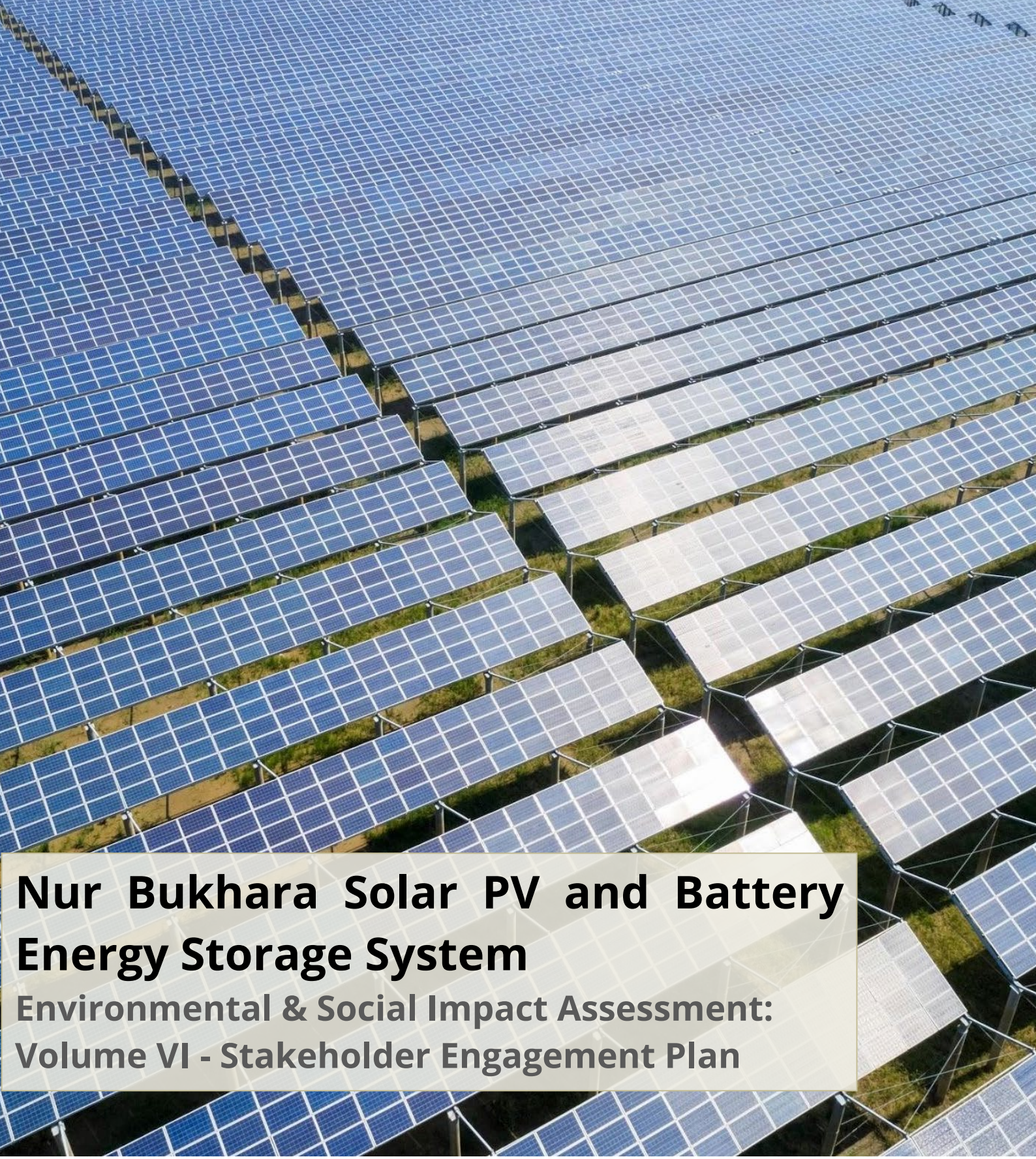

Nur Bukhara Solar PV and Battery Energy Storage System

Environmental & Social Impact Assessment: Volume VI - Stakeholder Engagement Plan

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Disclaimer

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Abbreviations

Acronym	Definition
AOI	Area of influence
ADB	Asian Development Bank
BESS	Battery Energy Storage System
CLO	Community Liaison Officer
EBRD	European Bank for Reconstruction and Development
EIA	Environmental Impact Assessment
ESIA	Environmental and Social Impact Assessment
ESP	Environmental and Social Policy
FGD	Focus Group Discussions
GBVH	Gender Based Violence & Harassment
GM	Grievance Mechanism
IFC	International Finance Corporation
JE	Juru Energy
KII	Key Informant Interviews
LILO	Line-in Line out
LLC	Limited Liability Company
NEGU	National Electric Grid of Uzbekistan
NGO	Non-governmental Organisation

OHTL	Overhead Transmission Line
PAP	Project Affected People
PPA	Power Purchase Agreement
PR	Performance Requirements
PSs	Performance Standards
ROW	Right of Way
SCADA	Supervisory Control and Data Acquisition
SEA	Sexual Exploitation and Abuse
SEP	Stakeholder Engagement Plan

Glossary

Term	Definition
Khokimiyat	Administrative body that is responsible for executing and managing region/district/city on behalf of state. The term “Khokimiyat” is equal to “municipality”.
Mahalla	Self-governing organization that manages administrative and social issues of certain living community.

1 Introduction and Project Summary

1.1 Project background and location

Abu Dhabi Future Energy Company PJSC ("Masdar") has been awarded, by the Ministry of Energy, Government of Uzbekistan, the design, build, finance, construct, commission and operate, maintain and transfer (DBFOMT) of the Nur Bukhara Solar photovoltaic (PV) Project with a capacity of 250 MWA and 63 MW/126 MWh Battery Energy Storage System ("Project"). The Project will be designed to meet national regulations and international standards. The Project will be implemented through a long-term, i.e., 25 years power purchase agreement (a "PPA") between Nur Bukhara Solar PV LLC Foreign Enterprise and JSC National Electric Grid of Uzbekistan ("NEGU").

The Project will support Uzbekistan to:

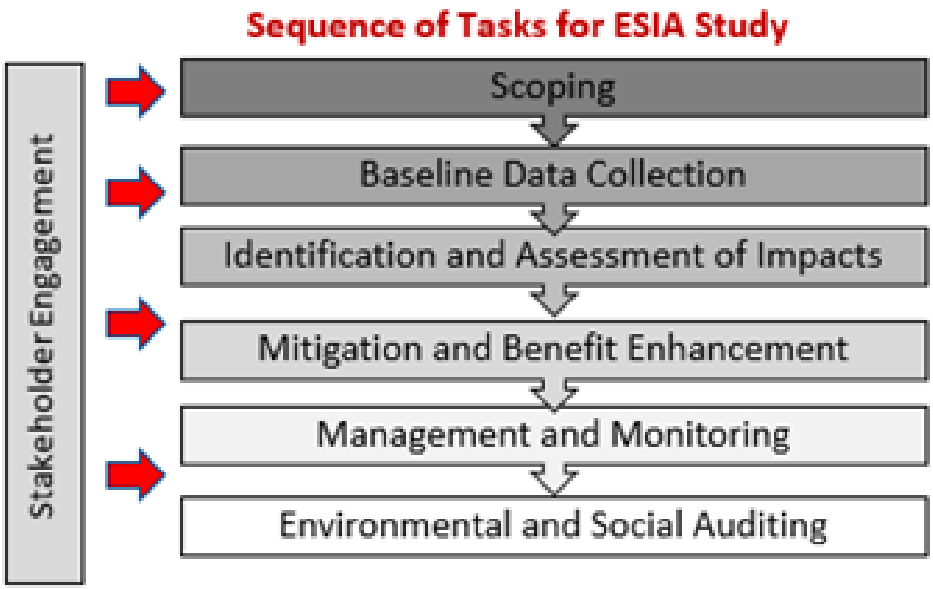
- Reduce energy dependence on carbon-based fuels.
- Meet renewable energy targets.
- Reduce greenhouse gas emission rates.

Masdar has appointed Juru Energy Ltd. (JE or the ESIA Consultant) to perform an Environmental and Social Impact Assessment (ESIA) for the Project. The ESIA will be developed following the requirements of the International Finance Corporation (IFC) Performance Standards (PSs), Asian Development Bank (ADB) Safeguard Policy Statement (SPS) and with reference to the European Bank for Reconstruction and Development (EBRD) Environmental and Social Policy 2019 (ESP 2019) Performance Requirements (PRs) and the Equator Principles.

The Project will be required to undergo a separate national environmental impact assessment (EIA) process, submitted Stage 1 EIA to the Ministry of Natural resources for approval (Application Number 81208) on 22 May 2023. A Stage 2 submission was made on 06 August 2023 to provide some supplementary documentation. A positive Stage 2 resolution was received on the 22 August 2023 and is provided in Volume III: Technical Appendix. . The sequence of steps for the EIA and ESIA study is presented in Figure 1.

This document is the stakeholder engagement plan (SEP), it has been prepared on behalf of Masdar to maintain and guide stakeholder engagement over the lifetime of the Project. This SEP is currently focusing on engagement during the ESIA preparation, and this iteration of the document presents the findings of stakeholder engagement activities undertaken for the scoping phase. The SEP will remain a live document and will be subject to further updates during the construction and operations phases.

Figure 1: ESIA process – sequence of steps (source: Juru Energy)



1.2 Project location

The location of the Project is illustrated in Figure 2. The site covers approximately 649 ha of land in the Alat District of the Bukhara region of the Republic of Uzbekistan. It is located 24 km southeast of Alat city, close to the border with Turkmenistan, which, at the closest point, lies around 25 km southeast of the site. The proposed site is flat and is surrounded by the Amu-Bukhara Irrigation System (ABIS canal) to the North, South and East. The regional road R78 runs alongside the northern boundary of the site.

The closest populated areas to the Project site are the Kirlishon and Kulchovdur communities. There is a small community within the existing Khamza 1 substation compound comprising approximately ten families living in eight households (there are about ten houses, but not all are inhabited). These people originate from, and are considered part of, Kirlishon community (the red shaded area in Figure 3). There is currently a worker accommodation camp located within the Khamza 1 compound used by workers from the Chinese company CNTIC, which is undertaking construction works on the Khamza 1 substation (the orange shaded area in Figure 3). There are also workers from a different Chinese company CNNC Ind. undertaking reconstruction works at the Khamza 2 substation. They are located in a walled area just outside the southern part of the Project footprint (the green shaded area in Figure 3).

Land allocated for Project site has been leased by the Sericulture and Wool Development Industry Committee (SWID) to Buhoro Karakol Cluster LLC, which in turn leased the land to “Alat Qoraqolchilik” LLC for long term use (49 years). Local villagers living next to Khamza 1 substation actively use the surrounding areas, including Project site for livestock grazing. They have camps that were identified in the area surrounding the

Project footprint (the black triangles in Figure 3). It is understood that these camps are used for keeping livestock, mainly during the spring months. One herder has been granted permission by "Alat Qoraqolchilik" LLC to graze livestock through a signed agreement (with a duration of 10 months).

One farmer has a lease agreement to farm 20 ha of land at the bottom of the southern section of the Project footprint (the pink shaded area in Figure 3). He uses approximately 4 ha for agriculture and the remainder he uses for grazing 30-40 cows, between March and June. The Project footprint has been modified so that his access to land will not be impacted.

There are two areas on the Project site that have been subject to small-scale quarrying activities, but they have not been used for some time. The Ministry of Mining Industry and Geology has confirmed that these were not official mining sites. In addition, site observations at ESIA and valuation surveys for LRP have not revealed activities.

Based on interviews undertaken during the scoping site visit conducted in March 2023, some people were identified as fishing in the ABIS canal. In addition, Khamza 1 and 2 substations (including the worker accommodation and the village members) use water from the canals for construction, and irrigation. The small settlement of Kirilishon community (located near Khamza 1 station) also use the ABIS canal for drinking water.

Figure 2 below shows Project location and following that Figure 3 provides the location of receptors at and near Project area.

Figure 2: Project location

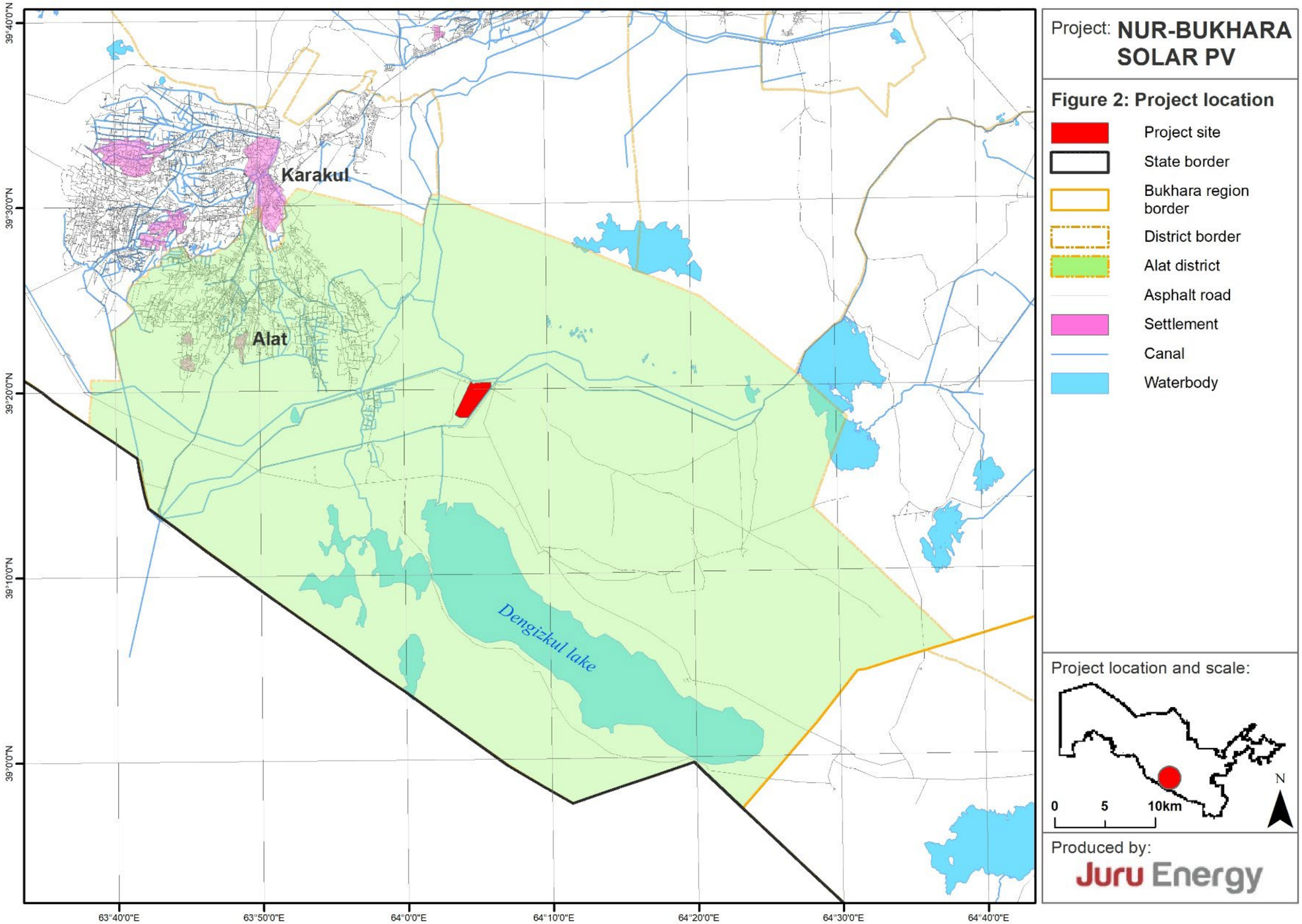
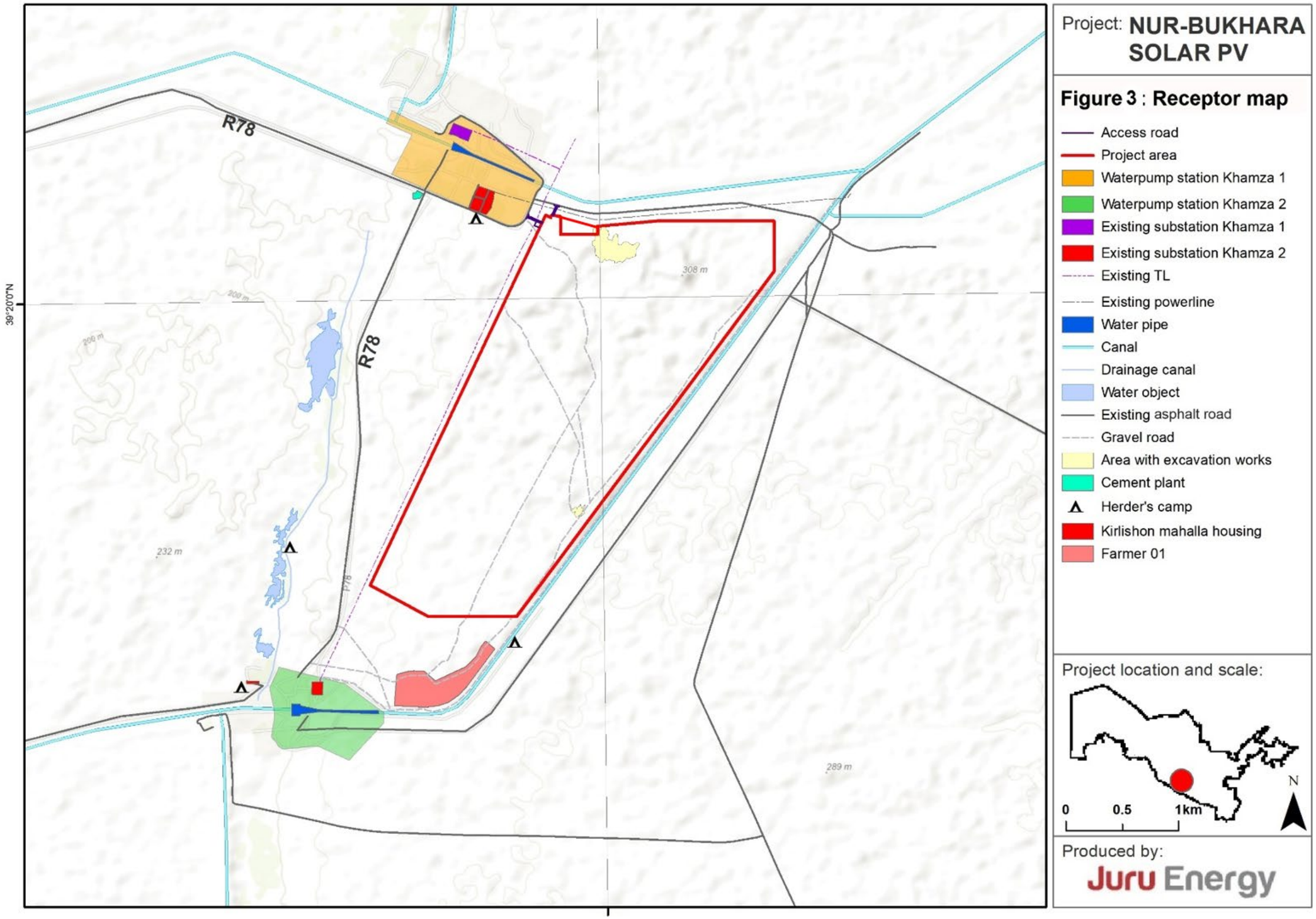


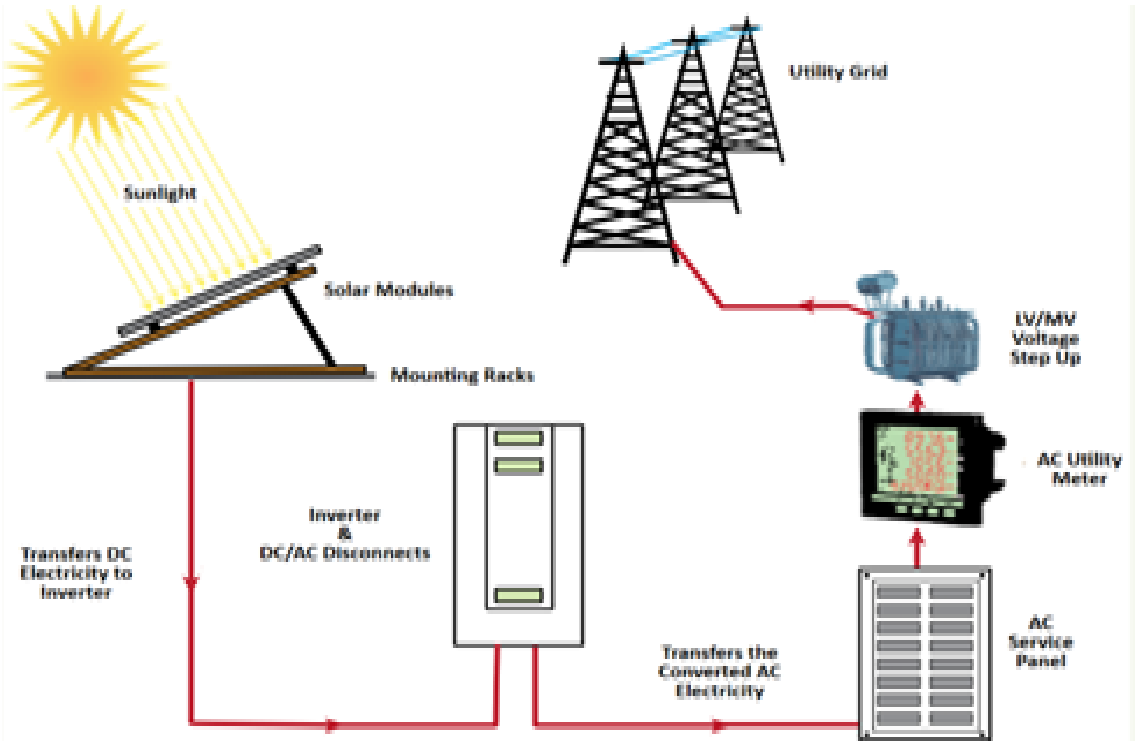
Figure 3: Receptor map (project site and direct area of impact)



1.3 Project components

Photovoltaic (PV) power uses solar panels to convert sunlight into electricity by converting solar radiation into DC electricity. PV inverters convert the direct current that will be transformed into alternating current via transformers to raise the voltage from Low Voltage (LV) to Medium Voltage (MV). Then, the energy generated will be conducted through an underground medium voltage (MV) network of 35 kV to the 35/220 kV substation. An overview of the process is illustrated in Figure 4 below.

Figure 4: Overview of the PV process (compiled from IFC, 2015)



The main components of the Project are:

- 513,582 PV modules (half-cut monocrystalline silicon technology).
- Single-axis tracker, inverters, and transformers.
- Lithium-Ion (Li-ion) battery energy storage system (BESS) consisting of four 40ft containers.
- Underground cabling system.
- 35/220 kV substation (new).
- 30 m 220 kV line-in-line-out (LILO) connection to an existing overhead transmission line (OHTL), “Karaku’l 500 SS” – “Hamza-2 SS” from the Project’s Substation via a 30m 220 kV.
- Dismantling and rebuilding approximately 200 m of existing OHTL to enable the new LILO connection.
- On-site buildings, including an operational control centre, office, welfare facilities, security guard house, storage facilities and stores.

- New access from Highway R78.
- New internal access roads.
- Site drainage system.

Figures illustrating the key project components are provided below.

Figure 5: PV panels

Figure 6: PV tracking system and inverters (Single-axis trackers follow the sun east-to-west on a single point)

Figure 7: Battery container (internal)

Figure 8: Typical container BESS (external)[1]:

1.4 Project activities

The following activities will be undertaken to develop the Project:

- Site mobilization
- Civil works
- Procurement and transportation of equipment
- Equipment installation
- Waste generation and disposal
- Commissioning
- Operation and maintenance (O&M)
- Decommissioning

[1] https://energycentral.com/c/cp/large-battery-energy-storage-systems

Construction of the Project will be confined to the Project site, access road and existing OHTL right of way (ROW), and the duration will be approximately 12 to 16 months. The main construction activities are site clearance (rocks, utilities, vegetation), establishing vehicle access, civil works (OHTL, substation and main site), equipment delivery of PV panels and supporting infrastructure, BESS, installation, and commissioning. Site establishment and civil works are expected to take three months, followed by eight months for installation and a further three months for commissioning. Work on-site is planned to start at the end of 2023. A material storage area will be established within the main site boundary. It is expected that the water source for the construction process will be tankered to the site. Cement will be from a nearby batching plant (not produced on-site).

The Project may have some on-site accommodation, but contractors will also use offsite accommodation provided it meets Lender standards and adheres to the management and measures stipulated in the ESIA.

The expected lifetime of the PV infrastructure is 25 years (at least), and ten years for the BESS. At the end of its lifetime, options will be considered to replace, repair, or remove all infrastructure from the site.

1.5 Land take requirements

There is a possibility of both temporary and permanent land take requirements as a result of the Project. The laydown areas and worker accommodations are expected to be constructed within the Project limits. There will also be servitude rights required for the area underneath the OHTL right of way. The total estimated land take is 649 ha (including PV site, access roads and 30m OHTL connection). The land plot allocated to the Project is owned by the State Committee for Sericulture and Wool Industry Development (SWID) for an indefinite time period. Seven households from Kirilishon community (i.e., the settlement that is located opposite the Project site near to Khamza 1 substation) and one herder (Herder 01) with formal land right granted for ten months by “Alat Qoraqolchilik” LLC” (the company that administers the land), have also been identified. A 70 m setback has been agreed upon with the Alat District Sanitary Epidemiological Wellbeing Department between the ABIS canal and the site boundary.

1.6 Objectives of the stakeholder engagement plan

Stakeholder engagement assumes the process of identifying, mapping and prioritizing stakeholders that might be impacted due to the Project activities or have a certain interest or decision-making status.

The main objectives of the current Stakeholder Engagement Plan (SEP) are as follows:

- Identifying and mapping potential Project stakeholders;

- Preparing a stakeholder matrix that includes all impacted and interested stakeholders as well as key organizations that have decision-making responsibilities for the Project (e.g., the State Committee on Ecology and Environmental Protection);
- Establishing relevant communication approaches for each stakeholder group to deliver Project information and conduct consultations;
- Recording feedback, concerns, and views of stakeholders regarding the Project;
- Developing and maintaining relevant grievance mechanisms (GMs) to accommodate all stakeholders; and
- Establishing proper/suitable means of communication with vulnerable groups and women to ensure they are sufficiently consulted about the Project and to identify any risks relating to Gender-Based Violence & Harassment (GBVH) including Sexual Exploitation and Abuse (SEA).

2 Completed Stakeholder Engagement

2.1 Overview

This section includes a summary of all stakeholder engagement undertaken to the date of writing of the SEP. To date, stakeholder engagement has been completed for the scoping and ESIA phases of the Project. No evidence of previous engagement for private sector or other projects in the area has been identified. This section will be live and continuously updated throughout the Project's lifetime.

2.2 Scoping stakeholder engagement

During the site visit on 02 and 03 March 2023 that was undertaken to inform the preparation of the Scoping report, the following consultations were undertaken:

- Alat District Municipality;
- Khamza 1 substation – CNTIC company;
- Khamza 2 substation – CNNC Ind. Company;
- Shaxram omad LLC farm;
- Main Electricity Grids of Bukhara Department;
- Alat District Power Grids Department;
- Alat District Cadastral Department;
- Alat District Construction Department;
- Alat District Sanitary Epidemiological Wellbeing Department;
- Alat District Natural Resources Department;
- Kirlishon and Kulchovdur community representatives; and
- Amu Bukhara Main Canal Department.

During the meetings, participants were provided with leaflets that provided the key information about the planned Project as well as contact details of the ESIA Consultant.

A sample of the leaflet is provided in Annex A. The summary of meetings with local social receptors is summarised in Table 1 below.

Supporting information is also provided as follows:

- Annex D – Stakeholder Engagement Log
- Annex E – Photographs of engagement activities
- Annex F – Meetings records (e.g., minutes of meetings, attendance registers)
- Annex G – Minutes of meetings

Table 1: Summary of meetings at Scoping stage

Name of receptor	Date and place of meeting	Person met	Summary of discussion	Concerns raised/ comments	Responses provided	How concerns were addressed/ follow up required	Information disclosed
Khamza 1 substation – CNTIC company	2 March 2023	Construction Foreman and interpreter of CNTIC	Provided information on the Project, shared Project leaflet.	n/a	n/a	n/a	Project leaflet
Khamza 2 - CNNC Ind. company	2 March 2023	Workers of CNNC Ind.	Renovation at Khamza 2 has not been completed yet. Construction works started in 2019 and operation is planned for December 2023.	n/a	n/a	n/a	Project leaflet
Farm – Shaxram omad LLC	2 March 2023	Farmer	Shared information about the Project Farmer informed JE that the land is leased for 49 years and the overall leased land is 20 ha. 4 ha of it is developed as a farm. Land lease agreement was concluded between the farmer and Alat District Municipality. (this farmer is no longer impacted)	n/a	n/a	n/a	Project leaflet
Main Electricity Grids of Bukhara	31 March 2023	Electrician on duty at the substation	Provided information on the project. Consultations was conducted regarding	n/a	n/a	n/a	Project leaflet

Name of receptor	Date and place of meeting	Person met	Summary of discussion	Concerns raised/ comments	Responses provided	How concerns were addressed/ follow up required	Information disclosed
Department			existing OHTL within the Project site.				
Alat District Power Grids Department	3 March 2023	Head of Alat District Power grid department	Provided information on the Project. Consultation was conducted regarding existing OHTL within the Project site.	n/a	n/a	n/a	Project leaflet
Alat District Cadastral Department	3 March 2023	Head of Alat District Cadastral Department	Provided information on the Project. Consultation regarding land use issues found that the majority of the Project site is owned by the SWID Committee and one farmer leases 20 ha under a land lease agreement valid for 49 years (who will no longer be impacted).	n/a	n/a	n/a	Project leaflet
Alat District Construction Department	3 March 2023	Head of Alat District Construction Department	Provided information on the Project. Consultation was conducted regarding existing structures as well as planned construction works near the Project site.	According to the consultations, there are no planned structures to be constructed on or near the Project site.	n/a	n/a	Project leaflet
Alat District Sanitary Epidemiologica	3 March 2023	Representative of Alat District Sanitary	Consultation conducted via telephone and information on the Project was	All sanitation facilities related to the Project workers' temporary	n/a	n/a	n/a, information about Project

Name of receptor	Date and place of meeting	Person met	Summary of discussion	Concerns raised/ comments	Responses provided	How concerns were addressed/ follow up required	Information disclosed
l Wellbeing Department		Epidemiological Wellbeing Department	provided. Consultation was conducted regarding sanitation facilities.	facilities should be constructed under supervision of the Sanitary Epidemiological Wellbeing Department.			was provided by phone
Alat District Natural Resources Department	3 March 2023	Representative of Alat District Natural Resources Department	Provided information on the Project. Consultation regarding potentially affected trees was conducted.	There are no trees within the Project site that may be affected due to the Project.	n/a	n/a	Project leaflet
Alat District Amu Bukhara Main Canal Department	3 March 2023	Representative of Alat District Amu Bukhara Main Canal Department	Consultation conducted via telephone and official correspondence and information on the Project was provided. Consultation was conducted regarding buffer zone of the canal and water use during Project construction.	A set back of 70 m was agreed from the canal bed. Furthermore, it was stated that the department has no objections regarding water use during the Project construction.	n/a	n/a	n/a, information about Project was provided by phone
Agency on preservation of cultural heritage of the Republic of Uzbekistan	14 March 2023 Business corresponde nce	Letter sent to representative	Juru has sent request asking information about existing objects of cultural heritage of national and local importance at the Project site and surrounding areas	Agency informed that no cultural heritage is exists at and near Project site, however it was recommended to study area from archaeological	Response provided on 17 March 2023 via response letter No 03-M/347	As per suggestion consultations with Institute of Archaeology has been conducted	Project location and nature of the project

Name of receptor	Date and place of meeting	Person met	Summary of discussion	Concerns raised/ comments	Responses provided	How concerns were addressed/ follow up required	Information disclosed
				importance perspective			
Institute of Archaeology under Academy of Science of the Republic of Uzbekistan	13 March 2023 Business correspondence	Letter sent to representative	Official request has been sent asking for if Project site has any importance from archaeological perspective and if there are archaeological sites	Waiting for response letter. Phone conversation with the institute revealed that Project site has not been surveyed yet. Thus, there is a need to conduct archaeological surveys to ensure presence or absence of undiscovered artifacts	Waiting for response	Need for archaeological surveys has been requested	Project location and nature of the project

2.3 Stakeholder consultations at ESIA stage

During site visits in May 2023, the following activities were undertaken to inform the preparation of the ESIA:

- Notifications (no response required);
- Business correspondence;
- Focus group discussions (FGDs);
- Key informant interviews (KIIs);
- Socioeconomic surveys; and
- Public hearings (discussed in section 2.4).

As with the scoping phase, during the meetings, participants were provided with project information about the planned Project as well as contact details of the ESIA Consultant. The summary of meetings with local social receptors is summarised in Table 2 below.

