



Verification and certification report form for GS project activities

VERIFICATION AND CERTIFICATION REPORT

Title of the project activity	Soma III Wind Farm
GS Reference number of the project activity	3253
Version number of the verification and certification report	1.3 Aa
Completion date of the verification and certification report	20/11/2017
Monitoring period number and duration of this monitoring period	1 st Period 28/11/2014 - 31/05 /2017
Version number of monitoring report to which this report applies	Version 6 of 16/11/2017
Crediting period of the project activity corresponding to this monitoring period	28/11/2014 - 27/11/2021
Project participant(s)	Soma Enerji Elektrik Uretim A.S. (Private Entity, Project Owner)
Host Party	Turkey
Sectoral scope(s), selected methodology(ies)	Sectoral scope 1: Energy Industries (Renewable-/non-renewable sources) ACM0002, Grid-connected electricity generation from renewable sources --- Version 15.0.0
Estimated GHG emission reductions or net anthropogenic GHG removals for this monitoring period in the registered PDD	390,592 tCO _{2e}
Certified GHG emission reductions or net anthropogenic GHG removals for this monitoring period	406,801 tCO _{2e}
Name of DOE	RINA Services S.p.A. (RINA)
Name, position and signature of the approver of the verification and certification report	Laura Severino – Unit Manager Sustainability & Climate Change 

SECTION A. Executive summary

Purpose and general description of the project

The project activity is a wind power plant consists of 50 wind turbines with a unit capacity of 2 MW each with a total installed capacity of 100 MW as confirmed through the registered PDD [/1/](#). The generated electricity is fed to the national grid. The estimated net electricity production is 261 GWh per annum and the annual emission reductions are estimated to be 155,810 tCO_{2e} per year as confirmed through the PDD [/1/](#).

The capacity of the proposed project activity is added to the existing Soma I, II Project, which has been already been registered under the GS and issuing credits since 2009 (named as Soma - Polat Wind Farm Project, Turkey GS ID:398). The existing project Soma I, II is consisting of 119 turbines with an installed capacity of 140.1 MW as confirmed through the generation license [/19/](#).

The Soma III Wind Farm project activity aims to reduce the greenhouse gas emissions in Turkey by replacing fossil fuel power generation and contribute to the development of the wind energy sector in Turkey, as well as aims to support the local economy by creating local employment and providing equipment locally.

Location

The project is located at Aegean Region, Balıkesir and Manisa Province Kırkağaç District.

Scope of verification

Verification is the periodic independent review and ex-post determination by a DOE of the monitored reductions in GHG emissions that have occurred as a result of the registered GS project activity during a defined monitoring period. Certification is the written assurance by a DOE that, during a specific period in time, a project activity achieved the emission reductions as verified. The objective of this verification is to verify and certify emission reductions reported for the Soma III Wind Farm for the period 28/11/2014 – 31/05/2017. The scope of the verification is to verify that:

- The project activity has been implemented and operated in accordance with the registered PDD or any approved revised PDD;
- The monitoring plan, including compliance with any guidance provided by the Board regarding deviations from the provisions of a registered plan and/or methodology;
- The data and calculation of GHG emission reductions have been assessed to correctly support the emission reductions being claimed.

The verification shall ensure that reported emission reductions are complete and accurate in order to be certified.

Verification process

Verification is conducted using RINA procedures in line with the GS requirements and requirements specified in the CDM Validation and Verification Standard available at the time of the verification starts, and applying standard auditing techniques. RINA assesses and determines that the implementation and operation of the project activity, and steps taken to report emission reductions comply with the GS criteria. The verification assessment involved a document review of relevant documentation and the on-site visit.

Verification is not meant to provide any consultancy towards the project participants. However, stated requests for clarifications and/or corrective actions may have provided input for improvement of the monitoring.

Conclusion

RINA commissioned by Soma Enerji Elektrik Üretim A.Ş. has performed the verification of the emission reductions reported for the project activity Soma III Wind Farm, GS Registration Reference No. 3253 for the monitoring period 28/11/2014 – 31/05/2017, with regard to the relevant GS requirements and principles for project activities. The project was validated by Re-Consult (validation report N° 281, version 04 of 19/01/2016).

The GHG emission reductions are calculated on the basis of the approved methodology ACM0002, Grid-connected electricity generation from renewable sources --- Version 15.0.0 and the monitoring plan included in the registered PDD version 8 of 10/11/2015. In our opinion the GHG emission reductions reported for the project in the monitoring report version 6 16/11/2017 are fairly stated.

SECTION B. Verification team, technical reviewer and approver**B.1. Verification team member**

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)	Involvement in			
						Desk review	On-site inspection	Interview(s)	Verification findings
1.	Team Leader, Verifier, Technical Expert TA 1.2	IR	Kiratli	Tugce	RINA Turkey	✓			
2	Verifier, Team Leader in training, Technical Expert TA 1.2	IR	Fulya	Ekinzi Ozen	RINA Turkey	✓	✓	✓	✓

B.2. Technical reviewer and approver of the verification and certification report

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)
1.	Technical reviewer	IR	VALOROSO	Rita	RINA Central Office
2	Approver	IR	Severino	Laura	RINA Central Office

SECTION C. Application of materiality**C.1. Consideration of materiality in planning the verification**

No.	Risk that could lead to material errors, omissions or misstatements	Assessment of the risk		Response to the risk in the verification plan and/or sampling plan
		Risk level	Justification	
1.	Human error in the quantification of emissions (which may be more likely to occur if personnel are unfamiliar with, or not well trained regarding, emissions processes or data recording).	Low	The project proponent is familiar with monitoring procedures and data reporting in line with the registered PDD. The prime monitoring parameter is net export to grid which is as per monthly generation report as recorded in calibrated energy meters. Hence, the risk level is low.	During the site visit, the verification team will interview the staffs of the CDM team and check all records to confirm whether the monitoring plan has been well implemented. The major parameters used for determining the project's baseline emissions are the measurement of net electricity generation according to the monitoring plan is recorded monthly. The team will review the whole data set of the monthly report, and crosschecked against invoice raised. The
2	Undue reliance on a poorly designed information system, which may have few effective quality controls.	Low	The project proponent has already established a well organized monitoring team, monitoring plan, including data collection procedure and QA/QC procedure consistent with registered monitoring plan. Monitoring equipments are calibrated at defined frequency. Hence, the risk level is low.	

3	Manual adjustment of otherwise automatically recorded activity levels.	Low	As detailed in section C.2 below, the data of the main monitoring parameters are taken from calibrated meters (energy meter) and can be verified from totalizer values. The monitoring equipment's are calibrated according to national standards and rules. Hence, the risk level is low.	verification team will check the relevant records to confirm whether the data collection procedure and QA/QC procedure have been well implemented.
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C.2. Consideration of materiality in conducting the verification

The project activity happens at a single site and export to grid from the plant is monitored and recorded using calibrated energy meter and 100% data is available for verification. The data which directly affect emission reduction calculations being net electricity generation is monitored and measured by calibrated electricity meters, 100% verifiable. Hence, in line with paragraph 410 and section 11.2.3 of the CDM Validation and Verification standard /6/ no significant reporting risks to the materiality of the verification were envisaged while planning for the verification and were not identified during the verification process. During the course of the verification, the team reviewed the whole data set of monthly records for net electricity and cross-check against invoices raised. The data reported in the monitoring report are consistent with the monthly records, and the emission reductions are correctly calculated. In conclusion, the verification team confirms the data set to be free from material error.

SECTION D. Means of verification

D.1. Desk review

The monitoring report version 6 16/11/2017 and previous versions /3/, the emission reduction calculations provided in the form of a spreadsheet "GS 3253 Soma III Wind Farm Project 1st Monitoring Period Emission Reduction Calc v01 19042017.xls" version 0.1, submitted on 19/04/2017 /9/, the approved baseline and monitoring methodology ACM0002 version 15 of 01/06/2014 /7/ and all the documentation provided to support the monitoring period /1 – 29/, was assessed as part of the verification. In addition, the Project Design Document (PDD) version 8 of 10/11/2015 /1/, in particular as regards the baseline estimations and the monitoring plan, the Passport, version 3 of 08/01/2015 /2/ and the validation report revision 04 of 19/01/2016 /8/ for the project, were reviewed. During site visit it is noticed by the verification DOE, the GS Passport revision number is correct but the date of the report is not revised. An explanation regarding the typo is given by the carbon consultant. The list of all documents reviewed are referenced during the verification is available in Appendix 3 below.

