



INNER MONGOLIA WUJIER PHASE I WIND POWER PROJECT

Document Prepared by Beijing Ruifang Technology Co., Ltd.

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1 PROJECT DETAILS

1.1 Summary Description of the Implementation Status of the Project

The Inner Mongolia Wujier Phase I Wind Power Project (hereafter referred to as the “Project”) developed by Inner Mongolia Xinjin Wind Power Co., Ltd. is a grid-connected renewable energy project in Ordos city, Inner Mongolia, in the People’s Republic of China.

The Project involves the installation of 33 wind turbines, each of which has a rated output of 1500kW, providing a total installed capacity of 49.5 MW, with a predicted power supplied to the grid of 126,821MWh per annum.

The purpose of the Project is to utilise a wind power facility to generate zero greenhouse gas (GHG) emissions electricity for the North China Power Grid (NCPG) thereby displacing electricity that is relatively carbon intensive, with a Combined Margin Emission Factor of 0.9502 tCO₂/MWh. The project is therefore expected to reduce emissions of GHG by an estimated 120,508 tCO₂e per year during the first crediting period by displacing electricity from the Grid.

The starting date of the construction was 29/05/2009. The commissioning date is 16/09/2010.

This VCS monitoring period covered the time from 21/12/2015 to 20/12/2019 and the emission reductions in this monitoring period are 532,558 tCO₂e.

1.2 Sectoral Scope and Project Type

According to UNFCCC sectoral scopes definition for CDM projects, the Project Activity is included in the Sectoral Scope 1, category “Energy industries (renewable - / non- renewable sources)”.

The project is a single Greenfield project and is not part of a project group or bundle.

1.3 Project Proponent

Organization name	Inner Mongolia Xinjin Wind Power Co.,Ltd.
Contact person	Li Qiang
Title	Director
Address	Shengli South Street, Xini Town, Hangjin County, Ordos City, Inner Mongolia, China.
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Email	99824178@qq.com

1.4 Other Entities Involved in the Project

Organization name	Beijing Ruifang Technology Co., Ltd.
Role in the Project	Project participant
Contact person	Teng Haipeng
Title	Manager
Address	Haidian District, Beijing, PRC China
Telephone	+86-10-86291231
Email	Teng_hp@126.com

1.5 Project Start Date

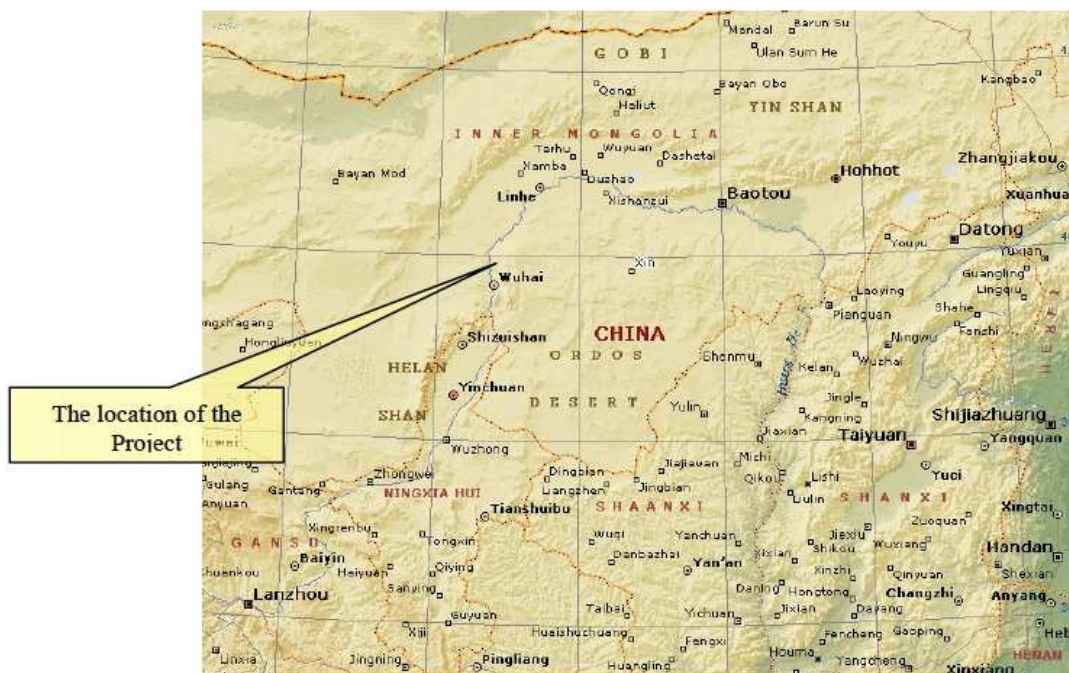
This project starts commissioning on 16/09/2010, which means the date that generates GHG emissions.