Table 2: Summary of consultations at ESIA stage (including engagement for LRP development)

Stakeholder (Organization)	Type of Consultation	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns	Provided Response	Information Disclosed
Institute of Archaeology under Academy Sciences of the Republic of Uzbekistan	Business correspondence	n/a	Letter sent – 13 March 2023	Institute has conducted archaeological surveys at the Project site and their conclusion has been received. Results of surveys will be included to the ESIA report	n/a	A request has been included in ESIA	Project information
Cultural Heritage Agency of the Republic of Uzbekistan	Business correspondence	n/a	Letter sent – 14 March 2023 Response received 17 March 2023	Confirmed that there are no objects of tangible and intangible cultural heritage registered under state protection within the project area or within 500 meters radius of it.	n/a	n/a	Project information
Institute of Botany under Academy Sciences of the Republic of Uzbekistan	Business correspondence	n/a	Letter sent – 16 March 2023 Response received 20 April 2023	The Institute provided a detailed list of the previous recent botany surveys undertaken within or near the Project site and shared links to relevant open data. It had no comments on the Project	n/a	n/a	Project information
Ministry of Mining Industry and Geology of the Republic of Uzbekistan	Business correspondence	n/a	Letter sent – 31 March 2023 Response received 11 May 2023	Ministry stated that there are no ongoing mining activities at the Project site or within 500 meters of the project. Also, no activities are planned during Project implementation.	n/a	n/a	Project information
Chamber of State Cadastres of Bukhara Region	Business correspondence	n/a	Letter sent – 31 March 2023	The Chamber stated that cadastral documents of land users and the cadastral volume all belong to the	n/a	n/a	Project information

Stakeholder (Organization)	Type of Consultation	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns	Provided Response	Information Disclosed
			Response received 12 April 2023	State Committee for the Development of Silk and Wool Industry.			
Sanitary and Epidemiological Welfare and Public Health Service of the Republic of Uzbekistan	Business correspondence	n/a	Letter sent – 5 April 2023 Response received 28 July 2023	HPZ for PV power plants are not provided by local laws, but was established as 250 meters on the basis of technical data sheets (passports) provided by the manufacturers of power plant equipment and the results of appropriate calculations of the electrical magnetic field distribution on the environment.	n/a	n/a	Project information
Ministry of Natural Resources	Business correspondence	n/a	Letter sent – 10 April 2023 Response received – 17 April 2023	The Ministry stated that based on the Law "On hunting" (article 30) it is necessary to obtain permission from the Academy of Science in order to conduct fish surveys in canal.	n/a	n/a	Project information
Ministry of Natural Resources	Business correspondence	n/a	Letter sent – 13 April 2023 Response received – 25 April 2023	The Ministry recommended involving specialists from the Academy of Sciences and other relevant agencies to obtain scientifically substantiated information on the availability and condition of flora and fauna objects needed for ESIA of the Project.	n/a	n/a	Project information
Bukhara Regional Department of the Ministry of Natural Resources of the	Business correspondence	n/a	Letter sent – 13 April 2023	Waiting for response letter. Follow up call revealed that they need some time to respond to the letter.	n/a	n/a	Project information

Stakeholder (Organization)	Type of Consultation	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns	Provided Response	Information Disclosed
Republic of Uzbekistan			Response has not been received yet				
The Society for the Protection of Birds of Uzbekistan, The official representative of Bird Life International in Uzbekistan	Business correspondence	n/a	Letter sent – 13 April 2023 Response received – 17 April 2023	As the official representative of Bird Life International, they noted that the biodiversity studies of the site mentioned in Juru's letter were conducted in 2022 by the employees of "Nazar Business and Technology" (NBT) on behalf of the IFC. To obtain the requested information, they recommend contacting the management of this company.	n/a	n/a	Project information
Institute of Botany under Academy Sciences of the Republic of Uzbekistan	Business correspondence	n/a	Letter sent – 13 April 2023 Response received – 20 April 2023	The Institute stated the following: - Results of research conducted by the Institute between 2018-2020 are available on the web with free access; - Results of inventory surveys of endemic flora species are available for free only for state organizations. All other parties can purchase this information; - Institute also has relevant information about current state of the environment at the Project site that can be purchased;	n/a	n/a	Project information

Stakeholder (Organization)	Type of Consultation	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns	Provided Response	Information Disclosed
				- The Institute is happy to provide its services in conducting flora surveys for the Project, if required.			
Institute of Zoology of the Academy of Sciences of the Republic of Uzbekistan	Business correspondence	n/a	Letter sent – 13 April 2023 Response has not been received yet – 17 April 2023	The Institute of Botany has expressed their willingness to collaborate with Juru Energy in conducting biodiversity surveys on a contractual basis	n/a	n/a	Project information
Bukhara state university	Business correspondence	n/a	Letter sent – 1 May 2023 Response received – 26 June 2023	Bukhara state university has expressed their willingness to collaborate with Juru Energy in conducting biodiversity surveys on a contractual basis.	n/a	n/a	Project information
Amu Bukhara Main Canal Department	Business correspondence	n/a	Letters sent – 19 April 2023 and 27 April 2023 Response received – For first request -27 April 2023, for second	The Department provided Information about measurements of water protection zone required for water discharge canals of Amu-Bukhara-1 and Amu-Bukhara-2 pumping stations as well as recommendations for determination of the protection zone dimensions in relation to the Project. They recommended a buffer zone from canal to Project of 150 meters.	n/a	n/a	Project information

Stakeholder (Organization)	Type of Consultation	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns	Provided Response	Information Disclosed
			received on 19 May 2023	Follow up request has been sent asking if reduction of proposed buffer zone can be reduced. Response was received confirming 70 meters setback.			
Committee for the Development of Silk and Wool Industry	Business correspondence	n/a	Letter sent – 19 April 2023 Response received – 15 May 2023	The Committee stated that pasture lands mentioned in the letter were leased to the Buhoro Karakol cluste LLC under the long-term agreement , which in turn sublease it to Alat Qoraqolchilik LLC and that the Project area is currently used by Alat Qoraqolchilik LLC	n/a	n/a	Project information
"Uztransgaz" JSC Zirabulak main gas pipelines department	Business correspondence	n/a	Letter sent – 5 April 2023 Response received – 20 April 2023	The Project area is not within the protection zone of the main gas pipelines and gas pipeline networks owned by the department.	n/a	n/a	Project information
"Hududgaztaminot" JSC	Business correspondence	n/a	Letter sent – 5 April 2023 Response received – 11 April 2023	"Hududgaztaminot" JSC stated that there are no underground or above ground gas pipelines belonging to""Hudugaz Bukhar"" Gas Supply Branch in the Project area.	n/a	n/a	Project information
Uzbektelekom JSC	Business correspondence	n/a	Letter sent – 5 April 2023	Uztelecom responded that there are no optic fibre/communication cables belonging to them at the Project site.	n/a	n/a	Project information

Stakeholder (Organization)	Type of Consultation	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns	Provided Response	Information Disclosed
			Response received – 20 April 2023	Also, the JSC stated that there is an optic fibre cable that belongs to "China Nuclear Industry 22nd Construction CO., LTD"			
Bukhara regional department of ecology and environmental protection	Business correspondence	n/a	Letter sent – 8 April 2023 Response has not been received yet	Waiting for response letter. Follow up call revealed that they need some time to respond to the letter	n/a	n/a	Project information
Bukhara Regional municipality	Public hearing notification	n/a	Letter sent – 12 April 2023	Juru sent a letter to disclose the public hearing and meetings with community members of the Kirlishan and Kulchovdor LC with the participation of local activists to be held at the Alat District Municipality with the participation of stakeholder organizations.	n/a	n/a	Project leaflet
Alat district municipality	Public hearing notification	n/a	Letter sent – 14 April 2023	Juru sent a letter to disclose the public hearing events and meetings to be held as part of the Project.	n/a	n/a	Project leaflet
"Shafraj obod plus" farm	Business correspondence	4	Notification letter sent – 24 April 2023	Juru sent a letter to conduct an inventory and socio-economic survey.	n/a	n/a	Project leaflet
State Committee on Sericulture and Wool Development Industry	Business correspondence	4	Notification letter sent – 29 April 2023	Juru sent a letter to conduct Inventory and socio-economic survey at a land plot allocated for the Project that is under ownership of Alat District Department of SWID	n/a	n/a	Project leaflet

Stakeholder (Organization)	Type of Consultation	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns	Provided Response	Information Disclosed
Focus group discussions at Kirlishon community	Face to face meeting	14	Conducted on 7 May 2023	The aim was to understand the scope of impact on villagers due to the land acquisition for the Project. Conversation revealed followings: - Villagers graze livestock at Project site by making agreement with SWID committee; - Livestock grazing is the only source of income for approximately 23 households; - Villagers suffer from unemployment and they need land for livestock grazing	Villages asked to move the Project to another location. Villagers asked to consider locals in first instance for work at the construction stage. Villagers asked the Project to consider proposing alternative land for grazing near to their village.	Juru informed participants that request on employment opportunities will be raised with the Project Developer, and consultations on obtaining alternative land will be carried out with SWID committee	Project leaflet
Lenders' due diligence site visit	Separate face to face meetings with municipality, local community members and PAPs	- 14 - 11 - 8	Conducted on 12 June 2023	Meetings were held to discuss the Project with stakeholders and affected people and get their feedback.	Participants concerns were regarding employment opportunities, in particular to guarantee employment for directly affected people, also repair of roads in case of damage by Project's heavy machinery	General information on employment was provided and regarding roads it was explained that in case of damage by Project, the repair of roads will be considered	n/a

Stakeholder (Organization)	Type of Consultation	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns	Provided Response	Information Disclosed
Ministry of Natural Resources	Business correspondence	n/a	Letter sent – 19 May 2023 Response received – 17 April 2023	Request for collection of seeds was sent In the response letter it was stated that the request was redirected to the Cabinet of Ministers for approval	n/a	n/a	Project information
Institute of Zoology of the Academy of Sciences of the Republic of Uzbekistan	Business correspondence	n/a	Letter sent – 7 June 2023 Follow up letter was sent – 26 June 2023 Response received – 11 July 2023	A request was sent for a fish survey The Institute of Zoology of the Academy of Sciences of the Republic of Uzbekistan has expressed their willingness to collaborate with Juru Energy in conducting surveys on a contractual basis	n/a	n/a	Project information
Ministry of Natural Resources	Business correspondence	n/a	Letter sent – 17 July 2023 Response received – 3 August 2023	Request for development and coordination with the Department of protected natural areas under the MNU Measures to conserve biodiversity (vegetation, birds, reptiles, mammals and fish) included in the international Red List and the Red Book of Uzbekistan; The response letter stated that the project site is not included in the protected natural areas.	n/a	n/a	Project information

2.4 Public Hearings

Public hearings are a requirement for both the national EIA and the international ESIA preparation. Summary information on public meetings have been provided in Table 3.

Table 3: Summary of public meetings

Name of receptor	Date and place of meeting	Summary of discussion	Concerns raised	Responses provided	How concerns were addressed in the ESIA	Information disclosed
Alat municipality	April 18, 2023 Alat khokimiyat office	Project Developer and representatives of Juru Energy consulting introduced the project, the Projec''s key features, risks and impacts and an update on work done so far and schedule, environmental and social assessments, The Grievance Redress Mechanism (GRM) was also disclosed.	No Concerns raised	n/a	No concerns or etc	Project presentation and project leaflet A map indicating the location of the Project and the access road.
Kulonchi community	18 April 2023 Local school in Kulonchi community	As above.	Community members asked the Project to consider people from village while hiring staff for the construction stage	Project company representative informed that they will consider this request once construction is about to start	ESIA report will mention the requests from the local community	Project presentation and project leaflet A map indicating the location of the Project and the access road.

Name of receptor	Date and place of meeting	Summary of discussion	Concerns raised	Responses provided	How concerns were addressed in the ESIA	Information disclosed
Kulchovdir community	18 April 2023 Local school in Kulchovdor community	As above	Community members asked the Project to consider people from the village while hiring staff for the construction stage. In addition, the issue associated with use of Project site for grazing purposed has been raised.	Project Company representative informed that they will consider this request once construction is about to start. Juru stated that consultations with organization in charge of pastural land will be conducted to assist villagers with alternative land.	ESIA report will mention the requests from the local community. Alternative land will be addressed in the Livelihood Restoration Plan (LRP)	Project presentation and project leaflet A map indicating the location of the Project and the access road.
Alat district khokimiyat	30 May 2023 Alat district office	Juru with participation of Masdar's representative conducted meeting with main district organizations/ departments to discuss the results of the draft ESIA.	Representatives of "Uzsuvtaminot" and "ABIS canal proposed supply of potable water and water from canal for construction purposes on contract base. these representatives stated that based on agreement they can provide the Project site with water pipelines in order to	Masdar informed that their suggestion will be discussed with company management	To be updated in the final ESIA report	NTS, project ppt, leaflets

Name of receptor	Date and place of meeting	Summary of discussion	Concerns raised	Responses provided	How concerns were addressed in the ESIA	Information disclosed
			supply the Project with water.			
Kulchovdir community	30 May 2023 Kulchovdur community, local school	Juru with participation of Masdar's representative conducted meeting with members of the Kulchovdir community to discuss the results of the draft ESIA.	Community members asked followings: - prioritize employment for construction stage from their community; - support constant communication with community during construction stage to ensure that employed villagers can complain in case of job loss; - support community in improving its infrastructure (internal access roads, public structures)	Masdar's representatives stated that company aims to look for labour force for required positions (both skilled and unskilled) from nearest communities (i.e., from Kulchvdir and Kirilishon). Moreover, it was stated that the Project will deploy CLO, to communicate with locals during construction and operation phases. Thus, villagers will be able to keep in touch with Project during all stages. Regarding community support, the suggestion for improvement of community infrastructure was noted and will be reviewed.	As above	NTS, project ppt, leaflets

Name of receptor	Date and place of meeting	Summary of discussion	Concerns raised	Responses provided	How concerns were addressed in the ESIA	Information disclosed
"Alat Qoraqolchilik" LLC and herder	31 May 2023 Near the project site	Juru with participation of Masdar's representative conducted meeting to discuss the results of the draft ESIA. Moreover, the issue on proposing alternative land for herder, who is grazing livestock under an agreement (Herder 01), as well as for eight households from Kirilishon community	No concerns were raised. The LLC confirmed to the herder that he will be provided alternative land, and that his agreement will be extended after the date of expiration.	n/a	As above	NTS, project ppt, leaflets
Kirilishon community	31 May 2023 In settlement	Juru with participation of Masdar's representative conducted meeting Kirilishon community to discuss the results of the draft ESIA. In addition, it was clarified that only eight households of Kirilishon community (located close to Project site) use the Project area for grazing. For the main herders of Kirilishon community no	Herders had no further concerns or questions after clarification of Project location and area where they graze livestock. Other suggestions made by villagers regarding the Project were: - prioritize employment for construction stage from their community;	Masdar's representatives stated that the company aims to look for labour force for required positions (both skilled and unskilled) from nearest communities (i.e., from Kulchvdir and Kirilishon). Moreover, it was stated that the Project will deploy a CLO, to communicate with locals during construction and operation phases. Thus, villagers will be able to	As above	NTS, project ppt, leaflets

Name of receptor	Date and place of meeting	Summary of discussion	Concerns raised	Responses provided	How concerns were addressed in the ESIA	Information disclosed
		limitations of grazing area are expected.	- support constant communication with community during construction stage to ensure that employed villagers can complain in case of job loss; - support community in improving its infrastructure (internal access roads, public structures); - villagers asked EPC to arrange a meeting with them in order to get clarifications on what kind of jobs are needed and get main contact points	keep in touch with the Project during all stages. A Regarding community support, the suggestion for improvement of community infrastructure was noted and will be reviewed. The request to meet with the EPC will be reviewed		
Kirilishon community (eight households	31 May 2023 Kirilishon community, local school	Juru with participation of Masdar's representative conducted meeting with the households to discuss the results of the draft ESIA.	No concerns were raised regarding grazing activities and villagers asked only about	Masdar's representative confirmed that they intend to hire local villagers based on the required job positions	As above	Project ppt, leaflets

Name of receptor	Date and place of meeting	Summary of discussion	Concerns raised	Responses provided	How concerns were addressed in the ESIA	Information disclosed
located near Khamza 1)		In addition, it was clarified that based on the meeting with LLC earlier, it was confirmed that villagers will be provided with alternative land for grazing without the need to request permission.	prioritizing employment opportunities for them			
Household near Khamza 2 station	31 May 2023 In the household	Juru with participation of Masdar's representative conducted meeting the household to discuss the results of the draft ESIA.	n/a	n/a	As above	Project ppt, leaflets

3 Stakeholder Engagement Requirements

3.1 Overview

The Project, including this SEP, will comply with Uzbekistan's legal requirements and procedures and the Lender" E&S requirements, summarised in the following sections. In addition, the most effective modes of engagement for each stakeholder must be considered.

3.2 National requirements

Uzbek legislation does not require projects to undertake a stakeholder engagement and communication process. It does not oblige project developers to conduct consultations to assess possible project impacts on local communities and businesses, and there is no requirement to disclose the environmental assessment results.

The Resolution of Cabinet of Ministries №541 "On Further Development of Mechanisms for Conducting National Environmental Impact Assessment in the Republic of Uzbekistan" does, however, require projects to conduct a public hearing with relevant organizations as well as local communities to receive their support regarding the Project implementation. The public hearing should be recorded and documented with the evidence of participants' signatures. This requirement is mandatory only for projects under Category I and II. This Project is considered Category II, and therefore this requirement will apply.

Law № 781 "On Procedures for the Withdrawal of Land Plots for Public Needs with Compensation" requires meaningful consultations with Project affected people (PAP) who can be physically or economically displaced due to the realization of the Project.

Furthermore, the Law of the Republic of Uzbekistan № 378 "On Appeals of Individuals and Legal Entities" dated 3.12.2014 (as amended on 17.08.2017), provides a legal basis for communication between individuals and legal entities with state organizations as well as their officials. According to this Law, individuals and legal entities can send their grievances and appeals in any form (verbal, written, or electronic). Submitted appeals should be reviewed within 15 days from the date of receipt. If additional investigation is required, a response should be sent within one month.

3.3 Lender requirements

Project Lenders are expected to be International Financial Institutions with their own E&S policies. For this SEP, it has been assumed that Lenders will follow the relevant requirements of the IFC Performance Standards (PSs), Asian Development Bank Safeguard Policy Statement (SPS) and the Equator Principles (EPs). The stakeholder engagement requirements related to these four standards are discussed below.

3.3.1 International Finance Corporation (IFC)

All of the IFC PSs include requirements for an amount of stakeholder consultation/engagement (either in the ESIA or as part of the ESMS), and therefore the Project will require a level of engagement. In particular, IFC PSs 1 on "Social and Environmental Assessment and Management Systems" describes the stakeholder engagement requirements in more depth. It states the following:

"Stakeholder engagement is the basis for building strong, constructive, and responsive relationships that are essential for the successful management of a project's environmental and social impacts. Stakeholder engagement is an ongoing process that may involve, in varying degrees, the following elements:

- *Stakeholder analysis and planning;*
- *Disclosure and dissemination of information;*
- *Consultation and participation;*
- *Grievance mechanism; and*
- *Ongoing reporting to Affected Communities.*

The nature, frequency, and level of effort of stakeholder engagement may vary considerably and will be commensurate with the project's risks and adverse impacts, and the project's phase of development."

The IFC PSs indicate that when affected communities are subject to identified risks and adverse impacts from a project, the developer/client will undertake a process of consultation in a manner that provides the affected communities with opportunities to express their views on project risks, impacts and mitigation measures, and allows the client to consider and respond to them. Effective consultation is a two-way process that will:

- Begin early in the process of identification of environmental and social risks and impacts and continue on an ongoing basis as risks and impacts arise.
- Be based on the prior disclosure and dissemination of relevant, transparent, objective, meaningful and easily accessible information which is in a culturally appropriate local language(s) and format and is understandable to affected communities.
- Focus inclusive engagement on those directly affected as opposed to those not directly affected.
- Be free of external manipulation, interference, coercion, or intimidation.
- Enable meaningful participation, where applicable.
- Be documented.

3.3.2 Asian Development Bank

ADB's SPS (2009) requires that Projects undertake meaningful consultation processes. The consultation process should:

- Begin early in the project preparation stage and be carried out on an ongoing basis throughout the project lifecycle;
- Provide the timely disclosure of relevant and adequate information that is understandable and readily accessible to affected people;
- Be undertaken in an atmosphere free of intimidation or coercion;
- Be gender inclusive and responsive, and tailored to the needs of disadvantaged and vulnerable groups; and
- Enable the incorporation of all relevant views of affected people and other stakeholders into decision making, such as project design, mitigation measures, the sharing of development benefits and opportunities, and implementation issues

ADB requires borrowers/clients to engage with communities, groups, or people affected by proposed projects, and with civil society through information disclosure, consultation, and informed participation in a manner commensurate with the risks to and impacts on affected communities.

Projects must establish a grievance redress mechanism to receive and facilitate resolution of affected peoples' concerns, complaints, and grievances about the project's environmental, and involuntary resettlement performance. The grievance mechanism should be scaled to the risks and adverse impacts of the project. It should address affected people's concerns and complaints promptly, using an understandable and transparent process that is gender responsive, culturally appropriate, and readily accessible to all segments of the affected people at no costs and without retribution. The mechanism should not impede access to the country's judicial or administrative remedies. The affected people will be appropriately informed about the mechanism.

3.3.3 Equator Principles

The Equator Principles IV establish key requirements for stakeholder engagement through Principles 5 and 6, they are described below:

<u>Principle 5: Stakeholder Engagement</u>

- For all Category A and Category B Projects (under the Equator Principles project categorization rankings), the Equator Principles financial institutions (EPFI) will require their client to demonstrate effective stakeholder engagement as an ongoing process in a structured and culturally appropriate manner, with affected communities, workers and, where relevant, other stakeholders.

- For Projects with potentially significant adverse impacts on affected communities, the client will conduct an informed consultation and participation process. The client will tailor its consultation process to the risks and impacts of the project; the project's phase of development; the language preferences of the affected communities; their decision-making processes; and the needs of disadvantaged and vulnerable groups. This process should be free from external manipulation, interference, coercion, and intimidation.
- There are also other requirements for facilitating engagement with indigenous peoples.

Principle 6: Grievance Mechanism

- For all Category A and, as appropriate, Category B projects, the EPFI will require the client, as part of the Environmental and Social Management System (ESMS), to establish effective grievance mechanisms which are designed for use by affected communities and workers, as appropriate, to receive and facilitate resolution of concerns and grievances about the project's environmental and social performance.
- Grievance mechanisms are required to be scaled to the risks and impacts of the Project, and will seek to resolve concerns promptly, using an understandable and transparent consultative process that is culturally appropriate, readily accessible, at no cost, and without retribution to the party that originated the issue or concern. Grievance mechanisms should not impede access to judicial or administrative remedies.

4 Identification of Stakeholders and Communication Methods

4.1 Overview

Stakeholders can be considered to be people, groups or organizations affected by a Project, either directly or indirectly, and those that may have interests in the Project. Stakeholders interested in the Project may be able to influence its outcome, either positively or negatively.

This SEP includes a Stakeholder Engagement Matrix consisting of individuals, communities, organizations, and Government agencies that are considered stakeholders of the Project. The Stakeholder Engagement Matrix is based on the outcomes of consultations during the Scoping Phase site visit and will be changed or modified, i.e., new stakeholders' groups can be added and removed throughout the Project lifecycle as stakeholders and their interest in the Project change.

By applying a systematic approach, the current stakeholder matrix has been classified into three main categories based on the type of interest:

- (A) - Affected/impacted stakeholders (these can be directly or indirectly affected by the Project).
- (I) - Interest-based stakeholders (those with a specific interest in the Project, i.e., the Project's beneficiaries, NGOs, and civil society).
- (D) - Decision-making stakeholders (groups/individuals/organizations that make a decision regarding the Project, i.e., Project lenders, local regulators etc.).

4.2 Stakeholder identification

A list of identified stakeholders that should be consulted at the ESIA stage has been prepared based on initial site observation conducted on 02 and 03 March 2023 and the results and outcomes of stakeholder consultations during the ESIA stage. It is summarised in Table 4. This matrix will be subject to further modifications and amendments throughout the lifecycle of the Project.

Table 4: Stakeholder engagement matrix (last updated 30 July 2023)

Stakeholder Group	Stakeholder Bodies	Relevance to project: impact-based (A), Interest-based (I), or decision-maker (D)	Interest in the Project	Method of communication
Directly affected land owners and land management	Sericulture and Wool Industry Development (SWID)	A: Direct impacts due to the land acquisition for the Project D: Decision makers in the provision of alternative land for herders.	Interest in changes to their land ownership and how it will impact their functioning.	Face-to-face meetings, phone calls, and business correspondence.,
	Buhoro Karakol Cluster LLC			
	Alat Qoraqolchilik LLC			
Directly affected land users	Herders (that use the Project site (inc. access road area) for livestock grazing)	A: Direct impacts due to the land acquisition for the Project	Interest in possible impacts on them or their communities and possible employment opportunities.	Face-to-face meetings, phone calls, letters, focus group discussions, access to public hearings/meetings, visual aids and leaflet distribution, social media, and media releases.
	Agricultural land users using the Project site (inc. access road)			
	Informal land users within the Project site (inc. access road) (if any)			
Land users under OHTL (Overhead Transmission Line)	Herders (that use the area under the OHTL for livestock grazing)	A: Direct impacts due to the land acquisition for the Project	Interest in possible impacts on them or their communities and possible employment opportunities.	Face-to-face meetings, phone calls, letters, focus group discussions, access to public hearings/meetings, visual aids and leaflet distribution, social media, and media releases.
	Informal land users within the area under the OHTL (if any)			
Indirectly	Farmer located outside the Project	I: Might be indirectly affected due	Interest in	Business correspondence, phone calls, face-to-

Stakeholder Group	Stakeholder Bodies	Relevance to project: impact-based (A), Interest-based (I), or decision-maker (D)	Interest in the Project	Method of communication
affected land users	site (Shaxram omad LLC)	to the construction works or may benefit from Project construction employment	possible impacts on them or their communities and possible employment opportunities.	face meetings, focus group discussions, access to public hearings/meetings, visual aids and leaflet distribution, social media, media releases
	Management and staff of the Khamza 1 substation			
	Management and staff of the Khamza 2 substation			
	Management and staff of the Khamza 3 substation			
	Users of the ABIS Canal (for activities such as drinking water, irrigation, fishing and recreation)			
	Kulchovdur community members			
	Kirlishon community members			
	Owners and staff of the concrete batching plant			
	Residents and staff of the temporary labour accommodations			
Vulnerable households	Vulnerable households, such as households with disabled members, and women.	A: Direct impacts due to the land acquisition for the Project, may have cultural or physical restrictions to attending	Interest in possible impacts on them or their communities and	Face-to-face meetings (with female team members, where needed), phone calls, letters, focus group discussions, access to public hearings/meetings, visual aids and leaflet

Stakeholder Group	Stakeholder Bodies	Relevance to project: impact-based (A), Interest-based (I), or decision-maker (D)	Interest in the Project	Method of communication
		meetings.	possible employment opportunities.	distribution, social media, and media release. A market walk-thought will be undertaken should women not be suitably represented in public consultations and focus groups.
Local governmental authorities	Bukhara Region Khokimiyat	D: Responsible for issuing relevant permission required for conducting E&S surveys and public disclosure meetings, issuing relevant orders at regional and district level required for project implementation	Interest in the possible benefits to their authorities related to the economic development brought by the Project and employment opportunities.	Business correspondence, phone/video calls, visual aids and leaflet distribution
	Alat District Khokimiyat			
	Bukhara Regional Department of Ministry of Natural Resources	D: Statutory consultees. Control of national environmental policy and protection standards.		Business correspondence, phone/video calls, visual aids and leaflet distribution.
	The Amu-Bukhara Basin—Irrigation Systems Department	I: Statutory Consultees		Business correspondence, phone/video calls, visual aids and leaflet distribution.
	Bukhara water supply department			
	Hududgaz Bukhara (gas supply branch)			
	Bukhara power grid enterprise - JSC			

Stakeholder Group	Stakeholder Bodies	Relevance to project: impact-based (A), Interest-based (I), or decision-maker (D)	Interest in the Project	Method of communication
	Bukhara Main Electric Networks			
	Bukhara Region Cadastral Department			
	Alat District Cadastral Department			
State organizations	"National Electricity Grids of Uzbekistan" JSC	D: Responsible for the operation and maintenance of OHTL, connection of power plants to grid system, electricity off taker	Interested in the amount of energy the Project will supply to the grid	Business correspondence, phone/video calls
Government Bodies	Ministry of Energy of the Republic of Uzbekistan	D: Responsible for the development of the project	Interested in the amount of energy the Project will supply to the grid	Business correspondence, phone/video calls
	Ministry of Natural Resources	D: Statutory consultees. Control with National environmental policy and protection standards Responsible for approval of national EIA.	Interested in the benefits the Project will provide to the country and their portfolios, but also concerned to reduce any possible risks and	Formal correspondence, submission documentation, and reports. Business correspondence, phone/video calls
	Ministry of Transportation	I: Statutory Consultees		Business correspondence, phone/video calls

Stakeholder Group	Stakeholder Bodies	Relevance to project: impact-based (A), Interest-based (I), or decision-maker (D)	Interest in the Project	Method of communication
	Ministry of Employment and Labour Relations of the Republic of Uzbekistan	I: Statutory Consultees	impacts related to their area of specialities.	Business correspondence, phone/video calls
	Ministry of Health	I: Statutory consultees. Protection of employee and public safety; establishment of the sanitary zone		Business correspondence, phone/video calls
	Ministry of Emergency Situations of the Republic of Uzbekistan	I: Statutory consultees (Planning preparedness for emergencies)		Business correspondence, phone/video calls
	Sanitary and Epidemiological Welfare and Public Health Service of The Republic of Uzbekistan	I: Statutory Consultees		Business correspondence, phone/video calls
	State Committee of the Republic of Uzbekistan on Geology and Mineral Resources	I: Statutory consultees		Business correspondence, phone/video calls
	Institute of Archaeology	I: Statutory consultees		Business correspondence, phone/video calls
	State Committee on Sericulture and Wool Development Industry	I: Statutory consultees		Business correspondence, phone/video calls
	Cultural Heritage Agency	I: Statutory consultees, will undertake cultural heritage survey		Business correspondence, phone/video calls

Stakeholder Group	Stakeholder Bodies	Relevance to project: impact-based (A), Interest-based (I), or decision-maker (D)	Interest in the Project	Method of communication
	Uzbekistan Society for the protection of birds	I: These agencies are involved in research and data collection in different regions of Uzbekistan. In addition, they may potentially be interested to obtain more information regarding the project development and impacts on the ecology.		Business correspondence, phone/video calls
	Institute of Botany of the Academy of Sciences of the Republic of Uzbekistan			
	Institute of Zoology of the Academy of Sciences of the Republic of Uzbekistan			
NGO/CSOs	"Oydin Nur" (a women's shelter)	I: Statutory consultees	Interest in possible impacts to women and any benefits the NGO can gain from the Project.	Business correspondence, phone/video calls
Research Institutions	Faculty of Biology, Bukhara State University	I: These faculties are involved in research and data collection in different regions of Uzbekistan and will be interested in the environmental impacts of the Project especially the ecological impacts.	Interest in possible learning/ knowledge transfer that they can receive from the Project. Also possible employment for their students during	Business correspondence, phone/video calls, access to public hearings/meetings, social media
	Faculty of Biology, National University			

Stakeholder Group	Stakeholder Bodies	Relevance to project: impact-based (A), Interest-based (I), or decision-maker (D)	Interest in the Project	Method of communication
			operations.	
Media	Relevant regional and local mass media (Bukhara regional TV channels and mass media department of Bukhara regional and Alat district khokimiyats	I: Will potentially be involved in disseminating information about the Project.	Interested in disclosing information on the Project to the public.	Business correspondence, phone/video calls, access to public hearings/meetings, social media, media releases
Financial institutions	Expected to be entities that follow ADB, EBRD, IFC and/or the Equator Principles	D: Providing finance for the Project	Interested in the minimizing any financial, schedule or reputational risks from the Project.	Business correspondence, phone/video calls

4.3 Socio-economic overview[2]

There are two communities located close to the Project site: Kirlishon and Kulchovdur (the area of impact (AOI) communities), which are located approximately 10 and 11 km north-west of the Project site respectively. In addition there is a small community within the existing Khamza 1 substation compound comprising approximately eight families living in six households. These people originate from and are considered part of the Kirlishon community. The Figure 9 below shows location of AoI communities.

The population of the Kirlishon and Kulchovdur (the AOI) communities were reported to be 669 and 2,636 people respectively in 2022. The gender distribution of the AoI communities, was fairly even with slightly more men (50.1%) than women (49.9%).

The majority (97.9%) of the people in the AOI communities are Uzbek while 2.1% are from other nations of Central Asia (Kazakhs, Tajiks, Turkmens, and Kyrgyz).

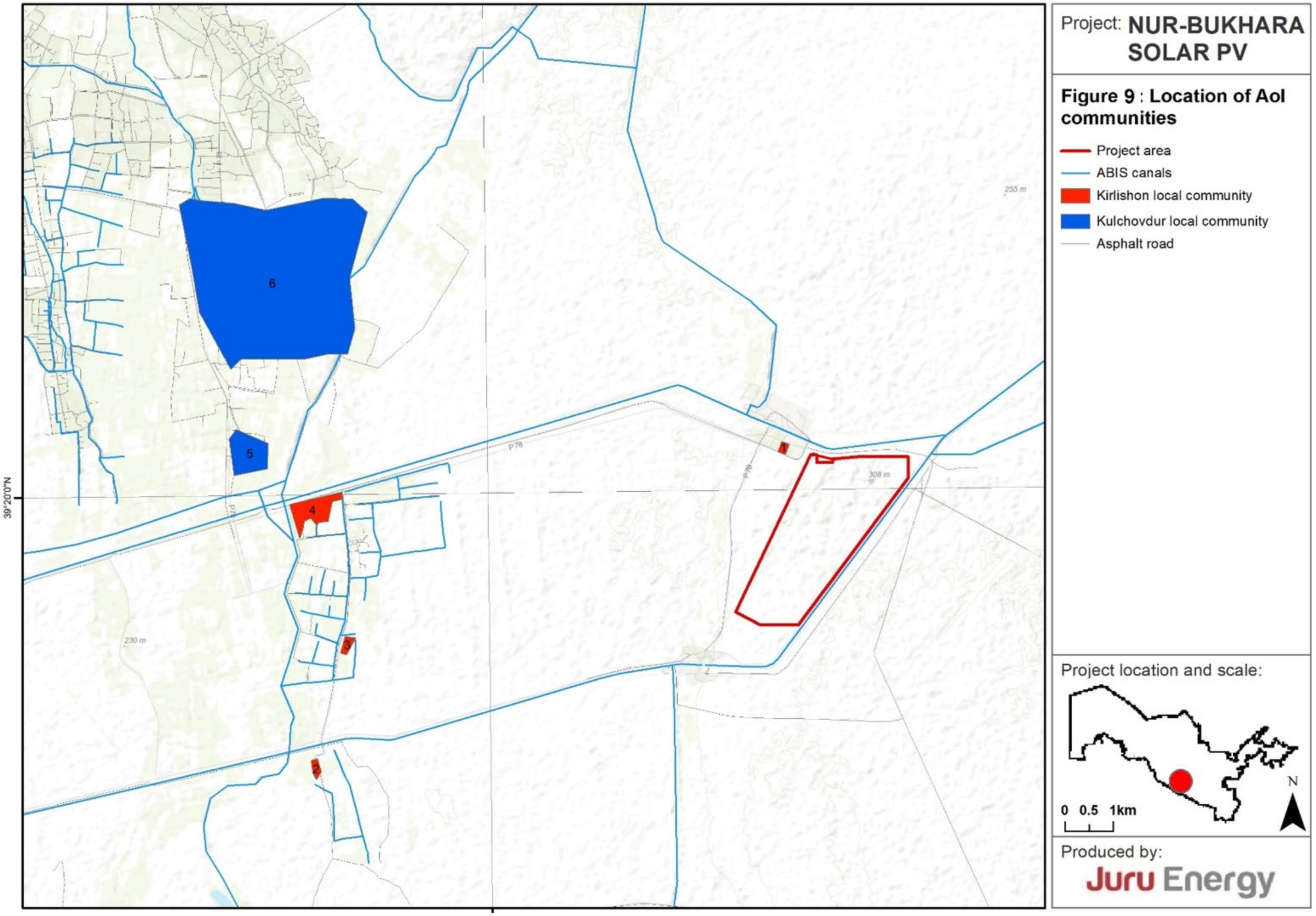
The majority of the population (20.8%) are pensioners, and 12.3% of respondents stated they are employed in the government sector. Entrepreneurs and business owners make up 8% of the AOI. In the AOI registered unemployed people make up 0.1% of the population while those that are not registered unemployed make up another 7.8%. A total of 11% of the AOI respondents reported that they work as seasonal worker (working in temporary and seasonal jobs) while about 9.5% of AOI respondents work on their household farm.

Almost all (99.3%) of the households have agricultural land plots (within their communities, not on or near the Project site), 0.7% of households do not have agricultural land.

Approximately 10 vulnerable people were identified during consultations with the Kirlishon community leader. A total of potentially 70 vulnerable people were identified during consultations with the Kulchovdur community leader. Vulnerable groups were defined as youth, unemployed and disabled community members.

[2] Information for this section was sourced from the socioeconomic surveys undertaken for the preparation of the Livelihood Restoration Plan ESIA Volume V.

Figure 9: Location of AOI Communities



4.4 Consultation activities

The following methods will be used to inform stakeholders about the stakeholder engagement process during the ESIA process:

- Face-to-face meetings (also known as key informant interviews -KIIs) - this method will be applied to directly affected and decision-making groups of stakeholders. Also, to be implemented with vulnerable groups where relevant.
- Meetings with community leaders – these will be formal and informal meetings held with community leaders to maintain good relations with the community and address any concerns the community might have.
- Visual aids and leaflet distribution – such method will be suitable to inform large groups of stakeholders, such as local communities, about the Project, and grievance mechanism process.
- Social Media – can be used for communication with stakeholder groups who are not able to meet due to long distances.
- Public meetings – these may be in the form of large group meetings and will disclose Project information at key implementation phases throughout the Project lifecycle.
- Focus groups discussions (FGDs) – they will be used to gain information for the ESIA phase as well as conduct consultations with vulnerable groups.
- Written correspondence – used to invite stakeholders to public meetings. This may be in the form of letters, or business correspondence. Also used to disclose information at key Project phases to a wider distribution of both impacted and interested stakeholders.
- Phone calls – used to contact key national and local government stakeholders and also an alternative for vulnerable groups that have difficulty accessing information in other formats. It can also be used in lockdown situations when the health or security of stakeholders or staff may be at risk.
- Media releases – may be used at key Project phases to disclose information to wider stakeholder groups.

The method for communication selected in Table 4 is based on the interest of the stakeholder group and the influence it has as explained below:

- **In-depth engagement:** regular, one-on-one meetings, task groups, committees, and updates (via letter, telephone calls or emails).
- **Focused engagement:** periodic focus groups, letters, telephone calls and emails, where practicable.

- **Informed engagement:** occasional public meetings, project information through letters, flyers, internet, and advertisements in local media.
- **Opportunity to comment:** opportunities to lodge comments with the CTT Community Liaison Officer (CLO), CTT Social GBV Officer directly or via Feedback Forms (during construction) or to provide comment via other means (to be determined at the appropriate time) during operation. In each case, feedback forms will be available as well as opportunities to provide verbal feedback.
- **Information disclosure:** specific information disclosure events, flyers, advertisements in conventional media, e.g., radio and newspapers. The use of social media is not foreseen.