D.2. On-site inspection

Duration of on-site inspection: 31/05/2017				
No.	Activity performed on-site	Site location	Date	Team member
1.	Implementation and operation of the proposed project activity. Checked the monitoring equipment, interviewed key personnel of the plant to confirm the operational and data collection procedures, cross-checked between information provided in the monitoring report and data plant	Soma district of Manisa province	31/05/2017	Fulya Ekinci Ozen
2	Reviewed the information flows for generating, aggregating and reporting the monitoring parameters	Soma district of Manisa province	31/05/2017	Fulya Ekinci Ozen
3	Checked calibration performance, reviewed calculations and assumptions made in determining the GHG data and emission reductions	Soma district of Manisa province	31/05/2017	Fulya Ekinci Ozen
4	Checked the quality control and quality assurance procedures in place to prevent or identify and correct any errors or omissions in the reported monitoring parameters	Soma district of Manisa province	31/05/2017	Fulya Ekinci Ozen
5	Cross-checked between information provided in the monitoring report and data evidence, including the Gold Standard parameters	Soma district of Manisa province	31/05/2017	Fulya Ekinci Ozen

D.3. Interviews

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	AKYUREK	OMER	OAK Danismanlik <i>Carbon Consultant</i>	31/05/2017	Implementation status of the project	Fulya Ekinci Ozen
2.	SARISIN	ISMAIL	Soma Enerji <i>Plant Manager</i>	31/05/2017	Monitoring equipments and operation	Fulya Ekinci Ozen
3.	AKPINAR	NERGIZ	Soma Enerji <i>Planning, Coordination and Reporting Manager</i>	31/05/2017	Generated Electricity Monitoring of Gold Standard Parameters Air Quality, Noise, Quality of Employment, Quality of Employment, Quantitative employment and job creation, Expropriation and Soil Condition	Fulya Ekinci Ozen
4	ERTEM	UMIT	Soma Enerji <i>Electrical-Electronics Engineer</i>	31/05/2017	Generated Electricity Data Collection Metering System	Fulya Ekinci Ozen
5.	TURKER	MUSTAFA KEMAL	Yazoren Village <i>The Mukhtar</i>	31/05/2017	Benefit of the project to the village Noise and Dust Emissions	Fulya Ekinci Ozen
6.	KIRCALI	YASAR	Kaynakalti Village <i>The Aza of Mukhtar</i>	31/05/2017	Expropriation Road Condition Employment, Logbook	Fulya Ekinci Ozen

The project area was visited on 31/05/2017. The project employee were interviewed about the implementation status of the project, monitoring equipment and operation, generated electricity of the project activity.

During on site visit the mukhtar of the Yazoren Village and The aza of the mukhtar were interviewed. As defined by them, they have no complaints about the project. They are in a good relationship with the project's employees and they are happy about the project due to it generates clean energy. They are also confirmed that there is no problem about dust emission, noise of the turbines, expropriation and road conditions which were interviewed by validator DOE during on validation process. It was also confirmed that no feedbacks or comments were received via log book [/27/](#).

D.4. Sampling approach

Not applicable.

D.5. Clarification requests, corrective action requests and forward action requests raised

Areas of verification findings	No. of CR	No. of CAR	No. of FAR
Compliance of the monitoring report with the monitoring report form			
Compliance of the project implementation with the registered PDD		1	
Post-registration changes			
Compliance of the monitoring plan with the monitoring methodology including applicable tool and standardized baseline	1		
Compliance of monitoring activities with the registered monitoring plan	2	1	
Compliance with the calibration frequency requirements for measuring instruments	1		
Assessment of data and calculation of emission reductions or net removals	2	1	
Others (please specify)			
Total	6	3	

SECTION E. Verification findings

E.1. Compliance of the monitoring report with the monitoring report form

Means of verification	The monitoring report version 6 and previous versions /3/ submitted by the PP have been the basis for starting the verification process. RINA confirms that the Monitoring report is based on the currently valid MR template /10/ .
Findings	NA.
Conclusion	RINA verified that the monitoring report was completed in accordance with the CDM-MR-FORM - Monitoring report form, including its Attachment: Instructions for filling out the monitoring report form, version 05.1 /10/ .

E.2. Remaining forward action requests from validation and/or previous verification

Based on the registration review of the Gold Standard Foundation [/18/](#) and validation report [/8/](#), 1 FAR was raised during the validation.

FAR#1: The verifying DOE shall conduct interviews with the villagers and provide feedback about the points verified by the validating DOE.

The verification DOE asked mukhtars if they had any complaints on noise, expropriation private land, road conditions and dust problem caused by project activity and any negative comment or feedback are received. They also confirmed that there is a good relationship between the PP and villagers and it provides local job opportunities. Logbook could not be provided to the verification DOE. The relevant supporting document (correspondence or protocol signed between the PP and stakeholders responsible for logbook etc.). Additionally, during site visit grievance procedure is confirmed by interview with the mukhtars that the application was carried out effectively. However, supporting documents should have been provided.

A supporting document, which is signed by Yazoren mukhtar, is provided to the verification team. In addition, any negative feedback is not received to the PP or the mukhtar during the monitoring period. It is confirmed via interviews with local stakeholders during the site visit.

Hence, FAR#1 is closed.

E.3. Compliance of the project implementation with the registered project design document

Means of verification	The Monitoring Report for the project activity “Soma III Wind Farm”, version 6 16/11/2017 and previous versions submitted by the Soma Enerji Elektrik Uretim A.S. have been the basis for the verification process. It was verified during the site visit that the proposed project activity has been implemented and it is in operation in accordance with the project activity described in the registered PDD /1/. The starting date of operation and crediting period is stated as 28/11/2014 as confirmed through the Provisional Acceptance Certificates /20/. The project is a 100MW wind power plant and it consists of 50 wind turbines with a unit capacity of 2.MW each confirmed through Generation License has been provided to the verification team /19/. The technical details of the wind turbines are confirmed through Enercon wind turbine catalog /21/ The project boundary in the registered PDD /1/ is in line with the actual project boundary. The generated electricity is supplied to the National Electricity Transmission Grid of Turkey.
Findings	CAR 1: Please correct/revise the issues listed below: - The title of the project activity is not in line with the GS Markit registry. - The start date of the monitoring period given in the first page, Section A.5.and all related sections of the MR is not in line with the Provisional Acceptance Certificates which were indicated in the registered PDD Please revise all related sections and tables in accordance with the project commissioning date. Please provide Provisional Acceptance Certificates to verify commissioning dates - The format of the dates should be corrected as DD/MM/YYYY under the section A.1 of MR. - The last sentence given in the Section A.1. is not in line with the project activity. - Please provide supporting document regarding the technical details of the wind turbines given in the Table 1 - Please check punctuation in all section related to emission reduction calculation (such as section E.1., E.5. etc.). - Please fit the tables given in the section D.1. into the page. - Please provide license obtained from the EMRA - Please add a brief description of the installed technology and equipment and relevant dates for the project activity (e.g. construction, commissioning, continued operation periods, etc.) in the section of A.1 under the MR. - The title of the project activity is now in line with the GS Markit registry. - The monitoring and crediting period are now in line with the project activity. - The format of the dates are corrected as DD/MM/YYYY under the section A.1 of MR. - The last sentence given in the Section A.1. is now in line with the project activity. - Enercon product overview regarding the technical details of the wind turbines given in the Table 1 is provided to the verification. - Punctuation in all section related to emission reduction calculation are now corrected. - Formats of the tables given in the section D.1. are now corrected. - The generation license is provided to the verification team. - Section A.1. under the MR is now revised accordingly. Hence, CAR 1 is closed.
Conclusion	Based on the onsite inspection and checking the above documents, RINA confirms that the implementation of the project activity is in line with the registered PDD /1/.

E.4. Post-registration changes**E.4.1. Temporary deviations from the registered monitoring plan, monitoring methodology or standardized baseline**

Not applicable

E.4.2. Corrections

Not applicable

E.4.3. Changes to the start date of the crediting period

Not applicable.

