



# 49.5 MW WIND POWER PROJECT BY MASTER WIND ENERGY LIMITED IN PAKISTAN

Document Prepared By Emergent Ventures International Pte. Ltd.

<b>Project Title</b>	49.5 MW Wind Power Project by Master Wind Energy Limited in Pakistan
<b>Project ID</b>	VCS1559
<b>Project Start Date</b>	14-Oct-2016
<b>SD Contributions Reporting Period</b>	14-October-2016 to 31-August-2021
<b>Date of Issue</b>	16-Apr-2022
<b>Prepared By</b>	Emergent Ventures International Pte. Ltd.
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# 1 SUMMARY OF SUSTAINABLE DEVELOPMENT CONTRIBUTIONS

The main purpose of this project activity is to generate clean electricity through wind energy. The project will replace anthropogenic emissions of greenhouse gases (GHG's), thereon displacing electricity from the generation-mix of power plants connected to the Pakistan grid, which is dominated by thermal power plants.

- Social-Economic well-being:

Healthcare: The project invested in running a full time ambulance service to serve neighbouring villages.

The region where the project is located is an area of chronic water shortage with close to zero water storage facilities. The project contributed to the building of concrete water storage tanks in many villages in the neighbourhood.

The project facilitated installation of a RO filtration plant for the nearby villages and for own employees.

Education: The Project has also provided some of the required resources like School bags Books, Stationary Items, and Furniture etc. to local schools. The project also contributed to installation of a solar lighting system at one of the schools in the project area.

Besides, a Vocational Training Centre for Women in Village Arrab Chang was successfully initiated into school for women. All consumables are being provided, along with supervision, motivation, and frequent checks. VTC operates after school time, many women are benefiting from the centre.

- Environmental well-being: The project reduces the power grid's dependence on fossil fuels. Due to its zero emission the Project activity also contributes to tackling climate change and boosts the supply of renewable energy.

## 2 PROJECT CONTRIBUTIONS

The project's quantifiable contributions to specific targets and indicators of the Sustainable Development Goals (SDGs) for the SD contributions reporting period is detailed in the following table. The official list of SDG Targets and Indicators provided by VERRA is used to identify the SDG Targets to which the project has contributed. Evidence for each contribution is identified in Appendix below. Following activities were undertaken towards project contributions-

- Watchmen are hired from nearby villages to provide them employment and hence to improve their family's economic conditions.
- Project now runs a full time ambulance service to serve three neighbouring villages and ensure timely medical responses to emergencies. Medical camps were organised where local villagers are checked by doctors.
- Jhampir is an area of chronic water shortage with close to zero water storage facilities. Project has built concrete Water storage tanks in almost every village so that the population doesn't have to travel distances in order to get water.
- Project has undertaken rehabilitation of government boys' school, building repairing, colour, repairing/furnishing furniture. A water tank with proper plumbing arrangement installed in school's washroom for proper sanitation.

Table 1 : Sustainable Development Contributions

Row number	SDG Target	SDG Indicator	Net Impact on SDG Indicator	Current Project Contributions	Contributions Over Project Lifetime
1)	8.5	Number of local people hired	Implemented activities to increase.	During the reporting period, 45 watchmen are hired from nearby villages to provide them employment.	45 watchmen are hired from nearby villages to provide them employment.
2)	3.8	Number of villages with emergency health services	Implemented activities to increase.	Project runs a full time ambulance service. 3 neighbouring villages now have access to medical facility located at site.	Project runs a full time ambulance service. 3 neighbouring villages now have access to medical facility located at site.
3)	13.0	Tonnes of greenhouse gas emissions avoided or removed	Implemented activities to increase.	The project replaced anthropogenic emissions of greenhouse gases (GHG) of 409,947 tCO <sub>2</sub> e during the reporting period (14-10-2016 to 31-08-2021)	The project replaced anthropogenic emissions of greenhouse gases (GHG) of 409,947 tCO <sub>2</sub> e during the project life time.
4)	6.1	Number of villages with local water access	Implemented activities to increase	Project has built 5 concrete water storage tanks in villages of Jhimpir so that the population doesn't have to travel distances in order to get water. At least 5 villages now have easy access to water through concrete water storage tanks.	Project has built 5 concrete water storage tanks in villages of Jhimpir so that the population doesn't have to travel distances in order to get water. At least 5 villages now have easy access to water through concrete water storage tanks.