4.5 Principles of engagement

All stakeholder engagement will be carried out in a culturally appropriate manner and languages understood by stakeholders (including Uzbek and Russian as relevant).

Planning for engagement activities will consider cultural and economic elements to ensure the greatest number of stakeholders can attend (for example, when women can attend or when herders are at their houses and not out grazing their animals).

All meetings will be arranged in advance and communicated via local and district leaders and other means. All meetings will include visual material and handouts in the local language. Meetings will be held at venues easily accessible to stakeholders, and transportation will be provided when necessary. All outputs will be documented (photos/video, completion of attendance registers and minutes of meetings) for circulation.

4.6 Encouraging the participation of women

Considering the local culture and traditions, stakeholder engagement will focus on implementing measures to ensure the active participation of women, mainly from local communities and farm workers, by arranging separate consultations and meetings.

Female moderators will lead these meetings, FGDs and consultations to create a comfortable atmosphere for women to be informed about the Project and actively participate, providing their views and concerns and sharing feedback.

4.7 Vulnerable groups

In addition to women (discussed above), vulnerable groups include low-income families, the unemployed, youth, older adults, children, and people with disabilities. It can also include people with poor literacy or the illiterate. These people will all have difficulty receiving information about the Project, providing their opinions, or raising their concerns about the Project.

To ensure the involvement of vulnerable groups, especially those who cannot attend the meetings due to physical disabilities, targeted stakeholder engagement will be held. Where possible, these consultations will be conducted in their homes or a location accessible to them.

5 Planned Stakeholder Engagement

5.1 Overview

This section summarises stakeholder engagement planned for the ESIA phase, pre-construction and construction phase of the Project. This SEP focuses on planned stakeholder engagement at the ESIA stage. This section will be continuously updated as engagement is undertaken and new requirements for engagement are defined for subsequent phases, including pre-construction, construction, commissioning, operation, and decommissioning. The next update of this SEP will be undertaken once the final Environmental and Social Impact Assessment report is completed.

5.2 Stakeholder engagement planning

This section outlines the stakeholder engagement and public disclosure activities for the next ESIA phase. A summary of planned stakeholder consultations for the remainder of the Project is shown in Table 5 below.

Table 5: Planned stakeholder engagement (last updated 2 June 2023)

No	Type of engagement	Stakeholder Group	Planned date	Notes
Consultation during the ESIA phase				
1	Business correspondence and meetings via telephone	Local governmental authorities, government bodies and NGO	From March – on-going	Some correspondence has already been completed
2	Grievance mechanism	All stakeholder groups	On-going from March 2023	The grievance mechanism is in operation and will continue to be accessible.
3	LRP disclosure	Directly affected land users	August 2023	Consultation to disclose the LRP summary including the alternative land location. Each PAP wil lreecive compensation outline setting out where the alternative land is and livelihood restoration support and LRP brochure (including contact details for grievances)
4	ESIA disclosure	All stakeholder groups, focusing on community leaders, the NGO and local community members	August 2023	Disclosure of final ESIA package (after it is finalised and updated following Lender comments), NTS, SEP, LRP

No	Type of engagement	Stakeholder Group	Planned date	Notes
				(executive summary) and the grievance mechanism.
4	Lender Disclosure	All stakeholder groups	July -August 2023	Information disclosure on Final ESIA, LRP and EIA via Lender websites (as relevant)
Information disclosure after the ESIA Phase				
5	Information disclosure, social media, and media releases prior to commencement of construction	All stakeholders	Prior to commencement of construction (expected to be Q3 2023)	
6	Public meetings prior to commencement of construction /finalisaion of the ESIA	All stakeholders with specific attention to community leaders, the NGO and local community members	Prior to commencement of construction (expected to be Q3 2023)	Disclosure of the NTS (including Grievance Mechanism) plus sporting leaflets in publicly accessible locations (e.g., for 2 weeks before the meetings and 2 weeks after the meetings). Meetings in both communities. The materials will be translated in Uzbek language. NTS to be disclosed online (https://masdar.ae/en/Masdar-Clean-Energy/Projects
7	Face to face meetings/telephone calls before work commences in the identified grazing areas	Directly affected land users	Regularly until work commences, and at least two weeks before work commences in their grazing area (expected to be Q3 2023)	These meetings will include (but not be restricted to): • Notification of payment of compensation • Notification and implementation of the livelihood restoration training • Disclosure of the dates the land ownership will be transferred, and the date

No	Type of engagement	Stakeholder Group	Planned date	Notes
				construction of the perimeter fence will start
8	Information disclosure, social media, and media releases	All stakeholders	At key milestones during construction	
9	Public meetings	Community leaders, NGO and local community members	At key milestones during construction and at least monthly	
9	Information disclosure, media releases and social media prior to commencement of operations	All stakeholders	Prior to commencement of operations (expected Q2 2024)	
11	Public meetings prior to commencement of operations	All stakeholders with specific attention to community leaders and local community members	Prior to commencement of operations (expected Q2 2024)	
12	Information disclosure, media release, social media, and annual reporting	All stakeholders	At key milestones during operations or at least annually	
13	Public meetings	All stakeholders with specific attention to community leaders, the NGO and local community members	At key milestones during operations or at least annually	

6 Responsibilities and Implementation

6.1 Overview

To ensure the effective functioning of the SEP and grievance mechanism, it is important to determine responsible parties and allocate responsibilities between them. This section will be updated should more responsible parties (such as the Main Contractor) join the Project. As of now, there are three main parties:

- The ESIA Consultant team – Juru Energy (JE);
- Project Company – Masdar; and
- The Lenders – Unknown at this stage, but expected to follow the requirements of the ADB, IFC and/or the Equator Principles.

The responsibilities for each key party are discussed in the sections below.

6.2 Key responsible parties

6.2.1 Juru Energy

JE will be responsible for the implementation of stakeholder engagement throughout the Scoping and ESIA preparation of the Project. JE's responsibilities include:

- Undertake high-level stakeholder engagement to inform the Scoping Report (undertaken in March 2023).
- Undertake stakeholder engagement, FGDs, and information disclosure to inform the ESIA preparation and disclosure.
- Undertake a public hearing, following Uzbek requirements for Category II projects.
- Provide relevant stakeholders with information on the grievance mechanism, including contact details.
- Public disclosure meetings on the ESIA (including disclosure of non-technical summary in public locations)
- Assist in registering, monitoring, and responding to grievances received via the grievance mechanism in coordination with Masdar, as necessary.
- Hand over stakeholder engagement and grievance redress requirements to Masdar following the completion of the ESIA phase.

6.2.2 Masdar

Masdar will take over stakeholder engagement requirements following the completion of the ESIA phase. It will be ultimately responsible for stakeholder engagement for the Project lifecycle. Masdar's responsibilities are outlined below:

- Disclose this SEP on Masdar's website.
- Where relevant, participate in stakeholder engagement organized by JE during the ESIA phase and ongoing.

- Support JE in investigating and closing grievances during the ESIA phase and later phases
- Update this SEP for the construction and operations phases.
- Take over and implement stakeholder engagement activities for all phases following the ESIA phase.
- Identify qualified staff to implement stakeholder engagement as per the SEP (for example, Community Liaison Officer (CLO) and a person responsible for grievance redress).
- Take over the receipt, response, and closure of grievances, after the ESIA phase of the Project, following the requirements of the grievance mechanism (included in Section 7 of this SEP).

6.2.3 Project Lenders

Project Lenders will have specific requirements for stakeholder engagement under their loan modalities. They will also have disclosure requirements that a project must comply with before a loan disbursement. Once identified, Lenders will likely disclose this SEP and ESIA on their website and monitor the implementation of the SEP through their own internal mechanisms.

7 Grievance Mechanism

7.1 Overview

A grievance mechanism aims to maintain communication with stakeholders, i.e., be aware of their concerns, and respond to their inquiries per Lenders' requirements. A well-functioning grievance mechanism can identify issues and address them before they escalate.

The grievance mechanism has been and will continue to be disclosed during all public consultations and focus group discussions. A statement on the grievance mechanism has been included in the Project Non-technical Summary (NTS) and grievance contact details will be included on all documents/ brochures an leaflets for disclosure to stakeholders.

The Grievance Manager will manage grievances. For the ESIA phase, JE will act as the Grievance Manager and be responsible for receiving grievances, with assistance from The Project Company. Following the ESIA phase, the Grievance Manager's responsibilities will be entirely the responsibility of the Project Company.

The outcomes of the ESIA did not identify significant GBVH risks that would justify a parallel grievance mechanism to process possible project-related GBVH grievances from the community. However, one may be developed in consultation with the NGO "Oydin Nur", should GBVH-related grievances be identified during later stages of the Project.

7.2 Grievance reporting and resolution

A grievance is a claim raised by an individual or group whose livelihood, health and safety, cultural norms and heritage are considered to have been adversely affected (harmed) by a project activity which, if not addressed effectively, may pose a risk to operations and the livelihood, well-being, or quality of life of the claimant(s).

Grievances can be raised during meetings, Project site visits, via phone calls and in written form (text messages via email, mobile applications, written requests etc.). Grievance boxes with grievance forms will also be installed in the following locaitions:

- Khokimyat Offices in Alat District
- Kulchovdir community office and Kulonchi community office

Upon receiving a grievance by any means of communication, the Grievance Manager will enter the grievance into the grievance log to ensure that all raised concerns/inquiries are investigated and addressed.

After receipt and registration of a grievance, a complainant will receive written notification that includes a proposed timeline for investigation depending on the request and the preliminary time of receipt of a response.

JE has developed a grievance form and log to keep a tracked record of each grievance received. The grievance form is provided in Annex C, and the grievance log is in Annex D.

Allocated members of the ESIA consultant team will be responsible for receiving and monitoring grievances during the ESIA phase of the Project. The grievance form is prepared based on the location, language preferences, and communication opportunities of identified stakeholders. Responses will be provided in a language suitable for the complainant, i.e., Uzbek or Russian.

Submitting a grievance through the grievance mechanism will not preclude a complainant in any way from also seeking recourse through the national legal system, and the complainant can take this course of action should they not be satisfied with the response they receive to their grievance if they wish.

7.3 Contact details

Contact details of representatives that will be responsible for receipt of grievances during the ESIA stage and the pre-construction stage are provided in Table 6 below:

Table 6: Contact details

Company	Contact Details
Juru Energy	Email: v.filatova@juruenergy.com

Viktoriya Filatova – Senior Environmental Consultant	Telephone: +998 712020440
Juru Energy Zilola Kazakova – Principal Social Consultant	Email: z.kazakova@juruenergy.com Telephone: +998 712020440
Project Company Khurshid Karamatov	Email: kkaramatov@masdar.ae Telephone: +998 93 522 00 70

7.4 Grievance responsibilities

7.4.1 Juru Energy

During the Scoping and ESIA phase of the Project, stakeholder engagement is being undertaken by JE. Therefore, JE is the main focal point for stakeholders from local communities, including PAPs, to raise grievances. Any grievances raised will be recorded in the grievance form and in the grievance log. The Project Company (Masdar) will assist in the resolution of grievances, and JE and/or Masdar will respond to the grievance.

7.4.2 Project Company

The Project Company will identify a suitable staff member to undertake stakeholder engagement activities as required in this SEP once the ESIA phase has been completed. These staff members will start once identified and assist JE in engagement activities. They will take over engagement activities following the ESIA phase. It is expected that the Project Company will identify a Community Liaison Officer (CLO). This person will be the main point of contact between the Project and the local communities. Where possible the CLO will be responsible for both the construction and operation phases, to maintain consistency and good relations with the local communities. It is expected that the CLO responsibilities will be maintained by the Project Company.

The Project Company will be responsible for providing relevant information and training to Project Company personnel and the EPC Contractor (and other contractors as relevant) about the grievance mechanism, who should be informed (such as security guards, who may need to log grievances from community members) and that all grievances (even if they are resolved on the spot) need to be reported to the Project Company for logging.[3] Ongoing training on the GM will be given to all workers during the site induction.

[3] A separate worker grievance mechanism will also be put in place for workers to raise grievances, which will be managed by the EPC Contractor.

7.4.3 EPC Contractor

A CLO will also be hired through the EPC Contractor. They will work closely with the CLO of the Project Company to ensure all messaging is aligned. The EPC Contractor will be responsible for monitoring its subcontractors, reporting to Masdar any grievances it receives, and providing training to its employees on the grievance mechanism. The EPC Contractor will make sure that reporting and training responsibilities are being cascaded down to contractors and subcontractors.

7.5 Confidentiality and anonymity

The grievance mechanism will keep strict data confidentiality, including all complainants' personal information. Although grievances may be reported during the ESIA period, names and identifying features of complainants will be withheld in any public disclosures. At the grievance receipt/registration stage, the complainant will be informed that they can submit a grievance anonymously. Complainants will be informed that some grievances may not be able to be responded to if they are made anonymously.

7.6 Grievance resolution options and response

The approaches taken to resolve grievances will depend on the nature, frequency of occurrence and the number of grievances. The resolution of grievances will be formally communicated to the complainant in written form. If a complainant cannot receive a written response, the complainant will be contacted via phone and informed of the results of their grievance. Table 7 provides the timeframes for response to grievances.

Table 7: Grievance Processing Timeline

Stage	Timeline
Receipt and registration of grievance	Day 0
Providing acknowledgement of grievance receipt to the complainant	Maximum three days after submission of grievance
Assessment/investigation of the received grievance	Maximum two weeks after submission of grievance
Providing the complainant with a response	Maximum three days after assessment has been completed
Reassessment of grievance in case the complainant is not satisfied with the previously provided response	Maximum two weeks after notification of dissatisfaction by the complainant

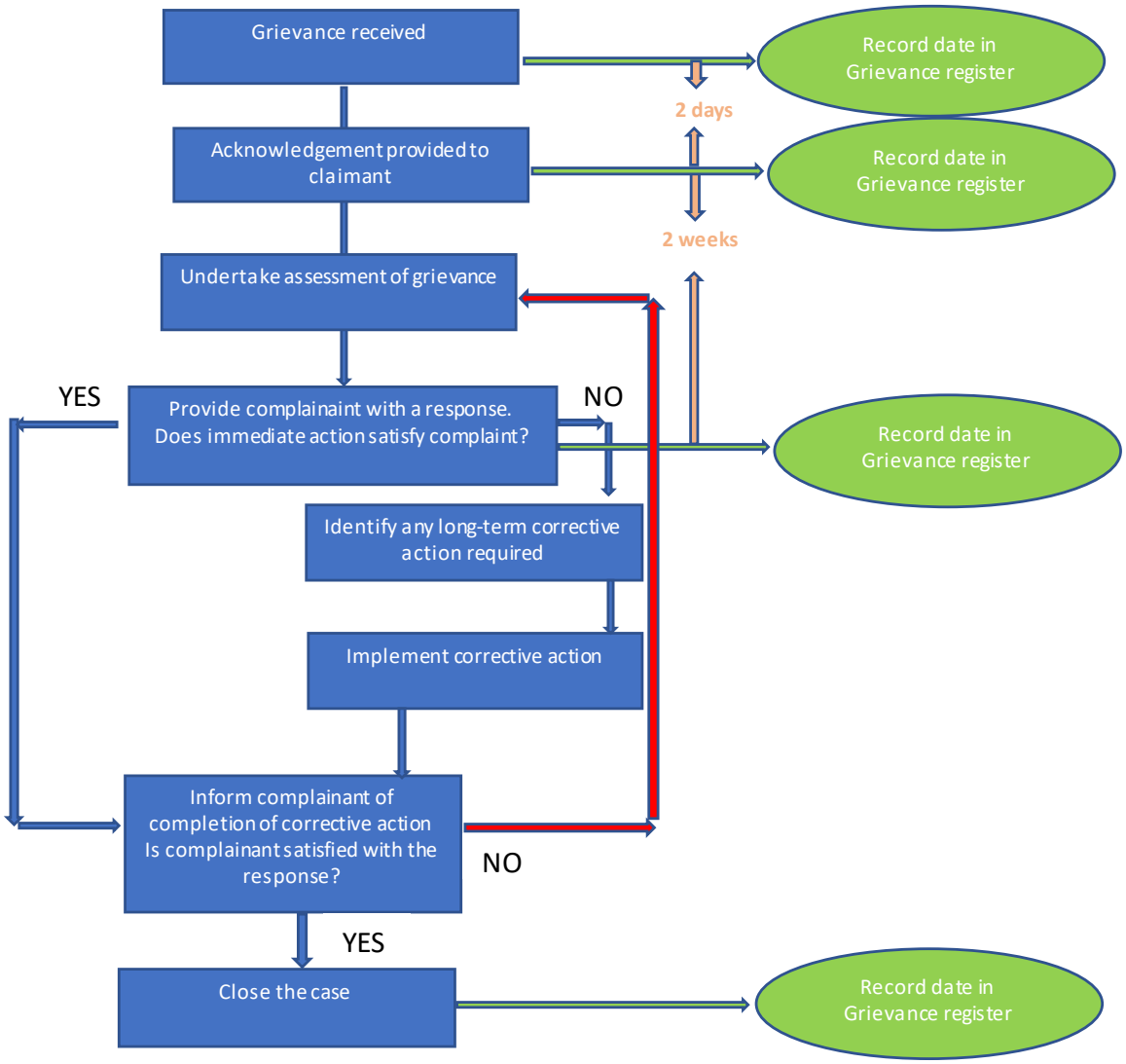
Where complex grievances or other factors are extending the investigation time, the complainant will be informed of this delay, advised of an updated expected timeline for a response, and provided regular updates.

7.7 Grievance logging

Tracking and logging each grievance will be recorded in a grievance log. Each grievance will be given a unique identification number, followed by registering details and the timing of its resolution and close-out. A copy of the Project grievance log has been included as Annex D.

An overview of the grievance management process is provided in Figure 10.

Figure 10: Grievance Mechanism[4]



8 Reporting

8.1 Overview

Various activities require monitoring and reporting as part of this SEP. They are discussed in the following sections.

8.2 SEP reporting

A SEP is a live document that reflects the changing nature of stakeholder engagement throughout the Project life cycle. It is also an important location to log stakeholder engagement activities that have been undertaken.

[4] DRAFTING NOTE: Flow chart to be added.

This draft SEP is intended for the ESIA stage only. It will be subject to further amendments during the ESIA stage to reflect the completion of public hearings and to include any additional stakeholders identified during the ESIA preparation. The final version of this SEP will be disclosed as part of the ESIA suite of documents.

This SEP will be reviewed and updated for the pre-construction phase (and at each subsequent Project phase, or at least annually) to identify new and different stakeholders and any changes to engagement activities and the grievance mechanism. All future versions of this SEP will also be disclosed to stakeholders.

8.3 CLO reporting

The CLO will be responsible throughout the Project life cycle, undertaking and regularly reporting on stakeholder engagement activities. Reporting by the CLO should include the following:

- A summary of disclosure activities undertaken by the CLO, including meeting minutes, attendance sheets, photographic evidence and copies of adverts placed in newspapers and other media.
- Minutes of gender-specific consultations and consultations with members of vulnerable groups.
- The originally written correspondence concerning stakeholder engagement, including records of media and social media disclosures. Comments and feedback will also be retained and appended to the SEP.

The CLO will be hired to work on the Project as early as possible in the mobilization phase; they will be expected to report on their activities at least monthly.

8.4 Grievance reporting

Monthly reporting on the status of grievances be prepared by the Project Company on an ongoing process during the ESIA phase and throughout the Project life cycle. This is to monitor the timely close out of grievances and grievance satisfaction.

8.5 Annual reporting

The Project Company will prepare annual reporting on the SEP status with the help of the CLO. A Project specific annual report will be prepared to summarise Project performance, CLO activities, including anonymized grievances and updates to the SEP. The first report will be prepared during the construction phase. An external version of this report will also be prepared for disclosure to Affected Communities and implementation of the Project commitments on issues that involve ongoing risks to or impacts on Affected Communities and on issues that the consultation process or grievance mechanism have identified as a concern. This report will be disseminated both online (on the Project webpage).

Information about the operations phase of the Project can be included in Masdar's regular ESG and sustainability annual reporting.

Annex A: Scoping and ESIA Stage Project Leaflet[5]

a) English version

Juru Energy

ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT (ESIA)

The Project is currently in the scoping phase of the ESIA process. Next steps include collecting physical, biological and socio-economic baseline data within the Project site and nearby communities. Potential positive and negative impacts for the construction, operation and decommissioning phases will then be assessed for significance and management and mitigation measures identified to reduce risk to acceptable levels. The ESIA process will:

- Identify actions that can be taken to eliminate, or at least reduce any negative impacts as a result of the Project, to acceptable levels, and enhance Project benefits.
- Confirm that costs are not levied on the public or individuals that are greater than the benefits they will receive.
- Sequence of Tasks for ESIA Study

Scoping
↓
Baseline Data Collection
↓
Identification and Assessment of Impacts
↓
Mitigation and Benefit Enhancement
↓
Management and Monitoring
↓
Environmental and Social Auditing

NUR BUKHARA SOLAR PV INTRODUCTION

Abu Dhabi Future Energy Company PJSC ("Masdar") has been awarded by the Ministry of Energy, Government of Uzbekistan to design, build, finance, construct, commission and operate & maintain the Nur Bukhara Solar photovoltaic (PV) project with a capacity of 250 MWac and 63 MW and 2 hours of energy capacity ("**Project**"). The Project will be implemented through a long term i.e., 25 years power purchase agreement (a "**PPA**") with JSC National Electric Grid of Uzbekistan ("NEGU"). The Project will be designed to meet national regulations and international standards.

The Project will support Uzbekistan to:

- Reduce energy dependence on carbon-based fuels.
- Meet renewable energy targets.
- Reduce greenhouse gas emission rates.

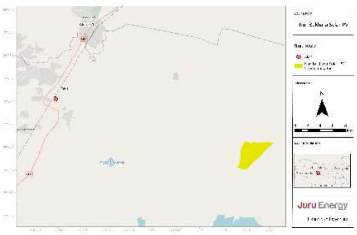
This leaflet has been produced to provide information about the basic

characteristics of the Project and its surroundings, and how the environmental and social impacts will be assessed and managed.

Juru Energy

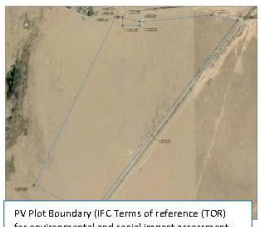
PROJECT DESCRIPTION AND LOCATION

The proposed site covers approximately 691 Ha area of land located in Alat District of Bukhara region, of the Republic of Uzbekistan. It is located 24 km southeast of Alat city, close to the border on Turkmenistan which at the closest point lies around 25 km southeast of the site. The proposed site is flat and is surrounded by the Amu-Bukhara canal to the North, South and East. The site has existing road access.



Construction of the Project will consist of the following basic infrastructure components:

- Foundations for the mounting structures for PV panels, and installation of the panels, cabling and hydraulic fittings;
- An inverter and transformer station and substation;
- Construction of internal access roads and maintenance paths, as well as storm water drainage system;
- Construction of temporary construction camp/offices and construction lay-down area;
- The Battery System including the batteries themselves and a control and monitoring system (BMS);
- Operation and maintenance rooms, offices and parking areas;
- Security fence, lightning and accommodation for workers (including water and sanitation).
- The Project will be connected to the national grid system via a short (300m) connection to an existing overhead transmission line (OHTL) that crosses near the Project site.



PV Plot Boundary (IFC Terms of reference (TOR) for environmental and social impact assessment (ESIA) – Bukhara Solar PV Project

The preliminary layout is presented in Figure 2. Stakeholder engagement shall be undertaken during the preparation of the scoping report and ESIA in accordance with national regulations and good practice. Stakeholder engagement activities will include Project Affected Persons ("PAP") and communities concerned by the Project e.g., local and traditional leaders, representatives of the communities, land users, potential vulnerable groups such as youth and women.

CONTACT DETAILS

All complaints, comments or queries relating to the ESIA for the Nur Bukhara Solar PV Project should be sent to:

JURU ENERGY CONSULTING LLC, UZBEKISTAN
Name: Viktoriya Filatova, Zilola Kazakova
Address: 10A, Chust Str., Tashkent, Uzbekistan, 100077
Email: esia_alat_spp@juruenergy.com
Phone: +998 90 515 03 92

[5] DRAFTING NOTE: ESIA brochure to be added for final version

b) Uzbek version

Juru Energy

ATROF-MUHIT VA IJTIMOIY TA'SIRNI BAHOLASH

Loyiha hozirda Atrof-muhit va ijtimoiy ta'sirni baholash jarayonining boshlang'ich bosqichida. Keyingi jarayonlar loyiha hududida va unga yaqin joylashgan mahallalarda jismoniy, biologik va ijtimoiy-iqtisodiy boshlang'ich ma'lumotlarni to'plashni o'z ichiga oladi. Qurilish, ekspluatatsiya va foydalanishni to'xtatish bosqichlari uchun potentsial ijobiy va salbiy ta'sirlar ahamiyatliligi keyinchalik xavfni maqbul darajalarga kamaytirish uchun aniqlangan boshqarish va kamaytirish choralari uchun baholanadi. Atrof-muhit va ijtimoiy ta'sirni baholash jarayoni quyidagilarni amalga oshiradi:

- Loyiha natijasida yuzaga keladigan salbiy ta'sirlarni maqbul darajaga yetkazish yoki hech bo'lmaganda kamaytirish uchun amalga oshirilishi mumkin bo'lgan harakatlarni aniqlash va loyihaning foydasini oshirish.
- Harajatlar jamiyat yoki jismoniy shaxslarning daromadidan yuqori bo'lmasligini tasdiqlash.

Atrof-muhit va ijtimoiy ta'sirlarni o'rganish uchun topshiriqlar ketma-ketligi

Umumiy o'rganish
↓
Birlamchi ma'lumotlarni to'plash
↓
Ta'sirlarni aniqlash va baholash
↓
Ta'sirlarni kamaytirish va foydali tomonlarni kuchaytirish
↓
Boshqarish va monitoring qilish
↓
Ekologik va ijtimoiy audit

NUR BUXORO QUYOSH FOTOELEKTR STANSIYASI

KIRISH

Abu Dabi Future Energy kompaniyasi DAJ ("Masdar") quvvati 250 MVt o'zgaruvchan tok va 63 MVt va 2 soat energiya sig'imiga ega Nur-Buxoro quyosh fotoelektrik stansiyasini (QFS) loyihalash, qurish, moliyalashtirish, ishga tushirish va foydalanish, va texnik xizmat ko'rsatishni rejalashtirgan. Masdar "O'zbekiston milliy elektr tarmog'i" AJ ("O'MET") bilan elektr energiyasini sotib olish to'g'risidagi shartnomani imzolaydi. Ushbu Loyihani amalga oshirish uchun Masdar turli xalqaro moliya institutlariga kredit olish uchun murojaat yo'llagan. Loyiha milliy qonunchilik va xalqaro standartlarni inobatga olgan holda ishlab chiqiladi.

Loyiha:

• Uglerod asosidagi yoqilg'ilarga bo'lgan ehtiyojni kamaytirish;

• Qayta tiklanadigan energiya sohasida rivojlanish;

• Issiqxona gazlari chiqarishni kamaytirishda hissa qo'shadi.

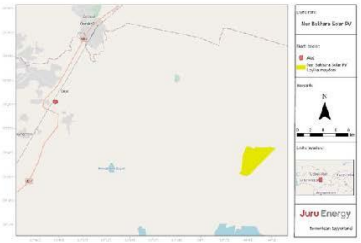
Ushbu ma'lumotnoma Loyihaning asosiy xususiyatlari va uning

atrofida joylashgan tuzulmalar, shuningdek, atrof-muhit va ijtimoiy ta'sirlar qanday baholanishi va boshqarilishi haqida ma'lumot berish uchun tayyorlangan.

Juru Energy

LOYIHA TAVSIFI VA JOYLASHUVI

Taklif etilayotgan loyiha joylashuvi O'zbekiston Respublikasi, Buxoro viloyati Olot tumanida joylashgan bo'lib, taxminan 691 gektar yer maydonini egallaydi. U Olot shahridan 24 km janubi-sharqda, Turkmaniston (eng yaqin nuqtasi loyiha hududidan 25 km janubi-sharqda joylashgan) chegarasiga yaqin maydonda joylashgan. Taklif etilayotgan loyiha maydoni tekislikda, shimoldan, janubdan va sharqdan Amu-Buxoro kanali bilan o'ralgan. Loyiha maydoni mavjud kirish yo'liga ega.



Loyiha qurilishi davomida quyidagi asosiy infratuzilma tarkibiy qismlaridan iborat bo'ladi:

- Fotoelektrik panellarni o'rnatish inshootlari uchun poydevorlar, shuningdek panellar, kabellar va gidravlik armaturalar;
- Invertor transformator stansiyasi va podstansiyasi;
- Ichki kirish yo'llari va ta'mirlash yo'llari, shuningdek, drenaj tizimi;
- Vaqtinchalik qurilish lageri/ofislari va qurilish maydonchasi;
- Batareya tizimi, shu jumladan batareyalarning o'zi va boshqaruv va monitoring tizimi;
- Operatsion va texnik xizmat ko'rsatish xonalari, ofislar va to'xtash joylari;
- Xavfsizlik to'siqlari, ishchilar uchun turar joy va yoritish moslamalari (shu jumladan suv va kanalizatsiya inshootlari).
- Loyiha milliy elektr tarmoq tizimiga qisqa (300 m) ulanish orqali loyiha obyekti yaqinidan kesib o'tuvchi mavjud havo elektr uzatish liniyasiga (HEUL) ulanadi.

2-rasm: Loyiha maydoni chegarasi (Atrof-muhit va ijtimoiy ta'sirni baholash (AITB) uchun Xalqaro Moliya Korporatsiyasi texnik topshiriqlari) – Buxoro QFS loyihasi

Dastlabki sxema 2-rasmda keltirilgan. Manfaatdor tomonlarning ishtiroki milliy me'yoriy hujjatlar va ilg'or amaliyotga muvofiq ko'lamli hisobot va AITBni tayyorlash jarayonida amalga oshiriladi. Manfaatdor tomonlarni jalb qilish bo'yicha tadbirlar Loyihadan ta'sirlangan shaxslar va loyiha bilan bog'liq jamoalarni, masalan, mahalliy va an'anaviy rahbarlar, jamoalar vakillari, yerdan foydalanuvchilar, yoshlar va ayollar kabi potentsial zaif guruhlarni o'z ichiga oladi.

QO'SHIMCHA MA'LUMOT UCHUN

Nur-Buxoro quyosh fotoelektrik stansiyasi atrof muhit va ijtimoiy ta'sirlarini o'rganish bilan bog'liq barcha masalalar yuzasidan **JURU ENERGY CONSULTING MChJ, (Toshkent, O'ZBEKISTON)ga** murojaat qilishingiz mumkin.

Ma'lumot uchun: Viktoriya Filatova, Zilola Kazakova
Manzil: 100077, Toshkent, O'zbekiston, Chust ko'chasi, 10A
Telefon: +998 90 515 03 92

Annex B: GRM form

a) English version

NUR-BUKHARA SOLAR PV GRIEVANCE FORM *To be used for grievance(s) comments, suggestions, or/and inquires or any other matters*	
Reference number	*(to be filled in by JE representative)* REF:
INSTRUCTIONS	Please fill in this Grievance form in clear handwriting and submit through one of the following means: - Directly to Juru Energy (JE) - By email to: z.kazakova@juruenergy.com v.filatova@juruenergy.com Phone Number: +998 90 515 03 92 +998 93 549 62 04
Full Name	First Name:
	Last Name:
	☐ I wish to raise my grievance anonymously *(You can remain anonymous if you prefer but we may not be able to contact you with a response to your concern)*
	☐ I wish to raise my grievance confidentially *(You can remain confidential in all reporting if you prefer)*
Contact Information Please mark how you wish to be contacted (mail, telephone, e- mail)	☐ By Post: *Please provide:*
	☐ By telephone: *Please provide:*
	☐ By email: *Please provide:*
Preferred Language of Communication	☐ Uzbek
	☐ Russian
	☐ Turkmen
	☐ English

Description of Incident/Grievance *What happened?* *Where did it happen?* *Who did it happen to?* *What is the result of the problem?*			
Date of Incident/Grievance	☐ One-time incident/grievance (date…)		
	☐ Happened more than once (how many times?)		
	☐Ongoing (currently experiencing problem)		
What would you like to see happen to resolve the problem?			
Signature:		Date:	

b) Uzbek version

SHIKOYAT MUROJAATNOMASI SHAKLI *Izohlar, takliflar yoki/va yoki boshqa masalalarni ko'tarish uchun foydalanilmaydi*	
YO'RIQNOMA	Iltimos, ushbu shikoyat murojaati shaklini aniq yozuvda to'ldiring va quyidagi aloqa vositalari orqali taqdim eting: - To'g'ridan-to'g'ri Juru Energyga - Elektron manzil orqali: z.kazakova@juruenergy.com v.filatova@juruenergy.com - Telefon orqali: +998 90 515 03 92 +998 93 549 62 04
F.I.Sh	Ismi:
	Familiyasi:
	☐ Murojaatimni anonim tarzda bo'lishini istayman. (Hohishingizga ko'ra anonim tarzda murojaat qilishingiz mumkin, ammo u holda masalangiz yuzasidan sizga javob bilan murojaat qila olmaymiz)
Aloqa ma'lumotlari Murojaatga javob olish shaklini ko'rsating (pochta, telefon, e- mail).	☐ Pochta orqali: *Iltimos, manzilni ko'rsating:*
	☐ Telefon orqali:
	☐ Email orqali:
Afzal ko'riladigan aloqa tili	☐ O'zbek
	☐ Rus
	☐ Turkman
	☐ Ingliz
Murojaat/shikoyat mazmuni	*Nima sodir bo'ldi?* *Qayerda?* *Kim buni boshidan o'tkazdi?* *Natijada nima sodir bo'ldi?*
Murojaat/shikoyat sanasi	☐ Bir martalik murojaat/shokioyat (sana_____)

	☐ Bir necha marta yuborilgan murojaat/shikoyat (necha marotaba _____)
	☐ Davom etayotgan (ayni paytda yechimi topilayotgan murojaat)
Muammoni hal qilish uchun qanday chora-tadbirlar qo'llanishini xohlaysiz?	
Imzo:	
Sana:	

Annex C: Project Grievance Log (template)

ID	Date	Name or Grievant	Contact Details	Preferred Language	Requested Anonymity?	Description of the problem	Responsible Person	Actions to be undertaken	Due date	Results of the Actions	Closing date	Evidence (if applicable)

Annex D: Stakeholder Engagement Log (July 2023)

No	Stakeholder (Organization/Job Title)	Type of Consultation	Location	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns Raised by Stakeholder	Provided Response	Information Disclosed
1	Khamza 1 substation – CNTIC company	Face to face meeting	Near substation	2 (workers of substation)	n/a	Met with Construction Foreman and interpreter of CNTIC and provided information on the Project, shared project leaflet.	n/a	n/a	Project leaflet
2	Khamza 2 -CNNC Ind. company	Face to face meeting	Near substation	3 (1 translator and 2 workers)	n/a	Met with the workers of CNNC Ind. Renovation of Khamza 2 substation has not been completed yet. Construction works started in 2019 and operation is planned for December, 2023	n/a	n/a	Project leaflet
3	Farm - Shaxram omad LLC	Face to face meeting	Near agricultural farm	1 (farm owner)	n/a	Met with the farmer and shared information about the Project and	n/a	n/a	Project leaflet

No	Stakeholder (Organization/Job Title)	Type of Consultation	Location	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns Raised by Stakeholder	Provided Response	Information Disclosed
						shared the Project leaflet. As farmer stated, this land is leased for 49 year and the overall leased land is 20 ha. 4 ha of it is developed as a farm. Land lease agreement was concluded between the farmer and Alat District Municipality.			
4	Main Electricity Grids of Bukhara Department	Face to face meeting	Office of department	1 (chief engineer)	n/a	Met with Electrician on duty at the substation and provided information on the Project and shared the Project leaflet. Consultation was conducted regarding	n/a	n/a	Project leaflet

No	Stakeholder (Organization/Job Title)	Type of Consultation	Location	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns Raised by Stakeholder	Provided Response	Information Disclosed
						existing OHTL within the Project site.			
5	Alat District Power Grids Department	Face to face meeting	Alat khokimiyat office	1 (Head of Department)	n/a	Met with head of Alat district Power grid department and provided information on the Project and shared the Project leaflet. Consultation was conducted regarding existing OHTL within the Project site.	n/a	n/a	Project leaflet
6	Alat District Cadastral Department	Face to face meeting	Alat khokimiyat office	1 (Head of Department)	n/a	Met with head of Alat District Cadastral Department and provided information on the Project and shared the Project leaflet. Consultations regarding land use issues found that the	n/a	n/a	Project leaflet

