

**CDM SMALL-SCALE PROJECT ACTIVITIES BUNDLING FORM (F-CDM-SSC-BUN)**
Version 03.0

Title of the bundle	Wind Power Project by Wires & Fabriks (EKIESL-CDM.February-15-03)
Version number of the completed F-CDM-SSC-BUN	01
Completion date of the F-CDM-SSC-BUN	22/08/2016
Title of the project activities in the bundle	Wind Power Project by Wires & Fabriks (EKIESL-CDM.February-15-03)
Version number of the project design document(s) (PDD(s)) of the project activities	03
Completion date of the PDD(s)	22/08/2016

**SECTION A. Description of bundle and sub-bundles****A.1. General description of project activities in bundle**

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The main purpose of this project activity is to generate clean form of electricity through renewable wind energy source. Wires and Fabriks (S.A.) Ltd. is the promoter of the proposed project activity. The project activity involves installations of 3 wind turbine of 0.6 MW each and 1 wind turbine of 1.25 MW at Jaisalmer, Rajasthan. The project will replace anthropogenic emissions of greenhouse gases (GHG's) estimated to be approximately 5,745 tCO₂e per year, thereon displacing 5,881 MWh/year amount of electricity from the generation-mix of power plants connected to the NEWNE regional grid, which is mainly dominated by thermal/fossil fuel based power plant.

The power generated from the project activity will be sold to the State Electricity Board.

The project is a bundle project activity and the details of the same are as follows:

Project activity	UID	Type (I, II or III)	Methodology(ies)	Technology(ies) / Measure(s)	Capacity
Wires and Fabriks (S.A.) Ltd.	TEJ-25	Type 1	Methodology: - “Grid connected renewable electricity generation”, AMS I.D. (Version 18)	Wind	0.6 MW
	J-426			Wind	0.6 MW
	J-411			Wind	0.6 MW
	AK-28			Wind	1.25 MW

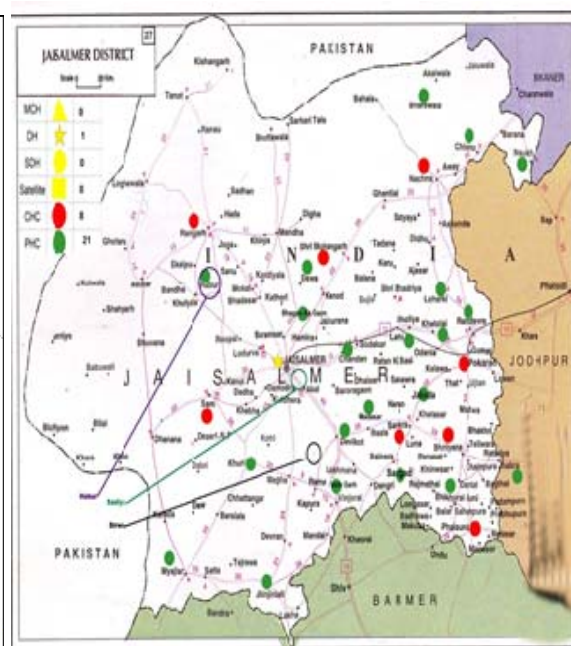
The project activity is of type (i) - renewable energy projects, as it generates electricity from renewable solar energy. The electricity generated from the project activity is being supplied/Wheeled to the electricity distribution system, NEWNE/ Southern grid. Hence, the project activity falls in the project category – D: Grid connected renewable electricity generation

The capacity of the project activity is 3.05 MW which is less than the maximum qualifying capacity of 15 MW for a small-scale CDM project activity under type-I. The capacity of the project activity will remain within the limit of 15 MW during the whole crediting period. Hence, the project activity falls under the small-scale category.



A.2. Location of project activities in bundle

Project activity	UID	Host Party(ies)	Region/State/Province	City/Town/Community	Physical/Geographical location
Wires and Fabriks (S.A.) Ltd.	TEJ-25	India	Rajasthan	Habur, Jaisalmer	N 27° 03' 06.3" & E 70° 43' 23.3"
	J-426			Sadiya, Jaisalmer	N 26° 53' 26.4" & E 71° 00' 35.3"
	J-411			Sadiya, Jaisalmer	N 26° 54' 17.4" & E 70° 59' 08.6"
	AK-28			Sirawa, Jaisalmer	N 26° 41' 40.0" & E 71° 05' 43.9"



A.3. Parties and project participants

Party involved (host) indicates a host Party	Private and/or public entity(ies) project participants (as applicable)	Indicate if the Party involved wishes to be considered as project participant (Yes/No)
India (Host country)	Wires and Fabriks (S.A.) Ltd. (Private Entity) ReXchange Global Solutions (P88) (Private Entity)	No

**SECTION B. Application of selected approved baseline and monitoring methodology****B.1. Summary of ex-ante estimates of emission reductions**

Year	Baseline emissions (tCO ₂ e)	Project emissions (tCO ₂ e)	Leakage (tCO ₂ e)	Emission reductions (tCO ₂ e)
Year 1	5,745	0	0	5,745
Year 2	5,745	0	0	5,745
Year 3	5,745	0	0	5,745
Year 4	5,745	0	0	5,745
Year 5	5,745	0	0	5,745
Year 6	5,745	0	0	5,745
Year 7	5,745	0	0	5,745
Total	40,215	0	0	40,215
Total number of crediting years	7			
Annual average over the crediting period	5,745	0	0	5,745