E.4.4. Inclusion of a monitoring plan to a registered project activity

Not applicable

E.4.5. Permanent changes from registered monitoring plan, monitoring methodology or standardized baseline

Not applicable

E.4.6. Changes to the project design of a registered project activity

Not applicable

E.4.7. Types of changes specific to afforestation and reforestation project activities

Not applicable

E.5. Compliance of monitoring plan with the monitoring methodology including applicable tool and standardized baseline

Means of verification	The project applies the approved methodologies ACM0002 “Grid-connected electricity generation from renewable sources” version 15 of 01/06/2014 /7/ . The following tools are also applicable to the project activity: Tool to calculate the emission factor for an electricity system, version 04.0 /11/ ; “Tool for the demonstration and assessment of additionality”, version 07.0 of 23/11/2011 /12/ .
Findings	CR 1: The selected methodology in the 1 st page of the MR is not in line with the registered PDD. The selected methodology in the 1st page of the MR is now in line with the registered PDD. Hence, CR 1 is closed.
Conclusion	The monitoring plan in the registered PDD /1/ is in accordance with the monitoring methodology ACM0002 “Grid-connected electricity generation from renewable sources” 15.0 of 01/06/2014 /7/ .

E.6. Compliance of monitoring activities with the registered monitoring plan**E.6.1. Data and parameters fixed ex ante or at renewal of crediting period**

Means of verification	The parameters were available at the validation stage, which do not need to monitor during the crediting period, as per the registered PDD:			
	DATA/PARAMETER	Source of data	Reported value for the project period	Assessment/ Observation
	EF _{grid,CM,y} Combined Margin Emission Factor	TEIAS statistics	0.596 tCO _{2e} /MWh	As per the approved methodology ACM0002 version 15.0, the combined emission factor has been determined using the ex-ante option and so it is not requested to monitor and

				recalculate the emission factors during the crediting period. The combined emission factor is determined to be 0.596 tCO _{2e} /MWh in the registered PDD /1/ and validation report /8/.
Findings	CR2: Fixed ex-ante parameters' values applied which are "EG_{m,y} ", "FC_{i,y} " and "EF_{C02,i,y} couldn't be verified. Please clarify. Fixed ex-ante parameters' values applied which are "EG_{m,y} ", "FC_{i,y} " and "EF_{C02,i,y} could now be verified. Hence, CR 2 is closed.			
Conclusion	Data and parameters fixed ex-ante are in accordance with the registered PDD /1/			

E.6.2. Data and parameters monitored

Means of verification	The following parameters are monitored in accordance with the registered PDD /1/ The only monitoring parameter is "Quantity of net electricity generation supplied to the grid in year y by the project plant/unit that has been added under the project activity (EG_{PJ_ADD,y})" as per the registered monitoring plan presented in the registered PDD /1/. The parameter is monitored continuously and recorded at least monthly by two electricity meters. The main meter is ITRON with serial number 68012797 and the backup meter is ITRON with serial number 68012798. The accuracy of the meters is 0.2s as confirmed during on site visit and through first index protocol /24/. The accuracy class of the meters complies with the "Communiqué for Measurement Devices used in the Electricity Market" /14/. The electricity meters are sealed by TEIAS as confirmed during the site visit. This parameter is recorded monthly and the value of net electricity generation is calculated for this monitoring period.
Findings	CAR 2: Quantity of net electricity generation supplied to the grid (EG_{PJ_ADD,y}) is not in line with the supporting document (EPIAS records) for the following months; the year 2015 February, March, May, June, August, September, October, November and February 2016. Please revise the "GS 3253 Soma III Wind Farm Project 1st Monitoring Period Emission Reduction Calc v01 19042017.xls" excel sheet accordingly. Therefore, all the values in the monitoring report (including % difference) and the calculation excel sheet should be revised. The quantity of net electricity generation supplied to the grid (EG_{PJ_ADD,y}) is now in line with the supporting document (EPIAS records) for the following months March and April, 2015. The MR and Calculation has been revised by the PP accordingly. Hence, CAR 2 is closed. CR 3: Please add serial number, model, type and the accuracy class of the electricity meters in the monitoring report under the section of "monitoring equipment" of "ID6 (EG_{PJ_ADD,y})". parameter. Please provide first index protocol. The serial number, model, type and the accuracy class of the electricity meters are now provided in the monitoring report under the section of "monitoring equipment" of "ID6 (EG_{PJ_ADD,y})" parameter. The information given regarding the meters are confirmed through first index protocol and onsite inspection during the site visit. Hence, CR 3 is closed.
Conclusion	RINA's opinion that the monitoring of the project activity has been carried out in accordance with the monitoring plan in the registered GS Passport /2/. All the parameters were monitored and determined as per the registered monitoring plan. Referring to clause 117-122 of the VVS version 01.0 /6/. DOE confirms through site visit verification, from the document review, the actual monitoring system complies with the registered monitoring plan. During the verification, all the relevant monitoring parameters of the registered monitoring plan have been verified with regard to the appropriateness of the verification method; the correctness of the values applied for ER calculation, the accuracy and applied QA/QC measures. It is

	confirmed that all the monitoring parameters have been measured/determined without material misstatements
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E.6.3. Implementation of sampling plan

Means of verification	N/A
Findings	N/A
Conclusion	N/A

E.7. Compliance with the calibration frequency requirements for measuring instruments

Means of verification	TEIAS is responsible for calibration and maintenance of the devices as per the registered PDD. The project owner has no control on the meters since the meters are sealed by the TEIAS. If any major discrepancy occurs between the two meters, TEIAS performs necessary calibration. During this monitoring period no discrepancy was occurred. Recalibration of these meters will be done in line with the equipment requirements and through the period defined by national metrology institutes country by country and for Turkey this period is defined as 10 years. The calibration of meters is deemed appropriate and in compliance with the national regulation /10/. During the monitoring period, no brake down has been recorded. It is confirmed during on site visit that there is no re-calibration is required for this monitoring period.
Findings	CR 4: Please provide calibration document of the meters installed. The calibration details are now provided properly in the MR. Hence, CR 4 is closed.
Conclusion	RINA's opinion that the monitoring of the project activity has been carried out in accordance with the monitoring plan in the registered PDD /1/. The verifier confirms that the calibration confirms the proper functioning of the monitoring equipment and is valid for the whole verification monitoring period. In line with the clause 368 of VVS version 01.0 /6/.

E.8. Assessment of data and calculation of emission reductions or net removals

E.8.1. Calculation of baseline GHG emissions or baseline net GHG removals by sinks

Means of verification	The baseline emissions include the CO ₂ emissions from electricity generation in fossil fuel fired power plants that are displaced due to the project activity, multiplying the electricity supplied to the grid (MWh) with the combined margin CO ₂ emission factor for grid connected power generation in year. $BE_y = EG_{PJ,y} \times EF_{grid,CM,y}$ Where: $EG_{PJ,y}$ = Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the CDM project activity in year y (MWh/yr) $EF_{grid,CM,y}$ = Combined margin CO ₂ emission factor for grid connected power generation calculated using the latest version of the "Tool to calculate the emission factor for an electricity system"
Findings	CAR 2: Quantity of net electricity generation supplied to the grid ($EG_{PJ_ADD,y}$) is not in line with the supporting document (EPIAS records) for the following months; the year 2015 February, March, May, June, August, September, October, November and February 2016. Please revise the "GS 3253 Soma III Wind Farm Project 1st Monitoring Period Emission Reduction Calc v01 19042017.xls" excel sheet accordingly. Therefore, all the values in the monitoring report (including % difference) and the calculation excel sheet should be revised. The quantity of net electricity generation supplied to the grid ($EG_{PJ_ADD,y}$) is now in line with the supporting document (EPIAS records) for the following months March and April, 2015. The MR and Calculation has been revised by the PP accordingly. Hence, CAR 2 is closed.
Conclusion	RINA verified that the baseline emissions were calculated in accordance with the registered PDD and methodology ACM0002 "Grid-connected electricity generation from renewable sources" version 15 of 01/06/2014 /7/.

E.8.2. Calculation of project GHG emissions or actual net GHG removals by sinks

Means of verification	The project emissions are assumed to be zero as per the ACM0002 /7/ since the project is a renewable energy project as defined in the registered PDD /1/ and validation report /8/.
Findings	NA
Conclusion	RINA verified that the project emissions are assumed to be zero as per the ACM0002 /7/ as defined in the registered PDD /1/.

E.8.3. Calculation of leakage GHG emissions

Means of verification	The leakage emissions are assumed to be zero as per the ACM0002 /7/ as defined in the registered PDD /1/. Since the project and leakage emissions are zero, the emission reduction equals to baseline emissions.
Findings	N/A
Conclusion	Leakage was considered as zero in accordance with the applied methodology /7/.