No	Stakeholder (Organization/Job Title)	Type of Consultation	Location	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns Raised by Stakeholder	Provided Response	Information Disclosed
						majority of the Project site is owned by the SWID Committee. One farmer leases 20 ha of land under a land lease agreement valid for 49 years (modifications to the Project footprint mean that this farmer is no longer impacted)..			
7	Alat District Construction Department	Face to face	Alat khokimiyat office	1 (Deputy Mayor on construction issues)	n/a	Met with Head of Alat District Construction Department and provided information on the Project and shared the Project leaflet. Consultation was conducted regarding existing structures as well as planned construction works	n/a	n/a	Project leaflet

No	Stakeholder (Organization/Job Title)	Type of Consultation	Location	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns Raised by Stakeholder	Provided Response	Information Disclosed
						near the Project site. There are no planned structures to be constructed on or near the Project site.			
8	Alat District Sanitary Epidemiological Wellbeing Department	Phone call	n/a	1 (responsible staff from Agency)	n/a	Consultation conducted via telephone and information on upcoming Project was provided. Consultations was conducted regarding sanitation facilities. It was advised that all sanitation facilities related Project workers' temporary facilities should be constructed under supervision of the Sanitary Epidemiological	n/a	n/a	n/a, provided project information about location and nature

No	Stakeholder (Organization/Job Title)	Type of Consultation	Location	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns Raised by Stakeholder	Provided Response	Information Disclosed
						Wellbeing Department.			
9	Alat District Natural Resources Department	Face to face meeting	Alat khokimiyat office	1 (head of district department)	n/a	Met with representative of Alat District Natural Resources Department and provided information on the Project and shared the Project leaflet. Consultation regarding potentially affected trees was conducted and revealed that there are no trees within the Project site that may be affected.	n/a	n/a	Project leaflet
10	Alat District Amu Bukhara Main Canal Department	Phone call	n/a	1 (Head of Department)	n/a	Consultation conducted via telephone and information on the	n/a	n/a	n/a, provided project information about

No	Stakeholder (Organization/Job Title)	Type of Consultation	Location	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns Raised by Stakeholder	Provided Response	Information Disclosed
						Project was provided. Consultations was conducted regarding buffer zone of the canal and water use during Project construction. Consultations revealed that buffer zone of 150-200 m should be defined from the canal bed. Furthermore, it was stated that the department has no objections regarding water use during the Project construction.			location and nature
11	Kirilishon community	Face to face meeting	Kirilishon village	15 (heads of community and villagers	n/a	Met with community lead and provided information about Project.	n/a	n/a	Project leaflet

No	Stakeholder (Organization/Job Title)	Type of Consultation	Location	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns Raised by Stakeholder	Provided Response	Information Disclosed
						Walkover together with leader has been conducted and Project leaflet has been shared with villagers.			
12	Kulchovdur community	Face to face meeting	Kulchovdur village	10 (heads of community and villagers	n/a	Met with community lead and provided information about Project. Walkover together with leader has been conducted and Project leaflet has been shared with villagers.	n/a	n/a	Project leaflet
13	Agency on preservation of cultural heritage of	Business correspondence	n/a	n/a	n/a	Response letter has been provided confirming absence of cultural heritage	It was suggested to survey Project area from	As per suggestion consultation has been	Project information

No	Stakeholder (Organization/Job Title)	Type of Consultation	Location	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns Raised by Stakeholder	Provided Response	Information Disclosed
	the Republic of Uzbekistan					objects at and near Project site.	archaeological importance perspective	undertaken with Institute of Archaeology	
14	Institute of Archaeology under Academy of Science of the Republic of Uzbekistan	Business correspondence	n/a	n/a	n/a	Institute has conducted archaeological surveys at the Project site and their conclusion has been received. Results of surveys will be included to the ESIA report Waiting for response letter. Follow up call revealed that there is a need to conduct archaeological surveys for Project site	n/a	Negotiations are on-going to discuss details of archaeological survey	Project information
15	Cultural Heritage Agency of the	Business correspondence	n/a	n/a	n/a	Cultural Heritage Agency of the Republic of	n/a	n/a	Project leaflet

No	Stakeholder (Organization/Job Title)	Type of Consultation	Location	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns Raised by Stakeholder	Provided Response	Information Disclosed
	Republic of Uzbekistan					Uzbekistan specifies that the selected area is located in the Alat district of Bukhara region and inform that there are not any objects of tangible and intangible cultural heritage registered under state protection within the project area and 500 meters radius of it.			
16	Institute of Botany under Academy Sciences of the Republic of Uzbekistan	Business correspondence	n/a	n/a	n/a	The Institute provided a detailed list of the previous recent botany surveys undertaken within or near the Project site and shared links to relevant open data	n/a	n/a	Project leaflet

No	Stakeholder (Organization/Job Title)	Type of Consultation	Location	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns Raised by Stakeholder	Provided Response	Information Disclosed
17	Ministry of Mining Industry and Geology of the Republic of Uzbekistan	Business correspondence	n/a	n/a	n/a	Ministry stated that there are no ongoing mining activities at the Project site and within 500 meters of the project	n/a	n/a	Project leaflet
18	Chamber of State Cadastres of Bukhara Region	Business correspondence	n/a	n/a	n/a	Chamber of State Cadastres of Bukhara Region informs that cadastral documents of land users and the cadastral volume belongs to the Committee for the Development of Silk and Wool Industry	n/a	n/a	Project leaflet
19	Ministry of Natural Resources	Business correspondence	n/a	n/a	n/a	The Ministry of Natural Resources of the Republic of Uzbekistan informs that some of the current legislation defines regarding information	n/a	n/a	Project leaflet

No	Stakeholder (Organization/Job Title)	Type of Consultation	Location	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns Raised by Stakeholder	Provided Response	Information Disclosed
						necessary for the Environmental and Social Impact Assessment (ESIA)			
20	Ministry of Natural Resources	Business correspondence	n/a	n/a	n/a	The Ministry of Natural Resources of the Republic of Uzbekistan recommended involving specialists from the Academy of Sciences and other relevant agencies to obtain scientifically substantiated information on the availability and condition of flora and fauna objects needed for environmental and social impact assessment of the project.	n/a	n/a	Project leaflet

No	Stakeholder (Organization/Job Title)	Type of Consultation	Location	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns Raised by Stakeholder	Provided Response	Information Disclosed
21	Bukhara Regional Department of the Ministry of Natural Resources of the Republic of Uzbekistan	Business correspondence	n/a	n/a	n/a	Waiting for response letter. Follow up call revealed that they need some time to respond to the letter	n/a	n/a	Project leaflet
22	The Society for the Protection of Birds of Uzbekistan, The official representative of Bird Life International in Uzbekistan	Business correspondence	n/a	n/a	n/a	The Society for the Protection of Birds of Uzbekistan, The official representative of Bird Life International informs that the biodiversity studies of the site mentioned in Juru's letter were conducted in 2022 by the employees of "Nazar Business and Technology" (NBT) on behalf of the International Finance Corporation (IFC). To obtain the requested	n/a	n/a	Project leaflet

No	Stakeholder (Organization/Job Title)	Type of Consultation	Location	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns Raised by Stakeholder	Provided Response	Information Disclosed
						information, they recommend to contact the management of this company.			
23	Institute of Botany under Academy Sciences of the Republic of Uzbekistan	Business correspondence	n/a	n/a	n/a	Institute of Botany of the Academy of Sciences of the Republic of Uzbekistan reports some of the information related to the requested in the letter	n/a	n/a	Project leaflet
24	Institute of Zoology of the Academy of Sciences of the Republic of Uzbekistan	Business correspondence	n/a	n/a	n/a	The Institute of Botany has expressed their willingness to collaborate with Juru Energy in conducting biodiversity surveys on a contractual basis	n/a	n/a	Project leaflet

No	Stakeholder (Organization/Job Title)	Type of Consultation	Location	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns Raised by Stakeholder	Provided Response	Information Disclosed
25	Bukhara state university	Business correspondence	n/a	n/a	n/a	Waiting for response letter. Follow up call revealed that they need some time to respond to the letter	n/a	n/a	Project leaflet
26	Amu Bukhara Main Canal Department	Business correspondence	n/a	n/a	n/a	Amu Bukhara Main Canal Department informs requested information about measurements of water buffer zone required for water discharge canals of Amu-Bukhara-1 and Amu-Bukhara-2 pumping stations as well as recommendations for determination of buffer zone dimensions in relation to the Project.	n/a	n/a	Project leaflet

No	Stakeholder (Organization/Job Title)	Type of Consultation	Location	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns Raised by Stakeholder	Provided Response	Information Disclosed
27	Sanitary-epidemiological welfare and public health committee of the Republic of Uzbekistan	Business correspondence	n/a	n/a	n/a	HPZ for PV power plants are not provided by local laws, but it should be established on the basis of technical data sheets (passports) provided by the manufacturers of power plant equipment and the results of appropriate calculations of the electrical magnetic field distribution on the environment	n/a	n/a	Project leaflet
28	Committee for the Development of Silk and Wool Industry	Business correspondence	n/a	n/a	n/a	Pasture lands were transferred to LLC "Buhoro Karakol cluster" under the long-term agreement with Karakol cluster	n/a	n/a	Project leaflet

No	Stakeholder (Organization/Job Title)	Type of Consultation	Location	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns Raised by Stakeholder	Provided Response	Information Disclosed
						(28.10.2020, 02-6 number) allocated, in accordance with the Decree of the President of the Republic of Uzbekistan dated 2 September, 2020 No PF-6059.			
29	"Uztransgaz" JSC Zirabulak main gas pipelines department	Business correspondence	n/a	n/a	n/a	The project area of the planned Nur-Bukhara solar photovoltaic plant is not within the protection zone of the main gas pipelines and gas pipeline networks owned by the department.	n/a	n/a	Project leaflet
30	"Hududgaztaminot" JSC	Business correspondence	n/a	n/a	n/a	"Hududgaztaminot" JSC informs that there are no underground and aboveground gas	n/a	n/a	Project leaflet

No	Stakeholder (Organization/Job Title)	Type of Consultation	Location	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns Raised by Stakeholder	Provided Response	Information Disclosed
						pipelines belonging to GTF "Hududgaz Buxoro" in the land area where the construction of the "Nur- Bukhara" solar PV plant is planned in the Bukhara region			
31	"Uzbektelekom" JSC	Business correspondence	n/a	n/a	n/a	At the construction site of the solar photovoltaic plant on the territory of Bukhara region, Alat district, Kyrlishon LC there are no communication cables and communication facilities belonging to Uzbektelecom JSC.	n/a	n/a	Project leaflet
32	Bukhara regional department of ecology and	Business correspondence	n/a	n/a	n/a	Waiting for response letter. Follow up call revealed that they	n/a	n/a	Project leaflet

No	Stakeholder (Organization/Job Title)	Type of Consultation	Location	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns Raised by Stakeholder	Provided Response	Information Disclosed
	environmental protection					need some time to respond to the letter			
33	Bukhara Regional municipality	Public hearing	n/a	n/a	n/a	Juru informs about public hearing and meetings of citizens of the Kirlishan and Kulchovdor LC with the participation of local activists is scheduled for 18 April at the Alat district municipality with the participation of stakeholder organizations.	n/a	n/a	Project leaflet
34	Alat district municipality	Public hearing	n/a	n/a	n/a	Juru informs about public hearing events and meetings to be held as part of the project.	n/a	n/a	Project leaflet
35	Alat district municipality	Public hearing	n/a	n/a	n/a	Juru informs about public hearing events and meetings	n/a	n/a	Project leaflet

No	Stakeholder (Organization/Job Title)	Type of Consultation	Location	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns Raised by Stakeholder	Provided Response	Information Disclosed
						to be held as part of the project.			
36	Shafraj obod plus" farm	Inventory and socio-economic survey of PAPs	Affected land plot of the farmer – Project site	4	n/a	Valuator has conducted inventory survey with farmer, JE has conducted socio-economic survey of farmer's household (this farmer is no longer impacted)	n/a	n/a	Project information
37	State Committee on Sericulture and Wool Development Industry	Inventory survey	Project site	4	n/a	Valuator together with representative of SWID has conducted inventory survey of Project site	n/a	n/a	Project information
38	Kirlishon community	Focus group discussions on land use at Project site	Kirlishon community	14	n/a	Juru conducted focus group discussions with villagers to determine terms and conditions on land	Asked to move Project to another location Asked for employment	Request on employment opportunities will be raised with Project Developer, and	Project information

No	Stakeholder (Organization/Job Title)	Type of Consultation	Location	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns Raised by Stakeholder	Provided Response	Information Disclosed
						use at the Project site by local villagers	opportunities during construction Asked for alternative land near to their village	consultations will be held on alternative land	
39	Alat district khokimiyat and relevant stakeholders	Face to face	Alat district office	9	May 30th, 2023	Khokimiyat representatives and other stakeholder organizations were provided with main outcomes of conducted E&S surveys and determined impacts as well as mitigation measures suggested for them.	No concerns. Representatives of "Uzsuvtaminot" and "Amu Bukhara" canal suggested providing water supply for project on contract base to cover need for potable water and for construction needs	Stakeholders were informed that their suggestion will be delivered to the Project company and discussed	NTS, ppt, leaflet

No	Stakeholder (Organization/Job Title)	Type of Consultation	Location	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns Raised by Stakeholder	Provided Response	Information Disclosed
40	Kulchovdir community	Face to face	Kulchovdur community, local school	9	May 30th, 2023	Villagers were provided with main outcomes of conducted E&S surveys and determined impacts as well as mitigation measures suggested for them.	No concerns. Villagers asked about employment opportunities, assistance with improving local infrastructure	Villagers informed that their community will be prioritized when hiring workers for construction, deploying CLO to communicate with villagers as well as reviewing suggestion on community improvement	NTS, ppt and leaflet
41	"Alat Qoraqolchilik" LLC and herder	Face to face	Near the project site	3	May 31st, 2023	LLC was provided with main outcomes of conducted E&S surveys and determined impacts as well as mitigation	No concerns. LLC confirmed that they will allocate required size of land for the Project, as well	n/a	NTS, ppt and leaflet

No	Stakeholder (Organization/Job Title)	Type of Consultation	Location	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns Raised by Stakeholder	Provided Response	Information Disclosed
						measures suggested for them. In addition, a need for alternative land for the herder (Herder 01) and community herders was discussed	as support herder and local villagers with alternative land		
42	Kirilishon community - 8 households near Khamza 1	Face to face	In settlement	7	May 31st, 2023	Villagers were provided with main outcomes of conducted E&S surveys and determined impacts as well as mitigation measures suggested for them. Furthermore, villagers were informed on confirmation of LLC to provide	No concerns. Villagers asked for prioritizing employment opportunities for them	Villagers were informed that their community will be prioritized when hiring workers for construction.	PPT and leaflet

No	Stakeholder (Organization/Job Title)	Type of Consultation	Location	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns Raised by Stakeholder	Provided Response	Information Disclosed
						alternative land for grazing livestock			
43	Kirilishon community	Face to face meeting	Kirilishon community, local school	14	May 31st, 2023	Villagers were provided with main outcomes of conducted E&S surveys and determined impacts as well as mitigation measures suggested for them. Moreover, it clarified the area for grazing livestock and concluded that they graze outside of Project footprint.	No concerns. Villagers asked about employment opportunities, assistance with improving local infrastructure as well as arranging introductory meeting with the EPC	Villagers were informed that t their community will prioritized when hiring workers for construction, deploying a CLO to communicate with villagers as well as reviewing suggestion on community request for infrastructure and meeting with EPC	NTS, ppt and leaflet
44	Household near Khamza 2 station	Face to face meeting	In the household	3	May 31st, 2023	Household members were provided with main outcomes of	n/a	n/a	PPT, leaflet

No	Stakeholder (Organization/Job Title)	Type of Consultation	Location	No of participants	Meeting/ Response Receipt	Summary of Discussion	Questions/ Concerns Raised by Stakeholder	Provided Response	Information Disclosed
						conducted E&S surveys and determined impacts as well as mitigation measures suggested for them			

Annex E: Photographs of Engagement (Scoping phase)

CNTIC company workers (March 2023)

Farmer to the south of the Project site (March 2023)

CNNC Ind. company workers (March 2023)

Main Electricity Grids Department worker (March 2023)

ABMC workers

(pumping station 16 of Khamza 1 substation) (March 2023)

Kirlishon community members (March 2023)

Kirlishon community members (March 2023)

Chairman of Kirlishon community (March 2023)

Chairman of Kulchovdur community (March 2023)

Kulchovdur community members (March 2023)

Kulchovdur community members (March 2023)

Alat District Power Grids Department (March 2023)

Alat District Natural Resources Department (March 2023)

Alat District Cadastral Department (March 2023)

Alat District Construction Department (March 2023)

Meeting with women at Kiriloshon community

Meeting with SWID representative

Meeting with farmer located to the south of the Project

Focus group discussion with villager at Kulchovdir community

Public disclosure

Meeting in Kirilishon community

Meeting with household near Khamza 2 station

Meeting in Kirilishon community - settlement near Khamza 1 station

Meeting with LLC and herder

Meeting in Kulchovdir community

Meeting in Alat khokimiyat

Annex F: Records of Consultation

Cultural heritage agency

Sent

Juru Energy

«Juru Energy Consulting» MChJ
100077, Toshkent, M.Ulug'bek tumani,
Chust ko'chasi, 10A.
INN 303454532, MFO 00401
Bank: "AT Aloqabank Atlas KXKM"
H/r: 20208000400502375001

№ JEC-OUT-23-81, 14.03.2023

O'zbekiston Respublikasi Madaniy meros agentligiga

Abu Dabi Future Energy kompaniyasi DAJ ("Masdar") quvvati 250 MVt o'zgaruvchan tok va 63 MVt va 2 soat energiya sig'imiga ega Nur-Buxoro quyosh fotoelektrik stansiyasini (QFS) loyihalash, qurish, moliyalashtirish, ishga tushirish va foydalanish, va texnik xizmat ko'rsatishni rejalashtirgan (Loyiha joylashuvi 1-ilovada keltirilgan). Loyiha "O'zbekiston milliy elektr tarmog'i" AJ ("O'MET") bilan 25 yillik elektr energiyasini sotib olish to'g'risidagi shartnomasini imzolash orqali amalga oshiriladi. Qurilish ishlari boshlanishining taxminiy sanasi 2023-yilning 3-choragiga, Loyihani ishga tushirish taxminiy sanasi 2024-yilning 2-choragiga belgilangan.

Milliy va xalqaro standartlar asosida talab qilinadigan atrof muhit va ijtimoiy ta'sirni baholash (AITB) loyihasini tayyorlash doirasida Masdarning atrof muhit va ijtimoiy maslahatchisi Juru Energy (Toshkent, O'zbekiston) Loyiha doirasida ekologik va ijtimoiy izlanishlar, ma'lumotlarni to'plash va tegishli mahalliy hokimiyat organlari bilan maslahatlashuvlar olib bormoqda.

Yuqoridagilarni inobatga olib, Juru Energy Madaniy meros agentligiga Loyiha haqida ma'lumot berish va Loyihaning Atrof-muhit va ijtimoiy ta'sirni baholash loyihasini tayyorlashda zarur bo'ladigan har qanday ma'lumot va izohlarni olish maqsadida maslahatlashuvlar olib bormoqchi. Xususan, Juru Energy, Sizdan Loyiha maydonidagi va undan 500 m radiusda joylashgan Loyiha ta'siri ostida bo'lishi mumkin bo'lgan moddiy yoki nomoddiy bo'lgan madaniy meros obyektlari to'g'risida ma'lumot olishda amaliy yordam so'raydi.

1. Loyiha hududida yoki uning 500 m radius ta'sir doirasida biron-bir moddiy yoki nomoddiy bo'lgan madaniy meros obyektlari mavjudmi?
2. Agar mavjud bo'lsa, moddiy yoki nomoddiy bo'lgan madaniy meros obyektlari (nomi, joylashuvi, tabiati, ahamiyati va h.k.) haqida ma'lumot taqdim etishingizni so'raymiz.

Taqdim etilgan barcha ma'lumotlar Loyihaning ekologik va ijtimoiy konsultanti tomonidan Loyiha ta'sirlarini aniqlash maqsadida foydalaniladi.

Hurmat bilan,
Jushkinbek Ismailov
Direktor
«Juru Energy Consulting» MChJ

Ma'lumot uchun:
Asadbek Nabiyev
Tel: +99891 101 27 79

Response

O'ZBEKISTON RESPUBLIKASI MADANIY MEROS AGENTLIGI
BUXORO VILOYATI MADANIY MEROS BOSHQARMASI
AGENCY OF CULTURAL HERITAGE OF THE REPUBLIC OF UZBEKISTAN
DEPARTMENT OF CULTURAL HERITAGE OF BUKHARA REGION

200121, O'zbekiston, Buxoro viloyati, Buxoro shahar, H.Ibodov ko'chasi, 7-uy
Tel: (0365) 224-24-60, Tel/fax. (0365) 224-14-62, e-mail: buxoro_inspeksiya@umail.uz

2023-yil 17 - mart 03-14/347 -sonli

"Juru Energy Consulting" MChJga

Ma'lumot uchun: **Madaniy meros agentligiga**

Sizning Madaniy meros agentligiga yo'llagan 2023-yil 14-martdagi JEC-OUT-23-81-sonli murojaatingiz Buxoro viloyati madaniy meros boshqarmasi mutaxassislari tomonidan atroflicha o'rganib chiqildi.

Abu Dabi Future Energy kompaniyasi DAJ ("Masdar") Nur-Buxoro quyosh fotoelektrik stansiyasini (QFS) loyihalash, qurish, moliyalashtirish, ishga tushirish, foydalanish va texnik xizmat ko'tsatishni rejalashtirgan hudud ilovada taqdim etilgan joylashuv asosida o'rganildi. Mazkur tanlangan hudud Buxoro viloyatining Olot tumani hududida ekanligi hamda loyiha maydoni va uning 500 metr radiusida davlat muhofazasiga olingan moddiy madaniy meros obyektlari mavjud emasligini bildiramiz.

Shuningdek, Nur-Buxoro quyosh fotoelektrik stansiyasini (QFS) qurish uchun tanlangan hudud arxeologik jihatdan o'rganilmaganligini inobatga olib, arxeologik qidiruv va kuzatuv ishlarini olib borish maqsadga muvofiq ekanligini ma'lum qilamiz.

Boshqarma boshlig'i v.v.b **Sh.Sharofiddinov**

Institute of Archaeology	
Sent	**Response**

Juru Energy

«Juru Energy Consulting» MChJ
100077, Toshkent, M.Ulug'bek tumani,
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H/r: 20208000400502375001

№ JEC-OUT-23-74, 13.03.2023

O'zbekiston Respublikasi Fanlar akademiyasi qoshidagi
Arxeologiya institutiga

Abu Dabi Future Energy kompaniyasi DAJ ("Masdar") quvvati 250 MVt o'zgaruvchan tok va 63 MVt va 2 soat energiya sig'imiga ega Nur-Buxoro quyosh fotoelektrik stansiyasini (QFS) loyihalash, qurish, moliyalashtirish, ishga tushirish va foydalanish, va texnik xizmat ko'rsatishni rejalashtirgan (Loyiha joylashuvi 1-ilovada keltirilgan). Loyiha "O'zbekiston milliy elektr tarmog'i" AJ ("O'MET") bilan 25 yillik elektr energiyasini sotib olish to'g'risidagi shartnomasini imzolash orqali amalga oshiriladi. Qurilish ishlari boshlanishining taxminiy sanasi 2023-yilning 3-choragiga, Loyihani ishga tushirish taxminiy sanasi 2024-yilning 2-choragiga belgilangan.

Milliy va xalqaro standartlar asosida talab qilinadigan atrof muhit va ijtimoiy ta'sirni baholash (AITB) loyihasini tayyorlash doirasida Masdarning atrof muhit va ijtimoiy maslahatchisi Juru Energy (Toshkent, O'zbekiston) Loyiha doirasida ekologik va ijtimoiy izlanishlar, ma'lumotlarni to'plash va tegishli mahalliy hokimiyat organlari bilan maslahatlashuvlar olib bormoqda.

Yuqoridagilarni inobatga olib, Juru Energy Arxeologiya institutiga Loyiha haqida ma'lumot berish va Loyihaning Atrof-muhit va ijtimoiy ta'sirni baholash loyihasini tayyorlashda zarur bo'ladigan har qanday ma'lumot va izohlarni olish maqsadida maslahatlashuvlar olib bormoqchi. Xususan, Juru Energy, Sizdan Loyiha maydonidagi va undan 500 m radiusda joylashgan Loyiha ta'siri ostida bo'lishi mumkin bo'lgan arxeologik va madaniy meros obyektlari to'g'risida ma'lumot olishda amaliy yordam so'raydi.

1. Loyiha hududida yoki uning yaqinida biron-bir arxeologik/madaniy tadqiqotlar o'tkazilganmi?
2. Agar o'tkazilgan bo'lsa, u yerda arxeologik/madaniy manzilgohlar aniqlanganmi? Agar aniqlangan bo'lsa, iltimos, o'tkazilgan tadqiqotlar natijalarini taqdim eting.
3. Loyiha maydonida yoki yaqinida hozirda biron-bir arxeologik izlanishlar olib borilyaptimi?
4. Agar olib borilayotgan bo'lsa, izlanishlar olib borilayotgan maydon koordinatalari, izlanishlar olib borish jadvali va boshqa tegishli ma'lumotlarni taqdim etishingizni iltimos qilamiz.

Taqdim etilgan barcha ma'lumotlar Loyihaning ekologik va ijtimoiy konsultanti tomonidan Loyiha ta'sirlarini aniqlash maqsadida foydalaniladi.

Hurmat bilan,
Jushkinbek Ismailov
Direktor
«Juru Energy Consulting» MChJ

JURU ENERGY CONSULTING

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Institute of Botany	
Sent	Response

MA'SULIYATI CHEKLANGAN JAMIYATI
JURU ENERGY CONSULTING

100077, Tashkent, M. Ulugbek region, Chust Street, house No: 10a. TIN: 303454532, BIC: 00401
Bank: «AT Aloqabank Atlas KXKM» A/N: 20208000400502375001

Письмо №: JEC-OUT-23-85
Дата: 16.03.2023

Директору
Института ботаники АН РУз
д.б.н. Шомуродову Х.Ф

Тема: о релокации семян *Calligonum molle, Calligonum matteianum* на территории проекта «Nur-Bukhara Solar PV 250 MW)

Уважаемый Ҳабибулло Файзуллоевич!

Компания «Juru energy» осуществляет консультационную поддержку инвестиционных проектов на территории Узбекистана. В настоящее время наша компания проводит оценку экологического и социального воздействия проекта строительства солнечной станции, мощностью 250МВт в Алатском районе Бухарской области, площадью 691 ha.

На проектной территории произрастают 2 редких вида кандыма *Calligonum molle* и *Calligonum matteianum*, включенных в Красную книгу Узбекистана (2019).

С целью снижения негативного воздействия проекта, планируется провести релокацию обоих видов (сбор и пересадка семян) с территории проекта на безопасный участок, расположенный в том же биотопе на удалении от зоны воздействия. Работы будут проведены под руководством д.б.н. Бешко Н.Ю.

Просим Вас оказать поддержку работ по релокации, которая необходима для получения разрешения Министерства природных ресурсов РУз на сбор семян растений, включенных в Красную книгу Узбекистана.

Отчет о проведении работ по релокации *Calligonum molle, Calligonum matteianum* будет предоставлен в течение месяца после проведения работ.

Приложение:
1. Карта-схема проектной территории

Директор **Ж. Исмаилов**

Исполнитель: Анна Тен
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Tel. +998 94 6386113
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Juru Energy

O'ZBEKISTON RESPUBLIKASI FANLAR AKADEMIYASI
BOTANIKA INSTITUTI

100125, Toshkent sh. Do'rmon yoli ko'chasi, 32 uy. 71 262 37 95, 71 262 37 97 71 262 79 38
Hisob-kitob raqami № 23402000300100001010, MFO: 00014, STIR: 305079736 OKED: 72190
http://www.botany.uz botany@academy.uz

№131
« 03 » 04. 2023 y

ООО «Juru Energy Consulting»

На письмо № JEC-OUT-23-85 от 16.03.2023 ООО «Juru Energy Consulting»

Специалисты Института ботаники Академии наук, рассмотрели запрос компании «Juru Energy Consulting» об оказании поддержки в получении разрешения Министерства природных ресурсов Республики Узбекистан на сбор семян двух видов кандыма, занесенных в Международную Красную книгу (IUCN Red List) и Красную книгу Республики Узбекистан (*Calligonum matteianum* и *Calligonum molle*), для их релокации из зоны воздействия планируемого строительства солнечной электростанции мощностью 250 МВт в Алатском районе Бухарской области (691 га), а также в оказании поддержки в работах по релокации. Сообщаем Вам, что по данному вопросу возражений не имеется. Институт ботаники будет рекомендовать Министерству природных ресурсов Республики Узбекистан выдать компании «Juru Energy Consulting» разрешение на сбор семян и проведение релокации растений в установленном порядке. Учитывая сроки цветения (апрель–май) и плодоношения (май–июнь) указанных 2 редких видов кандыма, рекомендуем провести сбор семян в конце июня–начале июля.

Директор **Х.Ф. Шомуродов**

Исп. Зав. лаборатории кадастра и мониторинга редких видов растений к.б.н. Бешко Н.Ю.
Тел. 71-262-37-95

Ministry of Mining Industry and Geology

Sent	Response

Juru Energy

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100077, Toshkent, M.Ulug'bek tumani,
Chust ko'chasi, 10A.
INN 303454532, MFO 00401
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H/r: 20208000400502375001

№ JEC-OUT-23-99, 31.03.2023

O'zbekiston Respublikasi tog'-kon sanoati va geologiya vazirligiga

Abu Dabi Future Energy kompaniyasi DAJ ("Masdar") quvvati 250 MVt o'zgaruvchan tok va 63 MVt quvvatli 2 soat energiya sig'imiga ega akkumulyator batareyali Nur-Buxoro quyosh fotoelektrik stansiyasini (QFS) loyihalash, qurish, moliyalashtirish, ishga tushirish va foydalanish, va texnik xizmat ko'rsatishni rejalashtirgan (Loyiha joylashuvi 1-ilovada keltirilgan). Loyiha "O'zbekiston milliy elektr tarmog'i" AJ ("O'MET") bilan 25 yillik elektr energiyasini sotib olish to'g'risidagi shartnomasini imzolash orqali amalga oshiriladi. Qurilish ishlari boshlanishining taxminiy sanasi 2023-yilning 3-choragiga, Loyihani ishga tushirish taxminiy sanasi 2024-yilning 2-choragiga belgilangan.

Milliy va xalqaro standartlar asosida talab qilinadigan atrof muhit va ijtimoiy ta'sirni baholash (AITB) loyihasini tayyorlash doirasida Masdarning atrof muhit va ijtimoiy maslahatchisi Juru Energy (Toshkent, O'zbekiston) Loyiha doirasida ekologik va ijtimoiy izlanishlar, ma'lumotlarni to'plash va tegishli mahalliy hokimiyat organlari bilan maslahatlashuvlar olib bormoqda.

Yuqoridagilarni inobatga olib, Juru Energy Tog'-kon Sanoati va Geologiya vazirligi bilan Loyiha haqida ma'lumot berish va Loyihaning Atrof-muhit va ijtimoiy ta'sirni baholash loyihasini tayyorlashda zarur bo'ladigan har qanday ma'lumot va izohlarni olish maqsadida maslahatlashuvlar olib bormoqchi. Xususan, Juru Energy, Sizdan Loyiha maydonidagi va undan 500 m radiusda joylashgan Loyiha ta'siri ostida bo'lishi mumkin bo'lgan joriy va/yoki rejalashtirilgan konchilik faoliyati joylari to'g'risida ma'lumot olishda amaliy yordam so'raydi.

2023-yil mart oyida Loyiha mayodniga tashrif buyurilganda qazish ishlari olib borilgan ikkita zona aniqlangan (2-ilovaga qarang), ammo 1 va 2-qazish joylarida hech qanday olib borilayotkan ishlar kuzatilmagan. Shu munosabat bilan biz sizdan quyidagi masalalar bo'yicha ma'lumot berishingizni so'raymiz:

1. Qazilgan maydonlar kon deb hisoblanadimi? Agar shunday bo'lsa, kon ishlari tugaganligini yoki qachon boshlanishini tasdiqlay olasizmi?
2. Agar tog'-kon ishlari tugallangan bo'lsa, ushbu hududda tog'-kon ishlari qayta tiklanishi ehtimoli mavjudmi? Agar shunday bo'lsa, bizga dastlabki muddatlarni taqdim eta olasizmi?
3. Agar qazib olish ishlari davom etayotgan bo'lsa, bizga qazib olish ishlarining dastlabki muddatlarini/ vaqt jadvalini taqdim eta olasizmi?
4. Ushbu maydonlarda qanday resurslar qazib olingan/qazib olinadi?
5. Qaysi kompaniya kon ishlari uchun javobgar?
6. Ushbu qazib olish joylari uchun yer ijara shartnomalari mavjudmi?
7. Kon ishlariga qancha ishchi jalb etilgan/ishtirok etadi?
8. Kon ishchilari loyiha uchastkasidan quyidagi maqsadlarda foydalanadimi:
   - Kirish yo'li sifatida
   - Qazib olingan xom ashyo/minerallarni tashish/transportirovkasi
   - Boshqa maqsadda foydalanish (iltimos, keltiring).
9. Loyiha maydoni ichida yoki maydondan 500 metr radiusda ishga tushirilishi kutilayotgan konlar mavjudmi? Agar shunday bo'lsa, iltimos, koordinatalarni ko'rsating (dastlabki koordinatalar bo'lsa ham).
10. Ushbu maydonda tog'-kon ishlarida ishtirok etadigan boshqa manfaatdor tomonlar (jismoniy/yuridik shaxslar, tashkilotlar, hukumat organlari va boshqalar), shu jumladan ularning aloqa ma'lumotlari haqida ma'lumot bera olasizmi?
11. Iltimos, qo'shimcha sharhlaringizni bering (agar mavjud bo'lsa).

Taqdim etilgan barcha ma'lumotlar Loyihaning ekologik va ijtimoiy konsultanti tomonidan Loyiha ta'sirlarini aniqlash maqsadida foydalaniladi.

Hurmat bilan,
Jushkinbek Ismailov
Direktor
«Juru Energy Consulting» MChJ

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O'ZBEKISTON RESPUBLIKASI
TOG'-KON SANOATI VA GEOLOGIYA VAZIRLIGI
THE MINISTRY OF MINING AND GEOLOGY OF THE REPUBLIC OF UZBEKISTAN

100060, Toshkent shahri, Mirobod tumani, T. Shevchenko ko'chasi, 11-uy
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2023-yil "11" 05 03-1250 son

"Juru Energy Consulting" MChJ

Sizning 2023-yil 31-martdagi JEC-OUT-23-99-sonli xatingizga javoban, Buxoro viloyati Olot tumanida "Nur-Buxoro" quyosh fotoelektr stansiyasi qurilish maydoni ichida joylashgan 1- va 2- maydonlariga tegishli so'rovnomalar bo'yicha quyidagilar ma'lum qilinadi.

1-, 2- maydonlarida hamda loyiha maydoning 500 metr radiusi atrofida foydali qazilmalar mavjud emas va loyiha muddati davrida qazish ishlari olib borilmasligi kafolatlanadi.

