

REQUEST FOR QUOTATION (RFQ)

RFQ Reference: UNDP-TUR-RFQ(KRE)-2022-21 Date: 02 March 2022

SECTION 1: REQUEST FOR QUOTATION (RFQ)

UNDP kindly requests your quotation for the **Procurement of Solar Panels and Hybrid Inverter** within the scope of "Increasing Employability for Syrians and Turkish Host Community Members in the Renewable Energy Sector" titled project as detailed in Annex 1 of this RFQ.

This Request for Quotation comprises the following documents:

Section 1: This request letter

Section 2: RFQ Instructions and Data

Annex 1: Schedule of Requirements

Annex 2: Quotation Submission Form

Annex 3: Technical and Financial Offer

Annex 4: General Terms and Conditions

When preparing your quotation, please be guided by the RFQ Instructions and Data. Please note that quotations must be submitted using Annex 2: Quotation Submission Form and Annex 3 Technical and Financial Offer, by the method and by the date and time indicated in Section 2. It is your responsibility to ensure that your quotation is submitted on or before the deadline. Quotations received after the submission deadline, for whatever reason, will not be considered for evaluation.

Thank you and we look forward to receiving your quotations.

Issued by:

Signature:

Name: Üsame Yalçın

Title: Assistant Resident Representative (Operations)

Date: 02 March 2022

SECTION 2: RFQ INSTRUCTIONS AND DATA

| Introduction | Bidders shall adhere to all the requirements of this RFQ, including any amendments made in writing |
|----------------------------------|---|
| | by UNDP. This RFQ is conducted in accordance with the <u>UNDP Programme and Operations Policies</u> and <u>Procedures (POPP) on Contracts and Procurement</u> |
| | Any Bid submitted will be regarded as an offer by the Bidder and does not constitute or imply the acceptance of the Bid by UNDP. UNDP is under no obligation to award a contract to any Bidder as a result of this RFQ. |
| | UNDP reserves the right to cancel the procurement process at any stage without any liability of any kind for UNDP, upon notice to the bidders or publication of cancellation notice on UNDP website. |
| Deadline for the | 15 March 2022, 17:00 hrs. (GMT+3, Local time-Turkey) |
| Submission of Quotation | If any doubt exists as to the time zone in which the quotation should be submitted, refer to http://www.timeanddate.com/worldclock/ . |
| Method of | Quotations must be submitted as follows: |
| Submission | ☑ Dedicated Email Address |
| | Bid submission address: tr.procurement@undp.org |
| | ■ File Format: PDF |
| | File names must be maximum 60 characters long and must not contain any letter or special character other than from Latin alphabet/keyboard. |
| | All files must be free of viruses and not corrupted. |
| | Max. File Size per transmission: 35 MB and no more than five email |
| | Mandatory subject of email: UNDP-TUR-RFQ(KRE)-2022-21 – Procurement of Solar Panels and Hybrid Inverter |
| | Multiple emails must be clearly identified by indicating in the subject line "email no. X of Y", and the final "email no. Y of Y. |
| | It is recommended that the entire Quotation be consolidated into as few attachments as possible. |
| Cost of preparation of quotation | UNDP shall not be responsible for any costs associated with a Supplier's preparation and submission of a quotation, regardless of the outcome or the manner of conducting the selection process. |
| Supplier Code of Conduct, Fraud, | All prospective suppliers must read the United Nations Supplier Code of Conduct and acknowledge that it provides the minimum standards expected of suppliers to the UN. The Code of Conduct, which includes principles on labour, human rights, environment and ethical conduct may be found at: https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct |
| Corruption, | Moreover, UNDP strictly enforces a policy of zero tolerance on proscribed practices, including fraud, corruption, collusion, unethical or unprofessional practices, and obstruction of UNDP vendors and requires all bidders/vendors to observe the highest standard of ethics during the procurement process and contract implementation. UNDP's Anti-Fraud Policy can be found at http://www.undp.org/content/undp/en/home/operations/accountability/audit/office_of_audit_an_dinvestigation.html#anti |
| Gifts and Hospitality | Bidders/vendors shall not offer gifts or hospitality of any kind to UNDP staff members including recreational trips to sporting or cultural events, theme parks or offers of holidays, transportation, or invitations to extravagant lunches, dinners or similar. In pursuance of this policy, UNDP: (a) Shall reject a bid if it determines that the selected bidder has engaged in any corrupt or fraudulent practices |