E.8.4. Summary of calculation of GHG emission reductions or net anthropogenic GHG removals by sinks

Means of verification	According to the applied methodology “ACM0002”, “Consolidated baseline methodology for grid-connected electricity generation from renewable sources” /7/, the emission reductions have been calculated based on the following formula: $ER_y = BE_y - PE_y - Ly$ Where: BE_y = Baseline emissions in year y (tCO_{2e/yr}) PE_y = Project emissions in year y (tCO_{2e/yr}) Ly = Leakage emissions in year y (tCO_{2e/yr}) Total ER_y = 406,801 – 0 – 0 = 406,801 tCO_{2e}
Findings	CR 5: Please clarify the issues listed below: - Please provide in MR a clear description about which source of data is used to calculate emission reductions. - Please add crosscheck values into the calculation excel sheet to make comparison with primary electricity generation values. - EPIAS (PMUM) records are used in the calculation and a clear description about which source of data is used to calculate emission reductions (as main and crosscheck data) is now presented in the revised MR. - The crosscheck values are added into the calculation excel sheet to make comparison with primary electricity generation values. Hence, CR 5 is closed.
Conclusion	The emission reduction calculations provided in the spreadsheet /9/. They have been verified in line with the registered PDD /1/ and applied methodologies /7/.

E.8.5. Comparison of actual GHG emission reductions or net anthropogenic GHG removals by sinks with estimates in registered PDD

Means of verification	The emission reductions from the project for the monitoring period as reported in the monitoring report version 6 16/11/2017 and previous versions /3/ is equivalent to 406,801 tCO _{2e} . The reported emission reductions are approximately 4 % higher than the estimated emission reduction of 390,592 tCO _{2e} for the period (this monitoring period represents the electricity generation for 915 days) as per the registered PDD /1/.
Findings	CAR 2: Quantity of net electricity generation supplied to the grid (EG _{PJ_ADD,y}) is not in line with the supporting document (EPIAS records) for the following months; the year 2015 February, March, May, June, August, September, October, November and February 2016. Please revise the “GS 3253 Soma III Wind Farm Project 1st

	Monitoring Period Emission Reduction Calc v01 19042017.xls “excel sheet accordingly. Therefore, all the values in the monitoring report (including % difference) and the calculation excel sheet should be revised. The quantity of net electricity generation supplied to the grid ($EG_{PJ_ADD,y}$) is now in line with the supporting document (EPIAS records) for the following months March and April, 2015. The MR and Calculation has been revised by the PP accordingly. Hence, CAR 2 is closed. CR 6: Please revise the first page, section A.1., E.4., E.5 and E.6 of the monitoring report according to the corrected current monitoring period and calculation sheet. The monitoring and crediting period are now in line with to the project activity. Hence, CR 6 is closed.
Conclusion	Verified during the onsite visit the reported emission reductions are slightly higher than the estimated emission reduction in the registered PDD /1/ .

E.8.6. Remarks on difference from estimated value in registered PDD

Means of verification	For the project activity, the reason for this increase in emission reductions is the weather conditions. This difference may occur due to the high wind than expected during the validation process. A difference of approximately 4 % is acceptable.
Findings	CAR 2: Quantity of net electricity generation supplied to the grid ($EG_{PJ_ADD,y}$) is not in line with the supporting document (EPIAS records) for the following months; the year 2015 February, March, May, June, August, September, October, November and February 2016. Please revise the “GS 3253 Soma III Wind Farm Project 1st Monitoring Period Emission Reduction Calc v01 19042017.xls “excel sheet accordingly. Therefore, all the values in the monitoring report (including % difference) and the calculation excel sheet should be revised. The quantity of net electricity generation supplied to the grid ($EG_{PJ_ADD,y}$) is now in line with the supporting document (EPIAS records) for the following months March and April, 2015. The MR and Calculation has been revised by the PP accordingly. Hence, CAR 2 is closed.
Conclusion	The reported emission reductions are approximately 4 % higher than the estimated emission reduction of 390,592 tCO _{2e} for the period (this monitoring period represents the electricity generation for 915 days) as per the registered PDD /1/ .

E.8.7. Actual GHG emission reductions or net anthropogenic GHG removals by sinks during the first commitment period and the period from 1 January 2013 onwards

Means of verification	The actual emission reductions from the project for the monitoring period as reported in the monitoring report version 6 /3/ is equivalent to 406,801 tCO _{2e} .
Findings	CAR 2: Quantity of net electricity generation supplied to the grid ($EG_{PJ_ADD,y}$) is not in line with the supporting document (EPIAS records) for the following months; the year 2015 February, March, May, June, August, September, October, November and February 2016. Please revise the “GS 3253 Soma III Wind Farm Project 1st Monitoring Period Emission Reduction Calc v01 19042017.xls “excel sheet accordingly. Therefore, all the values in the monitoring report (including % difference) and the calculation excel sheet should be revised. The quantity of net electricity generation supplied to the grid ($EG_{PJ_ADD,y}$) is now in line with the supporting document (EPIAS records) for the following months March and April, 2015. The MR and Calculation has been revised by the PP accordingly. Hence, CAR 2 is closed.
Conclusion	The emission reductions calculation provided in the spreadsheet have been verified to be correct and in line with the registered PDD /1/ . Additionally, the actual monitoring period does not fall into the first commitment period.

E.8.8. Assessment of the sustainability parameters

Means of verification	The assessment of the monitored parameters is described in the tables below:		
	Data variable	Source of Data	Reported value for the project period
	Air Quality Electricity delivered to the grid substituting fossil fuel based electricity generation in the baseline resulting in decreased NO _x and SO _x Dust mitigation	Electricity Generation and Calculation Pictures of water sprinklers	- 0.045 kg/MWh SO ₂ - 1,81 kg/MWh NO _{2x}
	Assessment		
	<u>Electricity delivered to the grid substituting fossil fuel based electricity generation in the baseline resulting in decreased NO_x and SO_x:</u> The parameter is monitored once for each monitoring period by calculation. For simplicity and conservativeness the values of the parameter are calculated as 0.45 kg/MWh SO₂ and 1.81 kg/MWh NO_x as confirmed through the calculation excel sheet /9/. However, SO₂ and NO_x emissions from grid connected plants should be recalculated <u>Dust emissions:</u> According to the validation report level of dust emissions during construction of the project activity is validated via photos (such as pictures of water sprinklers used during the construction). Additionally, it is indicated in the registered GS Passport /2/. the parameter is to be monitored once during first verification by visual inspection (such as pictures of water sprinklers used during the construction). During on site visit this parameter is also verified by interview with the mukhtars.		

Data variable	Source of Data	Reported value for the project period
Other pollutants Noise	Interview	No negative impact is observed.
Assessment		
<u>Noise:</u> The parameter is monitored during validation or first verification by Interviews. During site visit, the project activity is away from villages. Also the parameter is verified by interview with stakeholders. It is asked mukhtars if they had any complaints on noise and any negative feedbacks are received.		

Data variable	Source of Data	Reported value for the project period
Quality of Employment Trainings on occupational health and safety. Availability of protection equipment.	Training Certificates or Training Attendance Lists /16/ /17/	All employees working in the plant participated to the Health and Safety trainings except the health and safety expert for the facility due to he has a degree.
Assessment		
<u>Trainings on occupational health and safety. Availability of protection equipment:</u> The parameter is monitored once for each monitoring period through training certificates or training attendance lists. Additionally during site visit local employment is validated via interviews.		

	documents are not provided. However, the parameter is not related to local employment according to the registered GS Passport so please revise the monitoring result tables properly. Expropriation of Private Land: Please add a clear explanation about the final situation of the parameter. Air Quality: <u>Electricity delivered to the grid substituting fossil fuel based electricity generation in the baseline resulting in decreased NO_x and SO_x:</u> Calculations of NO_x and SO_x are now in line with the corrected value of electricity generation calculation. Quality of Employment <u>Trainings on occupational health and safety. Availability of protection equipment:</u> The training attendance list /16/ for Mr. Sercan and the contract signed between the PP and the occupational safety specialist (Mr. Nevzat) /28/ are provided to the verification team. The explanation added in the MR about Mrs. Demet is found sufficient. Quantitative employment and job creation: <u>Job creation:</u> The project creates jobs in the project area. 43 people are employed by the project activity and confirmed through the "Social Security Institution Records". The explanation is found sufficient due to Soma I, II and III are under the same company and all these projects are being taken into account GS VER project activity with the same parameter since the benefit of the job creation is linked Expropriation of Private Land: The supporting document is provided regarding the ongoing process of expropriation. In addition, during the site visit the mukhtar of the Yazoren Village and the aza of the mukhtar were interviewed and no negative feedbacks received. However, the process should be verified after finalising the expropriation of private lands. Hence FAR 1 is raised. Hence, CAR 3 is closed.
Conclusion	RINA verified that the GS indicators described in the monitoring report are accurate and real. Data to cross check the monitored parameters are available at the office of the company. Also the registers of the sustainability indicators were available during the onsite inspection.

