

PARAMETERS THAT WILL BE MONITORED

Data / Parameter:	$EG_{f2,JMR,export}$ and $EG_{f3,JMR,export}$
Data unit:	MWh (Mega-Watt hour)
Description:	Electricity exported by all the Turbines connected to feeder 2 and feeder 3 (Turbines included in the project activity and Turbines that are not part of the project activity) at main (04880814-feeder 2 and 04880816- feeder 3) and the check meter (04880814- feeder 2 and 04880817- feeder 3) at 33 kV.
Source of data to be used:	Joint meter reading records
Value of data applied for the purpose of calculating expected emission reductions in section B.5	This value will not be directly used for estimation of emission reduction.
Description of measurement methods and procedures to be applied:	Measured through 0.2 accuracy class main and check meters installed at the 33kV side of the Substation.
QA/QC procedures to be applied:	<p>Joint Meter Reading (JMR) of the main and check meter is carried out on first day of every month in presence of the representatives of the Enercon (the O&M contractor) & the MSEDCL (distribution wing of Maharashtra state electricity board).</p> <p>Can be cross checked against credit note issued by state electricity utility.</p> <p>Electricity meters will be calibrated by MSEDCL (distribution wing of Maharashtra state electricity board) on annual basis.</p>
Any comment:	The data will be archived for crediting period + 2 years.

Data / Parameter:	$EG_{f2,JMR,Import}$ & $EG_{f3,JMR,Import}$
Data unit:	MWh (Mega-watt hour)
Description:	Electricity imported by all the Turbines (Turbines included in the project activity and Turbines that are not part of the project activity) connected to feeder 2 & feeder 3 at main (04880814-feeder 2 and 04880816- feeder3) and the check meter (04880814- feeder 2 and 04880817- feeder 3) at 33 kV.
Source of data to be used:	Joint meter reading records
Value of data applied for the purpose of calculating expected emission reductions in section B.5	This value will not be directly used for estimation of emission reduction.
Description of measurement methods and procedures to be applied:	Measured through 0.2 accuracy class main and check meters installed at the 33kV side of the Substation.
QA/QC procedures to be applied:	<p>Joint Meter Reading (JMR) of the main and check meter is carried out on first day of every month in presence of the representatives of the Enercon (the O&M contractor) & the MSEDCL (distribution wing of Maharashtra state electricity board).</p> <p>Can be cross checked against credit note issued by state electricity utility.</p> <p>Electricity meters will be calibrated by MSEDCL (distribution wing of Maharashtra state electricity board) on annual basis.</p>
Any comment:	The data will be archived for crediting period + 2 years.

Data / Parameter:	EG _{12,y} & EG _{13,y}
Data unit:	MWh (Mega-watt hour)
Description:	Net Electricity supplied to the grid by the Turbines of the project activity connected to feeder 2 & Feeder 3.
Source of data to be used:	This value will be directly sourced from Energy Breakup Report certified by MSEDCL.
Value of data applied for the purpose of calculating expected emission reductions in section B.5	This value will be directly applied from for emission reduction calculation sourced from Energy Breakup Report certified by MSEDCL.
Description of measurement methods and procedures to be applied:	<p>The main and the check meters are connected to the machines of the project activity and other Turbines that are not part of project activity but connected to feeder 2 & feeder 3.</p> <p>The net electricity exported by the project activity is determined by system of apportioning wherein the aggregate electricity exports and imports (recorded by the main or check meter, as applicable) are allocated to project and non-project WEGs in proportion to their generated electricity by MSEDCL.</p> <p>The allocation is done by O&M contractor (Enercon) and apportioned values for energy export and import are certified by the MSEDCL in the Energy Breakup Report.</p> <p>The apportioning will be done by based on LCS meters readings of all WTGs connected to feeder 2 and 3. LCS meter do not require calibration as the energy readings of electricity generated at the LCS meter is cross verified by the energy calculated by inverting system installed in the WEGs. In case there is any mismatch in the energy values recorded by the LCS meter and the energy values calculated by the inverting system; the machine will stop working and generate the error report.</p> <p>As the project proponent does not have any control over the LCS meter readings of the other project developers and therefore the values certified by the MSEDCL provided in Energy Breakup Report will be directly used for the purpose of calculating the electricity export to the grid.</p>
QA/QC procedures to be applied:	NA
Any comment:	The data will be archived for crediting period + 2 years.

Data / Parameter:	EGy
Data unit:	MWh (Mega-watt hour)
Description:	Net electricity supplied to the grid by the Turbines of the project activity (project activity machines connected to feeder 2 and feeder 3 machines).
Source of data to be used:	Net Electricity supplied to the grid is summation of net electricity supplied to the grid by the Turbines of the project activity connected to feeder 2 ($EG_{f2,y}$) and net electricity supplied to the grid by the Turbines of the project activity connected to feeder 3 ($EG_{f3,y}$).
Value of data applied for the purpose of calculating expected emission reductions in section B.5	--
Description of measurement methods and procedures to be applied:	The net electricity exported by the project activity is determined by apportioning of aggregate electricity exports and imports (recorded by the main or check meter, as applicable). The allocation is done by O&M contractor (Enercon) and apportioned values for energy export and import are certified by the MSEDCL in the Energy Breakup Report.
QA/QC procedures to be applied:	QA/QC procedures will be as implemented by MSEDCL pursuant to the provisions of the power purchase agreement except or otherwise explicitly stated in the PDD.
Any comment:	The data will be stored in hard copy and values will be taken from Energy Break up report.

Apportioning Procedure Implemented by Enercon (O & M contractor) IS Certified by MSEDCL and is explained in Annex-4.