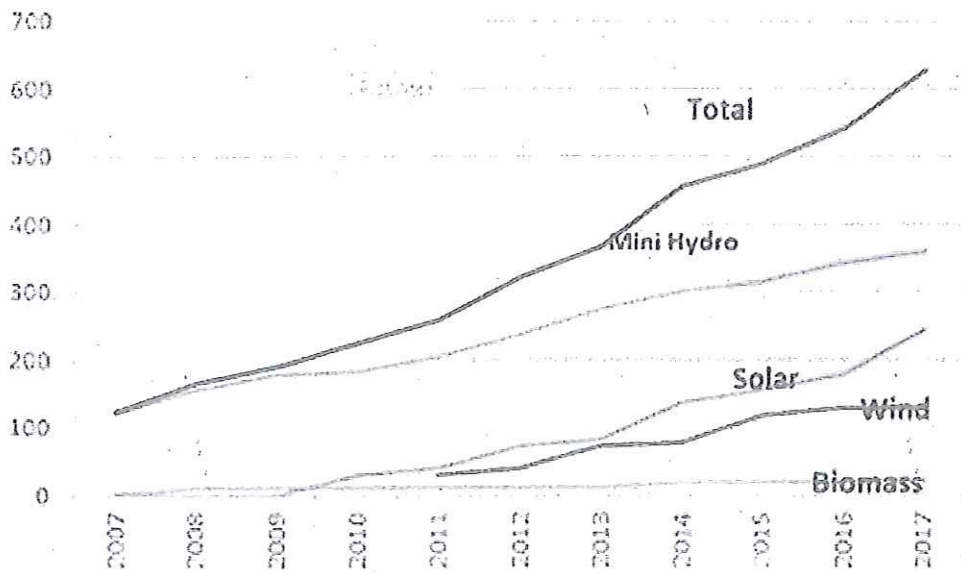


Detailed Report on the existing the NCRE
Projects

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1. Grid Connected (Commissioned) Renewable Energy Projects



Until 2015, RE projects were developed under the provisions of Sri Lanka Sustainable Energy Authority Act No 35 of 2007, However based on the opinion received from Attorney General Department on the provisions of Sri Lanka Electricity Act No. 20 of 2009 and subsequent amendment Act No.31 of 2013 projects have been implemented under the competitive bidding process for NCRE development which creates the destructive impact on the development of NCRE.

RE Projects Status as at 28/02/2019

Project Type	No of Projects	Capacity MW
Mini Hydro	199	406.11
Wind	15	128.45
Solar (Ground Mounted)	8	51.36
Solar (Roof top)		180.00
Solar Competitive Bidding	2	02.00
Biomass-Dendro	7	29.54
Agri. Waste	3	13.00
Biogas	1	0.08
Total	235	810.54

2. Projects of which Constructions are being progressed

In the following projects constructions have been started after resolving various issues in developing the projects. (Annex i)

Project Type	No of Projects	Capacity (MW)	To be Completed in 2019 (MW)
Mini Hydro	18	33.50	12.50
Solar Thermal	02	20.00	
Solar – Competitive Bidding	02	02.00	02.00
Wind	02	20.00	
Biomass – Dendro	01	03.00	03.00
Municipal Solid Waste	02	20.00	20.00
Total	27	98.50	37.50

In addition to the above, following projects are expected to be grid connected before end of 2020.

- CEB 100 MW Mannar Wind Park
- 24 solar power projects which have been processed through 1 x 60 MW competitive tender.
- 10 MW*2 solar power projects selected through competitive bidding process.
- 10 solar power projects which have been processed through 1 x 90 MW competitive tender.
- 2* 10 MW SLSEA Joint Venture Solar+Battery Storage projects.