SECTION F. Internal quality control

The draft final verification report before being submitted to the client is subjected to an independent technical review to confirm that all validation activities has been completed according to the pertinent RINA's procedures. The technical review will be/is performed by a technical reviewer(s) qualified in accordance with the RINA's qualification procedure.

SECTION G. Verification opinion

RINA Services Spa (RINA) has performed verification of the emission reductions reported for the project activity "Soma III Wind Farm", GS Registration Reference No. 3253 for the period 28/11/2014 - 31/05 /2017, with regard to the relevant GS requirements and principles. The project participants are responsible for the preparation for the collection of data in accordance with the monitoring plan and the reporting emission reductions from the project. It is RINA's responsibility to express an independent verification opinion on the reported emission reductions from the project and does not express any opinion on the selected baseline scenario or on the validated and registered PDD. Based on documented evidences and corroborated by an on-site assessment RINA can confirm that: (i) the project has been implemented and operated as per the registered PDD; (ii) the monitoring report and other supporting documents provided are complete and verifiable and in accordance with the applicable GS requirements and principles; (iii) the monitoring is in place as per the applied baseline and monitoring methodology; (iv) the monitoring complies with the registered monitoring plan; (v) the monitoring plan in the registered PDD is as per the applied baseline and monitoring methodology.

SECTION H. Certification statement

It is RINA's opinion that the GHG emission reductions stated in the monitoring report version 6 16/11/2017 and previous versions for the project activity "Soma III Wind Farm" for the period 28/11/2014 - 31/05 /2017 are fairly stated. The GHG emission reductions were calculated correctly on the basis of the approved monitoring methodology ACM0002, Grid-connected electricity generation from renewable sources --- Version 15.0.0. Hence RINA is able to certify that the emission reductions from the project during the monitoring period 28/11/2014 - 31/05 /2017 amount to 406,801 tCO_{2e}.

Appendix 1. Abbreviations

Abbreviations	Full texts
BE	Baseline Emissions
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CDM M&P	Modalities and Procedures CDM
CER(s)	Certified Emission Reduction(s)
CH ₄	Methane
CR	Clarification Request
CO ₂	Carbon dioxide
CO ₂ e	Carbon dioxide equivalent
CRT	Coordination and Technical Control Staff
DCI	Certification Division of RINA Services Spa
DNA	Designated National Authority
DOE	Designated Operational Entity
EB	Executive Board
ER	Emission Reductions
FAR	Forward Action Request
GHG(s)	Greenhouse gas(es)
GS	Gold Standard
GWP	Global Warming Potential
IPCC	Intergovernmental Panel on Climate Change
LoA	Letter of Approval
MoV	Means of Verification
MR	Monitoring Report
NGO	Non-governmental Organization
ODA	Official Development Assistance
PDD	Project Design Document
PE	Project Emission
PP(s)	Project Participant(s)
Ref.	Document Reference
RINA	RINA Services Spa
SS(s)	Sectoral Scope(s)
TA(s)	Technical Area(s)
UNFCCC	United Nations Framework Convention on Climate Change
VVS	Validation and Verification Standard

Appendix 2. Competence of team members and technical reviewers



CERTIFICATO DI QUALIFICA PER GLI SCHEMI VOLONTARI*
QUALIFICATION CERTIFICATE FOR VOLUNTARY SCHEMES*

Si attesta che il sig./sig.ra:
 We declare that Mr/Mrs/Ms:

Tugce Kiratli

è qualificato come:
 is qualified as:

TEC, VAL, VER, TL, ITRP
 LOCAL EXPERT

per le seguenti aree tecniche:
 for the following technical areas:

AREE TECNICHE TECHNICAL AREAS	DESCRIZIONE DELL'AREA TECNICA TECHNICAL AREA DESCRIPTION	SCOPO SETTORIALE SECTORAL SCOPE
1.2	Renewables	1
13.1	Solid waste and wastewater	13

REVISIONE REVISION	DATA DATE	MOTIVAZIONI PER LA REVISIONE REASON FOR THE REVISION
0	19/07/2015	First issue with new template
1	09/06/2017	Added qualification as ITRP and Local Expert

Responsabile di schema
 Scheme Leader
 Laura Severino

*SCHEMI VOLONTARI/ VOLUNTARY SCHEMES: ACR American Carbon Registry, CCB The Climate, Community & Biodiversity Alliance, GS Gold Standard, JI Joint Implementation, SCS Social Carbon Standard, VCS Verified Carbon Standard.

TEC: Technical expert; VAL: Validator; VER: Verifier; TL: Team leader; FIN EXP: Financial Expert; ITRP: Independent technical reviewer

RINA Services S.p.A. è accreditata/riconosciuta da
 RINA Services S.p.A. is accredited/recognized by

UNFCCC	quali Entità Operative Designate (DOE), per condurre la Validazione e la Verifica di Progetti CDM as Designated Operational Entity (DOE), to carry out Validation and Verification of CDM Projects
VCSA	per condurre la Validazione e la Verifica di Progetti VCS to carry out Validation and Verification of VCS Projects
GS Foundation	per condurre la Validazione e la Verifica di Progetti GS to carry out Validation and Verification of GS Projects
Ecologic Institute	per condurre la Validazione e la Verifica di rapporti SCS to carry out Validation and Verification of SCS Reports
American Carbon Registry ACR	per condurre la Validazione e la Verifica di Progetti ACR to carry out Validation and Verification of ACR projects
The Climate, Community & Biodiversity Alliance CCB	per condurre la Validazione e la Verifica di Progetti co-benefit CCB to carry out Validation and Verification of co-benefit CCB projects

GHG_QUAL_CERT_EN_07_15 Voluntary(Certificate)

Page 1 of 1



CERTIFICATO DI QUALIFICA PER GLI SCHEMI VOLONTARI*
QUALIFICATION CERTIFICATE FOR VOLUNTARY SCHEMES*

Si attesta che il sig./sig.ra:
 We declare that Mr/Mrs/Ms:

Fulya Ekinci Ozen

è qualificato come:
 is qualified as:

TEC, VER, LOCAL EXPERT, TL, ITRP

AREE TECNICHE TECHNICAL AREAS	DESCRIZIONE DELL'AREA TECNICA TECHNICAL AREA DESCRIPTION	SCOPO SETTORIALE SECTORAL SCOPE
1.2	Renewables	1
13.1	Solid waste and wastewater	13

REVISIONE REVISION	DATA DATE	MOTIVAZIONI PER LA REVISIONE REASON FOR THE REVISION
0	27/01/2017	First issue
4	09/10/2017	Update qualification as ITRP

Responsabile di schema
 Scheme Leader
 Laura Severino

*SCHEMI VOLONTARI/ VOLUNTARY SCHEMES: ACR American Carbon Registry, CCB The Climate, Community & Biodiversity Alliance, GS Gold Standard, JI Joint Implementation, SCS Social Carbon Standard, VCS Verified Carbon Standard.