5)	7.2	Renewable energy supplied to grid.	Implemented activities to increase	The project supplied a total net power generation of 590,446.989 MWh to the grid during the reporting period. (14/10/2016 to 31/08/2021) The entirety of the production was consumed by grid users, therefore increasing renewable energy share in the total final energy consumption.	The project supplied a total net power generation of 590,446.989 MWh to the grid during the project life time. The entirety of the production was consumed by grid users, therefore increasing renewable energy share in the total final energy consumption.
6)	4.a	Number of schools provided with school items and infrastructure support for quality education.	Implemented activities to increase	Project has adopted one primary school and undertaken its rehabilitation including building repair, furnishing, furniture's repair etc. A water tank with proper plumbing arrangement has also been installed in school's washroom for proper sanitation. At 2 other government boy's primary schools also project has provided furniture, schools stationary, schools bags etc. in an event organized by MWEL.	Project has adopted one primary school and undertaken its rehabilitation including building repair, furnishing, furniture's repair etc. A water tank with proper plumbing arrangement has also been installed in school's washroom for proper sanitation.  At 2 other government boy's primary schools also project has provided furniture, schools stationary, schools bags etc. in an event organized by MWEL.

# APPENDIX 1: SUPPORTING EVIDENCE

## Supporting evidence for contribution #1

Employment	45 watchmen and security guards hired from nearby villages to provide them employment and hence to improve their family's economic conditions.
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Source: Contracts with the Security Company for hiring of nearby villagers as Watchman / Security Guards.

1. Contract for hiring 25 watchmen and 1 supervisor



## AL HATTAF SECURITY MANAGEMENT SERVICES PRIVATE LIMITED

This Renewal of Agreement is made in duplicate on 1<sup>st</sup> Dec in the year 2020 between Al-Hattaf Security Management Services (Pvt) Limited (a Company incorporated under Companies Ordinance 1984) having its registered office at Flat No, 64/C 11<sup>th</sup> Commercial Street, Phase II Extension, DHA, Karachi.

(Herein after called the **Contractor**) of one part

M/S Master Wind Energy Limited

(Here in after called The **Employer**) of the other part

Whereas Al Hattaf Security Management Services (Pvt.) Ltd herein referred to as "Contractor".

1. Shall provide Twenty Five Local Security Guards & One Security Supervisor on Employer's premises address / location as follows: -

M/S MASTER WIND ENERGY LIMITED, Jhampir, District Thatta.

(Hereinafter called the **premises**)

2. This renewal of agreement shall take effect from 1<sup>st</sup> Dec 2020 as per clause (1) above written and shall continue enforce unless it is terminated in accordance with the provision hereinafter appearing.
3. The Employer shall pay the Contractor for the services aforesaid on per month basis up to 5<sup>th</sup> of every month as per schedule given below.

2. Contract for hiring 18 Security guards and 1 supervisor



# AL HATTAF SECURITY MANAGEMENT SERVICES PRIVATE LIMITED

This Renewal of Agreement is made in duplicate on **1<sup>st</sup> Dec** in the year **2020** between **Al-Hattaf Security Management Services (Pvt) Limited** (a Company incorporated under Companies Ordinance 1984) having its registered **office at Flat No, 64/C 11<sup>th</sup> Commercial Street, Phase II Extension, DHA, Karachi.** (Herein after called the **Contractor**) of one part

**M/S Master Wind Energy Limited**

(Here in after called The **Employer**) of the other part

Whereas Al Hattaf Security Management Services (Pvt.) Ltd herein referred to as “Contract”,

1. Shall provide **Eighteen Security Guards & One Supervisor** on Employer’s premises address / location as follows: -

**M/S MASTER WIND ENERGY LIMITED, Jhimpir, District Thatta.**

(Hereinafter called the **premises**)

2. This renewal of agreement shall take effect from **1<sup>st</sup> Dec 2020** as per clause (1) above written and shall continue enforce unless it is terminated in accordance with the provision hereinafter appearing.
3. The Employer shall pay the Contractor for the services aforesaid on per month basis up to 5<sup>th</sup> of every month as per schedule given below.

