

## LEME ELIGIBILITY CRITERIA

The Criteria for the below provided products and materials (List of Eligible Materials and Equipment, LEME) are as follows:

#	Material/equipment	Description	Eligibility Criteria
1	Thermal insulation of walls, roofs and floors	<ul style="list-style-type: none"> <li>• Non-woven basalt mat</li> <li>• Expanded perlite</li> <li>• Perlite construction blocks</li> <li>• Glass Foam</li> <li>• Polystyrene concrete blocks</li> <li>• Polystyrene insulation panels</li> <li>• Rock wool</li> <li>• Glass wool</li> <li>• Aerated concrete panels</li> </ul> <p><i>The thickness of a particular material (for insulation) depends on the following:</i></p> <p><i>1.General building location, purpose and desired comfort level;</i></p> <p><i>2.Existing wall structure and/or proposed material thermal resistance /conductivity.</i></p>	<p><b>Minimum thermal resistance value for external walls, roofs and floors should be:</b></p> <p>1.42 m<sup>2</sup>K/W</p>
2	Windows/doors with double glazing	<p><b>Frame:</b> made from wood, PVC or aluminum frames (with thermal break), with 2 or more chambers in the frame structure</p> <p><b>Glazing:</b> Factory made sealed units, consisting of two or more panes, separated all round by a spacer, with a gap between the panes filled with air or gas</p>	<p><b>Max U-value for the whole window:</b></p> <p>2.2 W/m<sup>2</sup> K</p>

#	Material/equipment	Description	Eligibility Criteria
3	Boilers for space heating and hot water preparation	The boiler should contain the following equipment as a must: pump, expansion vessel, safety controls, sealed or open flue, and pressure indicator, separate temperature controls for heating and hot water and preferably time control.	<b>Efficiency at nominal capacity:</b> at least - 90%
4	Air Conditioning units	Consisted of one or more factory-made assemblies, which normally include an evaporator or cooling coil(s), compressor(s), and condenser(s).	<b>Minimum level of Coefficient of Performance:</b> COP >2.8
5	Solar water heaters	Flat plate collectors or evacuated tube collectors are eligible, and all associated pipe-work, pumps, insulation and controls should be included in the package	<b>Collector efficiency &gt;70%</b>  Collector area -at least 2m <sup>2</sup> , Water tank - at least 120L
6	Photovoltaic systems	Silicone PV systems, inverters and all associated wiring and installation works and controls should be included in the package	<b>Module area</b> - at least 1.5 m <sup>2</sup> , min efficiency 14%, load bearing min. 4500kPA (for snow), aluminium or galvanized fitting structures.
7	Lighting systems	Residential lighting systems	<b>LED lamps</b>
8	VSD	Variable speed drives for pumps, fans, compressors, etc.	<b>Eligible due to energy savings</b>
9	Automatic painting machines	Machines for painting wood, metal and plastic	<b>Eligible due to energy savings</b>