TEC: Technical expert; VAL: Validator; VER: Verifier; TL: Team leader; FIN EXP: Financial Expert; ITRP: Independent technical reviewer

RINA Services S.p.A. è accreditato/ricosciuto da

RINA Services S.p.A. is accredited /recognized by

UNFCCC	quale Entità Operativa Designata (DOE), per condurre la Validazione e la Verifica di Progetti CDM as Designated Operational Entity (DOE), to carry out Validation and Verification of CDM Projects
VCSA	per condurre la Validazione e la Verifica di Progetti VCS to carry out Validation and Verification of VCS Projects
GS Foundation	per condurre la Validazione e la Verifica di Progetti GS to carry out Validation and Verification of GS Projects
Ecologica Institute	per condurre la Validazione e la Verifica di rapporti SCS to carry out Validation and Verification of SCS Reports
American Carbon Registry ACR	per condurre la Validazione e la Verifica di Progetti ACR to carry out Validation and Verification of ACR projects
The Climate, Community & Biodiversity Alliance CCB	per condurre la Validazione e la Verifica di Progetti co-benefit CCB to carry out Validation and Verification of co-benefit CCB projects

GHG_QUAL_CERT_EN_07_16 Voluntary(Certificate)

Page 1 of 1



CERTIFICATO DI QUALIFICA PER GLI SCHEMI VOLONTARI*
QUALIFICATION CERTIFICATE FOR VOLUNTARY SCHEMES*

Si attesta che il sig./sig.ra:
 We declare that Mr/Mrs/Ms:

Rita Valoroso

è qualificato come:
 is qualified as:

TEC, VAL, VER, TL, ITRP

per le seguenti aree tecniche:
 for the following technical areas:

AREE TECNICHE TECHNICAL AREAS	DESCRIZIONE DELL'AREA TECNICA TECHNICAL AREA DESCRIPTION	SCOPO SETTORIALE SECTORAL SCOPE
1.2	Renewables	1
3.1	Energy demand	3
13.1	Solid waste and wastewater	13

REVISIONE REVISION	DATA DATE	MOTIVAZIONI PER LA REVISIONE REASON FOR THE REVISION
0	19/07/2016	First issue with new template (this certificate is linked to CDM qualification)

Responsabile QPT
 Head of QPT
 Laura Severino

*SCHEMI VOLONTARI/ VOLUNTARY SCHEMES: ACR American Carbon Registry, CCB The Climate, Community & Biodiversity Alliance, GS Gold Standard, JI Joint Implementation, SCS Social Carbon Standard, VCS Verified Carbon Standard.

TEC: Technical expert; VAL: Validator; VER: Verifier; TL: Team leader; FIN EXP: Financial Expert; ITRP: Independent technical reviewer

RINA Services S.p.A. è accreditato/ricosciuto da
 RINA Services S.p.A. is accredited /recognized by

UNFCCC	quali Entità Operative Designate (DOE), per condurre la Validazione e la Verifica di Progetti CDM as Designated Operational Entity (DOE), to carry out Validation and Verification of CDM Projects
VCSA	per condurre la Validazione e la Verifica di Progetti VCS to carry out Validation and Verification of VCS Projects
GS Foundation	per condurre la Validazione e la Verifica di Progetti GS to carry out Validation and Verification of GS Projects
Ecologic Institute	per condurre la Validazione e la Verifica di rapporti SCS to carry out Validation and Verification of SCS Reports
American Carbon Registry ACR	per condurre la Validazione e la Verifica di Progetti ACR to carry out Validation and Verification of ACR projects
The Climate, Community & Biodiversity Alliance CCB	per condurre la Validazione e la Verifica di Progetti co-benefit CCB to carry out Validation and Verification of co-benefit CCB projects

Appendix 3. Documents reviewed or referenced

No	Author	Title	References to the document	Provider
1	OAK Danismanlik.	GS-PDD for “Soma III Wind Farm” in Turkey	version 8 of 10/11/2015	Project participant
2	OAK Danismanlik.	Gold Standard Passport for Project Activity “Soma III Wind Farm” in Turkey	version 0.3 of 08/01/2015	Project participant
3	OAK Danismanlik.	Monitoring Report for Project Activity GS3253 Soma III Monitoring Report v1 wtc 23062017.doc GS3253 Soma III Monitoring Report v2 wtc 23062017.doc GS3253 Soma III Monitoring Report v3 wtc 07082017.doc. GS3253 Soma III Monitoring Report v4 wtc 06092017.doc. GS3253 Soma III Monitoring Report v5 wtc 12102017.doc GS3253 Soma III Monitoring Report v6 wtc 12102017.doc	version 1 of 19/04/2017 version 2 of 23/06/2017 version 3 of 07/08/2017 version 4 of 06/09/2017 version 6 of 1210/2017 version 6 of 16/11/2017	Project participant
4	Gold Standard Foundation	Gold Standard Requirements	version 2.2 of 01/07/2012	Publicly available
5	Gold Standard Foundation	Gold Standard Toolkit	version 2.2 of 01/07/2012	Publicly available
6	CDM Executive Board	Clean Development Mechanism Validation and Verification Standard	version 01.0 of 03/03/2017	Publicly available
7	CDM Executive Board	Baseline and monitoring methodology “ACM0002”, “Grid-connected electricity generation from renewable sources”	version 15.0 of 01/06/2014	Publicly available
8	Re Consult	Validation Report for “Soma III Wind Farm” No 281	version 04 of 19/01/2015	Others
9	OAK Danismanlik.	Emission Reduction Calculation Spreadsheet “GS 3253 Soma III Wind Farm Project 1st Monitoring Period Emission Reduction Calc v01 .xls ” “GS 3253 Soma III Wind Farm Project 1st Monitoring Period Emission Reduction Calc v2.xls” “GS 3253 Soma III Wind Farm Project 1st Monitoring Period Emission Reduction Calc v3 .xls”	version 1 submitted on 19/04/2017 version 2 submitted on 23/06/2017 version 3 submitted on 07/08/2017	Project participant
10	CDM Executive Board	Guideline for Completing the Monitoring Report Form	version 05.1 of 04/05/2015	Publicly available
11	CDM Executive Board	Methodological Tool “Tool to calculate the emission factor for an electricity system”	version 04.0.0 of 04/10/2013	Publicly available
12	CDM Executive Board	Methodological Tool “ Tool for the demonstration and assessment of additionality”	version 07.0.0 of 23/11/2012	Publicly available
13	Market Financial Settlement Center (EPIAS)	Monthly Electricity Records within the Monitoring Period	from 28/11/2014 – 31/12/2016	Project participant
14	Energy Market Regulatory Authority	Communiqué for Measurement Devices used in the Electricity Market	date 22/03/2003 of	Publicly available

15	The Ministry of Trade and Industry	Regulation of Metering and Testing of Metering Systems	date 24/07/1994	of	Publicly available
16	Polat Enerji	Health and Safety Training for 11 Employees Health and Safety Training for 26 Employees Health and Safety Training for 12 Employees Health and Safety Training for an Employee	date 31/03/2015 date 20/10/2015 date 16/02/2016 date 04/08/2016	of of of of	Project participant
17	Ekoglobal	First Aid and Occupational Diseases Training for 4 Employees First Aid and Occupational Diseases Training for 12 Employees First Aid, Hygiene and Occupational Diseases Training for 12 Employees First Aid, Hygiene and Occupational Diseases Training for 3 Employees	date 23/02/2015 date 20/04/2016 date 22/06/2015 date 11/08/2016	of of of of	Project participant
18	Gold Standard Foundation	6-week registration review period under GS version 2.2	date 05/02/2016	of	Project participant
19	Energy Market Regulatory Authority	Amended Generation License EU/1149-7/827	date 04/04/2007	of	Project participant
20	Ministry of Energy and Natural Resources	1.Provisional Acceptance Certificate of Turbines #164,165,166,167,168,141,142,143,145,151,152,153,154,155,156 2.Provisional Acceptance Certificate of Turbines #157,158,159,160,161,162,163,146,147,148,149,150 3.Provisional Acceptance Certificate of Turbines #138,139,169 4.Provisional Acceptance Certificate of Turbines #127,128,129,130,131,140,124,125,126 5.Provisional Acceptance Certificate of Turbines #132,133,134,135,136,137 6.Provisional Acceptance Certificate of Turbines #120,121,122,123	date 28/11/2014 date 25/12/2014 date 07/02/2015 date 20/03/2015 date 09/04/2015 date 26/06/2015	of of of of of of of	Project participant
21	Enercon	Enercon Wind Turbine Specification Catalog	submitted 27/06/2017	on	Project participant
22	Ministry of Labor and Social Security	The List of Total Employees hired by the PP	date 23/02/2017	of	Project participant
23	TEIAS	Monthly Meter Records	from 28/11/2014 – 31/12/2016		Project participant
24	TEIAS	First Index Protocol for Primary and Secondary Meters	date 23/09/2014	of	Project participant
25	General Directorate of Legislation Development and Publication	Council of Ministers Decision of Urgent Expropriation	date 31/05/2014	of	Publicly available

