

# **10 MW Biomass (Rice Husk) Based Power Generation Unit of M/s Rukmani Power and Steel Ltd.(RPSL)**

## **Revised Monitoring Plan**

### **Project 0532**

### **Version 1**

**Project Proponent:**

Rukmani Power and Steel Ltd.  
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**Works**

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## Data monitored as per PDD - with minor revisions as requested

ID Number	Data Type	Data variable	Data unit	Measured (m), calculated (c) or estimated (e)	Recording frequency	Proportion of data to be monitored	How will the data be archived? (electronic / paper)	For how long is archived data to be kept?	Comment
D.3.1.	Power	Total electricity generated	KWh	Measured	Daily	100%	Electronic and Paper	Crediting period plus 2 years	Measured on plant premises and monitored and recorded continuously through the DCS.
D.3.2	Power	Power Export / Import	KWh	Measured	Monthly	100%	Electronic and Paper	Crediting period plus 2 years	Meter is Calibrated and Regularly inspected by CSEB. Checked from invoices raised to the SEB.
D.3.4.	Power	Auxiliary consumption	KWh	Calculated	Monthly	100%	Electronic and Paper	Crediting period plus 2 years	
D.3.5	Fuel quantity	Biomass used	MT	Measured	Daily	>95%	Electronic and Paper	Crediting period plus 2 years	To be monitored at purchase and Usage
D.3.6	Fuel quality	Calorific value of Biomass	Kcal/kg	Actual sample testing	Monthly	Grab Sample	Electronic and Paper	Crediting period plus 2 Years	Sample testing daily in the inhouse lab and monthly by 3 <sup>rd</sup> Party lab
D.3.7.	Fuel quantity	Coal used	MT	Measured	Daily	>95%	Electronic and Paper	Crediting period plus 2 Years	Should not exceed 15% of calorific value
D.3.8	Fuel quality	Calorific value of Coal	Kcal/kg	Actual sample testing	Monthly	Sample testing	Electronic and Paper	Crediting period plus 2 years	Sample testing daily in the in house lab and monthly from 3 <sup>rd</sup> party lab
D.3.9	Fuel Quality	Carbon content of Coal	%	Actual sample testing	Monthly	Sample	Electronic and Paper	Crediting period plus 2 years	Sample testing by 3 <sup>rd</sup> party lab
D.3.10	Equipment Operation Specific	Efficiency of power generation activity	%	Calc	Monthly	100%	Electronic and Paper	Crediting period plus 2 years	
D.3.11	Operation Specific	Plant Heat rate	Kcal/Kwh	Calc	Monthly	100%	Electronic and Paper	Crediting period plus 2 years	

For calculating CERs the following formulae are applied:

$$\text{CER}_y = \text{GWh E} * \text{EF}$$

Where

$\text{CER}_y$  = yearly Certified Emission Reductions

$\text{GWh E}$  = Monitored Electricity Exported to the Grid

$\text{EF}$  = 981.16 tCO<sub>2</sub>e/GWh – ex-ante fixed