1.6 Project Crediting Period

The VCS crediting period of the Project is from 04/07/2010 to 03/07/2020 (totally 10 years), which is renewable.

1.7 Project Location

The project is located in the Hangjin County, Ordos City, Inner Mongolia, People's Republic of China (P.R. China). The exact location of the Project centre is defined using geographic coordinates obtained with a Global Positioning System (GPS) receiver: E 107° 21'39" Longitude, N 40° 11'40" Latitude. These geographic coordinates are for the centre of the wind farm.



1.8 Title and Reference of Methodology

The following approved baseline and monitoring methodology is applied to the project:

The approved consolidated baseline and monitoring methodology ACM0002 “Consolidated methodology for grid-connected electricity generation from renewable sources”, Version 10.

Tool for the demonstration and assessment of additionality, Version 05.2

Tool to calculate the emission factor for an electricity system; Version 2

For more information on these methodologies, please refer to:

<https://cdm.unfccc.int/methodologies/index.html>

1.9 Participation under other GHG Programs

Where applicable, indicate whether the project is registered under any other GHG programs and, where this is the case, provide the registration number and details. Provide details of any GHG credits claimed under such programs.

This project has been registered as a CDM project on 04/07/2010, and the registration number is 3387. It has been issued carbon credits under CDM mechanism with monitoring period from 04/07/2010 to 20/12/2015

The emission reductions from 21/12/2015 to 20/12/2019 has not and will not be counted or issued under CDM or other kind of credits.

1.10 Other Forms of Credit

This project has been registered as a CDM project on 04/07/2010, and the registration number is 3387. It has been issued carbon credits under CDM mechanism with monitoring period from 04/07/2010 to 20/12/2015

The emission reductions from 21/12/2015 to 20/12/2019 has not and will not be counted or issued under CDM or other kind of credits.

The project has not claimed any other forms of environment credit.

1.11 Sustainable Development

The project promotes local sustainable development through the following aspects:

- Increases employment opportunities in the area where it is located - approximately 15 people will be permanently employed for Project operation, and Project construction secures jobs in the construction sector. The Project therefore contributes to developing local infrastructure and increasing the life level of local resident.
- Enhances the local investment environment, and therefore improves the local economy.
- Diversifies the sources of electricity generation. Makes use of renewable wind power resources.
- Reducing GHG emissions resulting from the fossil fuel fired power plants compared with a business-as-usual scenario.

2 SAFEGUARDS

2.1 No Net Harm

The project uses wind to generate electricity. It is environmentally friendly and there is no harm to the environment.

An Environmental Impact Assessment (EIA) for the project was completed in 2008 by Inner Mongolia Institute of Electricity Power Survey and Design. The EIA was approved by Inner Mongolia Environmental Protection Bureau on 07/05/2008. A summary of the EIA is presented below.

There is no transboundary impact related to the Project, and there is no requisite resettlement or relocation of population, buildings, or public services. Therefore, social and environmental influences are considered partial, short-term, and reversible.