26	Energy Market Regulatory Authority	Official Letter of Urgent Expropriation	date 13/11/2014	of	Project participant
27	Soma Enerji	Log Book signed by the Yazoren Village's Mukhtar	submitted 27/06/2017	on	Project participant
28	Ministry of Labor and Social Security	Contract signed between the PP and the occupational safety specialist (Mr. Nevzat Can)	submitted 27/06/2017	on	Project Participant
29	RINA	Final Verification Report of Soma Project (Soma I, II)	version 1.1. 19/02/2013	of	Project Participant

Appendix 4. Clarification requests, corrective action requests and forward action requests

Table 1. Remaining FAR from validation and/or previous verification

FAR ID	01	Section no.		Date:	
Description of FAR					
The verifying DOE shall conduct interviews with the villagers and provide feedback about the points verified by the validating DOE					
Project participant response					Date:
Necessary arrangements has been facilitated for the DOE to conduct interviews with the villagers					
Documentation provided by project participant					
DOE assessment					Date: 07/06/2017
The verification DOE asked mukhtars if they had any complaints on noise, expropriation private land, road conditions and dust problem caused by project activity and any negative comment or feedback are received. They also confirmed that there is a good relationship between the PP and villagers and it provides local job opportunities. Logbook could not be provided to the verification DOE. The relevant supporting document (correspondence or protocol signed between the PP and stakeholders responsible for logbook etc.). Additionally, during site visit grievance procedure is confirmed by interview with the mukhtars that the application was carried out effectively. However, supporting documents should have been provided. Hence, FAR#1 is not closed.					
DOE assessment					Date:
A supporting document, which is signed by Yazoren mukhtar, is provided to the verification team. In addition, any negative feedback is not received to the PP or the mukhtar during the monitoring period. It is confirmed via interviews with local stakeholders during the site visit. Hence, FAR#1 is closed.					

Table 2. CR from this verification

CR ID	1	Section no.	E.5	Date:	07/06/2017
Description of CR					
The selected methodology in the 1st page of the MR is not in line with the registered PDD					
Project participant response					Date: 27/06/2017
The name of the methodology is corrected under the MR.					
Documentation provided by project participant					
Revised MR.					
DOE assessment					Date:
The selected methodology in the 1st page of the MR is written as ACM002 and still is not in line with the registered PDD. Please correct accordingly. Hence, CR 1 is not closed.					
Project participant response					Date: 07/08/2017
The MR has been revised accordingly.					
DOE assessment					Date: 16/08/2017
The selected methodology in the 1st page of the MR is now in line with the registered PDD. Hence, CR 1 is closed.					

CR ID	2	Section no.	E.6.1	Date: 07/06/2017
Description of CR				
Fixed ex-ante parameters' values applied which are "EG _{m,y} ", "FC _{i,y} " and "EF _{C02,i,y} " couldn't be verified. Please clarify.				
Project participant response				Date: 27/06/2017
The MR is revised to provide correct table numbers under the registered PDD.				
Documentation provided by project participant				
Revised MR.				
DOE assessment				Date: 16/08/2017
Fixed ex-ante parameters' values applied which are "EG _{m,y} ", "FC _{i,y} " and "EF _{C02,i,y} " could now be verified. Hence, CR 2 is closed.				

CR ID	3	Section no.	E.6.2	Date: 07/06/2017
Description of CR				
Please add serial number, model, type and the accuracy class of the electricity meters in the monitoring report under the section of "monitoring equipment" of "ID6 (EG _{PJ_ADD,y})" parameter. Please provide first index protocol.				
Project participant response				Date: 27/06/2017
Brand, model, serial number and accuracy information has been included to the MR.				
Documentation provided by project participant				
Revised MR and first index protocol.				
DOE assessment				Date: 11/07/2017
The serial number, model, type and the accuracy class of the electricity meters are now provided in the monitoring report under the section of "monitoring equipment" of "ID6 (EG _{PJ_ADD,y})" parameter. The information given regarding the meters are confirmed through first index protocol and onsite inspection during the site visit. Hence, CR 3 is closed.				

CR ID	4	Section no.	E.7.	Date: 07/06/2017
Description of CR				
Please provide calibration document of the meters installed				
Project participant response				Date: 27/06/2017
The initial index protocol has been shared with the DOE.				
Documentation provided by project participant				
The initial index protocol.				
DOE assessment				Date: 11/07/2017
The initial index protocol is now provided to the verification team. However, please add the calibration date of the meters in the MR and please indicate whether it is still valid. Hence, CR 4 is not closed.				
Project participant response				Date: 07/08/2017
The MR has been revised accordingly.				
DOE assessment				Date: 11/07/2017
The calibration details are now provided properly in the MR. Hence, CR 4 is closed.				

CR ID	5	Section no.	E.8.4.	Date: 07/06/2017
Description of CR				
Please clarify the issues listed below:				
- Please provide in MR a clear description about which source of data is used to calculate emission reductions. - Please add crosscheck values into the calculation excel sheet to make comparison with primary electricity generation values				
Project participant response				Date: 27/06/2017
- PMUM records are used for the calculation of the emission reductions - Cross check values have been provided to the excel sheet (please refer to second sheet of the excel)				

Documentation provided by project participant	
Monthly meter reading protocols, revised calculation.	
DOE assessment	Date: 11/07/2017
- EPIAS (PMUM) records are used in the calculation. However a clear description about which source of data is used to calculate emission reductions (as main and crosscheck data) is not presented in the revised MR. Please revise the MR accordingly. - Crosscheck values (monthly meter readings) are now provided into the calculation excel sheet to make comparison with primary electricity generation values. However some of the given values and monthly meter reading protocols do not belong to meter installed (Seri no: 68012797) of the project activity. Please correct and clarify.	
Hence, CR 5 is not closed.	
Project participant response	Date: 07/08/2017
- Explanation is added to the monitoring report. Regarding insertion of crosscheck values, this data is only related with validation procedures and therefore the PP did not insert the data into the MR since it is not a part of the ER calculation and is only used by the DOE to crosscheck the data used to calculate the ERs. - The Emission reductions are calculated based on the PMUM records and these values are consistent with the evidence provided to the DOE. However the serial numbers were incorrectly entered during preparation of the document.	
DOE assessment	Date: 16/08/2017
- EPIAS (PMUM) records are used in the calculation and a clear description about which source of data is used to calculate emission reductions (as main and crosscheck data) is now presented in the revised MR. - The clarification is found sufficient.	
Hence, CR 5 is closed.	

CR ID	6	Section no.	E.8.5.	Date: 07/06/2017
Description of CR				
Please revise the first page, section A.1., E.4., E.5 and E.6 of the monitoring report according to the corrected current monitoring period and calculation sheet.				
Project participant response				Date: 27/06/2017
MR has been revised accordingly.				
Documentation provided by project participant				
Revised MR.				
DOE assessment				Date: 11/07/2017
The monitoring period is given as 28/11/2014 – 31/05/2017. However the start date of the monitoring period is not in line with the project activity. As per stated in the Provisional Acceptance Certificates the date of the commissioning of first 16 turbines is 28/11/2014. Please correct the monitoring and crediting period through the whole report accordingly.				
Hence, CR 6 is not closed.				
Project participant response				Date: 07/08/2017
MR has been revised accordingly.				
Documentation provided by project participant				
Revised MR.				
DOE assessment				Date: 16/08/2017
The monitoring and crediting period are now in line with to the project activity.				
Hence, CR 6 is closed.				