Supporting evidence for contribution #2



Figure 1: Medical Camp organized by Master Wind Energy Limited, where locals (both male and female) showed up and were checked by doctors.



Figure 2: Ambulance donated by the project

**MASTER**  
**Ambulance Service**

Departure Date: 09/10/2021      Arrival Date: 09/10/2021  
 Departure Time: 12:45 P.M.      Arrival Time: 04:40 P.M.

Requested by Name: <u>Nose Mohammad</u> <u>Bechi</u>	Taken to: Hospital: <u>Thampur</u> <u>Hospital.</u>
Designation: <u>Nurse</u>	Referred to (Optional): <u>-</u>
Employer: <u>MAEL (Local)</u>	
Requested for: Name: <u>Tamara (Father)</u>	
Village: <u>Raji Salaman</u> <u>Bechi</u>	

Driver: Mohammed Raleh

Authorised by  
Name: Eyed Shabzed Al  
Designation: DGM-Plant

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**MASTER**  
**Ambulance Service**

Departure Date: 11/9/2021      Arrival Date: 11/9/2021  
 Departure Time: 2:20 P.M.      Arrival Time: 6:00 P.M.

Requested by Name: <u>Abdul Hafeez</u> <u>Chang</u>	Taken to: Hospital: <u>Thampur Hospital</u>
Designation: <u>-</u>	Referred to (Optional): <u>-</u>
Employer: <u>-</u>	
Requested for: Name: <u>for Abdul Hafeez</u> <u>Chang wife</u>	
Village: <u>Adam Chang</u>	

Driver: Abdul Al

Authorised by  
Name: Eyed Shabzed Al  
Designation: DGM-Plant

Scanned with CamScanner

Figure 3: Ambulance service record

**Supporting evidence for contribution #3 & #5**

Measurement of the first monitoring report (14/10/2018-31/08/2021) for Total Emission Reduction (tCO<sub>2</sub>e)

So, for the current monitoring period:

<b>EG<sub>P,y</sub> (MWh)</b>	<b>EF<sub>grid,CMY</sub> (tCO<sub>2</sub>/MWh)</b>	<b>BE<sub>y</sub> (tCO<sub>2</sub>)</b>
590,446.989	0.6943	409,947

Source: Monitoring Report for project 1559 (First monitoring period)

Supporting evidence for contribution #4



Figure 4: Concrete water tank facilitated by the project



Figure 5: RO filtration plant for safe drinking water

Payment Voucher									
Voucher#:	18120070	Operating Unit:		Master Wind Energy OU					
Date:	19/12/2018	NTN:							
Paid From:	0011-0081-023975-01-7	CNIC:							
	Bank A Habib Limited	Status:		Paid					
Paid To:	GHULAM MUHAMMAD CHANG	Cheque No.:		10972072					
Site Name:	supplies-Khi								
Address:	KARACHI								
Payment Type:	QUICK								
								Gross Amount:	101,750.22
								Withholding Sales Tax:	1,027.78
								With Holding Tax:	9,250.02
								Net Payment:	92,500.20
Invoice#	Invoice Date	Type	Invoice Amt	Outstanding Amt	Payment	WHT Amt	WHT Amt	Net Amt	
SITEWATER RTANK-01	19/12/2018	PREPAYMENT	102,778.00	102,778.00	101,750.22	1,027.78	9,250.02	92,500.20	
Total:			102,778.00	102,778.00	101,750.22	1,027.78	9,250.02	92,500.20	
Prepared By		Checked By		Passed By		Sanctioned By		Received By	
AQIB ASLAM		AHMAD ILYAS/ BUSHRA ASAD		KHALID USMAN		AMIR BUTT			
14-APR-22 01:12 PM								Page 13 of 18	