Vazir kotibiyati boshlig'i Z. Saidov

Ijrochi: Davronov A.
telefon: (71) 256-15-36
kirish raqami: 2271

Chamber of State Cadastres of Bukhara Region

Sent

Juru Energy

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100077, Toshkent, M.Ulug'bek tumani,
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H/r: 20208000400502375001

№ JEC-OUT-23-100, 31.03.2023

Davlat kadastrlari palatasining
Buxoro viloyati boshqarmasi boshlig'i
A. Toyirovga

Hurmatli Amriddin Xayriddinovich

Abu Dabi Future Energy kompaniyasi DAJ ("Masdar") quvvati 250 MVt o'zgaruvchan tok va 63 MVt quvvatli 2 soat energiya sig'imiga ega akkumulyator batareyali Nur-Buxoro quyosh fotoelektrik stansiyasini (QFS) loyihalash, qurish, moliyalashtirish, ishga tushirish va foydalanish, va texnik xizmat ko'rsatishni rejalashtirgan (Loyiha joylashuvi 1-ilovada keltirilgan). Loyiha "O'zbekiston milliy elektr tarmog'i" AJ ("O'MET") bilan 25 yillik elektr energiyasini sotib olish to'g'risidagi shartnomasini imzolash orqali amalga oshiriladi. Qurilish ishlari boshlanishining taxminiy sanasi 2023-yilning 3-choragiga, Loyihani ishga tushirish taxminiy sanasi 2024-yilning 2-choragiga belgilangan.

Milliy va xalqaro standartlar asosida talab qilinadigan atrof muhit va ijtimoiy ta'sirni baholash (AITB) loyihasini tayyorlash doirasida Masdarning atrof muhit va ijtimoiy maslahatchisi Juru Energy (Toshkent, O'zbekiston) Loyiha doirasida ekologik va ijtimoiy izlanishlar, ma'lumotlarni to'plash va tegishli mahalliy hokimiyat organlari bilan maslahatlashuvlar olib bormoqda.

Yuqoridagilarni inobatga olib, Juru Energy Davlat kadastrlari palatasi Buxoro viloyati boshqarmasi bilan Loyiha haqida ma'lumot berish va Loyihaning Atrof-muhit va ijtimoiy ta'sirni baholash loyihasini tayyorlashda zarur bo'ladigan har qanday ma'lumot va izohlarni olish maqsadida maslahatlashuvlar olib bormoqchi. Xususan, Juru Energy, Sizdan quyidagi jadval va savollarga muvofiq loyiha ta'sir qilishi mumkin bo'lgan loyiha hududidagi yerdan foydalanuvchilar haqida ma'lumot olishda amaliy yordam berishingizni so'raydi.

No	Yerdan foydalanuvchi (FISh)	Faoliyat turi (ekin ekish, yaylov va boshqalar)	Yer uchastkasining hajmi (Yer ijara shartnomasi bo'yicha)	Yer egasining (FISh)	Yer ijara shartnomasi berilgan sana	Yerni ijaraga berish muddati (necha yil)	Yer egalarining aloqa ma'lumotlari

1. Loyiha maydoni ichida yerdan foydalanuvchilarning yer uchastkalarining kadastr bo'linishini taqdim eta olasizmi?
2. Yer ijara shartnomalari yoki yerdan foydalanuvchilarga yer ajratish to'g'risida hokimiyatning tegishli buyruqlarini taqdim eta olasizmi?
3. Loyiha maydoniga tashrif buyurilganda qazish ishlari olib borilgan ikkita zona aniqlangan(2-ilovaga qarang). Shu sabab ushbu aniqlangan maydonlarda konchilik ishlari (olib borilayotgan/tugallangan) mavjudligini tasdiqlay olasizmi? Agar shunday bo'lsa, ushbu masalada atrof muhit va ijtimoiy ta'sirni baholash islari doirasida keyingi maslahatlashuvlar olib borish uchun mas'ul organlar/tashkilotlarning aloqa ma'lumotlarini taqdim eta olasizmi?

Taqdim etilgan barcha ma'lumotlar Loyihaning ekologik va ijtimoiy konsultanti tomonidan Loyiha ta'sirlarini aniqlash maqsadida foydalaniladi.

Hurmat bilan,

Jushkinbek Ismailov
Direktor
«Juru Energy Consulting» MChJ

Ma'lumot uchun:
Asadbek Nabiyev
Tel: +99891 101 27 79
E-mail: a.nabiev@juruenergy.com

Response

IJRO.GOV.UZ тизими орқали ЭРИ билан тасдиқланган, Ҳужжат коди: WP54855383

O'ZBEKISTON RESPUBLIKASI IQTISODIYOT VA MOLIYA VAZIRLIGI
HUZURIDAGI KADASTR AGENTLIGINING
DAVLAT KADASTRLARI PALATASI
BUXORO VILOYAT BOSHQARMASI

200100, O'zbekiston, Buxoro shahri I.Mo'minov ro'chasi 4-uy. Tel.: (65)-221-01-83, faks: (65)-221-01-88,
e-mail: *buhoroodkp@kadastr.uz*, Exat manzili: buxvilkad@exat.uz

2023 yil "12" aprel
01-1612-son

Juru Energy Consulting MChJ

rahbari J.Ismailovga

Davlat kadastr palatasi Buxoro viloyat boshqarmasi, sizning 2023-yil 31-martdagi №JEC-OUT-23-100-sonli murojaat xati yuzasidan boshqarmaning ma'sul mutaxassislari tomonidan vakolat doirasida o'rganib chiqib, o'rganish yakuni yuzasidan quyidagilarni bildiradi.

Loyha maydoni ichida yerdan foydalanuvchilarning yer uchastkalarini kadastr bo'linishini tadim etish bo'yicha. Ushbu loyha maydoni ichida yerdan foydalanuvchilarning kadastr hujjatlari mavjud bo'lib kadastr yig'ma jildi "Pillachilik va Qorako'chilikni rivojlantirish ko'mitasiga" tegishli.(Hozirgi ipakchilik va jun sanoatini rivojlvntirish qo'mitasi)

Koordinata nuqtalari ko'rsatilgan joy Ipakchilik va jun sanoatini rivojlvntirish qo'mitasiga tegishli 9141-konturda joylashgan yer maydonlari hisoblanadi.

Yer ijara shartnomalari yoki yerdan foydalanuvchilarga yer ajratish to'g'risida hokimyatning tegishli buyruqlarini taqdim etish bo'yicha Olot Tuman hokimining 30.09.2020 yildagi qaroriga asosan Ipakchilik va jun sanoatini rivojlvntirish qo'mitasiga ajratib berilgan va kadastr yig'ma jildi shakillantirilib 26.11.2021 №12666761 raqam bilan davlat ro'xatidan o'tkazilgan.

Loyha maydonlariga tashrif buyurganda qazish ishlari olib borilgan ikkita zona aniqlangan maydonlarda konchilik ishlari mavjudligini tasdiqlash, agarda shunday bo'lsa,ushbu masalada atrof muhit va ijtimoiy ta'sirini baholash ishlari doirasida keyingi maslahatlashuvlar olib borish uchun mas'ul organlar tashkilotlarning aloqa ma'lumotlarni taqdim etish unday holatlar o'yicha Davlat kadastr palatasi Buxoro viloyat boshqarmasi ma'lumotlar mavjud emasligini hamda O'zbekiston Respublikasi Geologiya va mineral resurslar qo'mitasi va Tabiat resurslari vazirligiga murojaat qilish maqsadga muvofiqligini ma'lum qiladi.

Boshqarma boshligi: **A. Toyirov**

Ijrochi: U.Saidov

Uzhydromet

Sent

Juru Energy

ООО «Juru Energy Consulting»
100077, г.Ташкент, М.Улугбекский район,
улица Чуст, дом 10А.
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Банк: "AT Aloqabank Atlas KXKM"
Р/с: 20208000400502375001

JEC-OUT-23-98 от 31.03.2023г.

Директору Узгидромет
Ш. Хабибуллаев

ЗАЯВКА
на проведение лабораторных исследований

Уважаемый Ш. Хабибуллаев!

Juru Energy Consulting просит Вас произвести анализ ***6 проб*** воды из ирригационного канала, которые будут доставлены в лабораторию 6 апреля.

Место отбора проб- г. Алат, координаты и месторасположение точек отбора указаны в **Приложении 2**

Просим Вас провести анализ согласно действующему законодательству в Республике Узбекистан, а именно ГОСТ.

Оплату произведенной работы согласно выставленного счета гарантируем.

С уважением,

Жункинбек Исмаилов

Директор

ООО «Juru Energy Consulting»

JURU ENERGY CONSULTING

Для дополнительной информации обращайтесь:
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Тел: +99899 8827674
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Слободкина Людмила
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Juru Energy

Response

O'ZBEKISTON RESPUBLIKASI GIDROMETEOROLOGIYA XIZMATI MARKAZI (O'ZGIDROMET)

TABIIY MUHIT IFLOSLANISHI MONITORINGI BOSHQARMASI (TMIMB)
100052, Toshkent shahar
Bodomzor yo'li 1-tor ko'chasi, 72
Telefonlar: + 99871 237-15-47
Faks:+ 99871 235-86-14
E-mail: s_m_z@meteo.uz

CENTRE OF HYDROMETEOROLOGICAL OF THE REPUBLIC OF UZBEKISTAN (UZHYDROMET)

DEPARTMENT OF NATURAL ENVIRONMENT POLLUTION MONITORING (DNEPM)
72, 1st Bodomzor yuli str.,
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Telephones: +99871 237-15-47
Fax +99871 235-86-14
E-mail: s_m_z@meteo.uz

«12» 04 2023 yil № 06-08/01-8

Директору ООО "Juru Energy Consulting"
Ж.Исмаилову

Представляем результаты анализа проб воды, отобранных в г.Алат из ирригационного канала.

Анализы проведены в соответствии с нормативным документом: D 1125-95 (Стандартные методы испытаний на определение удельной электропроводности и электрического удельного сопротивления)

№	Маркировка пробы	Электропроводимость, мкС/ см
1	2	3
1	W1	1246
2	W2	1233
3	W3	1240
4	W4	1236
5	W5	1227
6	W6	20685

Начальник ОЛМЗПВ
УМЗ Узгидромета **А.Р.Голотюк**

Ministry of Natural Resources

Sent

Juru Energy

ООО «Juru Energy Consulting»
100077, г.Ташкент, М.Улугбекский район,
улица Чуст, дом 10А.
ИНН 303454532, МФО 00401
Банк: "АТ Aloqabank Atlas KXKM"
Р/с: 20208000400502375001

№ JEC-OUT-23-128 от 13.04.2023

Министру Природных Ресурсов
Республики Узбекистан Абдухакимову А.А.

Уважаемый Азиз Абдукахарович!

В целях стимулирования экономического роста страны Правительство Республики Узбекистан через Министерство энергетики поставило задачу увеличить производство электроэнергии в стране до 29,3 ГВт к 2030 году. Одной из целей «Концепции обеспечения Республики Узбекистан электроэнергией на 2020-2030 годы» является разработка и расширение солнечных электростанций. ПАО «Abu Dhabi Future Energy Company» (далее – «Masdar») выиграла тендер Министерства энергетики Республики Узбекистан на проектирование, конструирование, финансирование, строительство, ввод в эксплуатацию и использование, техническое обслуживание и передачу (DBFOMT) фотоэлектрической станции «Nur Bukhara Solar», мощностью 250 МВт и 63 МВт / аккумуляторная система хранения энергии на 126 МВтч (BESS) (далее – «Проект», см. местоположение Проекта в Приложении 1). Проект будет реализован в рамках договора о купле-продаже электроэнергии заключенного на 25-лет с АО Национальная электрическая сеть Узбекистана («НЭСУ»). Ожидаемая дата начала строительных работ — 3й квартал 2023 года, ввод объекта в эксплуатацию планируется на 2й квартал 2024 года.

Компания «Masdar» назначила ООО «Juru Energy» Консультантом по Оценке экологического и социального воздействия (ОЭСВ) Проекта, требуемой в соответствии с национальными и международными стандартами. В рамках ОЭСВ Juru Energy консультируется с различными учреждениями, чтобы запросить любые данные или комментарии, которые будут иметь отношение к подготовке ОЭСВ Проекта, особенно в отношении биоразнообразия, экологии и сохранения. В частности, любая информация о нижеследующем будет считаться актуальной и применимой и будет с благодарностью принята:

1. Известно ли Министерству природных ресурсов о каких-либо исследованиях биоразнообразия, которые были проведены вблизи территории Проекта или в радиусе 5 км? В частности, исследования, проведенные в течение последних пяти лет, по местам обитания, видам флоры, млекопитающим/летучим мышам, птицам, рептилиям, рыбам, амфибиям или насекомым?
2. Если да, то сможет ли Министерство природных ресурсов предоставить имеющиеся данные, результаты исследований, которые будут использованы в рамках проекта ОЭСВ?
3. Может ли Министерство природных ресурсов дать рекомендации по основным проблемам, с которыми сталкиваются исчезающие виды в Узбекистане на сегодняшний день?
4. Исходя из опыта Министерства природных ресурсов в области экологии региона, есть ли у Вас какие-либо предварительные комментарии касательно конкретных объектов биоразнообразия, на которые Проект может оказать воздействие?
5. Если на территории Проекта присутствуют уязвимые виды фауны и/или флоры, может ли Министерство природных ресурсов сообщить о требованиях по защите этих видов?
6. Имеются ли охранные зоны в радиусе 50 км от границ территории Проекта?
7. Пожалуйста, предоставьте любые дополнительные комментарии в отношении Проекта.

Настоящим также сообщаем, что предположительно на территории Проекта могут обитать два редких вида растений, включенных в Красную книгу – Calligonum molle и Calligonum matteianum. Исследования по данным видам планируется провести в июне. В связи с этим, просим Вас также дать рекомендации и предложения по этим видам.

Предоставленная Вами информация будет использована Консультантом по Оценке экологического и социального воздействия исключительно в целях определения потенциальных воздействий Проекта.

Большое спасибо за Вашу помощь, и мы с нетерпением ждем вашего ответа.

Директор **Ж. Исмаилов**

JURU ENERGY CONSULTING

Juru Energy

Исполнитель:
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Response

IJRO.GOV.UZ тизими орқали ЭРИ билан тасдиқланган, Ҳужжат коди: SS28825256

O'ZBEKISTON RESPUBLIKASI TABIAT RESURSLARI VAZIRLIGI

100043, Toshkent sh., Chilonzor t., Bunyodkor shoh k., 7a-uy.
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2023-yil "25" - aprel **04-04/2-489-son**

Директору
ООО«JURU ENERGY CONSULTING»

На Ваше письмо JEC-OUT-23-128
от 13.04.2023 года

Министерство природных ресурсов Республики Узбекистан учитывая значимость проекта по строительству и эксплуатация фото электрической станции «Nur Bukhara Solar» мощностью 250 МВт. на территории Бухарской области, рекомендует проработать вопрос привлечения специалистов Академии наук Республики Узбекистан и других соответствующих ведомств для получения научно-обоснованных данных по наличию и состоянию объектов флоры и фауны необходимых при подготовке Оценки экологического и социального воздействия (ОЭСВ) проекта.

Со своей стороны, выражаем готовность оказать необходимую поддержку и содействие в рамках действующего законодательства в процессе реализации проектов, осуществляемых Вашей компанией в Узбекистане.

Заместитель министра **Н.Обломурадов**

Sent	**Response**

Juru Energy

ООО «Juru Energy Consulting»
100077, Tashkent, M.Ulugbek region,
Chust street, 10A.
TIN 303454532, BIC 00401
Bank: "AT Aloqabank Atlas KXKM"
A/N: 20208000400502375001

№ JEC-OUT-23-192 от 29.05.2023

Тема: касательно возможности проведения встречи между представителями Министерства природных ресурсов и компании «Masdar»

Министру природных ресурсов
Республики Узбекистан
А.А. Абдухакимову

Уважаемый Азиз Абдукахарович!

В соответствии с постановлениями Президента Республики Узбекистан №ПП-4256 «О мерах по дальнейшему расширению и укреплению двустороннего сотрудничества между Республикой Узбекистан и Объединенными Арабскими Эмиратами» от 2 апреля 2019 года и №ПП-4300 «О мерах по дальнейшему совершенствованию механизмов привлечения прямых иностранных инвестиций в экономику Республики» от 29 апреля 2019 года, а также в рамках договора о купле-продаже электроэнергии заключенного на 25-лет с АО Национальная электрическая сеть Узбекистана («НЭСУ»), ПАО «Abu Dhabi Future Energy Company» (далее – «Masdar») осуществляет проект по конструированию, финансированию, строительству, вводу в эксплуатацию и использованию фотоэлектрической станции «Nur Bukhara Solar», мощностью 250 МВт и 63 МВт / аккумуляторной системы хранения энергии на 126 МВтч (BESS) (далее – «Проект»).

Компания «Masdar» назначила ООО «Juru Energy Consulting» Консультантом по Оценке экологического и социального воздействия (ОЭСВ) Проекта, требуемой в соответствии с национальными и международными стандартами.

В рамках подготовки ОЭСВ, Экспертами компании Juru Energy совместно с зоологами Института зоологии АН РУз была проведена комплексная оценка воздействия на биоразнообразие. Оценка выявила несколько важных для сохранения биоразнообразия видов, которые предположительно будут находиться в зоне воздействия Проекта.

В связи с этим, от имени компании Masdar компания Juru Energy хотела бы предложить встречу между представителями Министерства природных ресурсов и компании Masdar для детального обсуждения следующих вопросов:

- Возможность проведения исследовательских работ по двум редким видам рыб – *Pseudoscaphirhynchus kaufmanni* и *Pseudoscaphirhynchus hermanni;*

- Получение разрешения на сбор семян двух редких видов растений – *Calligonum mole* и *Calligonum matteianum*;

- Утверждение Плана релокации Среднеазиатской черепахи (*Testudo horsfieldii*).

Ранее компания Juru Energy обращалась в Министерство природных ресурсов касательно вышеперечисленных вопросов, и мы понимаем, что в настоящее время запросы находятся на рассмотрении. Однако, ввиду сжатых сроков Проекта, просим Вас рассмотреть возможность проведения встречи и надеемся на Вашу поддержку.

Большое спасибо, и мы с нетерпением ждем вашего ответа.

С уважением,
Директор **Ж. Исмаилов**

JURU ENERGY CONSULTING

Juru Energy

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Juru Energy

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Р/с: 20208000400502375001

№ JEC-OUT-23-122, от 10.04.2023 г.

Министру Природных Ресурсов
Республики Узбекистан

Абдухакимову А.А.

Касательно проведения изыскательных работ по редким видам рыб по проекту 'Nur Bukhara Solar PV' 250 МВт

Уважаемый Азиз Абдукахарович!

Компания "Juru Energy" осуществляет консультационную поддержку инвестиционных проектов на территории Узбекистана. В настоящее время мы сотрудничаем с компанией Масдар по проекту «Нур Бухара Солар».

Информация о проекте. Для стимулирования экономического роста страны Правительство Республики Узбекистан через Министерство энергетики поставило задачу увеличить производство электроэнергии в стране до 29,3 ГВт к 2030 году. Одной из целей «Концепции обеспечения Республики Узбекистан электроэнергией на 2020-2030 годы» является разработка и расширение солнечных станций. ПАО «Энергетическая компания будущего Абу-Даби» («Масдар») получило от Министерства энергетики Республики Узбекистан грант на проектирование, конструирование, финансирование, строительство, ввод в эксплуатацию и использование, техническое обслуживание и передачу (DBFOMT) фотоэлектрической электростанции «Нур Бухара Солар», мощностью 250 МВт и 63 МВт / аккумуляторная система хранения энергии на 126 МВтч (BESS). Проект будет разработан в соответствии с национальными нормами и международными стандартами.

Экспертами компании Juru Energy совместно с зоологами Института зоологии АН РУз была проведена комплексная Оценка воздействия на биоразнообразие. Важные для сохранения биоразнообразия объекты, которые предположительно будут находиться в зоне воздействия, были оценены с учетом потенциального воздействия, возникающего на различных этапах проекта.

На этом этапе было выделено 2 вида рыб, которые могут обитать в зоне воздействия проекта. Это Большой амударьинский лопатонос *Pseudoscaphirhynchus kaufmanni* и Малый амударьинский лопатонос *Pseudoscaphirhynchus hermanni.* Оба вида включены в Красную книгу Узбекистана и МСОП (Международный союз охраны природы) со статусом «Вид на грани исчезновения» - CR.

Просим Вас рассмотреть возможность проведения изыскательных научно-исследовательских работ по 2 редким видам рыб *Pseudoscaphirhynchus kaufmanni* и *Pseudoscaphirhynchus hermanni* в рамках 5 км буферной зоны проекта «Нур Бухара Солар» (Аму-Бухарский канал, Алатский район, Бухарская область). Данные исследования необходимы для подтверждения присутствия лопатоносов в зоне воздействия проекта, они будут использованы при подготовке национального и международных документов по оценке воздействия проекта на окружающую среду. К проведению исследования привлечен ихтиолог Института Зоологии АН РУз (сотрудник отдела научных коллекций) Акбаржон Розимов.

Методы исследования учитывают риски для отловленных лопатоносов и позволяют их снизить. Лопатоносы будут отловлены трехслойной капроновой сетью, устроенной таким образом, чтобы можно было ловить донным дрей фом. Длина сетки 20 м, рабочая глубина 1,5 м, размер ячеи 30 мм, ширина сети 250 мм. Район отлова охватывает участки реки с более медленным течением и глубиной обычно 1–2,5 м, расположенные в стороне от основного русла (Сальников и др., 2004). Сеть будет проверяться каждые полчаса, отловленные особи будут выпущены сразу после проведения необходимых измерений. Исследования планируется проводить в конце апреля 2023 года.

Приложение:

1. Проектная территория (карта)
2. Список публикаций А. Розимова по теме и копии статей

С уважением,

Жўшкинбек Исмаилов

Директор

ООО «Juru Energy Consulting»

Response	
	IJRO.GOV.UZ тизими орқали ЭРИ билан тасдиқланган, ҳужжат коди: BX85374436 O'ZBEKISTON RESPUBLIKASI TABIAT RESURSLARI VAZIRLIGI 100043, Toshkent sh., Chilonzor t., Bunyodkor shoh k., 7a-uy. 71-207-11-02, uznature@exat.uz www.eco.gov.uz 2023-yil "17" - aprel **04-04/2-323-son** **Директору ООО "JURU ENERGY CONSULTING"** *На Ваше письмо JEC-OUT-23-122 от 10.04.2023 года* Министерство природных ресурсов Республики Узбекистан доводит до Вашего сведения о том, что для сбора и подготовки информации необходимой для Оценки экологического и социального воздействия (ОЭСВ) в отношении сохранения экологии и биоразнообразия действующим законодательством определено: - изъятие из природной среды обитания редких и исчезающих видов диких животных, занесенных в Красную книгу Республики Узбекистан, может быть допущено в особом порядке, по разрешению, выдаваемому Государственным комитетом Республики Узбекистан по экологии и охране окружающей среды с учетом заключения Академии наук Республики Узбекистан и на основании решения Кабинета Министров Республики Узбекистан (Закон РУз «Об охоте и охотничьем хозяйстве», ст. 30). В связи с вышеизложенным, в целях получения соответствующего заключения по изъятию из природной среды двух редких видов, занесенных в Красную книгу Республики Узбекистан Амударьинского большого лопатоноса *(Pseudoscaphirhynchus kaufmanni)* и крайне редкого вида Амударьинского малого лопатоноса *(Pseudoscaphirhynchus hermanni)* Ваш запрос будет направлен в Академию наук Республики Узбекистан. **Заместитель министра** **Н.Обломурадов**

Juru Energy

ООО «Juru Energy Consulting»
100077, г.Ташкент, М.Улугбекский район,
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ИНН 303454532, МФО 00401
Банк: "AT Aloqabank Atlas KXKM"
Р/с: 20208000400502375001

№ JEC-OUT-23-202 от 7.06.2023

Тема: *Касательно инвентаризации кустарников и деревьев на проектной территории «Нур-Бухара Солар»*

Министру экологии,
охраны окружающей среды,
и изменения климата
Республики Узбекистан
Абдухакимову А.А.

Бухарское областное управление
Министерства экологии,
охраны окружающей среды,
и изменения климата РУз

Уважаемый Азиз Абдукахарович!

В целях стимулирования экономического роста страны Правительство Республики Узбекистан через Министерство энергетики поставило задачу увеличить производство электроэнергии в стране до 29,3 ГВт к 2030 году. Одной из целей «Концепции обеспечения Республики Узбекистан электроэнергией на 2020-2030 годы» является разработка и расширение солнечных электростанций. ПАО «Abu Dhabi Future Energy Company» (далее – «Masdar») выиграла тендер Министерства энергетики Республики Узбекистан на проектирование, конструирование, финансирование, строительство, ввод в эксплуатацию и использование, техническое обслуживание и передачу (DBFOMT) фотоэлектрической электростанции «Nur Bukhara Solar», мощностью 250 МВт и 63 МВт / аккумуляторная система хранения энергии на 126 МВтч (BESS). Проект будет реализован в рамках договора о купле-продаже электроэнергии заключенного на 25-лет с АО Национальная электрическая сеть Узбекистана («НЭСУ»). Ожидаемая дата начала строительных работ — 3й квартал 2023 года, ввод объекта в эксплуатацию планируется на 2й квартал 2024 года.

Компания «Masdar» назначила ООО «Juru Energy» Консультантом по Оценке экологического и социального воздействия (ОЭСВ) Проекта, требуемой в соответствии с национальными и международными стандартами.

Принимая во внимание существующее положение Указ Президента Республики Узбекистан, от 30.12.2021 г. No УП-46, касающееся защиты деревьев, имеющих ландшафтное значение, мы просим вас предоставить перечень с указанием видов и количества кустарников и деревьев в пределах зоны действия проекта, которые будут затронуты на основании посещения участка вашим заинтересованным должностным лицом вместе с нашим членом/и команды проекта.

Мы надеемся, что это поможет определить соответствующие меры, которые потребуются (если таковые будут), такие как повторная посадка (пересадка), если это возможно, для выявленных деревьев, которые будут затронуты в связи с развитием проекта.

К данному письму прилагаются следующие материалы:
1. Карта проектной территории
2. Координаты точек

Большое спасибо за Вашу помощь, и мы с нетерпением ждем вашего ответа.

С уважением,

Директор **Ж. Исманлов**

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Juru Energy

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Банк: "AT Aloqabank Atlas KXKM"
Р/с: 20208000400502375001

№ JEC-OUT-23-175 от 19.05.2023

Тема: *касательно редких видов растений*
Calligonum molle и C. matteianum
по проекту «Nur Bukhara Solar»

Министру Природных Ресурсов
Республики Узбекистан
Абдухакимову А.А.

Уважаемый Азиз Абдукахарович!

В целях стимулирования экономического роста страны Правительство Республики Узбекистан через Министерство энергетики поставило задачу увеличить производство электроэнергии в стране до 29,3 ГВт к 2030 году. Одной из целей «Концепции обеспечения Республики Узбекистан электроэнергией на 2020-2030 годы» является разработка и расширение солнечных электростанций. ПАО «Abu Dhabi Future Energy Company» (далее – «Masdar») выиграла тендер Министерства энергетики Республики Узбекистан на проектирование, конструирование, финансирование, строительство, ввод в эксплуатацию и использование, техническое обслуживание и передачу (DBFOMT) фотоэлектрической электростанции «Nur Bukhara Solar», мощностью 250 МВт и 63 МВт / аккумуляторная система хранения энергии на 126 МВтч (BESS). Проект будет реализован в рамках договора о купле-продаже электроэнергии заключенного на 25-лет с АО Национальная электрическая сеть Узбекистана («НЭСУ»). Ожидаемая дата начала строительных работ — 3й квартал 2023 года, ввод объекта в эксплуатацию планируется на 2й квартал 2024 года.

Компания «Masdar» назначила ООО «Juru Energy» Консультантом по Оценке экологического и социального воздействия (ОЭСВ) Проекта, требуемой в соответствии с национальными и международными стандартами.

В ходе предварительных изысканий на проектной территории было выявлено присутствие 2 редких видов растений - кандымов, включенных в Красную книгу Узбекистана (2019): кандым мягкий *Calligonum molle* и кандым Маттея *Calligonum matteianum*.

На достроительном этапе Masdar планирует получить разрешение на проведение вырубки древесно-кустарниковой растительности для строительства солнечной электростанции, на площади 691 га. В соответствии с законодательством Республики Узбекистан будет проведена оценка воздействия на древесно кустарниковую растительность и проведены компенсационные выплаты,в том числе по редким видам растений.

Тем не менее, чтобы смягчить негативное воздействие на редкие виды растений, в частности на кандым мягкий *Calligonum molle* и кандым Маттея *Calligonum matteianum,* дополнительно к компенсации также предлагается провести релокацию семян этих видов в подходящие местообитания, чтобы обеспечить выживаемость этих видов в окрестностях проекта. К данному письму приложен ответ Института ботаники Академии наук Узбекистана, в котором указано, что данная мера важна для сохранения этих видов и указаны сроки сбора.

Наша компания отправила заявку №191767 на онлайн платформу госуслуг License.gov на получение онлайн разрешения на сбор семян, а именно 2 кг семян кандыма мягкоко *Calligonum molle* и 2 кг кандыма Маттея *Calligonum matteianum* с последующей их посадкой в подходящие местообитания. Данное количество семян было определено экспертом д.б.н. Бешко Н.Ю.

Исполнитель:
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Juru Energy

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2023-yil "30" - may **04-04/2-1459-son**

Директору
ООО «JURU ENERGY CONSULTING»

на письмо JEC-OUT-23-175
от 19 мая 2023 года

Министерство природных ресурсов Республики Узбекистан изучив Ваш запрос касательно проекта по строительству и эксплуатации фотоэлектрической станции «Nur Bukhara Solar» мощностью 250 МВт и 63 МВт/ аккумуляторной системы хранения энергии на 126 МВт (BESS) на территории Бухарской области сообщает, в соответствии с требованиями установленных законом «Об охране и использовании растительного мира» допускаются в исключительных случаях пользование видами растений, занесенными в Красную книгу Республики Узбекистан, на основании разрешений, выдаваемых Кабинетом Министров Республики Узбекистан по представлению уполномоченного государственного органа в сфере охраны окружающей среды и заключению Академии наук Республики Узбекистан.

В связи с чем, на основании заключения Института Ботаники Академии наук Республики Узбекистан (№131 от 03.04.2023г.) запрос на сбор семян двух видов растений кандыма, занесенных в Международную Красную книгу и Красную книгу Узбекистана в установленном порядке будет направлен на согласование в Кабинет Министров Республики Узбекистан.

О результатах принятых решений сообщим дополнительно.

Заместитель министра **Н. Обломурадов**

Исп: Х.Махмудов
Тел: 71-207-07-70 (4444#)

Ministry of ecology, environmental protection and climate change of the Republic of Uzbekistan

Sent	Response

Juru

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Р/с: 20208000400502375001

№ JEC-OUT-23-292 от 17.07.2023

Министерство экологии,
охраны окружающей среды
и изменения климата
Республики Узбекистан

Отдел ОПТ Министерства экологии,
охраны окружающей среды
и изменения климата РУз

Касательно заключения Государственной экологической экспертизы по проекту ЗВОС СФЭС «Нур Бухара Солар», расположенному в Алатском районе, Бухарской области.

26 июня 2023 года ООО «Juru Energy» получило заключение экологической экспертизы проекта ЗВОС «Нур Бухара Солар», в котором указано обратиться в отдел ОПТ Министерства экологии, охраны окружающей среды и изменения климата Республики Узбекистан для того, чтобы:

1. согласовать с отделом ОПТ при Министерстве экологии, охраны окружающей среды и изменения климата возможность размещения СФЭС «Нур Бухара Солар» на рассматриваемой территории;

2. разработать и согласовать с отделом ОПТ при Министерстве экологии, охраны окружающей среды и изменения климата Мероприятия по сохранению биоразнообразия (растительности, птиц, рептилий, млекопитающих и рыб),включенных в международный Красный список и в Красную книгу Узбекистана.

Juru провело следующие исследования, по результатам которых были составлены заключения, озвученные в ПЗВОС, и готов предоставить отчеты исследований на русском языке.

№	Отчет	Эксперт
1	Отчет по весеннему ботаническому исследованию.	Д.б.н Бешко Н.Ю.
2	Отчет по летнему ботаническому исследованию.	Д.б.н Бешко Н.Ю.
3	Отчет по орнитофауне: гнездование дрофы-красотки, мраморного чирка и савки.	Тен А.Г.
4	Отчет по млекопитающим.	Грицына М.А.
5	Отчет по ихтиофауне Аму-Бухарского канала.	Розимов А.
6	Отчет по исследованию рептилий.	Абдураупов Т.В. Бондаренко Д. Грицына М.А.

Большое спасибо за Вашу помощь, и мы с нетерпением ждем вашего ответа.

Директор **Ж. Исмаилов**

JURU ENERGY CONSULTING

Исполнитель:
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info@juru.org

IJRO.GOV.UZ тизими орқали ЭРИ билан тасдиқланган, Ҳужжат коди: BE25832473

O'ZBEKISTON RESPUBLIKASI EKOLOGIYA, ATROF-MUHITNI MUHOFAZA QILISH VA IQLIM O'ZGARISHI VAZIRLIGI

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2023 - yil "3" - avgust **03-02/5-3473-son**

Директору
ООО «Juru Energy Consalting»
Ж. Исмаилову

Министерство экологии, охраны окружающей среды и изменения климата Республики Узбекистан рассмотрев Ваше письмо №JEC-OUT-23-292 от 17.07.2023 г., сообщает, что земельный участок, на котором планируется построить СФЕС «Нур Бухара Солар» не входит в зону охраняемых природных территорий.

Заместитель министра **Ж.Казбеков**

Bukhara Department of Ministry of Natural Resources	
Sent	Response

Juru Energy

ООО «Juru Energy Consulting»
100077, г.Ташкент, М.Улугбекский район,
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ИНН 303454532, МФО 00401
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Р/с: 20208000400502375001

№ JEC-OUT-23-125 от 13.04.2023

Бухарскому областному управлению
Министерства природных ресурсов
Республики Узбекистан

В целях стимулирования экономического роста страны Правительство Республики Узбекистан через Министерство энергетики поставило задачу увеличить производство электроэнергии в стране до 29,3 ГВт к 2030 году. Одной из целей «Концепции обеспечения Республики Узбекистан электроэнергией на 2020-2030 годы» является разработка и расширение солнечных электростанций. ПАО «Abu Dhabi Future Energy Company» (далее – «Masdar») выиграла тендер Министерства энергетики Республики Узбекистан на проектирование, конструирование, финансирование, строительство, ввод в эксплуатацию и использование, техническое обслуживание и передачу (DBFOMT) фотоэлектрической электростанции «Nur Bukhara Solar», мощностью 250 МВт и 63 МВт / аккумуляторная система хранения энергии на 126 МВтч (BESS) (далее – «Проект», см. местоположение Проекта в Приложении 1). Проект будет реализован в рамках договора о купле-продаже электроэнергии заключенного на 25-лет с АО Национальная электрическая сеть Узбекистана («НЭСУ»). Ожидаемая дата начала строительных работ — 3й квартал 2023 года, ввод объекта в эксплуатацию планируется на 2й квартал 2024 года.

Компания «Masdar» назначила ООО «Juru Energy» консультантом по Оценке экологического и социального воздействия (ОЭСВ) Проекта, требуемой в соответствии с национальными и международными стандартами.

В рамках ОЭСВ Juru Energy консультируется с различными учреждениями, чтобы запросить любые данные или комментарии, которые будут иметь отношение к подготовке ОЭСВ Проекта, особенно в отношении биоразнообразия, экологии и сохранения. В частности, любая информация о нижеследующем будет считаться актуальной и применимой и будет с благодарностью принята:

1. Известно ли Бухарскому областному управлению о каких-либо исследованиях биоразнообразия, которые были проведены вблизи территории Проекта или в радиусе 5 км? В частности, исследования, проведенные в течение последних пяти лет, по местам обитания, видам флоры, млекопитающим/летучим мышам, птицам, рептилиям, рыбам, амфибиям или насекомым?
2. Если да, то сможет ли Бухарское областное управление предоставить имеющиеся данные, результаты исследований, которые будут использованы в рамках проекта ОЭСВ?
3. Может ли Бухарское областное управление дать рекомендации по основным проблемам, с которыми сталкиваются исчезающие виды в Узбекистане на сегодняшний день?
4. Исходя из опыта Бухарского областного управления в области экологии региона, есть ли у Вас какие-либо предварительные комментарии касательно конкретных объектов биоразнообразия, на которые Проект может оказать воздействие?
5. Имеются ли охранные зоны в радиусе 50 км от границ территории Проекта?
6. Если на территории Проекта присутствуют уязвимые виды фауны и/или флоры, может ли Бухарское областное управление сообщить о требованиях по защите этих видов?
7. Пожалуйста, предоставьте любые дополнительные комментарии в отношении Проекта.

Предоставленная Вами информация будет использована Консультантом по экологическим и социальным вопросам исключительно в целях определения потенциальных воздействий Проекта.