Where impacts of the project were identified, mitigation measures were suggested and defined. The EIA highlights the following with regards to the Project, as shown in the following discussion.

Noise

The noise pollution mainly comes from the manual drills and cement mixers during the construction period, and aerodynamic interaction between the wind and turbine blades during operation. The noise levels will be naturally attenuated by ambient conditions. It is stated in the EIA that the project location is far away from the nearest resident area. Therefore, the noise of the turbines will not affect the local residents.

Solid Waste

Most of the waste produced during the construction shall be landfilled or disposed of in an appropriate solid waste disposal site. The household waste will be collected and sent to the local refuse dump.

Wastewater and sewage

The total amount of waste water and sewage from the operation of the project will be very small. The wastewater and sewage from the construction and operational periods will be treated and reused for plant irrigation, which indicates no impact on the surrounding environment.

Ecological impact

The proposed wind farm is located in an area of natural grassland. During the construction period, some vegetation will be affected, but this will be restored within a short period. The installation height of the turbines is lower than 100m, so there is not expected to be any significant effect on birds' migration. In conclusion, the construction work of this proposed project is not expected to affect the local ecological environment.

With mitigation controls planned as part of the Project construction and EIA process, and the contribution made by the project to sustainable development for the local and national area, the Project is expected to have an overall positive impact on the local and global environments. Mitigation measures will ensure that there are no significant residual impacts associated with the Project.

2.2 Local Stakeholder Consultation

The stakeholder consultation for the Project activity took place during May 2009. The consultation invited local stakeholders to submit comments on the Project activity by filling in a questionnaire sent out by the Project Developer. The Project Developer put the notice at the gate of the Hangjin County government office which made the local stakeholders aware that the project developer would undertake a consultation on the Proposed Project. The notice included a technical description of the Project as well as a brief explanation of how the project activity mitigates climate change through the Clean Development Mechanism of the Kyoto Protocol, and brings other sustainable development benefits.

The questionnaires were sent out around the project site. The questions asked were as follows:

- What impacts do you think the CDM Project activity will have on the local environment?
- What impacts do you think the CDM Project activity will have on employment in the local area?
- What impacts do you think the CDM Project activity will have on your livelihood?
- What impacts do you think the CDM Project activity will have on social welfare in the local area?
- What would be the overall effects of the construction and operation of the CDM Project?
- What is your attitude towards the construction of the CDM Project?

34 questionnaires were sent to the stakeholders by the Project Developer. The stakeholders are all local residents including governmental officials (4 people), local residents (27 people) and related employees (3 people). A full list of stakeholders consulted is available from the Project Developer.

Conclusion

The survey received 100% participation (34 questionnaires returned out of 34). The survey shows the stakeholders believe that the proposed CDM project activity will have positive impacts on the local ecological, environmental, employment and social life. All stakeholders expressed their support for the proposed project

2.3 AFOLU-Specific Safeguards

It is not applicable because this is a non-AFOLU project.

3 IMPLEMENTATION STATUS

3.1 Implementation Status of the Project Activity

The proposed project involves the installation of 33 wind turbines each of which with a rated capacity of 1500 kW, providing a total capacity of 49.5MW. The expected annual electricity supply to the grid is 126,821 MWh.

The electricity generated will be delivered to NCPG through the Wujier step-up substation and Kubuqi 220kV substation.

The key technical specifications of the wind turbines are as follows:

No	Item	Value
1	Type	Jinfeng82/1500
2	No. of vane	3
3	Rated Power (KW)	1500
4	Rotor diameter (m)	82
5	Cut in speed (m/s)	3
6	Cut out speed (m/s)	22
7	Rated speed (m/s)	10.3
8	Hub height(m)	70
9	Manufacturer	Xinjiang Goldwind Science&Technology Co.,Ltd.

The starting date of the construction was 29/05/2009. The project started commissioning on 16/09/2010.

During this monitoring period, the Project operated in normal and there was no overhaul or emergencies.