Project Investor	Capacity (MW)	PLF (%)	Net Generation	Baseline Emission factor	Baseline emissions	Project emissions	Leakage Emissions	Emission reductions
			(MWh/year)	(tCO ₂ /MWh)	(tCO ₂ e/year)	(tCO ₂ e/year)	(tCO ₂ e/year)	(tCO ₂ e/year)
Wires and Fabriks (S.A.) Ltd.	0.6	22.71	1,194	0.9770	1,166	0	0	1,166
	0.6	23.41	1,230	0.9770	1,202	0	0	1,202
	0.6	23.44	1,232	0.9770	1,204	0	0	1,204
	1.25	20.32	2,225	0.9770	2,174	0	0	2,174
Aggregate emission reductions of the bundle								5,745

B.2. Monitoring plan

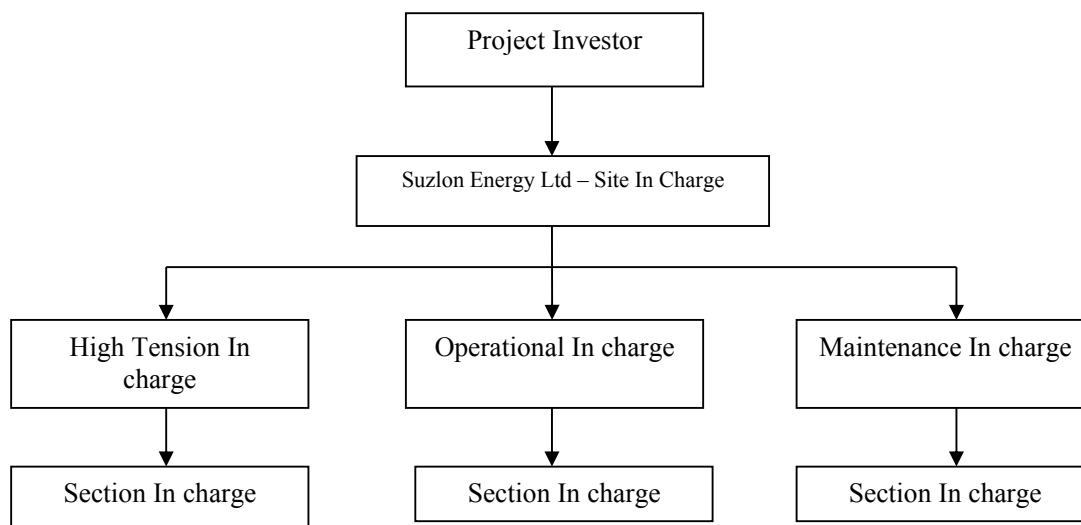
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The monitoring plan is developed in accordance with the modalities and procedures for CDM project activities and is proposed for grid-connected wind power project being implemented in Rajasthan, India. The monitoring plan, which will be implemented by the project participant describes about the monitoring organisation, parameters to be monitored, monitoring practices, quality assurance, quality control procedures, data storage and archiving.

Organisational Structure for data recording and monitoring

A detailed description of metering measurements methods procedures to be applied to the project activity has been well incorporated, favouring the Rajasthan-sites.

The organizational hierarchy of PP & Project management entity is as follows:



PP has assigned the responsibility of operation and maintenance of WTGs to Suzlon. The Plant In-charge and Shift In-Charge would be deployed by Suzlon.

SECTION C. Duration and crediting period

C.1. Duration of bundle

C.1.1. Start date of bundle

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Start date of the project activity is the date of earliest purchase order for J-411 WTG, i.e., 23/07/2007.

C.1.2. Expected operational lifetime of project activities

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25 Years 00 Months

C.2. Crediting period of bundle

C.2.1. Type of crediting period

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Renewable crediting period

C.2.2. Start date of crediting period

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1/10/2016 or Date of submission of complete request for registration by the DOE whichever is later.

C.2.3. Length of crediting period

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07 years 00 months.

**Appendix 1: Contact information of project participants in the bundle**

Organization	Wires and Fabriks (S.A.) Ltd.
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Building	
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Salutation	Mr.
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Middle name	-
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Department	
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Personal e-mail	rajesh.patni@wirefabrik.com



Organization	ReXchange Global Solutions (P88)
Street/P.O. Box	Office No 201, Plot No 48, Scheme 78, Part II, Vijay Nagar
Building	Enking Embassy
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Country	India
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Fax	N.A.
E-mail	manish@enkingint.org
Website	NA
Contact person	Mr. Manish Dabkara
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Salutation	Mr.
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History of the document

Version	Date	Nature of revision
03.0	EB 66 13 March 2012	Revision required to ensure consistency with the "Guidelines for completing the CDM small-scale project activities bundling form" (EB 66, Annex 22).
02	EB 23, Annex 26 24 Feb 2006	EB 23, Para 74.
01		Initial adoption.
Decision Class: Regulatory Document Type: Form Business Function: Registration		