Большое спасибо за Вашу помощь, и мы с нетерпением ждем вашего ответа.

Директор **Ж. Исмаилов**

JURU ENERGY CONSULTING

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Juru Energy

Bird life international - Uzbekistan Society for the Protection of Birds

Sent	Response

ООО «Juru Energy Consulting»
100077, г.Ташкент, М.Улугбекский район,
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ИНН 303454532, МФО 00401
Банк: "АТ Aloqabank Atlas KXKM"
Р/с: 20208000400502375001

№ JEC-OUT-23-129 от 13.04.2023

Обществу охраны птиц Узбекистана,
Официальному представителю Bird Life International в Узбекистане

В целях стимулирования экономического роста страны Правительство Республики Узбекистан через Министерство энергетики поставило задачу увеличить производство электроэнергии в стране до 29,3 ГВт к 2030 году. Одной из целей «Концепции обеспечения Республики Узбекистан электроэнергией на 2020-2030 годы» является разработка и расширение солнечных электростанций. ПАО «Abu Dhabi Future Energy Company» (далее – «Masdar») выиграла тендер Министерства энергетики Республики Узбекистан на проектирование, конструирование, финансирование, строительство, ввод в эксплуатацию и использование, техническое обслуживание и передачу (DBFOMT) фотоэлектрической электростанции «Nur Bukhara Solar», мощностью 250 МВт и 63 МВт / аккумуляторная система хранения энергии на 126 МВтч (BESS) (далее – «Проект», см. местоположение Проекта в Приложении 1). Проект будет реализован в рамках договора о купле-продаже электроэнергии заключенного на 25-лет с АО Национальная электрическая сеть Узбекистана («НЭСУ»). Ожидаемая дата начала строительных работ — 3й квартал 2023 года, ввод объекта в эксплуатацию планируется на 2й квартал 2024 года.

Компания «Masdar» назначила ООО «Juru Energy» консультантом по Оценке экологического и социального воздействия (ОЭСВ) Проекта, требуемой в соответствии с национальными и международными стандартами.

В рамках ОЭСВ Juru Energy консультируется с различными учреждениями, чтобы запросить любые данные или комментарии, которые будут иметь отношение к подготовке ОЭСВ Проекта, особенно в отношении биоразнообразия, экологии и сохранения. В частности, любая информация о нижеследующем будет считаться актуальной и применимой и будет с благодарностью принята:

1. Известно ли Обществу охраны птиц Узбекистана, представителю Bird Life International в Узбекистане, о каких-либо исследованиях биоразнообразия, которые были проведены вблизи территории Проекта или в радиусе 5 км от нее? В частности, исследования по местам обитания и птицам, проведенные в течение последних пяти лет?
2. Если да, то сможет ли Общество предоставить имеющиеся данные, результаты исследований, которые будут использованы в рамках ОЭСВ Проекта?
3. Если Общество знакомо с общим экологическим состоянием территории Проекта и/или прилегающего региона, может ли оно предоставить информацию об общем экологическом состоянии территории Проекта и прилегающего региона?
4. Может ли Общество дать рекомендации по основным проблемам, с которыми сталкиваются исчезающие виды в Узбекистане на сегодняшний день?
5. Исходя из опыта общества охраны птиц Узбекистана в области экологии региона, есть ли у Вас какие-либо предварительные комментарии касательно конкретных объектов биоразнообразия, на которые Проект может оказать воздействие?
6. Пожалуйста, предоставьте любые дополнительные комментарии в отношении Проекта.

Предоставленная Вами информация будет использована Консультантом по экологическим и социальным вопросам исключительно в целях определения потенциальных воздействий Проекта.

Большое спасибо за Вашу помощь, и мы с нетерпением ждем вашего ответа.

Директор **Ж. Исмаилов**

JURU ENERGY CONSULTING

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МФО-00451: ИНН 206938959

№ 788-2023

"17" апреля 2023yil

Директору JURY ENERGY
Ж. Исмаилову

В ответ на Ваш запрос № JEC-OUT-23-129 от 13.04.2023 относительно проведения исследований по биоразнообразию для подготовки Оценки экологического и социального воздействия Проекта строительства фотоэлектрической электростанции «Nur Bukhara Solar» мощностью 250 МВт в Алатском районе Бухарской области сообщаем следующее:

Как нам известно, исследования биоразнообразия участка, указанного в Вашем письме, проводились в 2022 году сотрудниками ООО "Nazar Business and Technology" (NBT) по заданию Международной Финансовой Корпорации (IFC). Для получения запрашиваемой информации рекомендуем Вам обратиться к руководству данной компании.

С наилучшими пожеланиями.

Исполнительный директор
Общества охраны птиц Узбекистана, к.б.н. **Р.Д. Кашкаров**

Institute of Botany of the Academy of Sciences of the Republic of Uzbekistan	
Sent	

ООО «Juru Energy Consulting»
100077, г.Ташкент, М.Улугбекский район,
улица Чуст, дом 10А.
ИНН 303454532, МФО 00401
Банк: "АТ Aloqabank Atlas KXKM"
Р/с: 20208000400502375001

№ JEC-OUT-23-126 от 13.04.2023

Институту ботаники при Академии наук
Республики Узбекистан

В целях стимулирования экономического роста страны Правительство Республики Узбекистан через Министерство энергетики поставило задачу увеличить производство электроэнергии в стране до 29,3 ГВт к 2030 году. Одной из целей «Концепции обеспечения Республики Узбекистан электроэнергией на 2020-2030 годы» является разработка и расширение солнечных электростанций. ПАО «Abu Dhabi Future Energy Company» (далее – «Masdar») выиграла тендер Министерства энергетики Республики Узбекистан на проектирование, конструирование, финансирование, строительство, ввод в эксплуатацию и использование, техническое обслуживание и передачу (DBFOMT) фотоэлектрической электростанции «Nur Bukhara Solar», мощностью 250 МВт и 63 МВт / аккумуляторная система хранения энергии на 126 МВтч (BESS) (далее – «Проект», см. местоположение Проекта в Приложении 1). Проект будет реализован в рамках договора о купле-продаже электроэнергии заключенного на 25-лет с АО Национальная электрическая сеть Узбекистана («НЭСУ»). Ожидаемая дата начала строительных работ — 3й квартал 2023 года, ввод объекта в эксплуатацию планируется на 2й квартал 2024 года.

Компания «Masdar» назначила ООО «Juru Energy» Консультантом по Оценке экологического и социального воздействия (ОЭСВ) Проекта, требуемой в соответствии с национальными и международными стандартами. В рамках ОЭСВ Juru Energy консультируется с различными учреждениями, чтобы запросить любые данные или комментарии, которые будут иметь отношение к подготовке ОЭСВ Проекта, особенно в отношении биоразнообразия, экологии и сохранения. В частности, любая информация о нижеследующем будет считаться актуальной и применимой и будет с благодарностью принята:

1. Известно ли Институту ботаники о каких-либо исследованиях по ботанике, которые были проведены вблизи территории Проекта или в радиусе 5 км? В частности, исследования, проведенные в течение последних пяти лет?
2. Если да, то сможет ли Институт ботаники предоставить имеющиеся данные, результаты исследований, которые будут использованы в рамках проекта ОЭСВ?
3. Знаком ли Институт ботаники с общим экологическим состоянием территории Проекта и/или окружающего региона?
4. Может ли Институт ботаники дать рекомендации по основным проблемам, с которыми сталкиваются исчезающие виды в Узбекистане на сегодняшний день?
5. Исходя из опыта Института ботаники в области экологии региона, есть ли у Вас какие-либо предварительные комментарии касательно конкретных объектов биоразнообразия, на которые Проект может оказать воздействие?
6. Пожалуйста, предоставьте любые дополнительные комментарии в отношении Проекта.

Настоящим также сообщаем, что предположительно на территории Проекта могут обитать два редких вида растений, включенных в Красную книгу – Calligonum molle и Calligonum matteianum. Исследования по данным видам планируется провести в июне. В связи с этим, просим Вас дать рекомендации и предложения по этим видам.

Предоставленная Вами информация будет использована Консультантом по Оценке экологического и социального воздействия исключительно в целях определения потенциальных воздействий Проекта.

Большое спасибо за Вашу помощь, и мы с нетерпением ждем вашего ответа.

Директор **Ж. Исмаилов**

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Response

O'ZBEKISTON RESPUBLIKASI FANLAR AKADEMIYASI
BOTANIKA INSTITUTI

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Hisob-kitob raqami № 23402000300100001010, MFO: 00014, STIR: 305079736 OKED: 72190
http://www. botany.uz botany@academy.uz

№187
« 20 » 04. 2023 y **OOO Juru Energy Consulting**

Уважаемый г-н Ж. Исмаилов!

В ответ на запрос ООО Juru Energy Consulting № JEC-OUT-23-126 от 13.04.2023 года о запросе данных или комментариев по биоразнообразию в регионе проекта строительства линий солнечной электростанции «Nur Bukhara Solar» мощностью 250 МВт в Алатском районе Бухарской области, Институт ботаники Академии наук Республики Узбекистан сообщает следующее.

В 2018–2020 гг. Институтом ботаники был выполнен государственный научно-исследовательский проект П3-2017-0919165 «Кадастр редких и исчезающих видов сосудистых растений Навоийской и Бухарской областей». Были составлены полные списки флоры Навоийской и Бухарской областей, списки редких и исчезающих видов, занесенных в Красную книгу Узбекистана и карты их распространения. Результаты исследований были опубликованы в монографиях «Кадастр флоры Узбекистана: Навоийская область» (2019) и «Кадастр флоры Узбекистана: Бухарская область» (2020), которые находятся в открытом доступе в сети интернет на портале ResearchGate (https://www.researchgate.net/). Книга «Кадастр флоры Узбекистана: Бухарская область» (2020) была передана Институтом ботаники ООО «Juru Energy Consulting», что подтверждается Актом о внедрении (использовании) результатов научной и инновационной деятельности. Кроме того, результаты изучения популяций редких и исчезающих видов *Calligonum* в Бухарской области были опубликованы в статье Current state of coenopopulations of some rare species of the genus *Calligonum* L. (Polygonaceae) in the Bukhara region, Uzbekistan (Rakhimova et al., 2020), которая находится в открытом доступе в сети интернет.

Результаты инвентаризации флоры Бухарской области и данные учетов редких и исчезающих видов растений были внесены в формы государственного кадастра растительного мира в соответствии с требованиями Постановления Кабинета Министров РУз «О ведении государственного учета, учета объемов использования и государственного кадастра объектов животного и растительного мира» №914 от 07.11.2018 г. и в установленном порядке переданы в Госкомэкологии РУз (сейчас – Министерство природных ресурсов РУз). Согласно действующему законодательству (ст. 17 Закона РУз «О государственных кадастрах»), информация государственных кадастров органам государственной власти предоставляется бесплатно, а другим юридическим и физическим лицам в установленном порядке, за плату. Кроме того, Согласно ст. 10 Закона РУз «О государственной экологической экспертизе», финансирование государственной экологической экспертизы и экологического аудита осуществляется за счет средств заказчика в порядке, установленном законодательством.

Кроме того, в качестве субподрядчика ООО «ЛУКОЙЛ Узбекистан Оперейтинг Компани» Институт ботаники в период 2016–2020 гг. участвовал в ежегодном экологическом мониторинге нефтегазовых операций на месторождениях «Хаузак» и «Северные Шады» в районе озера Денгизкуль. Однако в соответствии с условиями контракта, полученные данные не могут быть предоставлены третьей стороне.

В 2022 году в рамках контракта с Госкомэкологии РУз Институтом ботаники АН РУз проводились ботанические исследования в Бухарской области с целью инвентаризации флоры охраняемых природных территорий и определения запасов лекарственных растений на землях сельскохозяйственного назначения и землях запаса в соответствии с требованиями Постановления Кабинета Министров РУз «О ведении государственного учета, учета объемов использования и государственного кадастра объектов животного и растительного мира» №914 от 07.11.2018 г. Полученные данные не могут быть предоставлены третьей стороне без согласования с Госкомэкологии РУз.

Институт ботаники АН РУз готов обсудить с ООО «Juru Energy Consulting» возможность и условия заключения договора по оказанию комплексных консультационных услуг по оценке экологического состояния флоры и растительного покрова в проектной зоне строительства солнечной электростанции в Бухарской области. Институт имеет богатый опыт работы по биотическому мониторингу окружающей среды в различных регионах Узбекистана.

С уважением

Директор Института ботаники Академии наук Республики Узбекистан, д.б.н., проф. **Шомуродов Х.Ф.**

Исп. Зав. лаборатории кадастра и мониторинга редких видов растений к.б.н. Бешко Н.Ю.
Тел. +998 71 2623795

Institute of Zoology of the Academy of Sciences of the Republic of Uzbekistan

Sent	Response

Juru Energy

ООО «Juru Energy Consulting»
100077, г.Ташкент, М.Улугбекский район,
улица Чуст, дом 10А.
ИНН 303454532, МФО 00401
Банк: "AT Aloqabank Atlas KXKM"
Р/с: 20208000400502375001

№ JEC-OUT-23-127 от 13.04.2023

Институту зоологии при Академии наук
Республики Узбекистан

В целях стимулирования экономического роста страны Правительство Республики Узбекистан через Министерство энергетики поставило задачу увеличить производство электроэнергии в стране до 29,3 ГВт к 2030 году. Одной из целей «Концепции обеспечения Республики Узбекистан электроэнергией на 2020-2030 годы» является разработка и расширение солнечных электростанций. ПАО «Abu Dhabi Future Energy Company» (далее – «Masdar») выиграла тендер Министерства энергетики Республики Узбекистан на проектирование, конструирование, финансирование, строительство, ввод в эксплуатацию и использование, техническое обслуживание и передачу (DBFOMT) фотоэлектрической электростанции «Nur Bukhara Solar», мощностью 250 МВт и 63 МВт / аккумуляторная система хранения энергии на 126 МВтч (BESS) (далее – «Проект», см. местоположение Проекта в Приложении 1). Проект будет реализован в рамках договора о купле-продаже электроэнергии заключенного на 25-лет с АО Национальная электрическая сеть Узбекистана («НЭСУ»). Ожидаемая дата начала строительных работ — 3й квартал 2023 года, ввод объекта в эксплуатацию планируется на 2й квартал 2024 года.

Компания «Masdar» назначила ООО «Juru Energy» консультантом по Оценке экологического и социального воздействия (ОЭСВ) Проекта, требуемой в соответствии с национальными и международными стандартами.

В рамках ОЭСВ Juru Energy консультируется с различными учреждениями, чтобы запросить любые данные или комментарии, которые будут иметь отношение к подготовке ОЭСВ Проекта, особенно в отношении биоразнообразия, экологии и сохранения. В частности, любая информация о нижеследующем будет считаться актуальной и применимой и будет с благодарностью принята:

1. Известно ли Институту зоологии о каких-либо исследованиях биоразнообразия, которые были проведены вблизи территории Проекта или в радиусе 5 км? В частности, исследования, проведенные в течение последних пяти лет, по местам обитания, млекопитающим/летучим мышам, птицам, рептилиям (например, *Testudo horsfieldti*), рыбам (например, *Pseudoscaphirhynchus kaufmanni, Pseudoscaphirhynchus hermanni*), амфибиям или насекомым?
2. Если да, то сможет ли Институт зоологии предоставить имеющиеся данные, результаты исследований, которые будут использованы в рамках проекта ОЭСВ?
3. Знаком ли Институту зоологии с общим экологическим состоянием территории Проекта и/или окружающего региона?
4. Может ли Институт зоологии дать рекомендации по основным проблемам, с которыми сталкиваются исчезающие виды в Узбекистане на сегодняшний день?
5. Исходя из опыта Института зоологии в области экологии региона, есть ли у Вас какие-либо предварительные комментарии касательно конкретных объектов биоразнообразия, на которые Проект может оказать воздействие?
6. Пожалуйста, предоставьте любые дополнительные комментарии в отношении Проекта.

Предоставленная Вами информация будет использована Консультантом по экологическим и социальным вопросам исключительно в целях определения потенциальных воздействий Проекта.

Большое спасибо за Вашу помощь, и мы с нетерпением ждем вашего ответа.

Директор **Ж. Исмаилов**

JURU ENERGY CONSULTING

Juru Energy

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O'ZBEKISTON RESPUBLIKASI FANLAR AKADEMIYASI
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№ 01-09/200
17-may 2023-yil

OOO Juru Energy Consulting

В ответ на письмо № JEC-OUT-23-127 от 13.04.2023

При этом сообщаем следующее: Институт готов провести обследование проектной территории на предмет обитающих на этой территории животных, включая редкие виды, внесенные в Красную книгу РУз и международные Красные списки и проанализировать доступную имеющуюся информацию по этому вопросу. Предлагаем заключить договор, включающий техническое задание, календарный план и другие необходимые документы.

Директор института **Б.Р. Холматов**

Bukhara State University	
Sent	Response

ООО «Juru Energy Consulting»
100077, г.Ташкент, М.Улугбекский район,
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ИНН 303454532, МФО 00401
Банк: "AT Aloqabank Atlas KXKM"
Р/с: 20208000400502375001

№ JEC-OUT-23-158 от 01.05.2023

Заведующему кафедрой Экологии и биологии
Бухарского государственного университета
Я.Д. Холову

Уважаемый Якуб Давронович!

В целях стимулирования экономического роста страны Правительство Республики Узбекистан через Министерство энергетики поставило задачу увеличить производство электроэнергии в стране до 29,3 ГВт к 2030 году. Одной из целей «Концепции обеспечения Республики Узбекистан электроэнергией на 2020-2030 годы» является разработка и расширение солнечных электростанций. ПАО «Abu Dhabi Future Energy Company» (далее – «Masdar») выиграла тендер Министерства энергетики Республики Узбекистан на проектирование, конструирование, финансирование, строительство, ввод в эксплуатацию и использование, техническое обслуживание и передачу (DBFOMT) фотоэлектрической станции «Nur Bukhara Solar», мощностью 250 МВт и 63 МВт / аккумуляторная система хранения энергии на 126 МВтч (BESS) (далее – «Проект», см. местоположение Проекта в Приложении 1). Проект будет реализован в рамках договора о купле-продаже электроэнергии заключенного на 25-лет с АО Национальная электрическая сеть Узбекистана («НЭСУ»). Ожидаемая дата начала строительных работ — 3й квартал 2023 года, ввод объекта в эксплуатацию планируется на 2й квартал 2024 года.

Компания «Masdar» назначила ООО «Juru Energy» Консультантом по Оценке экологического и социального воздействия (ОЭСВ) Проекта, требуемой в соответствии с национальными и международными стандартами. В рамках ОЭСВ Juru Energy консультируется с различными учреждениями, чтобы запросить любые данные или комментарии, которые будут иметь отношение к подготовке ОЭСВ Проекта, особенно в отношении биоразнообразия, экологии и сохранения. В частности, любая информация о нижеследующем будет считаться актуальной и применимой и будет с благодарностью принята:

1. Известно ли Бухарскому государственному университету (БГУ) о каких-либо исследованиях биоразнообразия, которые были проведены вблизи территории Проекта или в радиусе 5 км? В частности, исследования, проведенные в течение последних пяти лет, по местам обитания, видам флоры (в частности, *Calligonum mole*, *Calligonum matteianum*), млекопитающим/летучим мышам, птицам, рептилиям (в частности, *Testudo horsfieldii*), рыбам (в частности, *Pseudoscaphirhynchus kaufmanni*, *Pseudoscaphirhynchus hermanni*), амфибиям или насекомым?
2. Если да, то сможет ли БГУ предоставить имеющиеся данные, результаты исследований, которые будут использованы в рамках проекта ОЭСВ?
3. Может ли БГУ дать рекомендации по основным проблемам, с которыми сталкиваются исчезающие виды в Узбекистане на сегодняшний день?
4. Исходя из опыта БГУ в области экологии региона, есть ли у Вас какие-либо предварительные комментарии касательно конкретных объектов биоразнообразия, на которые Проект может оказать воздействие?
5. Если на территории Проекта присутствуют уязвимые виды фауны и/или флоры, может ли БГУ сообщить о требованиях по защите этих видов?
6. Имеются ли охранные зоны в радиусе 50 км от границ территории Проекта?
7. Пожалуйста, предоставьте любые дополнительные комментарии в отношении Проекта.

Предоставленная Вами информация будет использована Консультантом по Оценке экологического и социального воздействия исключительно в целях определения потенциальных воздействий Проекта.

Большое спасибо за Вашу помощь, и мы с нетерпением ждем Вашего ответа.

Директор **Ж. Исмаилов**

JURU ENERGY CONSULTING

Исполнитель:
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Тел. +998 97 888 60 11
Тел. +99871 202 04 40
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Amu-Bukhara Canal Department

Sent

Juru Energy

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INN 303454532, MFO 00401
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H/r: 20208000400502375001

№ JEC-OUT-23-164
04.05.2023

Amu-Buxoro mashina kanalidan foydalanish boshqarmasi boshlig'i R.M. Ostanovga

Hurmatli Razzoq Marizayevich!

Abu Dabi Future Energy kompaniyasi DAJ ("Masdar") quvvati 250 MVt o'zgaruvchan tok va 63 MVt quvvatli energiya saqlash akkumulyatori tizimiga ega Nur-Buxoro quyosh fotoelektrik stansiyasi (QFS) Loyihasiga ("Loyiha") nisbatan Amu-Buxoro-1 va Amu-Buxoro-2 nasos stansiyalari suv chiqarish kanallarining muhofaza zonalarini belgilash bo'yicha 2023-yil 27-apreldagi №63 sonli xatingizda keltirilgan takliflaringiz uchun samimiy minnatdorchiligimizni bildiramiz.

Biroq, Loyiha hududi chegaralarini O'zbekiston Respublikasi Energetika vazirligi tomonidan mazkur Loyiha uchun ajratilgan yer maydoniga moslashtirish maqsadida Loyihaga nisbatan suvni muhofaza qilish zonasini 150 m dan 50 m gacha qisqartirish imtiyozini ko'rib chiqishingizni so'raymiz.

QFSning energiya ishlab chiqarish sig'imini maksimal darajada oshirish maqsadida ajratilgan yer maydonidagi quyosh panellarining soni imkon qadar oshirilgan va ularning joylashuvi quyidagilarni inobatga olgan holda optimallashtirilgan: i) Loyiha hududi va kanal o'rtasidagi masofa kamida 50m ni tashkil etishi; ii) Loyiha hududi va uning g'arbiy tomonidagi havo elektr tarmog'i o'rtasidagi masofa 30m ni tashkil etishi; va iii) Loyiha hududiga nisbatan janubdagi qishloq xo'jaligi yerlariga ta'sirni minimallashtirilishi (1-rasm).

Loyihalashtirish bosqichida Loyiha hududi va kanal o'rtasidagi 50m lik masofa kanalga bo'lgan har qanday ta'sirni oldini olish uchun muvofiq masofa deb belgilangan. Xususan, ushbu masofani belgilash jarayonida Loyihaning qurilish va ekspluatatsiya bosqichlaridagi atrof-muhitni ifloslantirish salohiyati, Loyihaning kanal foydalanuvchilariga bo'lgan salbiy ta'sirlari, kanal va qirg'oq bo'yi o'simliklarining ekologik sezgirligi kabi faktorlar ko'rib chiqilgan. Shuningdek, mazkur Loyiha O'zbekistonning yashil iqtisodiyotiga o'tish jarayonini qo'llab-quvvatlashda va qayta tiklanuvchi energiya manbalarini 15 Gvtgacha oshirishda muhim o'rin tutadi.

Kanal yaqinidagi ishlardan himoyani ta'minlash uchun 50m lik bufer masofasi yetarli ekanligini tasdiqlovchi quyidagi fikrlarni ta'kidlaymiz:

1) Atrof-muhit va ijtimoiy baholash ishlari doirasida o'tkazilgan dastlabki tadqiqotlarga ko'ra, kanal va qirg'oq o'simliklarining ekologik sezgirligi o'rtacha yoki past (qo'shimcha ma'lumot keltirilishi mumkin);
2) Loyiha ekspluatatsiyasi bosqichida quyosh panellarini tozalash uchun quruq tozalash usullari qo'llaniladi. QFS faoliyati ifloslantiruvchi moddalarning chiqishiga olib kelmaydi va oqova suvlarini ham hosil qilmaydi.
3) Loyiha ekspluatasiyasi doirasididagi eng faol obyektlar – nimstansiya va energiya saqlash akkumulyatori tizimi Loyiha hududining shimoli-g'arbiy qismida, Loyiha chegarasidan 150m dan ortiq masofada joylashgan. Bundan tashqari, quyosh panellarining joylashuvi turli xil bo'lib, ularning barchasi kanaldan 150m lik masofa maydoniga kirmaydi (2-rasm).
4) QFSni qurish uchun kimyoviy moddalar yoki boshqa ifloslantiruvchi moddalardan foydalanish, qazish ishlarini olib borish minimal darajada talab qilinadi. Yoqilg'i quyish va saqlash joylari Loyiha hududining shimolida, kanal chegarasidan 150 m dan ortiq masofada bo'lishi ta'minlanadi.
5) Kanalni qo'shimcha himoya qilish maqsadida qurilish ishlari boshlanishidan oldin Loyiha hududi chegarasi to'sib qo'yilishi ko'zda tutilgan va shu tarzda qurilish mashinalarining kanalning 50m lik muhofaza zonasiga kirishiga yo'l qo'yilmaydi. Hududni qurilishga tayyorlash va yer qazish ishlari davomida ham changga qarshi maxsus to'siqlar o'rnatiladi.
6) Qurilish faoliyati kanalga ta'sir qilmasligini ta'minlash uchun atrof-muhitni boshqarish bo'yicha xalqaro standartlarga javob beradigan muhandislik, ta'minot va qurilish (EPC) pudratchisi tomonidan batafsil Ekologik va ijtimoiy boshqaruv tizimi (ESMS) amalga oshiriladi. ESMS kanalga ta'sir ko'rsatuvchi chang va cho'kindilarni nazorat qilish kabi ta'sirlarni yumshatish choralarini o'z ichiga oladi.
7) Shuningdek, Loyiha salbiy ta'sirlarini yumshatish choralari samaradorligini oshirish maqsadida qurilish va ekspluatatsiya bosqichlarida kanal suvi sifatini muvofiq chastotada monitoring qilish taklif etilgan (dastlabki suv sifati ko'rsatkichlari Loyiha Atrof-muhit va ijtimoiy ta'sirni baholash jarayonida to'plangan).

Yuqoridagilardan kelib chiqqan holda, suvni muhofaza qilish zonasini qisqartirish taklifni muhokama qilish uchun biz Amu-Buxoro mashina kanalidan foydalanish boshqarmasi vakillari, Abu Dabi Future Energy Company PJSC - Masdar (Loyiha ishlab chiquvchisi) vakillari hamda Juru Energy Consulting (Atrof-muhit va ijtimoiy ta'sirni baholash bo'yicha mahalliy maslahatchi) vakillari bilan 6-may kuni Loyiha hududida yoki siz uchun qulay bo'lgan istalgan joyda rasmiy uchrashuv o'tkazilishi muhim deb hisoblaymiz.

Shu munosabat bilan, Sizdan rasmiy uchrashuv taklifini ko'rib chiqishingiz va bizga xabar berishingizni so'raymiz. Mazkur muhokamanini samarali amalga oshirish uchun har qanday zarur yordam yoki qo'shimcha ma'lumotlarni taqdim etishga tayyorligimizni bildiramiz.

Yordamingiz uchun minnatdormiz va tezkor javobingizni kutib qolamiz.

Hurmat bilan,

Direktor

Jushkinbek Ismailov

Ma'lumot uchun:
Zilola Kazakova +998 90 515 03 92
Dinara Rustami +998 97 888 60 11
E-mail: d.rustami@juruenergy.com

Response	
O'ZBEKISTON RESPUBLIKASI SUV XO'JALIGI VAZIRLIGI Amu-Buxoro mashina kanalidan foydalanish boshqarmasi МИНИСТЕРСТВО ВОДНОГО ХОЗЯЙСТВА РЕСПУБЛИКИ УЗБЕКИСТАН Управление Эксплуатации Аму-Бухарского машинного канала Bizning manzilgoh: Kogon tumani, Tutkunda MFY, SHaxsiy hisob raqami 1000 1086 0062 1970 4240 2170 002, G'azna h/v 2340 2000 3001 0000 1010. MFO 00014, STIR i 201 172 864, OKONX 22 100 MB HKKM Toshkent shaxri filiali banki, tel: 228-71-75, 228-71-79, Faks: 228-71-76 "12" 05 2023 yil № 78 "Juru Energy Conculting" MChJ direktori J.Ismailovga Sizning 04.05.2023 yildagi №JEC-OUT-23-164 sonli xatingizga Abu Dabi Future Energy kompaniyasi DAJ("Masdar") quvvati 250 MVt o'zgaruvchan tok va 63 MVt quvvatli energiya saqlash akkumulyatori tizimiga ega Nur-Buxoro quyosh fotoelektrik stansiyasini (QFS) loyihasiga nisbattan Amu-Buxoro-1 va Amu-Buxoro-2 nasos stansiyalari suv chiqarish kanallarini belgilash bo'yicha bergan takliflaringizni o'rganib chiqib, quyidagi texnik shartlar asosida kanallarning muhofaza zonalari belgilansin. 1. Loyiha hududi kanallarini amaldagi eng yuqori suv sathi belgisidan 70m qilib belgilansin 2. Qurilish ishlari jarayonida kanalning dambalari va nazorat yo'llariga hech qanday xavf ta'sir etmasligi ta'minlansin. ABMK FB boshlig'i: R.M.Ostanov	

Juru Energy

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H/r: 20208000400502375001

№ JEC-OUT-23-144
19.04.2023

Amu-Buxoro mashina kanalidan foydalanish boshqarmasi boshlig'i
R. M. Ostanovga

Hurmatli Razzoq Marizayevich!

Abu Dabi Future Energy kompaniyasi DAJ ("Masdar") quvvati 250 MVt o'zgaruvchan tok va 63 MVt quvvatli energiya saqlash akkumulyatori tizimiga ega Nur-Buxoro quyosh fotoelektrik stansiyasini (QFS) loyihalash, qurish, moliyalashtirish, ishga tushirish va foydalanish, va texnik xizmat ko'rsatishni rejalashtirgan (Loyiha joylashuvi 1-ilovada keltirilgan). Loyiha "O'zbekiston milliy elektr tarmog'i" AJ ("O'MET") bilan 25 yillik elektr energiyasini sotib olish to'g'risidagi shartnomasini imzolash orqali amalga oshiriladi. Qurilish ishlari boshlanishining taxminiy sanasi 2023-yilning 3-choragiga, Loyihani ishga tushirish taxminiy sanasi 2024-yilning 2-choragiga belgilangan.

Milliy va xalqaro standartlar asosida talab qilinadigan ekologik va ijtimoiy ta'sirni baholash (EITB) hisobotini tayyorlash doirasida Masdarning atrof-muhit va ijtimoiy masalalar bo'yicha hududiy Konsultanti – Juru Energy (Toshkent, O'zbekiston) Loyiha doirasidagi ekologik va ijtimoiy izlanishlar, ma'lumotlarni to'plash va tegishli mahalliy hokimiyat organlari bilan maslahatlashuvlar olib bormoqda.

Yuqoridagilarni inobatga olib, Juru Energy "Amu-Buxoro" Irrigatsiya tizimlari havza boshqarmasi bilan EITB hisobotini tayyorlashda zarur bo'ladigan har qanday ma'lumot va izohlarni olish maqsadida maslahatlashuvlar olib bormoqchi. Xususan, Juru Energy sizdan quyidagi savollarga muvofiq ma'lumot olishda amaliy yordam berishingizni so'raydi.

1. Loyiha maydoni shimol, sharq va janubdan Amu-Buxoro kanali bilan o'ralgan (1-ilova). "Amu-Buxoro" Irrigatsiya tizimlari havza boshqarmasi Amu-Buxoro kanali uchun talab qilinadigan suvni muhofaza qilish zonasi o'lchamlarini Loyihaga nisbatan belgilash bo'yicha maslahat bera oladimi?

2. Loyiha doirasida qurilish va ekspluatatisya davrida yer usti suv havzalariga oqova suvlar oqizilishi ko'zda tutilmaganligi, hamda Loyiha hududi atrofidagi suv havzalarida (jumladan, kanal va suv-botqoq hududlari) hech qanday faoliyat olib borilishi rejalashtirilmaganligini inobatga olgan holda, Loyihaga nisbatan suvni muhofaza qilish zonasini minimal o'lchamda belgilash imkoniyati mavjudmi? Agar bunday imkoniyat mavjud bo'lsa, suvni muhofaza qilish zonasining minimal o'lchami necha metrni tashkil etishi mumkin?

3. Loyihaga tegishli har qanday qo'shimcha fikringiz bo'lsa, iltimos bildiring.

Taqdim etilgan barcha ma'lumotlar Loyihaning ekologik va ijtimoiy Konsultanti tomonidan Loyiha ta'sirlarini aniqlash maqsadida foydalaniladi.

Hurmat bilan,
Direktor **Jushkinbek Ismailov**

JURU ENERGY CONSULTING

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Dinara Rustami
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O'ZBEKISTON RESPUBLIKASI SUV XO'JALIGI VAZIRLIGI
Amu-Buxoro mashina kanalidan foydalanish boshqarmasi

МИНИСТЕРСТВО ВОДНОГО ХОЗЯЙСТВА РЕСПУБЛИКИ УЗБЕКИСТАН
Управление Эксплуатации Аму-Бухарского машинного канала

Bizning manzilgoh: Kogon tumani, Tutkunda MFY,
SHaxsiy hisob raqami 1000 1086 0062 1970 4240 2170 002, G'azna h/v 2340 2000 3001 0000 1010. MFO 00014, STIR i 201 172 864, OKONX 22 100 MB HKKM Toshkent shaxri filiali banki, tel: 228-71-75, 228-71-79, Faks: 228-71-76

"27" 04 2023 yil № 63

"Juru Energy Conculting"
MChJ direktori
J.Ismailovga

Sizning 2023 yil 19 apreldagi №JEC-OUT-23-144 sonli xatingizga:

Abu Dabi Future Energy kompaniyasi DAJ("Masdar") quvvati 250 MVt o'zgaruvchan tok va 63 MVt quvvatli energiya saqlash akkumulyatori tizimiga ega Nur-Buxoro quyosh fotoelektrik stansiyasini qurish loyihasi bo'yicha Amu-Buxoro-1 va Amu-Buxoro-2 nasos stansiyalari suv chiqarish kanallarining muhofaza zonalari va ularning o'lchamlarini loyihaga nisbatan belgilash bo'yicha foydalanuvchi tashkilotdan takliflar so'ralgan.

Vazirlar mahkamasining 2019 yil 11 dekabrdagi 981- qaroriga asosan magistral kanallarning muhofaza zonalari belgilangan. Unga ko'ra suv o'tkazish qobiliyati 100 m3/s gacha bo'lgan kanallar uchun 100 m, suv o'tkazish qobiliyati 100 m3/s dan yuqori bo'lgan kanallar uchun muhofaza zonalari 150 m belgilanganligini inobatga olib, loyiha chegarasini muhofaza zonasidan tashqarida belgilanishiga taklif beramiz. Loyiha chegaralarini loyihachilar tomonidan ekspluatatsiya tashkiloti xodimlari ishtirokida aniqlanishini maqsadga muvofiq deb hisoblaymiz.

ABMK FB boshlig'i: **R.M.Ostanov**

Tel: 98.2742704 Sh.Durmatov

Sanitary-epidemiological welfare and public health service of the RUz

Sent	Response

Juru Energy

«Juru Energy Consulting» MChJ
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№ JEC-OUT-23-110, 05.04.2023

O'zbekiston Respublikasi Sanitariya-epidemiologik osoyishtalik va jamoat salomatligi qo'mitasiga

Abu Dabi Future Energy kompaniyasi DAJ ("Masdar") quvvati 250 MVt o'zgaruvchan tok va 63 MVt quvvatli energiya saqlash akkumulyator tizimiga ega Nur-Buxoro quyosh fotoelektrik stansiyasini (QFS) loyihalash, qurish, moliyalashtirish, ishga tushirish va foydalanish, va texnik xizmat ko'rsatishni rejalashtirgan (Loyiha joylashuvi 1-ilovada keltirilgan). Loyiha "O'zbekiston milliy elektr tarmog'i" AJ ("O'MET") bilan 25 yillik elektr energiyasini sotib olish to'g'risidagi shartnomasini imzolash orqali amalga oshiriladi. Qurilish ishlari boshlanishining taxminiy sanasi 2023-yilning 3-choragiga, Loyihani ishga tushirish taxminiy sanasi 2024-yilning 2-choragiga belgilangan.