3.2 Deviations

3.2.1 Methodology Deviations

There is no deviation in this monitoring period

3.2.2 Project Description Deviations

There is no project description deviation in this monitoring period.

There were no project description deviations in previous monitoring reports.

3.3 Grouped Projects

This is not a grouped project.

4 DATA AND PARAMETERS

4.1 Data and Parameters Available at Validation

Data / Parameter	EF _{OM}
Data unit	tCO ₂ /MWh

Description	Operating Margin Emission Factor
Source of data	Baseline Emission Factors for Power Grids in China, sourced from http://cdm.ccchina.gov.cn/
Value applied	1.0069
Justification of choice of data or description of measurement methods and procedures applied	Calculated according to the updated Baseline Emission Factors for Power Grids in China based on ACM0002 and EB guidance
Purpose of Data	Calculation of baseline emissions
Comments	/

Data / Parameter	EF _{BM}
Data unit	tCO ₂ /MWh
Description	Build Margin Emission Factor
Source of data	Baseline Emission Factors for Power Grids in China, sourced from http://cdm.ccchina.gov.cn/
Value applied	0.7802
Justification of choice of data or description of measurement methods and procedures applied	Calculated according to the updated Baseline Emission Factors for Power Grids in China based on ACM0002 and EB guidance
Purpose of Data	Calculation of EF _{grid,CM,y}
Comments	/

Data / Parameter	EF _{grid,CM,y}
Data unit	tCO ₂ /MWh
Description	Combined Margin Emission Factor for the NCPG
Source of data	Baseline Emission Factors for Power Grids in China, sourced from http://cdm.ccchina.gov.cn/
Value applied	0.9502
Justification of choice of data or description of measurement methods and procedures applied	Calculated according to the updated Baseline Emission Factors for Power Grids in China based on ACM0002 and EB guidance
Purpose of Data	Calculation of baseline emissions
Comments	/

Data / Parameter	$FC_{i,y}$
Data unit	ton or m^3
Description	Amount of fossil fuel type i consumed in the project electricity system in year y (mass or volume unit)
Source of data	China's Energy Statistical Yearbook (2006-2008)
Value applied	Annex of registered PDD
Justification of choice of data or description of measurement methods and procedures applied	Official released statistics; publicly accessible and reliable data source
Purpose of Data	Calculation of baseline emissions
Comments	/

Data / Parameter	$NCV_{i,y}$
Data unit	MJ/t, KJ/ km^3
Description	Net calorific value (energy content) of fossil fuel type i in year y.
Source of data	China Energy Statistical Yearbook (2006-2008)
Value applied	Annex of registered PD
Justification of choice of data or description of measurement methods and procedures applied	Official released statistics; publicly accessible and reliable data source
Purpose of Data	Calculation of baseline emissions
Comments	/

Data / Parameter	$EF_{CO_2,i,j,y}$
Data unit	tCO_2/TJ
Description	CO_2 emission factor of fossil fuel type i in year y
Source of data	"2006 IPCC Guidelines for National Greenhouse Gas Inventories", Volume 2
Value applied	Annex of registered PD
Justification of choice of data or description of measurement methods and procedures applied	IPCC default value

Purpose of Data	Calculation of baseline emissions
Comments	/

Data / Parameter	$GEN_{j,y}$
Data unit	MWh
Description	The electricity generation by source j in year y of each province connected to the NCPG
Source of data	China's Power Electric Yearbook (2004-2008)
Value applied	Annex of registered PD
Justification of choice of data or description of measurement methods and procedures applied	Official released statistics; publicly accessible and reliable data source
Purpose of Data	Calculation of baseline emissions
Comments	/

Data / Parameter	Rate of internal use by the power station
Data unit	%
Description	The rate of internal use of power source j in each province connected to the NCPG.
Source of data	China Electric Power Yearbook (2006-2008)
Value applied	Annex of registered PD
Justification of choice of data or description of measurement methods and procedures applied	Official released statistics; publicly accessible and reliable data source
Purpose of Data	Calculation of baseline emissions
Comments	/