Master Wind Energy OU				
Accounts Payable Voucher				
Vendor Name:	GHULAM MUHAMMAD CHANG			
Vendor Site:	supplies-Khi	Voucher Date :	19 -DEC-2018	
Vendor No:	181	Batch Name:	DEC 2018	
Invoice No:	SITEWATER/TANK-01	Inv. Curr Code:	PKR	
Invoice Amt:	102,778	Exchange Rate:		
Inv. Status:	Validated	Report Run On:	14-APR-22 13:12:52	
Inv. Type :	PREPAYMENT			
Voucher No:	18120048			
Description :	PAYMENT MADE IN ADVANCE FOR CONSTRUCTION OF WATER TANKS AS PART OF CSR A			
Account Code	Account Description	Dr	Cr	
0000-20204001	ADVANCES TO SUPPLIERS	102,778.00		
0000-20201001	ACCRUED CREDITORS - SUPPLIERS		101,750.20	
0000-20208001	SALES TAX WITHHELD A/C		1,027.80	
		102,778.00	102,778.00	
Amount In Words: One Hundred Two Thousand Seven Hundred Seventy-Eight Only				
Prepared By	Checked By	Passed By	Sanctioned By	Received By
AQIB ASLAM	AHMAD ILYAS/ BUSHRA ASAD	KHALID USMAN	AMIR BUTT	
14-APR-22 01:13 PM		Oracle R12 E-Business Suite		Page 5 of 6

Figure 6: Invoice for construction of water tanks

**Supporting evidence for contribution #6**

Education activities carried by the project owner in the region of influence of the wind power project.



*Figure 7: Distribution of school items to village students*



Figure 8: Class rooms with furniture, stationary etc.



Figure 9: Vocational training center in school to train and empower adult women in the region.

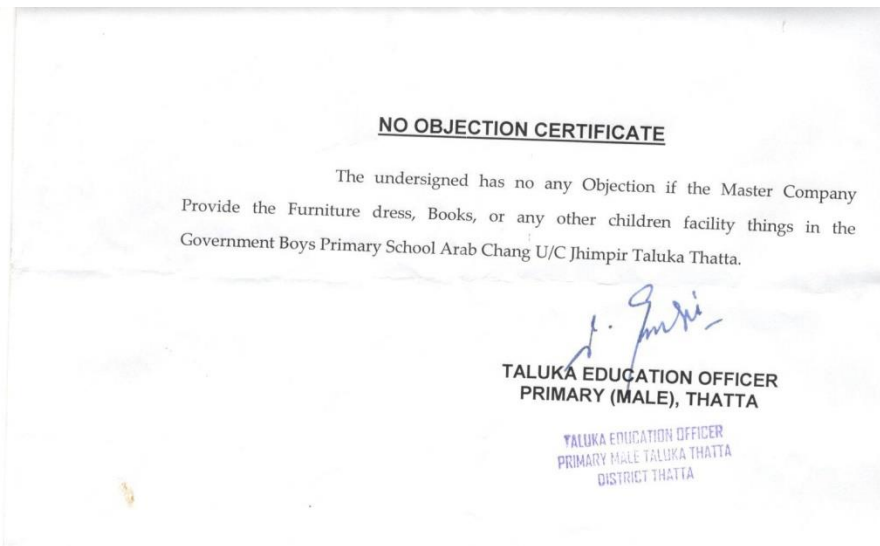
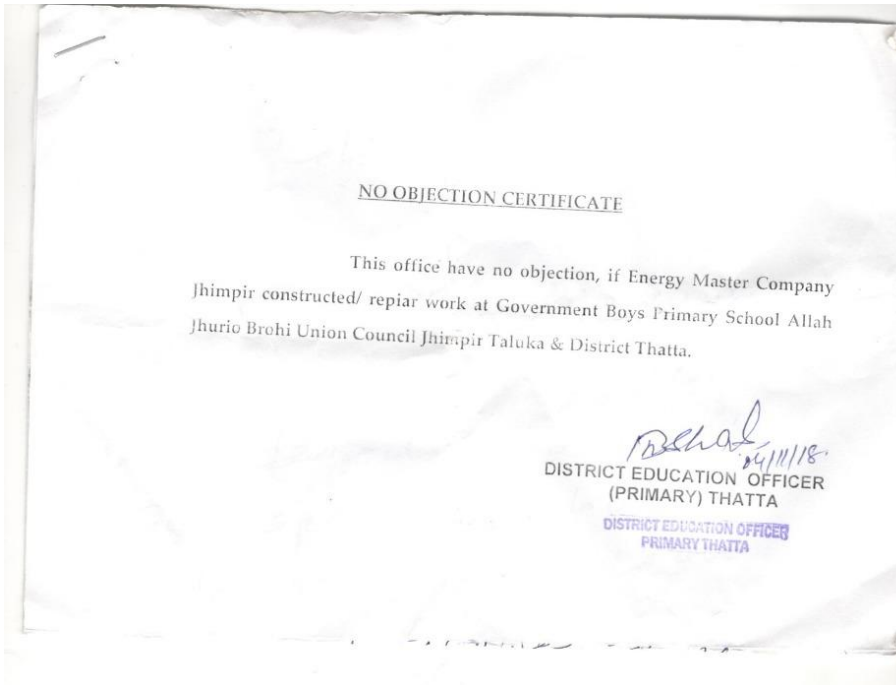