Milliy va xalqaro standartlar asosida talab qilinadigan atrof muhit va ijtimoiy ta'sirni baholash (AITB) loyihasini tayyorlash doirasida Masdarning atrof muhit va ijtimoiy maslahatchisi Juru Energy (Toshkent, O'zbekiston) Loyiha doirasida ekologik va ijtimoiy izlanishlar, ma'lumotlarni to'plash va tegishli mahalliy hokimiyat organlari bilan maslahatlashuvlar olib bormoqda.

Yuqoridagilarni inobatga olib, Juru Energy Sanitariya-epidemiologik osoyishtalik va jamoat salomatligi qo'mitasi bilan Loyiha haqida ma'lumot berish va Loyihaning Atrof-muhit va ijtimoiy ta'sirni baholash loyihasini tayyorlashda zarur bo'ladigan har qanday ma'lumot va izohlarni olish maqsadida maslahatlashuvlar olib bormoqchi. Xususan, Juru Energy, Sizdan quyidagi savollarga muvofiq ushbu Loyiha va obyektlari uchun sanitariya-himoya zonasi haqida ma'lumot olishda amaliy yordam berishingizni so'raydi.

1. Mahalliy Qonunchilik quyosh fotoelektr stantsiyalari uchun sanitariya muhofaza zonasi mavjudligini nazarda tutadimi? Agar shunday bo'lsa, 250 MVt quvvatga ega quyosh fotoelektr stantsiyasi uchun qanday sanitariya muhofaza zonasi o'rnatilishi kerakligini tasdiqlay olasizmi?
2. 35/220 kV quvvatga ega podstansiya va 63 MVt quvvatga ega energiya saqlash akkumulyator tizimi uchun sanitariya muhofaza zonasini tasdiqlay olasizmi?
3. Biz sizning boshqa sharhlaringizni mamnuniyat bilan qabul qilamiz.

Taqdim etilgan barcha ma'lumotlar Loyihaning ekologik va ijtimoiy konsultanti tomonidan Loyiha ta'sirlarini aniqlash maqsadida foydalaniladi.

Hurmat bilan,
Jushkinbek Ismailov
Direktor
«Juru Energy Consulting» MChJ

O'ZBEKISTON RESPUBLIKASI SANITARIYA-EPIDEMIOLOGIK OSOYISHTALIK VA JAMOAT SALOMATLIGI XIZMATI
SANITARY-EPIDEMIOLOGICAL WELFARE AND PUBLIC HEALTH SERVICE OF THE REPUBLIC OF UZBEKISTAN
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2023 йил "12" апрел
12/20-06839 - сон

"JURU ENERGY CONSULTING" масъулияти чекланган жамиятга

Санитария-эпидемиологик осойишталик ва жамоат саломатлиги қўмитаси Сизнинг 2023 йил 5 апрелдаги JEC-OUT-23-110-сонли хатингизни ўрганиб чиқиб, қуйидагиларни маълум қилади.

Қуёш фотоэлектр станциялари томонидан ишлаб чиқилган электр энергияларини узатиш тармоқлари учун санитария-ҳимоя минтақалари "Юқори кучланишдаги электр узатиш тармоқлари яқинида яшовчи аҳолини ҳавфсизлигини таъминлаш бўйича санитария қоидалари ва меъёрлари тўғрисида"ги 0236-07-сон санитария қоидалари, нормалари ва гигиена нормативларида белгиланган. Ушбу санитария қоидалари, нормалари ва гигиена нормативларида 500 кВгача кучланиш ҳосил қиладиган электр узатиш тармоқлари учун электр майдони кучланиши учун рухсат этилган миқдор белгиланган бўлиб, унга кўра электр майдони кучланиши аҳоли яшайдиган бино ва иншоотларда 0,5 кВ/м., аҳоли яшаш ҳудудларида 1,0 кВ/м., электр узатиш тармоқлари аҳоли яшамайдиган жойларидаги автомобил йўлларини кесиб ўтадиган жойларда 10 кВ/м., 2.3-бандида эса, 500 кВгача кучланиш ҳосил қиладиган электр узатиш тармоқлари учун магнит майдони кучланиши аҳоли яшаш жойларида 80 А/м (100 мкТл) юқори бўлмаслиги белгиланган. Бундан ташқари, 500 кВгача кучланиш ҳосил қиладиган электр узатиш тармоқлари йўналиши бўйича тармоқнинг икки томонида 30 метрдан санитария-ҳимоя зонаси бўлиши назарда тутилган.

Шу билан биргаликда, электр энергияларини узатиш тармоқларининг кучланиш қуввати 750 кВ юқори бўлганда аҳоли яшаш жойларидан 250 метр узоқда бўлиши кўрсатилган.

Юқоридагиларни инобатга олган ҳолда, қуёш фотоэлектр станцияларида электр ва магнит майдонларнинг ташқи муҳитга тарқалиш даражасини ҳисоб-китоблар, электростанциянинг асбоб-ускуналарини ишлаб чиқарувчи корхоналари томонидан тақдим этилган техник паспортлари ёки инструментал таҳлиллар натижалари асосида санитария-ҳимоя зонаси ўлчамлари белгиланишини билдирамиз.

Бошлиқ ўринбосари **Н.Атабеков**

Иҳроҳ: Ж.Тўйчиев
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ID: 389261
Сана: 12.04.2023

Juru Energy

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INN 303454532, MFO 00401
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H/r: 20208000400502375001

№ JEC-OUT-23-325, 27.07.2023

O'zbekiston Respublikasi Sanitariya-epidemiologik osoyishtalik va jamoat salomatligi qo'mitasi boshlig'i B.Q Yusupaliyevga

Quvvati 250 MVt bo'lgan o'zgaruvchan tokli Nur-Buxoro quyosh fotoelektrik stansiyasi (QFS) va 63 MVt quvvatli 2 soat energiya sig'imiga ega batareya ombori loyihasi doirasida, "Juru Energy Consulting" kompaniyasi Sanitariya-epidemiologik osoyishtalik va jamoat salomatligi qo'mitasiga ***2023-yil 05-aprel*** kuni yuborgan ***№JEC-OUT-23-110 sonli*** murojaat xatiga ***O'zbekiston Respublikasi Sanitariya-epidemiologik osoyishtalik va jamoat salomatligi qo'mitasining 2023-yil 12-aprel kuni yo'llangan 12-20-06839-sonli javob xatini oldik. Ushbu javob xatida Qo'mita tomonidan*** quyosh fotoelektr stantsiyalarida elektr va magnit maydonlarning tashqi muhitga tarqalish darajasini hisob-kitoblar, elektrostantsiyaning asbob-uskunalarini ishlab chiqaruvchi korxonalari tomonidan taqdim etilgan texnik pasportlari yoki instrumental tahlillar natijalari asosida sanitariya-himoya zonasi o'lchamlari belgilanishi bildirib o'tilgan.

Mazkur xatga qo'shimcha sifatida, "Juru Energy Consalting" MChJ Sizdan, Loyiha to'grisidagi quyidagi ma'lumotlarni taqdim etadi. Ushbu berilgan ma'lumotlar asosida (1-ilovaga muvofiq taqdim etilmoqda), Quvvati 250 MVt bo'lgan o'zgaruvchan tokli Nur-Buxoro quyosh fotoelektrik stansiyasi (QFS) loyihasi uchun muhofaza xavfsizlik zonasini belgilashda amaliy yordam berishingizni so'raymiz.

Ilova __2-__ varoqda.

Hurmat bilan,

Jo'shqinbek Ismailov
Direktor
«Juru Energy Consulting» MChJ

O'ZBEKISTON RESPUBLIKASI SOG'LIQNI SAQLASH VAZIRLIGI HUZURIDAGI SANITARIYA-EPIDEMIOLOGIK OSOYISHTALIK VA JAMOAT SALOMATLIGI QO'MITASI
SANITARY-EPIDEMIOLOGICAL WELFARE AND PUBLIC HEALTH COMMITTEE UNDER THE MINISTRY OF HEALTH OF THE REPUBLIC OF UZBEKISTAN

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2023 йил "28" июль
12/20-10432 - сон

"JURU ENERGY CONSULTING"
масъулияти чекланган жамият директори
Ж.Исмаиловга

Санитария-эпидемиологик осойишталик ва жамоат саломатлиги қўмитаси Сизнинг 2023 йил 27 июлдаги JEC-OUT-23-325-сон хатингиз бўйича қуйидагиларни маълум қилади.

"Юқори кучланишдаги электр узатиш тармоқлари яқинида яшовчи аҳолини ҳавфсизлигини таъминлаш бўйича санитария қоидалари ва меъёрлари тўғрисида"ги 0236-07-сон санитария қоидалари, нормалари ва гигиена нормативларининг 4.3-бандига мувофиқ, қуввати 250 MVt бўлган электр узатиш тармоқлари учун санитария-ҳимоя зонаси 250 метрда кам бўлмаслиги белгиланганлигини билдирамиз.

Бошлиқ
ўринбосари **Н.Атабеков**

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Тел.: +99878 888 01 01 (025)
ID: 476127
Сана: 28.07.2023

Committee for the development of sericulture and wool industry

Sent

Juru Energy

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H/r: 20208000400502375001

№ JEC-OUT-23-143, 19.04.2023

O'zbekiston Respublikasi ipakcilik va jun sanoatini rivojlantirish qo'mitasiga

Abu Dabi Future Energy kompaniyasi DAJ ("Masdar") quvvati 250 MVt o'zgaruvchan tok va 63 MVt quvvatli 2 soat energiya sig'imiga ega akkumulyator batareyali Nur-Buxoro quyosh fotoelektrik stansiyasini (QFS) loyihalash, qurish, moliyalashtirish, ishga tushirish va foydalanish, va texnik xizmat ko'rsatishni rejalashtirgan (Loyiha joylashuvi 1-ilovada keltirilgan). Loyiha "O'zbekiston milliy elektr tarmog'i" AJ ("O'MET") bilan 25 yillik elektr energiyasini sotib olish to'g'risidagi shartnomasini imzolash orqali amalga oshiriladi. Qurilish ishlari boshlanishining taxminiy sanasi 2023-yilning 3-choragiga, Loyihani ishga tushirish taxminiy sanasi 2024-yilning 2-choragiga belgilangan.

Milliy va xalqaro standartlar asosida talab qilinadigan atrof muhit va ijtimoiy ta'sirni baholash (AITB) loyihasini tayyorlash doirasida Masdarning atrof muhit va ijtimoiy maslahatchisi Juru Energy (Toshkent, O'zbekiston) Loyiha doirasida ekologik va ijtimoiy izlanishlar, ma'lumotlarni to'plash va tegishli mahalliy hokimiyat organlari bilan maslahatlashuvlar olib bormoqda.

Davlat kadastrlar palatasi Buxoro viloyati boshqarmasi bilan olib borilgan maslahatlashuvlarga ko'ra, Loyiha maydoni joylashgan yer, hozirda Ipakchilik va jun sanoatini rivojlantirish qo'mitasiga tegishli 9141- konturda joylashganligi aniqlandi.

Yuqoridagilarni inobatga olib, Juru Energy O'zbekiston Respublikasi ipakcilik va jun sanoatini rivojlantirish qo'mitasi bilan Loyiha haqida ma'lumot berish va Loyihaning Atrof-muhit va ijtimoiy ta'sirni baholash loyihasini tayyorlashda zarur bo'ladigan har qanday ma'lumot va izohlarni olish maqsadida maslahatlashuvlar olib bormoqchi. Xususan, Juru Energy, Sizdan quyidagi jadval va savollarga muvofiq loyiha ta'siri ostida qolayotkan maydon va uning hududidagi yerdan foydalanuvchilar haqida ma'lumot olishda amaliy yordam berishingizni so'raydi.

1. Loyiha maydoni joylashgan yer uchun kadastr hujjatlarini taqdim eta olasizmi?
2. Ushbu maydon uchun yer ijara shartnomasini va yer ajratish to'g'risida hokimiyatning tegishli buyruqini taqdim eta olasizmi?
3. Loyiha maydoni ichidagi yer ikkilamchi ijaraga berilganmi (rasmiy/norasmiy), agar shunday bo'lsa ijarachilarni (yerdan foydalanuvchilarni) ma'lumotlarini, quyidagi jadvalga muvofiq taqdim eta olasizmi?

No	Yerdan foydalanuvchi (FISh)	Faoliyat turi (ekin ekish, yaylov va boshqalar)	Yer uchastkasining hajmi (Yer ijara shartnomasi bo'yicha)	Yer ijara shartnomasi berilgan sana	Yerni ijaraga berish muddati (necha yil)	Yer foydalanuvchilarining aloqa ma'lumotlari

4. Bundan tashqari Loyiha maydonini o'rganish vaqtida, qazilma ishlari olib borilgan ikki maydon aniqlandi (2 ilova). Bu qazilgan maydonlaar to'g'risida ma'lumot taqdim eta olasizmi?

Taqdim etilgan barcha ma'lumotlar Loyihaning ekologik va ijtimoiy konsultanti tomonidan Loyiha ta'sirlarini aniqlash maqsadida foydalaniladi.

Hurmat bilan,
Jushkinbek Ismailov
Direktor
«Juru Energy Consulting» MChJ

JURU ENERGY CONSULTING

Response

IJRO.GOV.UZ тизими орқали ЭРИ билан тасдиқланган, Ҳужжат коди: LR56164216

O'ZBEKISTON RESPUBLIKASI QISHLOQ XO'JALIGI VAZIRLIGI HUZURIDAGI IPAKCHILIK VA JUN SANOATINI RIVOJLANTIRISH QO'MITASI

COMMITTEE FOR THE DEVELOPMENT OF SERICULTURE AND WOOL INDUSTRY UNDER THE MINISTRY OF AGRICULTURE REPUBLIC OF UZBEKISTAN

100170, O'zbekiston Respublikasi, Toshkent sh, Mirzo Ulug'bek tumani, Ismoil ota ko'chasi, 1-a uy.
Tel: (55) 501 44 33 e-mail: info@silkandkarakul.uz, PillaQorakolqomita@exat.uz

2023 yil "15" may **1-1/319-son**

"Juru Energy Consulting" MCHJ

Сизнинг 2023 йил 19 апрелдаги
23-143-сон мурожаатингизга

Abu Dabi Future Energy компанияси DAJ("Masdar") қуввати 250 МВТ ўзгарувчан ток ва 63 МВТ қувватли 2 соат энергия сиғимига эга аккумулятор батареяли Nur-Buxoro қуёш фотоэлектрик станциясини лойиҳалаш, қуриш, молиялаштириш, ишга тушириш ва фойдаланиш ҳамда техник хизматни режалаштирилиши учун сўраб ёзган мурожаатингиз ўрганиб чиқилди.

Мурожаатда сўралаётган мазкур яйлов ер майдонлари Ўзбекистон Республикаси Президентининг 2020 йил 2 сентябрдаги ПФ-6059-сон Фармонига асосан Ипакчилик ва жун саноатини ривожлантириш қўмитасининг доимий эгалигига ўтказиб берилган бўлиб, ушбу яйлов ер майдонлари Қўмита томонидан "BUXORO QORAKO'L KLASTER" МЧЖ қоракўлчилик кластерига узоқ муддатли шартномага асосан (28.10.2020 й., 02-6-сон) ажратиб берилган.

Ўз навбатида, кластер томонидан яйлов ер майдонлари "OLOT QORAKO'LCHILIK" МЧЖга иккиламчи ижара шартномаси асосида фойдаланишга берилган бўлиб, бугунги кунда ушбу яйлов ер майдонларида жамиятнинг чорва моллари боқиб парваришланиб келинаётганлигини маълум қиламиз.

Илова __ варақда

Қўмита раиси **Б. Шарипов**

Uztransgaz JSC

Sent	Response

Juru Energy

«Juru Energy Consulting» MChJ
100077, Toshkent, M.Ulug'bek tumani,
Chust ko'chasi, 10A.
INN 303454532, MFO 00401
Bank: "AT Aloqabank Atlas KXKM"
H/r: 20208000400502375001

№ JEC-OUT-23-111, 05.04.2023

"O'ztransgaz" AJ ga

Abu Dabi Future Energy kompaniyasi DAJ ("Masdar") quvvati 250 MVt o'zgaruvchan tok va 63 MVt quvvatli energiya saqlash akkumulyator tizimiga ega Nur-Buxoro quyosh fotoelektrik stansiyasini (QFS) loyihalash, qurish, moliyalashtirish, ishga tushirish va foydalanish, va texnik xizmat ko'rsatishni rejalashtirgan (Loyiha joylashuvi 1-ilovada keltirilgan). Loyiha "O'zbekiston milliy elektr tarmog'i" AJ ("O'MET") bilan 25 yillik elektr energiyasini sotib olish to'g'risidagi shartnomasini imzolash orqali amalga oshiriladi. Qurilish ishlari boshlanishining taxminiy sanasi 2023-yilning 3-choragiga, Loyihani ishga tushirish taxminiy sanasi 2024-yilning 2-choragiga belgilangan.

Milliy va xalqaro standartlar asosida talab qilinadigan atrof muhit va ijtimoiy ta'sirni baholash (AITB) loyihasini tayyorlash doirasida Masdarning atrof muhit va ijtimoiy maslahatchisi Juru Energy (Toshkent, O'zbekiston) Loyiha doirasida ekologik va ijtimoiy izlanishlar, ma'lumotlarni to'plash va tegishli mahalliy hokimiyat organlari bilan maslahatlashuvlar olib bormoqda.

Yuqoridagilarni inobatga olib, Juru Energy "O'ztransgaz" AJ bilan Loyiha haqida ma'lumot berish va Loyihaning Atrof-muhit va ijtimoiy ta'sirni baholash loyihasini tayyorlashda zarur bo'ladigan har qanday ma'lumot va izohlarni olish maqsadida maslahatlashuvlar olib bormoqchi. Xususan, Juru Energy, Sizdan.quyidagi savollarga muvofiq Loyiha maydoni hududida mavjud gaz quvurlari haqida ma'lumot olishda amaliy yordam berishingizni so'raydi.

1. Loyiha maydonini kesib o'tuvchi gaz quvurlari mavjudmi (jumladan magistral yoki mahalliy)?
2. Agar mavjud bo'lsa, ularning joylashuvi va tavsifi (xususiyatlari, jumladan gazning bosimi va boshqa texnik parametrlari) va tegishli sanitariya himoya zonasi haqida ma'lumot bersangiz.

Taqdim etilgan barcha ma'lumotlar Loyihaning ekologik va ijtimoiy konsultanti tomonidan Loyiha ta'sirlarini aniqlash maqsadida foydalaniladi.

Hurmat bilan,
Jushkubek Ismailov
Direktor
«Juru Energy Consulting» MCHJ

UTG UZTRANSGAZ

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Shahrisabz k., 85a-uy.
Tel.: (+99871) 202-10-60
www.utg.uz, info@utg.uz
uztransgaz@exat.uz

№ 01-11/1-881/1691
2023 yil "20" 04

"Juru Energy Consulting" MChJ direktori J. Ismailovga

"O'ztransgaz" AJ, "Juru Energy Consulting" MChJning 2023-yil 5-apreldagi JEC-OUT-23-111-sonli xati, Zirabuloq MGQB 14-apreldagi 47-02-19/537-sonli xati hamda Kogon MGQBning 2023-yil 18-apreldagi 49-01-11/1-612-sonli xati bilan taqdim etilgan o'rganish dalolatnomasiga asosan Abu Dabi Future Energy kompaniyasi DAJ ("Masdar") tomonidan qurilishi rejalashtirilgan quvvati 250 MVt bo'lgan o'zgaruvchan tok va quvvati 63 MVt bo'lgan energiya saqlash akkamulyator tizimiga ega "Nur-Buxoro" quyosh fotoelektr stansiyasining joylashuv hududidan "O'ztransgaz" AJga tegishli magistral gaz quvurlari o'tmaganligini ma'lum qiladi.

Boshqaruv raisi v.v.b. **A. Isoqjonov**

Hududgaz JSC

Sent

Juru Energy

«Juru Energy Consulting» MChJ
100077, Toshkent, M.Ulug'bek tumani,
Chust ko'chasi, 10A.
INN 303454532, MFO 00401
Bank: "AT Aloqabank Atlas KXKM"
H/r: 20208000400502375001

№ JEC-OUT-23-112, 05.04.2023

"Hududgazta'minot" AJ ga

Abu Dabi Future Energy kompaniyasi DAJ ("Masdar") quvvati 250 MVt o'zgaruvchan tok va 63 MVt quvvatli energiya saqlash akkumulyator tizimiga ega Nur-Buxoro quyosh fotoelektrik stansiyasini (QFS) loyihalash, qurish, moliyalashtirish, ishga tushirish va foydalanish, va texnik xizmat ko'rsatishni rejalashtirgan (Loyiha joylashuvi 1-ilovada keltirilgan). Loyiha "O'zbekiston milliy elektr tarmog'i" AJ ("O'MET") bilan 25 yillik elektr energiyasini sotib olish to'g'risidagi shartnomasini imzolash orqali amalga oshiriladi. Qurilish ishlari boshlanishining taxminiy sanasi 2023-yilning 3-choragiga, Loyihani ishga tushirish taxminiy sanasi 2024-yilning 2-choragiga belgilangan.

Milliy va xalqaro standartlar asosida talab qilinadigan atrof muhit va ijtimoiy ta'sirni baholash (AITB) loyihasini tayyorlash doirasida Masdarning atrof muhit va ijtimoiy maslahatchisi Juru Energy (Toshkent, O'zbekiston) Loyiha doirasida ekologik va ijtimoiy izlanishlar, ma'lumotlarni to'plash va tegishli mahalliy hokimiyat organlari bilan maslahatlashuvlar olib bormoqda.

Yuqoridagilarni inobatga olib, Juru Energy "Hududgazta'minot" AJ bilan Loyiha haqida ma'lumot berish va Loyihaning Atrof-muhit va ijtimoiy ta'sirni baholash loyihasini tayyorlashda zarur bo'ladigan har qanday ma'lumot va izohlarni olish maqsadida maslahatlashuvlar olib bormoqchi. Xususan, Juru Energy, Sizdan.quyidagi savollarga muvofiq Loyiha maydoni hududida mavjud gaz quvurlari haqida ma'lumot olishda amaliy yordam berishingizni so'raydi.

1. Loyiha maydonini kesib o'tuvchi gaz quvurlari mavjudmi (jumladan magistral yoki mahalliy)?
2. Agar mavjud bo'lsa, ularning joylashuvi va tavsifi (xususiyatlari, jumladan gazning bosimi va boshqa texnik parametrlari) va tegishli sanitariya himoya zonasi haqida ma'lumot bersangiz.

Taqdim etilgan barcha ma'lumotlar Loyihaning ekologik va ijtimoiy konsultanti tomonidan Loyiha ta'sirlarini aniqlash maqsadida foydalaniladi.

Hurmat bilan,
Jushkinbek Ismailov
Direktor
«Juru Energy Consulting» MChJ

Response

IJRO.GOV.UZ тизими орқали ЭРИ билан тасдиқланган, Ҳужжат коди: DD03416012

HUDUDGAZ BUXORO
HGT GAZ TA'MINOTI FILIALI

« 11 » 04 2023 y. № 30-02-15-226/1860

"Juru Energy Consulting" MChJga
(2023 yil 5 aprel JEC-OUT-23-112-sonli)

Nusxasi: **"Hududgazta'minot" AJga**

Buxoro viloyatida qurilishi loyihalashtirilayotgan "Nur-Buxoro" quyosh fotoelektrik stansiyasi joylashgan yer maydonlarida "Hududgaz Buxoro" GTFga qarashli yer osti va yer usti gaz tarmoqlari mavjud emasligini ma'lum qilamiz.

Direktor birinchi o'rinbosari **A.Nasretdinov**

Uzbektelecom JSC

Sent	Response

«Juru Energy Consulting» MChJ
100077, Toshkent, M.Ulug'bek tumani,
Chust ko'chasi, 10A.
INN 303454532, MFO 00401
Bank: "AT Aloqabank Atlas KXKM"
H/r: 20208000400502375001

№ JEC-OUT-23-113, 05.04.2023

"O'zbektelekom" AK ga

Abu Dabi Future Energy kompaniyasi DAJ ("Masdar") quvvati 250 MVt o'zgaruvchan tok va 63 MVt quvvatli energiya saqlash akkumulyator tizimiga ega Nur-Buxoro quyosh fotoelektrik stansiyasini (QFS) loyihalash, qurish, moliyalashtirish, ishga tushirish va foydalanish, va texnik xizmat ko'rsatishni rejalashtirgan (Loyiha joylashuvi 1-ilovada keltirilgan). Loyiha "O'zbekiston milliy elektr tarmog'i" AJ ("O'MET") bilan 25 yillik elektr energiyasini sotib olish to'g'risidagi shartnomasini imzolash orqali amalga oshiriladi. Qurilish ishlari boshlanishining taxminiy sanasi 2023-yilning 3-choragiga, Loyihani ishga tushirish taxminiy sanasi 2024-yilning 2-choragiga belgilangan.

Milliy va xalqaro standartlar asosida talab qilinadigan atrof muhit va ijtimoiy ta'sirni baholash (AITB) loyihasini tayyorlash doirasida Masdarning atrof muhit va ijtimoiy maslahatchisi Juru Energy (Toshkent, O'zbekiston) Loyiha doirasida ekologik va ijtimoiy izlanishlar, ma'lumotlarni to'plash va tegishli mahalliy hokimiyat organlari bilan maslahatlashuvlar olib bormoqda.

Yuqoridagilarni inobatga olib, Juru Energy "O'zbektelekom" AK bilan Loyiha haqida ma'lumot berish va Loyihaning Atrof-muhit va ijtimoiy ta'sirni baholash loyihasini tayyorlashda zarur bo'ladigan har qanday ma'lumot va izohlarni olish maqsadida maslahatlashuvlar olib bormoqchi. Xususan, Juru Energy, Sizdan.quyidagi savollarga muvofiq Loyiha maydoni hududida mavjud aloqa kabellari haqida ma'lumot olishda amaliy yordam berishingizni so'raydi.

1. Loyiha maydoninidan o'tuvchi optik tolali yoki boshqa turdagi aloqa kabellari mavjudmi?
2. Agar mavjud bo'lsa, ularning joylashuvi va tavsifi va tegishli sanitariya himoya zonasi haqida ma'lumot bersangiz.

Taqdim etilgan barcha ma'lumotlar Loyihaning ekologik va ijtimoiy konsultanti tomonidan Loyiha ta'sirlarini aniqlash maqsadida foydalaniladi.

Hurmat bilan,
Jushkinbek Ismailov
Direktor
«Juru Energy Consulting» MChJ

UZTELECOM
O'ZBEKTELEKOM AKSIYADORLIK KOMPANIYASI
100011, Toshkent sh., A. Navoiy ko'chasi, 28A uy info@uztelecom.uz
(+998 71) 239 23 12 (+998 71) 236 01 88 uztelecom.uz

27-02-12/1256 -son
2023y. "20" 04

"Juru Energy Consulting" MChJga

2023-yil 5-apreldagi
JEC-OUT-23-113-son xatga oid

Buxoro viloyati, Olot tumani, "Qirlishon" MFY hududida quyosh fotoelektrik stansiyasini qurilishi rejalashtirilgan yer maydonida "O'zbektelekom" AK tasarrufidagi aloqa kabellar va aloqa inshootlari mavjud emasligini ma'lum qilamiz.

Shuningdek, ushbu hududda "China Nuclear Industry 22nd construction CO., LTD" korxonasiga tegishli havo aloqa liniyasi orqali tashkil etilgan optik tolali aloqa kabeli mavjudligini bildiramiz.

Boshqaruv raisining birinchi o'rinbosari J. Aripov

Notification to Bukhara region municipality on conducting Public hearing

Sent

Juru Energy

OOO «Juru Energy Consulting»
100077, г.Ташкент, М.Улугбекский район,
улица Чуст, дом 10А.
ИНН 303454532, МФО 00401
Банк: "AT Aloqabank Atlas KXKM"
Р/с: 20208000400502375001

№ JEC-OUT-23-123
12.04.2023.

Buxoro viloyati
hokimi K.B.Zaripovga

Hurmatli Botir Kamilovich !

Abu Dabi Future Energy kompaniyasi DAJ ("Masdar") quvvati 250 MVt o'zgaruvchan tok va 63 MVt va 2 soat energiya sig'imiga ega Nur-Buxoro quyosh fotoelektrik stansiyasini (QFS) loyihalash, qurish, moliyalashtirish, ishga tushirish va foydalanish, va texnik xizmat ko'rsatishni rejalashtirgan (Loyiha joylashuvi 1-ilovada keltirilgan). Loyiha "O'zbekiston milliy elektr tarmog'i" AJ ("O'MET") bilan 25 yillik elektr energiyasini sotib olish to'g'risidagi shartnomasini imzolash orqali amalga oshiriladi. Qurilish ishlari boshlanishining taxminiy sanasi 2023-yilning 3-choragiga, Loyihani ishga tushirish taxminiy sanasi 2024-yilning 2-choragiga belgilangan.

O'zbekiston Respublikasi Vazirlar Mahkamasining 07.09.2020 yildagi 541-sonli "Atrof-muhitga ta'sirni baholash mexanizmini yanada takomillashtirish to'g'risida"gi qaroriga muvofiq, Atrof muhit va ijtimoiy ta'sirni baholash jarayoni doirasida jamoat eshittiruvini o'tkazish talablarini bajarish maqsadida, joriy yilning 18-aprel kuni Olot tumani hokimlik binosida tegishli manfaatdor tashkilotlar ishtirokida, shuningdek, Kirlishon va Ko'lchovdir mahalla fuqarolar yig'ini aholisi faollari ishtirokida mahalla binosida o'tkazish rejalashtirilgan.

Shu munosabat bilan, Sizdan, mazkur jamoatchilik uchrashuvlarini tegishli vakillar ishtirokida belgilangan muddatlarda tashkil etishda amaliy yordam berishingizni so'raymiz.

Hamkorligingiz va ko'magingiz uchun minnatdorchilik bildiramiz.

Jamoatchilik uchrashuvlari o'tkazish jadvali 2-ilovaga muvofiq taqdim etilmoqda.

Ilova 2 varoqda.

Hurmat bilan,

Jushqinbek Ismailov

Direktor

Juru Energy Consulting MChJ

JURU ENERGY CONSULTING

Ijrochi: Zilola Kazakova
Mob: +998905150392

Notification letters to Alat district municipality on conducting public hearings

Sent

Juru Energy

ООО «Juru Energy Consulting»
100077, г.Ташкент, М.Улугбекский район,
улица Чуст, дом 10А.
ИНН 303454532, МФО 00401
Банк: "АТ Aloqabank Atlas KXKM"
Р/с: 20208000400502375001

№ JEC-OUT-23-130
14.04.2023.

Olot tumani hokimi
N. I. Nematovaga

Hurmatli Nargiza Isamiddinovna

Abu Dabi Future Energy kompaniyasi DAJ ("Masdar") quvvati 250 MVt o'zgaruvchan tok va 63 MVt quvvatli 2 soat energiya sig'imiga ega akkumulyator batareyali Nur-Buxoro quyosh fotoelektrik stansiyasini (QFS) loyihalash, qurish, moliyalashtirish, ishga tushirish va foydalanish, va texnik xizmat ko'rsatishni rejalashtirgan (Loyiha joylashuvi 1-ilovada keltirilgan). Loyiha "O'zbekiston milliy elektr tarmog'i" AJ ("O'MET") bilan 25 yillik elektr energiyasini sotib olish to'g'risidagi shartnomasini imzolash orqali amalga oshiriladi. Qurilish ishlari boshlanishining taxminiy sanasi 2023-yilning 3-choragiga, Loyihani ishga tushirish taxminiy sanasi 2024-yilning 2-choragiga belgilangan.

Milliy va xalqaro standartlar asosida talab qilinadigan atrof muhit va ijtimoiy ta'sirni baholash (AITB) loyihasini tayyorlash doirasida Masdarning atrof muhit va ijtimoiy maslahatchisi Juru Energy (Toshkent, O'zbekiston) Loyiha doirasida ekologik va ijtimoiy izlanishlar, ma'lumotlarni to'plash va tegishli mahalliy hokimiyat organlari bilan maslahatlashuvlar olib bormoqda.

Mazkur Loyiha doirasida ijtimoiy masalalar bo`yicha tadqiqot-o'rganish ishlari yuzasidan Loyiha maydoniga eng yaqin joylashgan aholi punktlarida ijtimoiy-iqtisodiy savolnoma o'tkazilishi rejalashtirilganligini ma'lum qilamiz.

Shu munosabat bilan, Sizdan, joriy yilning 17-23 Aprel kunlari Loyiha yuzasidan amalga oshiriladigan o'rganish ishlarida va savolnoma o'tkazilishi bo'yicha loyiha maydoniga eng yaqin joylashgan Olot tuman tarkibiga kiruvchi "Kirlishon" va "Kulchovdur" MFY raislarini xabardor etishda amaliy yordam berishingizni so'raymiz.

Hamkorligingiz va ko'magingiz uchun minnatdorchilik bildiramiz.

Hurmat bilan,

Jushqinbek Ismailov
Direktor

Juru Energy Consulting MChJ

Ma'lumot uchun:
Asadbek Nabiev
Tel.: +998911012779
Email: a.nabiev@juruenergy.com

Juru Energy

ООО «Juru Energy Consulting»
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улица Чуст, дом 10А.
ИНН 303454532, МФО 00401
Банк: "АТ Aloqabank Atlas KXKM"
Р/с: 20208000400502375001

№ JEC-OUT-23-154
29.04.2023

Buxoro viloyati
Olot tumani hokimi N.I.Ne'matovaga

Hurmatli Nargiza Isamiddinovna!

Abu Dabi Future Energy kompaniyasi DAJ ("Masdar") quvvati 250 MVt o'zgaruvchan tok Nur-Buxoro quyosh fotoelektrik stansiyasini (QFS) va 63 MVt quvvatli 2 soat energiya sig'imiga ega batareya omborini loyihalash, qurish, moliyalashtirish, ishga tushirish va foydalanish va texnik xizmat ko'rsatishni rejalashtirgan. Loyiha "O'zbekiston milliy elektr tarmog'i" AJ ("O'MET") bilan 25 yillik elektr energiyasini sotib olish to'g'risidagi shartnomasini imzolash orqali amalga oshiriladi. Qurilish ishlari boshlanishining taxminiy sanasi 2023-yilning 3-choragiga, Loyihani ishga tushirish taxminiy sanasi 2024-yilning 2-choragiga belgilangan.

"Juru Energy Konsalting" MCHJ Masdar kompaniyasiga Nur-Buxoro quyosh fotoelektrik stansiyasi (QFS) loyihasi doirasida rejalashtirilgan barcha uchrashuv va hisobotlarni tayyorlashda ko'maklashmoqda.

Mazkur Loyihaning "Atrof muhit va ijtimoiy ta'sirini baholash" (AITB) hisobotini tayyorlash doirasida Halqaro Moliya Institutlarining talablariga ko'ra, Loyihaning manfaatdor tomonlari va Loyiha hududiga eng yaqin joylashgan Kirlishon va Ko'lchovdur mahalla fuqarolar yig'ini aholisi o'rtasida "Atrof-muhit va ijtimoiy ta'sirini baholash" hisoboti yuzasidan taqdimot o'tkazishga ma'lumotlarini oshkor etish va jamostchilik uchrashuvi o'tkazish belgilangan.

Shu munosabat bilan, Sizdan, joriy yilning 5 may kuni jamoatchilik uchrashuvlarini quyidagi 2-ilovaga muvofiq tashkil etishda amaliy yordam berishingizni so'raymiz.

Loyiha hududi (1-ilova) va jamoatchilik uchrashuvlarini (2-ilova) o'tkazish jadvali quyidagi ilovaga muvofiq taqdim etilmoqda.

Ilova 2 varoqda.

Hurmat bilan,

Direktor

Jo'shqinbek Ismoilov
"Juru Energy Konsalting" MCHJ

Ma'lumot uchun:
Zilola Kazakova
e-mail: z.kazakova@juruenergy.com
Mob: +998905150392

Juru Energy

Juru

ООО «Juru Energy Consulting»
100077, г.Ташкент, М.Улугбекский район,
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ИНН 303454532, МФО 00401
Банк: "AT Aloqabank Atlas KXKM"
Р/с: 20208000400502375001

№ JEC-OUT-23-383
24.08.2023

Buxoro viloyati
Olot tumani hokimi
N.I.Ne'matovaga

Hurmatli Nargiza Isamiddinovna!

