C program. | "✓" | "✓" |  |
| 8.7.1(b) | Community /Consumer (i.e. household, commercial and Industries) engagement Program to implement Energy efficacy and conservation program. | MOEPMR, Ministry of Law, Utility, BERC, CAB, Civil society, Local Government. | Accelerate to implement EE&C program. | "✓" | "✓" |  |
| 8.7.1(c) | Assess, Evaluate and measure the amount of energy can be saved through energy efficiency program. | MOEPMR, Energy and Mineral Resources Division, Power Division, Utility.  | Help to develop energy supply capacity in line actual energy demand. | "✓" |  |  |
| 8.7.1(d) | Operation inefficiency due to sectoral poor technical performance (system loss) to be improved by adopting modernize control system, continuous monitoring.  | MOEPMR, Energy and Mineral Resources Division, Power Division, Utility.  | Optimized utilization of available capacity | "✓" |  |  |
| 8.7.1(e) | Moreover, energy and electricity theft (non-technical loss), due to unholy nexus among energy thief among public officials needs to be address by proper law enforcing.  | MOEPMR, Energy and Mineral Resources Division, Power Division, Utility, Law Enforcing agencies, Judiciary. | Efficient management of energy supply, proper demand estimation.  | "✓" |  |  |
| 8.7.1(f) | Widespread adoption of energy efficiency improvements program by scaling and leveraging secondary markets. | MOEPMR, Energy and Mineral Resources Division, Power Division, Utilities, BERC, SREDA,  | Accelerate to implement EE&C program. | "✓" | "✓" |  |
| 8.7.1(f) | Enforce public and private manufacturing industries to invest on energy saving machineries in manufacturing process.  | MOEPMR, Energy and Mineral Resources Division, Power Division, Utilities, BERC, SREDA,  | Accelerate to implement EE&C program. Energy saving, Cost reduction, Reduction of carbon fuel. | "✓" | "✓" |  |
| 8.7.1(g) | Promote domestic industries for research and development of energy saving product manufacture and marketing. | MOEPMR, Energy and Mineral Resources Division, Power Division, Utilities, | Increase domestic capacity to develop EEC measures. |  | "✓" |  |

**8.8.0 Action Plan: Environmental and Climate Protection Strategies:**

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| Sl | Action Item | Implementing Authority | **Expected Benefits** | Short Term2 year | Mid Term05 year | Long Term10 Year |
| 8.8.1(a) | Operation and development activities of energy infrastructure shall be legally enforceable safety and conservation of eco-system, and bio diversity. | MOEPMR, Ministry of Finance, Utilities, BERC, all utilities, Ministry of Environment, DOE, | Conservation of Eco system and bio-diversity | "✓" | "✓" | "✓" |
| 8.8.1(b) | Implementation of acquiring an Environmental Impact Assessment (EIA) by independent body for development of all energy infrastructure as mandatory requirement . | MOEPMR, Planning Commission, SREDA, Ministry of Environment, Utilities, DOE | Conservation of Eco system and bio-diversity | "✓" |  |  |
| 8.8.1(c) | Equip and empower Consumer Association of Bangladesh (CAB) as representative of Consumers in build a green society and improve standard of living. | CAB, MOEPMR, Ministry of Finance, Ministry of Environment, Cabinet | Help to increase capabilities of Domestic institutions. | "✓" | "✓" |  |
| 8.8.1(e) | Adopt modern technology for de-carbonizing of committed-emissions from energy infrastructure of Bangladesh.  | MOEPMR, Ministry of Industries, Local Government, Municipalities, Utility | Reduction of carbon emission form energy infrastructure. |  | "✓" |  |
| 8.8.1(f) | Reverse the process of carbon emissions caused by increased carbon fuel use in the energy, electricity, and industrial sectors. To accomplish this technological means of decarbonizing and forestation program must be implemented. | MOEPMR, Ministry of Finance, Ministry of Environment, DOE, Utility, Ministry of environment | Reduction of carbon emission form energy infrastructure. |  | "✓" |  |
| 8.8.1(g) | Effectively manage municipal/domestic waste by electricity generation. | MOEPMR, Local Government, Municipalities, BPDB, Utility | Domestic waste management, benefited from non-fossil fuel energy. | "✓" | "✓" |  |
| 8.8.1(h) | Create a central database for the Vulnerable and victim of extreme climate events. | MOEPMR, Planning Commission, Ministry of environment, BBBS, Utilities | Facilitate to plan & manage on climate events. | "✓" |  |  |
| 8.8.1(i) | Provide reparation to the victim of extreme climate events. | MoPEMR, Ministry of Finance. Ministry of Environment, DP, Local Government | Help to survive the climate victims | "✓" |  |  |
| 8.8.1(j) | Establish & Capacity Strengthening of independent environmental regulator, to regulate energy sector related environmental issues. | MOEPMR, Ministry of Law, Ministry of environment. BERC, SREDA  | Ensure Environmental regulation in energy sector development. | "✓" | "✓" |  |