Data / Parameter	$CAP_{j,y}$
Data unit	MW
Description	The aggregate incrementally installed power capacity of all kinds of power generation sources j (MW) in the NCPG in year y
Source of data	China Electric Power Yearbook (2006-2008)
Value applied	Annex of registered PD

Justification of choice of data or description of measurement methods and procedures applied	Official released statistics; publicly accessible and reliable data source
Purpose of Data	Calculation of baseline emissions
Comments	/

Data / Parameter	$CAP_{thermal,y-n,y}$
Data unit	MW
Description	The aggregate incrementally installed power capacity of thermal power generation sources (MW) in the NCPG in year y compared to that of year y-n
Source of data	China Electric Power Yearbook (2006-2008)
Value applied	Annex of registered PD
Justification of choice of data or description of measurement methods and procedures applied	Official released statistics; publicly accessible and reliable data source
Purpose of Data	Calculation of baseline emissions
Comments	/

4.2 Data and Parameters Monitored

Data / Parameter	$EG_{facility,y}$
Data unit	MWh/yr
Description	Quantity of net electricity generation supplied by the project to the grid in year y
Source of data	Electricity meter
Description of measurement methods and procedures to be applied	It is calculated as the difference between electricity exported to the grid and electricity imported from the grid, which are continuously measured and recorded monthly. The exported and imported electricity is monitored by a two-way main power meter. A check meter is installed at the side of substation to monitor the electricity for sales receipt. The data from the main power meter is crosschecked with the data of check meter, and the conservativeness value is used for ER calculation. $EG_{facility,y} = EG_{export,y} - EG_{import,y}$
Frequency of monitoring/recording	Monitoring continuously and recorded monthly
Value monitored	560472.246 (net electricity supplied to the grid in this monitoring period)

Monitoring equipment	The exported and imported electricity are monitored by a two-way power meter at the wind company. A check meter is installed at the side of substation to monitor the electricity for sales receipt. The detail information of the power meters are shown in following table.					
QA/QC procedures to be applied	The electricity meter is calibrated and checked for accuracy periodically (once a year) according to the industry standards so that the metering equipment have sufficient accuracy.					
	Type	Location	Serial No.	Calibration date	Valid	Accuracy
	DSSD1169	Wind company	97668449 (Main meter)	10/09/2015	09/09/2016	0.2S
				05/09/2016	04/09/2017	0.2S
				30/08/2017	29/08/2018	0.2S
				22/08/2018	21/08/2019	0.2S
				14/08/2019	13/08/2020	0.2S
	DSSD1169	substation	97668445 (check meter)	10/09/2015	09/09/2016	0.2S
				05/09/2016	04/09/2017	0.2S
				30/08/2017	29/08/2018	0.2S
				22/08/2018	21/08/2019	0.2S
				14/08/2019	13/08/2020	0.2S
Purpose of the data	Calculation of baseline emissions					
Calculation method	It is calculated as the difference between power exported to and used from the grid					
Comments	/					

4.3 Monitoring Plan

1. Monitoring system organization

Roles and responsibilities will be defined for relevant staff involved in project monitoring, and the prospect of nominating a project Manager will be considered. If appointed, the project Manager will have the overall responsibility for the monitoring system on this project. All staff involved in the collection of data and records will be coordinated by him.

2. Staff training

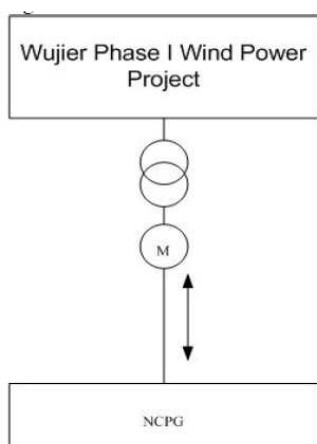
Training is conducted on-site to ensure that staffs are capable of performing their designated tasks to high standards. This will include CDM specific training to warrant that they understand the importance of complete and accurate data and records for CDM monitoring.