Abu Dabi Future Energy kompaniyasi DAJ ("Masdar") quvvati 250 MVt o'zgaruvchan tok va 63 MVt quvvatli 2 soat energiya sig'imiga ega akkumulyator batareyali Nur-Buxoro quyosh fotoelektrik stansiyasini (QFS) loyihalash, qurish, moliyalashtirish, ishga tushirish va foydalanish, va texnik xizmat ko'rsatishni rejalashtirgan. Loyiha "O'zbekiston milliy elektr tarmog'i" AJ ("O'MET") bilan 25 yillik elektr energiyasini sotib olish to'g'risidagi shartnomasini imzolash orqali amalga oshiriladi. Qurilish ishlari boshlanishining taxminiy sanasi 2023-yilning 3-choragiga, Loyihani ishga tushirish taxminiy sanasi 2024-yilning 2-choragiga belgilangan.

"Juru Energy Konsalting" MCHJ Masdar kompaniyasiga Nur-Buxoro quyosh fotoelektrik stansiyasi (QFS) loyihasi doirasida rejalashtirilgan barcha uchrashuv va hisobotlarni tayyorlashda ko'maklashmoqda.

Loyihaning Turmush tarzini tiklash rejasi (TTTR) hujjati doirasida olib borilgan barcha ishlar va jarayonlarni o'rganishdan olingan natijalar yuzasidan tegishli tashkilotlar vakillari bilan uchrashuv o'tkazish va loyiha ta'siri doirasidagi xonadonlar va loyiha ta'siri doirasidagi shaxslarga turmush tarzini tiklash vositalari uchun belgilangan ko'mak yuzasidan uchrashuv o'tkazish belgilangan. Mazkur uchrashuvda loyihaning amalga oshishiga ko'maklashuvchi xalqaro moliya tashkilotlari vakillarining loyiha maydoniga tashrif buyurishi va uchrashuvlarda ishtirok etishi rejalashtirilgan.

Shu munosabat bilan, Sizdan, joriy yilning 29-avgust kuni Olot tumani tegishli manfaatdor tashkilot vakillari va belgilangan mahalla aholisi bilan o'tkazilishi rejalashtirilgan uchrashuvlarni quyidagi ilovada keltirilgan jadvalga asosan tashkil etishda amaliy yordam berishingizni so'raymiz (1-ilova).

Hurmat bilan,

Jo'shqinbek Ismailov

Direktor

«Juru Energy Consulting» MCHJ

Ijrochi:
Asadbek Nabiev
a.nabiev@juru.org
Tel: (+998) 91 101 27 79

Juru Energy

ООО «Juru Energy Consulting»
100077, г.Ташкент, М.Улугбекский район,
улица Чуст, дом 10А.
ИНН 303454532, МФО 00401
Банк: "AT Aloqabank Atlas KXKM"
Р/с: 20208000400502375001

№ JEC-OUT-23-183
24.05.2023.

Buxoro viloyati
Olot tumani hokimi
N.I.Ne'matovaga

Hurmatli Nargiza Isamiddinovna !

Abu Dabi Future Energy kompaniyasi DAJ ("Masdar") quvvati 250 MVt o'zgaruvchan tok va 63 MVt quvvatli 2 soat energiya sig'imiga ega akkumulyator batareyali Nur-Buxoro quyosh fotoelektrik stansiyasini (QFS) loyihalash, qurish, moliyalashtirish, ishga tushirish va foydalanish, va texnik xizmat ko'rsatishni rejalashtirgan (Loyiha joylashuvi 1-ilovada keltirilgan). Loyiha "O'zbekiston milliy elektr tarmog'i" AJ ("O'MET") bilan 25 yillik elektr energiyasini sotib olish to'g'risidagi shartnomasini imzolash orqali amalga oshiriladi. Qurilish ishlari boshlanishining taxminiy sanasi 2023-yilning 3-choragiga, Loyihani ishga tushirish taxminiy sanasi 2024-yilning 2-choragiga belgilangan.

"Juru Energy Konsalting" MCHJ Masdar kompaniyasiga Nur-Buxoro quyosh fotoelektrik stansiyasi (QFS) loyihasi doirasida rejalashtirilgan barcha uchrashuv va hisobotlarni tayyorlashda ko'maklashmoqda.

Mazkur Loyihaning "Atrof-muhit va ijtimoiy ta'sirini baholash" (AITB) hisoboti doirasida o'rganilgan ma'lumotlarni oshkor etish yuzasidan Loyihaning manfaatdor tomonlari va Loyiha hududiga yaqin joylashgan Kirlishon va Ko'lchovdur mahalla fuqarolar yig'ini aholisi o'rtasida jamoatchilik uchrashuvi o'tkazish belgilangan.

Shu munosabat bilan, Sizdan, joriy yilning 30-31 may kunlari quyidagi ilovada keltirilgan jadvalga asosan Olot tumanining tegishli tashkilot vakillari va belgilangan mahalla aholisi bilan o'tkazilishi rejalashtirilgan uchrashuvlarni tashkil etishda amaliy yordam berishingizni so'raymiz (1-ilova).

Hurmat bilan,

Jushkinbek Ismailov

Direktor

«Juru Energy Consulting» MCHJ

"Alat Qoraqolchilik" LLC	
Sent	

Juru Energy

OOO «Juru Energy Consulting»
100077, г.Ташкент, М.Улугбекский район,
улица Чуст, дом 10А.
ИНН 303454532, МФО 00401
Банк: "AT Aloqabank Atlas KXKM"
Р/с: 20208000400502375001

№ JEC-OUT-23-182
24.05.2023.

"Olot Qorako'lchilik" MChJ rahbari.
Hamroyev Z.Tga

Hurmatli Zubaydullo Turayevich!

Abu Dabi Future Energy kompaniyasi DAJ ("Masdar") quvvati 250 MVt o'zgaruvchan tok va 63 MVt quvvatli 2 soat energiya sig'imiga ega akkumulyator batareyali Nur-Buxoro quyosh fotoelektrik stansiyasini (QFS) loyihalash, qurish, moliyalashtirish, ishga tushirish va foydalanish, va texnik xizmat ko'rsatishni rejalashtirgan (Loyiha joylashuvi 1-ilovada keltirilgan). Loyiha "O'zbekiston milliy elektr tarmog'i" AJ ("O'MET") bilan 25 yillik elektr energiyasini sotib olish to'g'risidagi shartnomasini imzolash orqali amalga oshiriladi. Qurilish ishlari boshlanishining taxminiy sanasi 2023-yilning 3-choragiga, Loyihani ishga tushirish taxminiy sanasi 2024-yilning 2-choragiga belgilangan.

Milliy va xalqaro standartlar asosida talab qilinadigan atrof muhit va ijtimoiy ta'sirni baholash (AITB) loyihasini tayyorlash doirasida Masdarning atrof muhit va ijtimoiy maslahatchisi Juru Energy (Toshkent, O'zbekiston) Loyiha doirasida ekologik va ijtimoiy izlanishlar, ma'lumotlarni to'plash va tegishli mahalliy hokimiyat organlari bilan maslahatlashuvlar olib bormoqda.

Juru Energy konsalting kompaniyasi mazkur Loyihaning ***Turmush darajasini tiklash rejasi*** doirasida "Kirlishon" MFY aholisi bilan o'tkazilgan so'rovnomalar jarayonida mahalla aholisi "Olot Qorako'lchilik" MChJ bilan og'zaki shartnoma asosida loyiha uchun belgilangan hududdan shaxsiy va chakana chorva mollarini (kichik va katta shoxli) o'tlatishi ma'lum bo'ldi.

Mahalla aholisi uchun muqobil yerlarning koordinatalarini taqdim etish va quyida keltirilgan vaqtinchalik yerdan foydalanuvchilar ro'yxatini tasdiqlashda amaliy yordam berishingizni so'raymiz (1-ilova).

Hamkorligingiz va ko'magingiz uchun minnatdorchilik bildiramiz.

Hurmat bilan,

Jushqinbek Ismailov

Direktor

«Juru Energy Consulting» MChJ

Amu-Bukhara machine canal

Sent	Response

Juru Energy

«Juru Energy Consulting» MChJ
100077, Toshkent, M.Ulug'bek tumani,
Chust ko'chasi, 10A.
INN 303454532, MFO 00401
Bank: "AT Aloqabank Atlas KXKM"
H/r: 20208000400502375001

№ JEC-OUT-23-164
04.05.2023

Amu-Buxoro mashina kanalidan foydalanish boshqarmasi boshlig'i R.M. Ostanovga

Hurmatli Razzoq Marizayevich!

Abu Dabi Future Energy kompaniyasi DAJ ("Masdar") quvvati 250 MVt o'zgaruvchan tok va 63 MVt quvvatli energiya saqlash akkumulyatori tizimiga ega Nur-Buxoro quyosh fotoelektrik stansiyasi (QFS) Loyihasiga ("Loyiha") nisbatan Amu-Buxoro-1 va Amu-Buxoro-2 nasos stansiyalari suv chiqarish kanallarining muhofaza zonalarini belgilash bo'yicha 2023-yil 27-apreldagi №63 sonli xatingizda keltirilgan takliflaringiz uchun samimiy minnatdorchiligimizni bildiramiz.

Biroq, Loyiha hududi chegaralarini O'zbekiston Respublikasi Energetika vazirligi tomonidan mazkur Loyiha uchun ajratilgan yer maydoniga moslashtirish maqsadida Loyihaga nisbatan suvni muhofaza qilish zonasini 150 m dan 50 m gacha qisqartirish imtiyozini ko'rib chiqishingizni so'raymiz.

QFSning energiya ishlab chiqarish sig'imini maksimal darajada oshirish maqsadida ajratilgan yer maydonidagi quyosh panellarining soni imkon qadar oshirilgan va ularning joylashuvi quyidagilarni inobatga olgan holda optimallashtirilgan: i) Loyiha hududi va kanal o'rtasidagi masofa kamida 50m ni tashkil etishi; ii) Loyiha hududi va uning g'arbiy tomonidagi havo elektr tarmog'i o'rtasidagi masofa 30m ni tashkil etishi; va iii) Loyiha hududiga nisbatan janubdagi qishloq xo'jaligi yerlariga ta'sirni minimallashtirilishi (1-rasm).

Loyihalashtirish bosqichida Loyiha hududi va kanal o'rtasidagi 50m lik masofa kanalga bo'lgan har qanday ta'sirni oldini olish uchun muvofiq masofa deb belgilangan. Xususan, ushbu masofani belgilash jarayonida Loyihaning qurilish va ekspluatatsiya bosqichlaridagi atrof-muhitni ifloslantirish salohiyati, Loyihaning kanal foydalanuvchilariga bo'lgan salbiy ta'sirlari, kanal va qirg'oq bo'yi o'simliklarining ekologik sezgirligi kabi faktorlar ko'rib chiqilgan. Shuningdek, mazkur Loyiha O'zbekistonning yashil iqtisodiyotiga o'tish jarayonini qo'llab-quvvatlashda va qayta tiklanuvchi energiya manbalarini 15 Gvtgacha oshirishda muhim o'rin tutadi.

Kanal yaqinidagi ishlardan himoyani ta'minlash uchun 50m lik bufer masofasi yetarli ekanligini tasdiqlovchi quyidagi fikrlarni ta'kidlaymiz:

1) Atrof-muhit va ijtimoiy baholash ishlari doirasida o'tkazilgan dastlabki tadqiqotlarga ko'ra, kanal va qirg'oq o'simliklarining ekologik sezgirligi o'rtacha yoki past (qo'shimcha ma'lumot keltirilishi mumkin);
2) Loyiha ekspluatatsiyasi bosqichida quyosh panellarini tozalash uchun quruq tozalash usullari qo'llaniladi. QFS faoliyati ifloslantiruvchi moddalarning chiqishiga olib kelmaydi va oqova suvlarini ham hosil qilmaydi.

Ma'lumot uchun:
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Dinara Rustami +998 97 888 60 11
E-mail: d.rustami@juruenergy.com

OZBEKISTON RESPUBLIKASI
SUV XOJALIGI VAZIRLIGI
Amu-Buxoro mashina kanalidan foydalanish boshqarmasiga qarashli Amu-Buxoro mashina kanali Olot tuman boshqarmasi

ВОДНОГО ХОЗЯЙСТВА
РЕСПУБЛИКИ УЗБЕКИСТАН
Алатское районное управление
Аму-Бухарского машинного канала при Управлении эксплуатации
Аму-Бухарского машинного канала

БУХОРО ВИЛОЯТИ ОЛОТ ШАХРИ, ОЛОТ ШОҲ, 8-ЧАСН-172 УЙ
ТЕЛ:ФОКС/ФАКС 8 365 34-21-349, 34-21-305
Х/Р 10001086006204704240217000 2, МАРКАЗИЙ БАНК ТОШКЕНТ Ш.
ХКМ ИЛ.К.К. КОД:00014 ИНН:201365616 ХХТУТ:22100

№172 STREET OLOT CITY BUKARA REGION
TEL(FAX): 8 365 34-21-349, 34-21-305
THE BILL: 10001086006204704240217000 2, CENTRAL BANK TASHKENT CITI
CODE: 00014, NR: 201365616, CODE CAREER: 22100.

«19» 05 2023 й. № 76

"JURU Energy Consulting" МЧЖ директори Ж.Исмаиловга

Сизнинг 04.05.2023-йилдаги №GEC-OUT-23-164 сонли хатингизга жавобан шуни ёзиб маълум киламизки, тасарруфимиздаги Аму-Бухоро-1 ва Аму-Бухоро-2 насос станциялари сув чикариш каналлар магистрал канал хисобланиб, ушбу каналларнинг сув утказиш кобилияти 140-170 м3/секундни ташкил килади.

Сиз келтирган сабаб ва таклифларни урганиб чикиб куйидагиларни маълум киламиз.

Юкорида айтганимиздек ушбу каналлар магистрал каналлар булганлиги сабабли доимий равишда назорат килиниб тозалаш таъмирлаш-тиклаш ишлари олиб борилади.

Рахбарлигингиз остида курилаётган объект "Ахамият"ли объект хисобланиб келгусида курикланувчи объектлар сирасига киргандан сунг каналларнинг доимий равишда назорат килиниб, тозалаш таъмирлаш-тиклаш ишларини олиб боришда турли тускинликлар булмаслиги учун каналларнинг инспекторлик йулларни лойиха буйича ушлаб туриш ва зарар етказмаслик шарти билан каналнинг максимал сув сатхи(АБК-2 г.в. 234.5)да киргок отметкасидан 70 метр узокликда чегара худудини белгилашингизга рухсат берилади.

АБМК Олот туман бошкармаси:- **Ш.Б.Дурматов**

3) Loyiha ekspluatasiyasi doirasididagi eng faol obyektlar – nimstansiya va energiya saqlash akkumulyatori tizimi Loyiha hududining shimoli-g'arbiy qismida, Loyiha chegarasidan 150m dan ortiq masofada joylashgan. Bundan tashqari, quyosh panellarining joylashuvi turli xil bo'lib, ularning barchasi kanaldan 150m lik masofa maydoniga kirmaydi (2-rasm).
4) QFSni qurish uchun kimyoviy moddalar yoki boshqa ifloslantiruvchi moddalardan foydalanish, qazish ishlarini olib borish minimal darajada talab qilinadi. Yoqilg'i quyish va saqlash joylari Loyiha hududining shimolida, kanal chegarasidan 150 m dan ortiq masofada bo'lishi ta'minlanadi.
5) Kanalni qo'shimcha himoya qilish maqsadida qurilish ishlari boshlanishidan oldin Loyiha hududi chegarasi to'sib qo'yilishi ko'zda tutilgan va shu tarzda qurilish mashinalarining kanalning 50m lik muhofaza zonasiga kirishiga yo'l qo'yilmaydi. Hududni qurilishga tayyorlash va yer qazish ishlari davomida ham changga qarshi maxsus to'siqlar o'rnatiladi.
6) Qurilish faoliyati kanalga ta'sir qilmasligini ta'minlash uchun atrof-muhitni boshqarish bo'yicha xalqaro standartlarga javob beradigan muhandislik, ta'minot va qurilish (EPC) pudratchisi tomonidan batafsil Ekologik va ijtimoiy boshqaruv tizimi (ESMS) amalga oshiriladi. ESMS kanalga ta'sir ko'rsatuvchi chang va cho'kindilarni nazorat qilish kabi ta'sirlarni yumshatish choralarini o'z ichiga oladi.
7) Shuningdek, Loyiha salbiy ta'sirlarini yumshatish choralari samaradorligini oshirish maqsadida qurilish va ekspluatatsiya bosqichlarida kanal suvi sifatini muvofiq chastotada monitoring qilish taklif etilgan (dastlabki suv sifati ko'rsatkichlari Loyiha Atrof-muhit va ijtimoiy ta'sirni baholash jarayonida to'plangan).

Yuqoridagilardan kelib chiqqan holda, suvni muhofaza qilish zonasini qisqartirish taklifni muhokama qilish uchun biz Amu-Buxoro mashina kanalidan foydalanish boshqarmasi vakillari, Abu Dabi Future Energy Company PJSC - Masdar (Loyiha ishlab chiquvchisi) vakillari hamda Juru Energy Consulting (Atrof-muhit va ijtimoiy ta'sirni baholash bo'yicha mahalliy maslahatchi) vakillari bilan 6-may kuni Loyiha hududida yoki siz uchun qulay bo'lgan istalgan joyda rasmiy uchrashuv o'tkazilishi muhim deb hisoblaymiz.

Shu munosabat bilan, Sizdan rasmiy uchrashuv taklifini ko'rib chiqishingiz va bizga xabar berishingizni so'raymiz. Mazkur muhokamanini samarali amalga oshirish uchun har qanday zarur yordam yoki qo'shimcha ma'lumotlarni taqdim etishga tayyorligmizni bildiramiz.

Yordamingiz uchun minnatdormiz va tezkor javobingizni kutib qolamiz.

Hurmat bilan,

Direktor

Jushkinbek Ismailov

Annex G: Minutes of meetings

Minutes of meeting

Public disclosure meeting in Alat district municipality

MINUTES OF MEETING

Public disclosure meeting in Alat district municipality

In order to organize this meeting, Juru Energy requested Alat district municipality to provide assistance in organizing a meeting with relevant stakeholders and local people from the nearest communities to the Project.

The main purpose of the meeting was to present the main features of Nur-Bukhara Solar photoelectric plant with a capacity of 250 MWac and 63 MW 2 hours battery storage system in Alat district of Bukhara region, results of Environmental and Social Impact Assessment, and getting feedback from relevant stakeholders.

An official request letter to Alat district municipality is provided in Annex 1.
Photos of the meeting are provided in Annex 2.
A list of relevant stakeholders and local people representatives in Alat district is given in Annex 3.

Stakeholder group:	Relevant stakeholders
Number of participants	15
Masdar (Abu Dhabi Future Energy Company DAJ)	Mr Ziyaad Kadwa – Project manager
Representatives of Juru Energy team	Miss Umida Rozumbetova – Head of SBU team Miss Zilola Kazakova – Principal Social Consultant Mr Bekhzod Abdumalikov – Social Consultant
Meeting language:	Uzbek
Date:	30.05.2023
Start time:	11:40
End time:	12:40
Method of engagement:	Alat district municipality has arranged a meeting as per the request of Juru Energy
Venue:	Alat district municipality
Used materials and visual aids	Presentation

I. Agenda for the meeting

1. General information about the Project;
2. Content of social and environmental expertise;
3. Environmental and Social Impact Assessment;
4. Content of environmental and social impact assessment;
5. Potential negative impacts of the Project;
6. Potential positive impacts of the Project;
7. Grievance redress mechanism (GRM).
8. Q&A

II. Public disclosure meeting in Alat district municipality

The meeting started with introduction speech of Alat district Deputy khakim Beshimov Sherzod. He introduced Ziyad Kadwa - project manager and Juru Energy consulting representatives Umida Rozumbetova - Head of SBU team, Zilola Kazakova - Principal Social Consultant and Bekhzod Abdumalikov - social consultant.

After the introductory part, Zilola Kazakova started the presentation of Nur-Bukhara Solar photoelectric plant with a capacity of 250 MWac and 63 MW 2 hours battery storage system ("Project"). Zilola informed the meeting participants about the main purpose of the meeting presenting the Project's key features, providing an update on work done so far and schedule, providing findings of environmental and social assessments and receiving feedback from stakeholders and compliance with regarding Environmental and Social Impact Assessment (ESIA). The participants were also provided with a map where it indicated the preliminary location of the Project. Following that, she described the geographical location of the Project including that the access road to the Project is in the territory of Alat district, stating that the local people of Kirlishon and Kulchovdur living communities (mahalla) and relevant organizations should be informed about the Project.

Furthermore, she explained the Project description, highlighting those Components and receptor of the project and upcoming stages of the project. Participants were also given an explanation of the impact of the findings on social and environment, as well as employees and community around the project site.

Umida Rozumbetova informed the participants about the potential negative impacts during the construction phase of the Project. The possible destruction of flora and fauna during the excavation and construction phase was also highlighted by Umida. With regard to potential impacts during the operation phase, Umida informed that noise and vibrations during the construction process will not affect residential areas. She also stated that emissions from construction machines and heavy trucks affect the atmospheric air, but there will be no air pollution during the operation phase of the Project. Also, it is stated that damage to flora and fauna during the excavation and construction phase is very low.

During the meeting Umida provided that the project land (691 hectares) was managed by the Committee for the development of sericulture and wool industry. Participants at the meeting were highlighted that farmers and Committee for the development of sericulture and wool industry would be compensated if crops or land were lost or destroyed. The meeting participants were also informed that the stakeholders in the project had been consulted. And letters were sent to the main stakeholders. It was mentioned that all stakeholders around the project site had been notified about the project.

Zilola stated the meeting participants that stakeholders and local community members in Alat district can express their concerns, send complaints or provide feedback regarding the Project through the Grievance Redress Mechanism (GRM). She underlined that the GRM is completely free of charge and provided contact details for sending applications.

At the end of the meeting, Ziyad Kadwa, who is the project manager, explained the project to the meeting participants. The participants then asked him questions and received answers to their questions.

III. Q&A

Questions:	**Answers:**
Participant: Does the project only work when the sun is shining, or can it also work in winter (cloudy, rainy days)?	**Ziyad Kadwa:** This project is only active if it produces energy and when there is sunshine. And on rainy, cloudy days, the project will have batteries. Through this battery, electricity is supplied.
Participant: 250 MW of power per year or per month?	**Umida Rozumbetova:** This counts as per an hour.
Participant: What is the budget for the project?	**Ziyad Kadwa:** $200 million
A representative of the district water department: I would appeal to the project investors. I would like to make a proposal for organising the networks in order to provide potable water to the project workers and local residents on a permanent basis.	**Ziyad Kadwa:** It is the water issue that is being approached by the project. We will consider your proposal as the project.

Annex 2.

Photos of the meeting

Public disclosure meeting in Kirlishon living community

MINUTES OF MEETING

Public disclosure meeting in Kirlishon living community

In order to organize this meeting, Juru Energy requested Alat district municipality to provide assistance in organizing a meeting with relevant stakeholders and local people from the nearest communities to the Project.

The main purpose of the meeting was to present the main features of Nur-Bukhara Solar photoelectric plant with a capacity of 250 MWac and 63 MW 2 hours battery storage system in Alat district of Bukhara region, results of Environmental and Social Impact Assessment, and getting feedback from local people.

An official request letter to Alat district municipality is provided in Annex 1.
Photos of the meeting are provided in Annex 2.
A list of relevant stakeholders and local people representatives in Alat district is given in Annex 3.

Stakeholder group:	Kirlishon living community
Number of participants	14
Masdar (Abu Dhabi Future Energy Company DAJ)	Mr Ziyaad Kadwa – Project manager
Representatives of Juru Energy team	Miss Umida Rozumbetova – Head of SBU team Miss Zilola Kazakova – Principal Social Consultant Mr Bekhzod Abdumalikov – Social Consultant
Meeting language:	Uzbek
Date:	31.05.2023
Start time:	14:50
End time:	15:30
Method of engagement:	Alat district municipality has arranged a meeting as per the request of Juru Energy
Venue:	Kirlishon living community
Used materials and visual aids	Presentation

I. Agenda for the meeting

1. General information about the Project;
2. Content of social and environmental expertise;
3. Environmental and Social Impact Assessment;
4. Content of environmental and social impact assessment;
5. Potential negative impacts of the Project;
6. Potential positive impacts of the Project;
7. Grievance redress mechanism (GRM).
8. Q&A

II. Public disclosure meeting in Kirlishon living community

The meeting started with introduction speech of Umida Rozumbetova who is Head of SBU team of Juru energy. She introduced Ziyad Kadwa - project manager and Juru Energy consulting representatives, Zilola Kazakova - Principal Social Consultant and Bekhzod Abdumalikov - social consultant.

After the introductory part, Umida Rozumbetova started the presentation of Nur-Bukhara Solar photoelectric plant with a capacity of 250 MWac and 63 MW 2 hours battery storage system ("Project"). Umida informed the meeting participants about the main purpose of the meeting presenting the Project's key features, providing an update on work done so far and schedule, providing findings of environmental and social assessments and receiving feedback from local people and compliance with regarding Environmental and Social Impact Assessment (ESIA). The participants were also provided with a map where it indicated the preliminary location of the Project. Following that, she described the geographical location of the Project including that the access road to the Project is in the territory of Alat district, stating that the local people of Kirlishon and Kulchovdur living communities (mahalla) and relevant organizations should be informed about the Project.

Furthermore, she explained the Project description, highlighting those Components and receptor of the project and upcoming stages of the project. Local people were also given an explanation of the impact of the findings on social and environment, as well as employees and communities around the project site.

Umida informed that noise and vibrations during the construction process will not affect residential areas. She also stated that emissions from construction machines and heavy trucks affect the atmospheric air, but there will be no air pollution during the operation phase of the Project. Also, it is stated that damage to flora and fauna during the excavation and construction phase is very low.

During the meeting Umida provided that the project land (691 hectares) was managed by the Committee for the development of sericulture and wool industry. Participants at the meeting were highlighted that farmers and Committee for the development of sericulture and wool industry would be compensated if crops or land were lost or destroyed. The meeting participants were also informed that the stakeholders in the project had been consulted. And letters were sent to the main stakeholders. It was mentioned that all stakeholders around the project site had been notified about the project.

Umida stated the meeting participants that stakeholders and local community members in Alat district can express their concerns, send complaints or provide feedback regarding the Project through the Grievance Redress Mechanism (GRM). She underlined that the GRM is completely free of charge and provided contact details for sending applications.

At the end of the meeting, Ziyad Kadwa, who is the project manager, explained the project to the meeting participants. The participants then asked him questions and received answers to their questions.

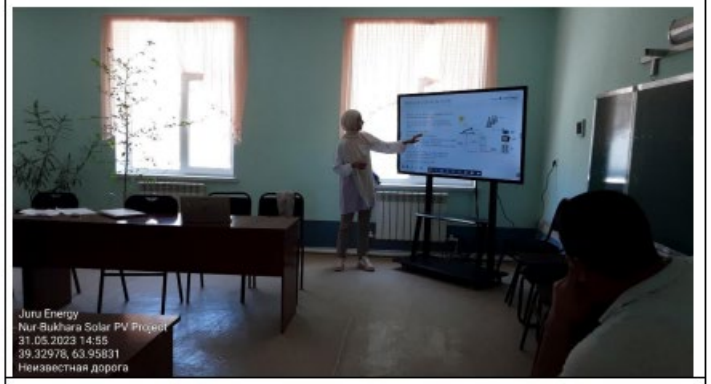
III. Q&A

Questions:	**Answers:**
Participant: Can training courses be provided to prepare unskilled local people for construction?	**Ziyad Kadwa:** Training courses are provided during construction in accordance with international standards. But during construction we do not have the opportunity to train unskilled people. During the project, available vacancies will be announced. For each vacancy, people who have qualifications are accepted.
Participant: Is the construction process hazardous to our land, the greenhouse or the pets we feed?	**Umida Rozumbetova:** There is no any hazardous and harmful effect. Also your pets must not go to the project area.
Participant: Will there be radioactive light, noise or dust during the project? If yes, measures have been established against them?	**Umida Rozumbetova:** Of course, for example, water is sprayed to prevent dust hazards. Different measures and mitigation measures have been established for each.
Participant: Don't destroy our roads and infrastructures by bringing in heavy machines. Hire local people as well to the project.	**Ziyad Kadwa:** We implement our work processes without damaging your road infrastructure. Otherwise,

	Compensation payments will be paid if your road is damaged by the project.
Participant: How many workers will be hired in the construction process?	**Ziyad Kadwa:** Average 250 workers
Participant: How many workers will be working after the main construction processes are completed?	**Ziyad Kadwa:** 10-15 workers
Participant: I have skill in electricity. Can I apply for a job as skilled man to the project?	**Ziyad Kadwa:** Yes, you can. But we also select local people around the project area, researching each household to determine whether they really need a job.

Annex 2.

Photos of the meeting



Annex 3.

Attendance list

MASDAR

Juru Energy

Jamoatchilik eshittiruvi ishtirokchilari

RO'YXATI

Loyihaning nomi: Nur Buhoro fotoelektrik stantsiyasi

O'tkazilgan sanasi: 31.05.2023.

Hudud tuman: Olot tumani, Qirilishon mahallasi

N°	Ishtirokchining ismi va familiyasi	Tashkilot/mahalla nomi	Telefon/mobil raqami	Imzo
1.	Аллаёров Фархот			
2.	Тоирова Шаҳноз			
3.	Расулова Ноила			
4.	Шосаидова Фузулла			
5.	Иброева Шодиёр			
6.	Ёнгишова Дилфуза			
7.	Зулфиқоров Ҳ.			
8.	Боёсев Ҳожи			
9.	Самиев Бекзод			
10.	Йўлдашев Ғ.			
11.	Ёқубов Эргашали			
12.	Бердиев Ф.			
13.	Боёсев Ҳ.			
14.	Нигматов Ёсиб			
15.				

Public disclosure meeting in Kulchovdir living community

MINUTES OF MEETING

Public disclosure meeting in Kulchovdir living community

In order to organize this meeting, Juru Energy requested Alat district municipality to provide assistance in organizing a meeting with relevant stakeholders and local people from the nearest communities to the Project.

The main purpose of the meeting was to present the main features of Nur-Bukhara Solar photoelectric plant with a capacity of 250 MWac and 63 MW 2 hours battery storage system in Alat district of Bukhara region, results of Environmental and Social Impact Assessment, and getting feedback from local people.

An official request letter to Alat district municipality is provided in Annex 1.
Photos of the meeting are provided in Annex 2.
A list of relevant stakeholders and local people representatives in Alat district is given in Annex 3.

Stakeholder group:	Kulchovdir living community
Number of participants	9
Masdar (Abu Dhabi Future Energy Company DAJ)	Mr Ziyaad Kadwa – Project manager
Representatives of Juru Energy team	Miss Umida Rozumbetova – Head of SBU team Miss Zilola Kazakova – Principal Social Consultant Mr Bekhzod Abdumalikov – Social Consultant
Meeting language:	Uzbek
Date:	30.05.2023
Start time:	16:00
End time:	16:40
Method of engagement:	Alat district municipality has arranged a meeting as per the request of Juru Energy
Venue:	Kulchovdir living community
Used materials and visual aids	Presentation

I. Agenda for the meeting

1. General information about the Project;
2. Content of social and environmental expertise;
3. Environmental and Social Impact Assessment;
4. Content of environmental and social impact assessment;
5. Potential negative impacts of the Project;
6. Potential positive impacts of the Project;
7. Grievance redress mechanism (GRM).
8. Q&A

II. Public disclosure meeting in Kulchovdir living community

The meeting started with introduction speech of Umida Rozumbetova who is Head of SBU team of Juru energy. She introduced Ziyad Kadwa - project manager and Juru Energy consulting representatives, Zilola Kazakova - Principal Social Consultant and Bekhzod Abdumalikov - social consultant.

After the introductory part, Umida Rozumbetova started the presentation of Nur-Bukhara Solar photoelectric plant with a capacity of 250 MWac and 63 MW 2 hours battery storage system ("Project"). Umida informed the meeting participants about the main purpose of the meeting presenting the Project's key features, providing an update on work done so far and schedule, providing findings of environmental and social assessments and receiving feedback from local people and compliance with regarding Environmental and Social Impact Assessment (ESIA). The participants were also provided with a map where it indicated the preliminary location of the Project. Following that, she described the geographical location of the Project including that the access road to the Project is in the territory of Alat district, stating that the local people of Kirlishon and Kulchovdur living communities (mahalla) about the Project.

Furthermore, she explained the Project description, highlighting those Components and receptor of the project and upcoming stages of the project. Local people were also given an explanation of the impact of the findings on social and environment, as well as employees and communities around the project site.

Umida informed that noise and vibrations during the construction process will not affect residential areas. She also stated that emissions from construction machines and heavy trucks affect the atmospheric air, but there will be no air pollution during the operation phase of the Project. Also, it was stated that damage to flora and fauna during the excavation and construction phase is very low.

During the meeting Umida provided that the project land (691 hectares) was managed by the Committee for the development of sericulture and wool industry. Participants at the meeting were highlighted that farmers and Committee for the development of sericulture and wool industry would be compensated if crops or land were lost or destroyed. The meeting participants were also informed that the stakeholders in the project had been consulted. And letters were sent to the main stakeholders. It was mentioned that all stakeholders around the project site had been notified about the project.

Umida stated the meeting participants that stakeholders and local community members in Alat district can express their concerns, send complaints or provide feedback regarding the Project through the Grievance Redress Mechanism (GRM). She underlined that the GRM is completely free of charge and provided contact details for sending applications.

At the end of the meeting, Ziyad Kadwa, who is the project manager, explained the project to the meeting participants. The participants then asked him questions and received answers to their questions.

III. Q&A

Questions:	**Answers:**
Participant: Can the project supply total electricity? We have Khamza 1 and Khamza 2. And they will need electricity if there is no electricity in the district.	**Ziyad Kadwa:** Nur-Bukhara Solar photoelectric plant with a capacity of 250 MWac and 63 MW 2 hours battery storage system ("Project").
Participant: Which banks provide the project? International or national banks?	**Umida Rozumbetova:** International bank
Participant: Will there be radioactive light, noise or dust during the project? If yes, measures have been established against them?	**Umida Rozumbetova:** Of course, for example, water is sprayed to prevent dust hazards. Different measures and mitigation measures have been established for each.
Participant: Don't destroy our roads and infrastructures by bringing in heavy machines. Hire local people as well to the project.	**Ziyad Kadwa:** We implement our work processes without damaging your road infrastructure. Otherwise, Compensation payments will be paid if your road is damaged by the project.
Participant: How many workers will be hired in the construction process?	**Ziyad Kadwa:** Average 250 workers

Participant: How many workers will be working after the main construction processes are completed?	**Ziyad Kadwa:** 10-15 workers
Participant: I have skill in electricity. Can I apply for a job as skilled man to the project?	**Ziyad Kadwa:** Yes, you can. But we also select local people around the project area, researching each household to determine whether they really need a job.

Annex 2.

Photos of the meeting

Annex 3.

Attendance list

MASDAR

Juru Energy

Jamoatchilik eshittiruvi ishtirokchilari

RO'YXATI

Loyihaning nomi: Nur Buxoro quyosh fotoelektrostantsiyasi

O'tkazilgan sanasi: 2023 30 May 15 :

Hudud tuman: Olot tumani kulchaqdir mahallasi (male/elderly)

N°	Ishtirokchining ismi va familiyasi	Tashkilot/mahalla nomi	Telefon/mobil raqami	Imzo
1.	Ганиев Шухомжон	Кўчатхона ходиси	—	
2.	Норқулматов Ғайрат	Кўчатхона ходиси	—	
3.	Ўлмасов Жамшид	Кўчатхона ходиси	—	
4.	Қаҳаров Улуғ	Кўчатхона ходиси	—	
5.	Чориев Ихтиёрод	Кўчатхона ходиси	—	
6.	Тўлаев Ғаффор	Кўчатхона ходиси	—	
7.	Эшмуратов Яхё	Кўчатхона ходиси	—	
8.	Каршиев Фарруз	Кўчатхона ходиси	—	
9.	Шомурод Ўктам	Кўчатхона ходиси	—	
10.				
11.				
12.				
13.				
14.				
15.				