#	Material/equipment	Description	Eligibility Criteria																									
10	Plastic extruders	Machines for plastic transformation	Eligible due to energy savings																									
11	Tractors	Tractors ranging from 49 kW to more than 270 kW  <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Tractors</th> <th>Power (kW)</th> </tr> </thead> <tbody> <tr> <td>Small</td> <td>49 – 100</td> </tr> <tr> <td>Small -Medium</td> <td>100 – 190</td> </tr> <tr> <td>Medium - Big</td> <td>190 – 270</td> </tr> <tr> <td>Big</td> <td>&gt; 270</td> </tr> </tbody> </table>	Tractors	Power (kW)	Small	49 – 100	Small -Medium	100 – 190	Medium - Big	190 – 270	Big	> 270	Tractors having the following <b>fuel consumption</b> :  <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Power (kW)</th> <th>SFC (g/kWh)</th> <th>Consumption decrease (%)</th> </tr> </thead> <tbody> <tr> <td>49-100</td> <td>255</td> <td>10</td> </tr> <tr> <td>100-190</td> <td>240</td> <td>10</td> </tr> <tr> <td>190-270</td> <td>210</td> <td>18</td> </tr> <tr> <td>&gt; 270</td> <td>230</td> <td>10</td> </tr> </tbody> </table>	Power (kW)	SFC (g/kWh)	Consumption decrease (%)	49-100	255	10	100-190	240	10	190-270	210	18	> 270	230	10
Tractors	Power (kW)																											
Small	49 – 100																											
Small -Medium	100 – 190																											
Medium - Big	190 – 270																											
Big	> 270																											
Power (kW)	SFC (g/kWh)	Consumption decrease (%)																										
49-100	255	10																										
100-190	240	10																										
190-270	210	18																										
> 270	230	10																										
12	Ploughing equipment	Agricultural equipment for ploughing	Equipment having a <b>fuel consumption of 17 l/ha or less</b>																									
13	Harrowing equipment	Agricultural equipment for harrowing	Equipment having a <b>fuel consumption of 7 l/ha or less</b>																									
14	Seed-bed cultivation equipment	Agricultural equipment for seed-bed cultivation	Equipment having a <b>fuel consumption of 7 l/ha or less</b>																									
15	Sowing equipment	Agricultural equipment for sowing	Equipment having a <b>fuel consumption of 3.7 l/ha or less</b>																									
16	Fertilizing equipment	Agricultural equipment for fertilizing	Equipment having a <b>fuel consumption of 3.7 l/ha or less</b>																									

#	Material/equipment	Description	Eligibility Criteria																
17	Harvesting equipment	Agricultural equipment for harvesting	Equipment having a <b>fuel consumption of 23 l/ha or less</b>																
18	Energy saving screens	Energy saving screen for greenhouses	<b>Eligible due to energy savings</b>																
19	Irrigation systems	Drip irrigation systems and sprinkler irrigation systems	<b>Eligible due to energy savings and water savings</b>																
20	Water pumps	Submersible pumps, single and multistage pumps, etc. for water irrigation systems	<b>Energy Efficiency Class: A+</b>																
21	Forklifts	Electric, diesel, and LPG forklifts with up to 10 t lifting capacity	Forklifts having the following <b>energy consumptions:</b> <table border="1" style="margin-top: 10px;"> <thead> <tr> <th>Capacity (t)</th> <th>Electric (kWh/h/kW)</th> <th>Diesel (l/h/kW)</th> <th>LPG (kg/h/kW)</th> </tr> </thead> <tbody> <tr> <td>0t – 3t</td> <td>0.25</td> <td>0.08</td> <td>0.08</td> </tr> <tr> <td>4t – 6t</td> <td>0.25</td> <td>0.09</td> <td>0.10</td> </tr> <tr> <td>7t – 10t</td> <td>0.25</td> <td>0.11</td> <td>0.12</td> </tr> </tbody> </table>	Capacity (t)	Electric (kWh/h/kW)	Diesel (l/h/kW)	LPG (kg/h/kW)	0t – 3t	0.25	0.08	0.08	4t – 6t	0.25	0.09	0.10	7t – 10t	0.25	0.11	0.12
Capacity (t)	Electric (kWh/h/kW)	Diesel (l/h/kW)	LPG (kg/h/kW)																
0t – 3t	0.25	0.08	0.08																
4t – 6t	0.25	0.09	0.10																
7t – 10t	0.25	0.11	0.12																
24	Trucks	Heavy duty trucks with 18t-26t capacity	Trucks having a <b>specific fuel consumption of 1.6 l/100km/t or less</b>																

**Baseline for Construction projects:**

- Cement blocks 200 x 400 mm
- Outside plaster layer – 20 mm
- Inside lime and sand plaster layer – 20 mm

The TOTAL R-VALUE for the wall structure equals to 0.566 m<sup>2</sup>K/W.

However, eligible Sub-projects under this category shall achieve an energy saving equal or greater than 30% as compared to previous year of operation or to the country baseline for green field investments. Should the existing national minimum requirement be beyond the minimum level set above, the national minimum requirement will apply - in this particular case the improvement of the baseline R-Value of 0.566 m<sup>2</sup>K/W shall be a **minimum of 0.17 m<sup>2</sup>K/W**.