3. Maintenance and calibration of monitoring equipment

The electricity meter(s) measuring power output to the grid will be calibrated in line with the relevant and applicable standard. This will ensure that the accuracy of the meters will be within $\pm 0.5\%$.

4. Data collection and record-keeping arrangements

The meter installed at the high voltage side of the on-site transformer is used to obtain the amount of electricity effectively supplied to the Grid and the amount of imported electricity *from the Grid*. *The line loss from the high voltage side of the on-site transformer to the substation of Grid Company has been deducted in the calculation of emission reductions accordingly.*



All relevant data will be measured and collected. All data required for verification and issuance will be backed-up and retained for at least two years after the end of the crediting period or the last issuance of CERs of the Project, whichever occurs later.

5. Data Quality Control and Quality Assurance

All data collected on-site will be checked internally. The electricity meter is calibrated according to national standard.

5 QUANTIFICATION OF GHG EMISSION REDUCTIONS AND REMOVALS

5.1 Baseline Emissions

According to latest ACM0002 (Version 10), the baseline emissions calculated as follows:

$$BE_y = EG_{PJ,y} * EF_{grid,CM,y} = EG_{facility,y} * EF_{grid,CM,y} = (EG_{export,y} - EG_{import,y}) * EF_{grid,CM,y}$$

Where:

BE _y	Baseline emissions in year y (tCO ₂ /yr)
EG _{facility,y}	Quantity of net electricity generation supplied by the project plant to the grid in year y (MWh/yr)
EG _{export,y}	Electricity exported to NCPG by the project in year y(MWh)
EG _{import,y}	Electricity imported from NCPG by the project in year y(MWh)
EF _{grid,CM,y}	Combined margin CO ₂ emission factor in year y(tCO ₂ e/MWh). The baseline emission factor EF _{grid, CM, y} is 0.9502 tCO ₂ /MWh. (tCO ₂ /MWh)

The ER vintage and monitoring values are as follows.

vintage	EG _{facility,y} (MWh)	EF _{grid,CM,y} (tCO ₂ /MWh)	BE _y (tCO ₂)
21/12/2015-20/12/2016	134831.507	0.9502	128,116
21/12/2016-20/12/2017	139837.617	0.9502	132,873
21/12/2017-20/12/2018	142299.172	0.9502	135,212
21/12/2018-20/12/2019	143503.950	0.9502	136,357
Total in this monitoring period 21/12/2015-20/12/2019 (1461days)	560472.246	0.9502	532,558

The monthly data and ER breakdown are shown in appendix 1.

5.2 Project Emissions

According to the ACM0002 methodology, the project emissions (PE_y) are zero for wind power projects, and therefore the emission reductions are equal to the baseline emissions.

5.3 Leakage

According to ACM0002, no leakage needs to be considered.

5.4 Net GHG Emission Reductions and Removals

$$ER_y = BE_y - PE_y = BE_y = 532,558$$

Year	Baseline emissions or removals (tCO ₂ e)	Project emissions or removals (tCO ₂ e)	Leakage emissions (tCO ₂ e)	Net GHG emission reductions or removals (tCO ₂ e)
21/12/2015-20/12/2016	128,116	0	0	128,116
21/12/2016-20/12/2017	132,873	0	0	132,873
21/12/2017-20/12/2018	135,212	0	0	135,212
21/12/2018-20/12/2019	136,357	0	0	136,357
Total	532,558	0	0	532,558

The estimated annual emission reductions are 120,508tCO₂e as per registered PDD. The monitoring period covers 1461 days. The ex-ante emission reductions during this monitoring period are 120,508/365*1461=482,362tCO₂e. The actual emission reductions in this period are 532,558tCO₂e, which are 10.4% more than the estimated value.