Accordingly, expected NCRE capacity additions by end of 2020 are as follows:

Project Type	No of Projects	To be Completed in 2020 (MW)
Mini Hydro	18	21.00
Solar Thermal	02	20.00
Solar +Battery Storage	02	20.00
Solar – Competitive Bidding (10 MW)	02	20.00
Solar – Competitive Bidding (1 MW)	30	30.00
Wind (Competitive Bidding + Wind Park)	02	120.00
Total	36	231.00

3. Projects of SPPA's have been signed but construction not yet started

There are 33 mini hydro projects under this category and the constructions are getting delayed for various reasons. Therefore, a policy decision is required after discussing with the developers and stakeholder institutions. (Annex ii)

Reason for Delay	No of projects	Capacity MW
Forest Dept. approval renewal not granted	8	11.77
CEA Extension Not Granted	4	09.85
Wildlife Department approval renewal not granted	2	02.75
Divisional Secretaries Approval not Granted (Nuwara Eliya & Ambagamuwa)	2	04.00
Delay in obtaining Approval from MASL & Irr.Dept.	2	04.80
Land Issue with Kiriella Nadun Raja Maha Viharaya	3	01.50
DCC approval not granted	2	02.95
Land Acquisition is being Progressed	3	03.35
Delay in obtaining CEB grid line estimate	1	01.00
Government owned Projects delayed due to various internal issues	2	03.00
Pending in the Court	1	02.00
Resolved the issues & Ready for constructions	2	01.70
Give up the project due to Land Issue	1	01.00
Total	33	49.67

4. Projects which have completed all statutory requirements and waiting for signing the SPPA.

Standardized Power Purchase Agreement (SPPAs) are signed by CEB for renewable energy projects of the approved types, with an installed capacity up to 10 MW. The SPPA is standardized and non-negotiable. It is valid for twenty years from the commercial operation date.

Even though all the statutory requirements have been fulfilled, some of projects are waiting for signing SPPA with CEB and not implemented due to the conflict between SLSEA and CEB acts. Summary of such projects is as follows: (Annex iii)

Project Type	No of Projects	Capacity (MW)
Mini Hydro	15	16.75
Biomass – Dendro	03	11.50
Municipal Solid Waste	02	13.40
Total	20	41.48

Above projects will be forwarded to CEB for make necessary arrangements for signing the SPPA under the existing Feed -in- Tariff. All the above projects have completed all the requirements including lands. Hence these projects are eligible for signing of SPPA.

5. Projects which are waiting for LOI extensions for further proceedings

CEB issued LOI previously for a 6 month period. However, due to conflicts with the acts extensions were not granted and awaiting for approvals from other relevant agencies.

“Hence, LOI extension to be issued immediately.”

Project Type	No of Projects	Capacity (MW)
Mini Hydro	74	80.67
Solar	01	10.00
Biomass – Dendro	03	19.50
Municipal Solid Waste	02	10.40
Total	80	120.57

6. **Projects which have obtained Provisional Approval and waiting for LOI from CEB**

After issuing the provisional Approval, project applicant should obtain the LOI from CEB as well as it is a requirement for obtaining the other approvals from relevant institutions. However, due to conflicts with the acts LOIs were not granted and awaiting it for obtaining the approvals from other relevant agencies.

“Hence, LOI to be issued immediately for 54 projects.”

Project Type	No of Projects	Capacity MW
Mini Hydro	41	53.15
Solar	01	10.00
Wind	01	10.00
Biomass – Dendro/AW	06	34.96
Municiple Solid Waste	04	35.50
OTEC	01	10.00
Total	54	153.61

7. **Projects which have referred to CEB for grid concurrence.**

CEB grid concurrence is required to issue Provisional Approvals for the following projects.

Project Type	No of Projects	Capacity MW
Mini Hydro	247	264.70
Solar	668	2028.42
Wind	84	672.76
Biomass – Dendro	09	54.00
Agri.Waste	03	17.70
Municipal Solid Waste	03	14.70
Total	1014	3052.28

8. Issues in Developing Renewable Energy Projects

- (1) Grid Line capacity Limitations
- (2) Contradiction between SLSEA Act & CEB Act
- (3) NGO Interventions
- (4) District Coordinating Committee (DCC) Interventions
- (5) Difficult to obtain Environment approval & other line agencies approvals

9. Requested Support for developing RE Projects

- (1) Resolve the conflict between SLSEA Act & CEB Act
- (2) Control of NGO interventions in developing RE projects.
- (3) Proper mechanism to get support from line agencies for developing RE projects