Table 3. CAR from this verification

CAR ID	1	Section no.	E.3.	Date: 07/06/2017
Description of CAR				
Please correct/revise the issues listed below:				
- The title of the project activity is not in line with the GS Markit registry. - The start date of the monitoring period given in the first page, Section A.5. and all related sections of the MR is not in line with the Provisional Acceptance Certificates which were indicated in the registered PDD. Please revise all related sections and tables in accordance with the project commissioning date. Please provide Provisional Acceptance Certificates to verify commissioning dates. - The format of the dates should be corrected as DD/MM/YYYY under the section A.1 of MR. - The last sentence given in the Section A.1. is not in line with the project activity. - Please provide supporting document regarding the technical details of the wind turbines given in the Table 1. - Please check punctuation in all section related to emission reduction calculation (such as section E.1., E.5. etc.). - Please fit the tables given in the section D.1. into the page. - Please provide license obtained from the EMRA. - Please add a brief description of the installed technology and equipment and relevant dates for the project activity (e.g. construction, commissioning, continued operation periods, etc.) in the section of A.1 under the MR.				
Project participant response				Date: 27/06/2017
- The name has been corrected as Soma III Wind Farm. - Although the first commissioning was on 28.11.2014, the Monitoring period starts from 01.11.2014 for easy reading since the electricity meter readings are monthly (first day of month) based. Other errors related with the monitoring dates have been corrected under the MR. - The commissioning dates have been validated during the validation site visit by DOE. - Date format have been revised accordingly. - Values have been revised accordingly. - Reference has been included. - Punctuation errors have been corrected. - Format have been corrected. - License has been provided to the DOE. - Timeline including important milestones have been included to the MR.				
Documentation provided by project participant				
Revised MR.				
DOE assessment				Date: 11/07/2017
- The title of the project activity is now in line with the GS Markit registry. - Please revise the monitoring start date as per given in the Provisional Acceptance Certificate. Also please revise the crediting period accordingly. - The format of the dates are corrected as DD/MM/YYYY under the section A.1 of MR. - The last sentence given in the Section A.1. is now in line with the project activity. - Enercon product overview regarding the technical details of the wind turbines given in the Table 1 is provided to the verification. However the technical details are inconsistent with the table 1. Please clarify the current technical details implemented of the project activity. - Punctuation in all section related to emission reduction calculation are now corrected. - Formats of the tables given in the section D.1. are now corrected. - The generation license is provided to the verification team. However, the current situation is not consistent with the license provided. Please provide the revised generation license. - Section A.1. under the MR is now revised accordingly.				
Hence, CAR 1 is not closed.				
Project participant response				Date: 07/08/2017
- Monitoring start date is revised accordingly. - The rated power is 2.3 MWm however the turbine is curtailed to 2 MWe for the project. Explanation is provided to the MR. - The latest version of the generation license is provided to the DOE.				
DOE assessment				Date: 16/08/2017

- The monitoring and crediting period are now in line with the project activity.
 - The explanation is provided in the MR regarding the technical details and it is found sufficient.
 - The generation license is provided to the verification team and current situation is now more clear.
- Hence, CAR 1 is closed.**

CAR ID	2	Section no.	E.6.2	Date: 08/06/2017
Description of CAR				
Quantity of net electricity generation supplied to the grid ($EG_{PJ_ADD,y}$) is not in line with the supporting document (EPIAS records) for the following months; the year 2015 February, March, May, June, August, September, October, November and February 2016. Please revise the "GS 3253 Soma III Wind Farm Project 1st Monitoring Period Emission Reduction Calc v01 19042017.xls" excel sheet accordingly. Therefore, all the values in the monitoring report (including % difference) and the calculation excel sheet should be revised.				
Project participant response				Date: 27/06/2017
MR have been revised accordingly.				
Documentation provided by project participant				
Revised Calculation and MR.				
DOE assessment				Date: 11/07/2017
The project proponent decided to add the month of January, February, March, April and May – 2017 to the GHG emissions calculations.				
However, quantity of net electricity generation supplied to the grid ($EG_{PJ_ADD,y}$) is not in line with the supporting document (EPIAS records) for the following months March and April, 2015				
Hence, CAR 2 is not closed.				
Project participant response				Date: 07/08/2017
March and April 2015 data have been revised.				
Documentation provided by project participant				
Revised Calculation and MR.				
DOE assessment				Date: 16/08/2017
The quantity of net electricity generation supplied to the grid ($EG_{PJ_ADD,y}$) is now in line with the supporting document (EPIAS records) for the following months March and April, 2015. The MR and Calculation has been revised by the PP accordingly.				
Hence, CAR 2 is closed.				

CAR ID	3	Section no.	E.8.8	Date: 08/06/2017
Description of CAR				
Air Quality:				
<u>Electricity delivered to the grid substituting fossil fuel based electricity generation in the baseline resulting in decreased NO_x and SO_x:</u> Please revise the calculation on NO_x and SO_x in line with corrected value of electricity generation calculation.				
<u>Dust emissions.</u> Please provide pictures of water sprinklers used during the construction.				
Quality of Employment				
<u>Trainings on occupational health and safety. Availability of protection equipment.:</u> Additionally during site visit local employment is validated via interviews. However, the supporting documents should be provided for all employees. The parameter could not be confirmed via training certificates or training attendance lists.				
Quantitative employment and job creation:				
<u>Job creation:</u> The parameter could not be confirmed since the supporting documents are not provided. However, the parameter is not related to local employment according to the registered GS Passport so please revise the monitoring result tables properly.				
Expropriation of Private Land: Please add a clear explanation about the final situation of the parameter.				
Project participant response				Date: 27/06/2017

Air Quality: Calculations have been revised. Dust Emissions: This parameter has been also verified during the validation period. Pictures have been also provided to the DOE. Quality of Employment: Training documentation are provided to the DOE. Quantitative employment and job creation: There are 43 employees working for PP at the site. Since both project activities Soma I, II and III are under the same company it is not possible to identify which employee is working for Soma III. However taking into account that Soma project (I, II and III) is GS registered project activity with the same parameter, the benefit is linked. SGK documentations are provided to the DOE. Expropriation of private land: The process of expropriation is still ongoing due to heavy bureaucracy. However, as discussed during the site visit there are no negative issues regarding locals. Document have been shared with the DOE.	
Documentation provided by project participant	
Revised MR.	
DOE assessment	Date: 11/07/2017
Air Quality: <u>Electricity delivered to the grid substituting fossil fuel based electricity generation in the baseline resulting in decreased NO_x and SO_x:</u> Please revise the calculation on NO_x and SO_x in line with corrected value of electricity generation calculation. Please refer to CAR 2. <u>Dust emissions:</u> The pictures of water sprinklers used during the construction are provided to the verification team. Quality of Employment <u>Trainings on occupational health and safety. Availability of protection equipment:</u> The SGK records for provided to the verification team to confirm currently how many employees are working. It is confirmed that the number of total employee is 43. However, the attendance lists provided for HSE training do not match the total number of employees. Please provide the missing certificates or attendance list of the number of 3 employees (Nevzat Can, Sercan Yavuz and Demet Çelik). Quantitative employment and job creation: <u>Job creation:</u> The number of total employee is confirmed through SGK records. During site visit the PP explained that the project area has another two wind power plants in the same project site named as Soma I and II which are already part of the Gold Standard VER projects. Soma I, II and III wind farm projects are operated under the same generation license obtained from the EMRA. However, the future target of the parameter is stated as an estimation, "there are approximately 2 positions during operation phase will be available". Please provide the verification report of the mentioned project (Soma I and II) to verify the parameter and the positive effect of the project activity more than stated in the future target of parameter. Expropriation of Private Land: The supporting document is provided regarding the ongoing process of expropriation. In addition, during the site visit the mukhtar of the Yazoren Village and the aza of the mukhtar were interviewed and no negative feedbacks received. However, the process should be verified after finalising the expropriation of private lands. Hence #FAR1 is raised. Hence, CAR 3 is not closed.	
Project participant response	Date: 07/08/2017
Air Quality: MR has been revised. Quality of Employment: Mr. Nevzat is the ISG expert for the facility and has a A degree license (provided to the DOE). The training proof is also provided to the doe for Mr. Sercan. Mrs. Demet is no longer an employee of the company and therefore the MR has been revised accordingly. Quantitative employment: MR for Soma have been provided to the DOE.	
DOE assessment	Date: 16/08/2017

Air Quality:

Electricity delivered to the grid substituting fossil fuel based electricity generation in the baseline resulting in decreased NO_x and SO_x: Calculations of NO_x and SO_x are now in line with the corrected value of electricity generation calculation.

Quality of Employment

Trainings on occupational health and safety. Availability of protection equipment: The training attendance list for Mr. Sercan is provided to the verification team. The explanation added in the MR about Mrs. Demet is found sufficient.

Quantitative employment and job creation:

Job creation: The project creates jobs in the project area. 43 people are employed by the project activity and confirmed through the "Social Security Institution Records". The explanation is found sufficient due to Soma I, II and III are under the same company and all these projects are being taken into account GS VER project activity with the same parameter since the benefit of the job creation is linked

Hence, CAR 3 is closed.

Table 4. FAR from this verification

FAR ID	1	Section No.	E.8.8	Date:	16/08/2017
Description of FAR					
Expropriation of Private Land should be check next verification					
Project participant response					Date:
Documentation provided by project participant					
DOE assessment					Date:

Document information

Version	Date	Description
01.0	10/06/2016	Initial publication.