This would not influence the additionality of the project. According to the registered PDD, the IRR is still less than the benchmark of 8% when the net exported electricity increases 10%. Only when the electricity generation increase 16.5% could the IRR reach benchmark. The reasons for electricity increase are as follows: First, in this monitoring period, the wind volume is larger than the estimation in project FSR. Second, the wind turbine generators operate at good status.

APPENDIX X: < ELECTRICITY RECORD AND ER BREAKDOWN >

Period	Electricity exported to NCPG by the project in year y (EG _{export,y})	Sales receipt of exported electricity	Conservative value of EG _{export,y}	Electricity imported from NCPG by the project in year y (EG _{import,y})	Sales receipt of imported electricity	Conservative value of EG _{import,y}	Conservative value of net electricity generation supplied by the project plant to the grid in year y (EG _{facility,y})	EF	BE
	MWh	MWh	MWh	MWh	MWh	MWh	MWh	tCO ₂ /MWh	tCO ₂
21/12/2015-20/01/2016	10195.920	10195.176	10195.176	240.24	244.483	244.483	9950.693		
21/01/2016-20/02/2016	11066.160	11062.063	11062.063	104.30	102.343	104.301	10957.762		
21/02/2016-20/03/2016	12168.240	12166.053	12166.053	264.45	266.272	266.272	11899.781		
21/03/2016-20/04/2016	11719.680	11717.182	11717.182	108.25	107.984	108.253	11608.929		
21/04/2016-20/05/2016	12815.880	12814.086	12814.086	253.64	256.081	256.081	12558.005		
21/05/2016-20/06/2016	13729.800	13727.366	13727.366	245.41	245.207	245.406	13481.960		
21/06/2016-20/07/2016	10886.400	10882.781	10882.781	210.59	210.595	210.595	10672.186		
21/07/2016-20/08/2016	12325.320	12323.803	12323.803	286.18	287.159	287.159	12036.644		
21/08/2016-20/09/2016	13162.800	13159.248	13159.248	177.72	176.805	177.723	12981.525		
21/09/2016-20/10/2016	11366.880	11363.749	11363.749	149.35	148.867	149.352	11214.397		

21/10/20 16- 20/11/20 16	9930.48 0	9928.856	9928.856	142.24	143.33 5	143.335	9785.521		
21/11/20 16- 20/12/20 16	7812.00 0	7810.104	7810.104	126.00	124.18 7	126.000	7684.104		
Total in 2016	137179. 560	137150. 467	137150. 467	2,308.3 7	2,313.3 2	2,318.96	134831. 507	0.9502	1281 16
21/12/20 16- 20/01/20 17	13665.1 20	13663.47 2	13663.47 2	270.59	272.19 2	272.192	13391.28 0		
21/01/20 17- 20/02/20 17	11695.3 20	11693.21 3	11693.21 3	252.97	253.21 2	253.212	11440.00 1		
21/02/20 17- 20/03/20 17	14925.9 60	14925.00 6	14925.00 6	236.90	239.17 4	239.174	14685.83 2		
21/03/20 17- 20/04/20 17	13676.0 40	13671.38 8	13671.38 8	187.95	185.14 7	187.950	13483.43 8		
21/04/20 17- 20/05/20 17	15692.0 40	15688.72 8	15688.72 8	214.63	212.74 8	214.631	15474.09 7		
21/05/20 17- 20/06/20 17	13492.9 20	13491.86 2	13491.86 2	227.21	228.95 7	228.957	13262.90 5		
21/06/20 17- 20/07/20 17	10103.5 20	10102.29 8	10102.29 8	180.93	182.65 1	182.651	9919.647		
21/07/20 17- 20/08/20 17	9835.56 0	9834.960	9834.960	213.65	214.95 1	214.951	9620.009		
21/08/20 17- 20/09/20 17	8614.20 0	8614.070	8614.070	158.39	159.17 8	159.178	8454.892		
21/09/20 17- 20/10/20 17	10505.8 80	10504.53 5	10504.53 5	205.30	204.76 8	205.296	10299.23 9		
21/10/20 17- 20/11/20 17	8772.96 0	8771.822	8771.822	205.56	206.10 0	206.100	8565.722		
21/11/20 17- 20/12/20 17	11484.4 80	11482.03 4	11482.03 4	241.48	240.06 4	241.479	11240.55 5		
Total in 2017	142464. 000	142443. 388	142443. 388	2,595.5 5	2,599.1 4	2,605.77	139837. 617	0.9502	1328 73
21/12/20 17-	14940.2 40	14939.55 0	14939.55 0	273.16	276.48 5	276.485	14663.06 5		