*Figure 10: Rehabilitation of nearby school*



*Figure 11: Water tank at school*



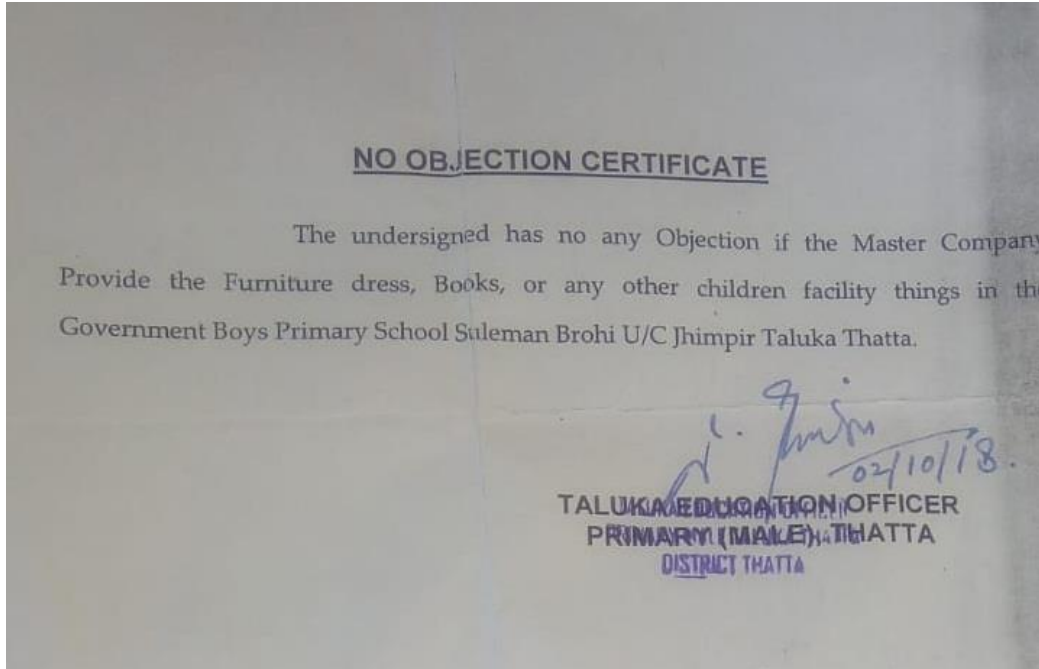


Figure 12: NOC from schools for facilitating schools