20/01/2018									
21/01/2018-20/02/2018	11900.280	11897.165	11897.165	255.38	255.378	255.378	11641.787		
21/02/2018-20/03/2018	15188.040	15186.464	15186.464	239.16	240.654	240.654	14945.810		
21/03/2018-20/04/2018	13916.280	13912.442	13912.442	189.74	187.522	189.740	13722.702		
21/04/2018-20/05/2018	15967.560	15964.492	15964.492	216.68	217.133	217.133	15747.359		
21/05/2018-20/06/2018	13729.800	13729.789	13729.789	229.37	234.079	234.079	13495.710		
21/06/2018-20/07/2018	10280.760	10279.833	10279.833	182.65	182.759	182.759	10097.074		
21/07/2018-20/08/2018	10008.600	10004.401	10004.401	215.69	215.643	215.689	9788.712		
21/08/2018-20/09/2018	9765.000	9760.529	9760.529	159.90	158.363	159.901	9600.628		
21/09/2018-20/10/2018	9689.400	9686.083	9686.083	207.25	206.389	207.251	9478.832		
21/10/2018-20/11/2018	8891.400	8887.332	8887.332	207.52	203.620	207.516	8679.816		
21/11/2018-20/12/2018	10685.640	10683.880	10683.880	243.78	246.203	246.203	10437.677		
Total in 2018	144963.000	144931.960	144931.960	2,620.27	2,624.23	2,632.79	142299.172	0.9502	135212
21/12/2018-20/01/2019	11077.080	11075.200	11075.200	278.32	280.560	280.560	10794.640		
21/01/2019-20/02/2019	12002.760	11998.520	11998.520	260.19	258.891	260.194	11738.326		
21/02/2019-20/03/2018	15319.080	15318.897	15318.897	243.67	244.724	244.724	15074.173		
21/03/2019-	14036.400	14031.716	14031.716	193.32	190.831	193.320	13838.396		

20/04/2019									
21/04/2019-20/05/2019	16105.320	16104.141	16104.141	220.76	221.012	221.012	15883.129		
21/05/2019-20/06/2019	13848.240	13846.537	13846.537	233.70	232.345	233.701	13612.836		
21/06/2019-20/07/2019	10369.800	10367.031	10367.031	186.10	187.169	187.169	10179.862		
21/07/2019-20/08/2019	10094.280	10090.262	10090.262	219.76	218.356	219.758	9870.504		
21/08/2019-20/09/2019	12840.240	12837.925	12837.925	162.92	165.392	165.392	12672.533		
21/09/2019-20/10/2019	10782.240	10778.405	10778.405	211.16	211.659	211.659	10566.746		
21/10/2019-20/11/2019	8951.040	8948.282	8948.282	211.43	210.073	211.432	8736.850		
21/11/2019-20/12/2019	10786.440	10784.333	10784.333	248.38	247.517	248.378	10535.955		
Total in 2019	146212.920	146181.249	146181.249	2,669.71	2,668.53	2,677.30	143503.950	0.9502	136357
Total in this monitoring period	570819.480	570707.064	570707.064	10,193.90	10,205.22	10,234.82	560472.246	0.9502	532558