| | in competing for the contract in question; (b) Shall declare a vendor ineligible, either indefinitely or for a stated period, to be awarded a contract if at any time it determines that the vendor has engaged in any corrupt or fraudulent practices in competing for, or in executing a UNDP contract. | |
|--|---|--|
| Conflict of Interest | UNDP requires every prospective Supplier to avoid and prevent conflicts of interest, by disclosing to UNDP if you, or any of your affiliates or personnel, were involved in the preparation of the requirements, design, specifications, cost estimates, and other information used in this RFQ. Bidders shall strictly avoid conflicts with other assignments or their own interests, and act without consideration for future work. Bidders found to have a conflict of interest shall be disqualified. | |
| | Bidders must disclose in their Bid their knowledge of the following: a) If the owners, part-owners, officers, directors, controlling shareholders, of the bidding entity or key personnel who are family members of UNDP staff involved in the procurement functions and/or the Government of the country or any Implementing Partner receiving goods and/or services under this RFQ. | |
| | The eligibility of Bidders that are wholly or partly owned by the Government shall be subject to UNDP's further evaluation and review of various factors such as being registered, operated and managed as an independent business entity, the extent of Government ownership/share, receipt of subsidies, mandate and access to information in relation to this RFQ, among others. Conditions that may lead to undue advantage against other Bidders may result in the eventual rejection of the Bid. | |
| General Conditions of | Any Purchase Order or contract that will be issued as a result of this RFQ shall be subject to the General Conditions of Contract | |
| Contract | Select the applicable GTC: | |
| | ⊠ General Terms and Conditions / Special Conditions for Contract. | |
| | Applicable Terms and Conditions and other provisions are available at <u>UNDP/How-we-buy</u> | |
| Special | ☐ Cancellation of PO/Contract if the delivery/completion is delayed by 15 calendar days | |
| Conditions of Contract | ☑ UNDP shall deduct 0.5% of the total Contract Amount from the payments to be released to the Contractor for each day of delay beyond latest delivery date stipulated in Annex 1. | |
| Eligibility | A vendor who will be engaged by UNDP may not be suspended, debarred, or otherwise identified as ineligible by any UN Organization or the World Bank Group or any other international Organization. Vendors are therefore required to disclose to UNDP whether they are subject to any sanction or temporary suspension imposed by these organizations. Failure to do so may result in termination of any contract or PO subsequently issued to the vendor by UNDP. | |
| | It is the Bidder's responsibility to ensure that its employees, joint venture members, sub-contractors, service providers, suppliers and/or their employees meet the eligibility requirements as established by UNDP. | |
| | Bidders must have the legal capacity to enter a binding contract with UNDP and to deliver in the country, or through an authorized representative. | |
| Currency of Quotation | Quotations shall be quoted in United States Dollars (USD). | |
| Joint Venture, Consortium or Association | If the Bidder is a group of legal entities that will form or have formed a Joint Venture (JV), Consortium or Association for the Bid, they shall confirm in their Bid that: (i) they have designated one party to act as a lead entity, duly vested with authority to legally bind the members of the JV, Consortium or Association jointly and severally, which shall be evidenced by a duly notarized Agreement among the legal entities, and submitted with the Bid; and (ii) if they are awarded the contract, the contract shall | |

| | be entered into, by and between UNDP and the designated lead entity, who shall be acting for and on behalf of all the member entities comprising the joint venture, Consortium or Association. |
|-----------------------|---|
| | Refer to Clauses 19 – 24 under <u>Solicitation policy</u> for details on the applicable provisions on Joint Ventures, Consortium or Association. |
| Only one Bid | The Bidder (including the Lead Entity on behalf of the individual members of any Joint Venture, Consortium or Association) shall submit only one Bid, either in its own name or, if a joint venture, Consortium or Association, as the lead entity of such Joint Venture, Consortium or Association. |
| | Bids submitted by two (2) or more Bidders shall all be rejected if they are found to have any of the following: |
| | a) they have at least one controlling partner, director or shareholder in common; or b) any one of them receive or have received any direct or indirect subsidy from the other/s; or |
| | b) they have the same legal representative for purposes of this RFQ; or |
| | c) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about, or influence on the Bid of, another Bidder regarding this RFQ process; |
| | d) they are subcontractors to each other's Bid, or a subcontractor to one Bid also submits another Bid under its name as lead Bidder; or |
| | e) some key personnel proposed to be in the team of one Bidder participates in more than one Bid received for this RFQ process. This condition relating to the personnel, does not apply to subcontractors being included in more than one Bid. |
| Duties and taxes | Article II, Section 7, of the Convention on the Privileges and Immunities provides, inter alia, that the United Nations, including UNDP as a subsidiary organ of the General Assembly of the United Nations, is exempt from all direct taxes, except charges for public utility services, and is exempt from customs restrictions, duties, and charges of a similar nature in respect of articles imported or exported for its official use. All quotations shall be submitted net of any direct taxes and any other taxes and duties, unless otherwise specified below: |
| | All prices must: |
| | □ be exclusive of VAT and other applicable indirect taxes |
| | It is the Proposer's responsibility to learn from relevant authorities (Ministry of Treasury and Finance) and/or to review/confirm published procedures and to consult with a certified financial consultant as needed to confirm the scope and procedures of VAT exemption application as per VAT Law, Ministry of Treasury and Finance's General Communiqués. The Contractor to be selected shall not be entitled to receive any amount over its proposal price in relation to VAT. Overall contract amount to be paid to the contractor shall not exceed the offered Total Financial Proposal Price. |
| | UNDP will provide the contractor a VAT exemption certificate covering the subject procurement. |
| Language of quotation | English |
| Documents to be | Bidders shall include the following documents in their quotation: |
| submitted | ☑ Annex 2: Quotation Submission Form duly completed and signed ☑ Annex 3: Technical and Financial Offer duly completed and signed and in accordance with the Schedule of Requirements in Annex 1 ☑ Trade Registry Gazette showing the establishment and shareholder structure of the company; |

| Quotation validity period | ✓ Valid Chamber of Commerce Registration Certificate (Original documents may be requested by UNDP and shall be presented when requested) ✓ Copy of Signature Circular/Power of Attorney (Original documents may be requested by UNDP and shall be presented when requested) ✓ Brochure/catalog of the offered products or link to web sites where these documents can be seen to demonstrate compliance with technical specifications ✓ Signed and Stamped copy of ANNEX 4- General Terms and Conditions for Contracts ✓ Quotations shall remain valid for 90 days from the deadline for the Submission of Quotation. | |
|--|---|--|
| Price variation | No price variation due to escalation, inflation, fluctuation in exchange rates, or any other marker factors shall be accepted at any time during the validity of the quotation after the quotation has been received. | |
| Partial Quotes | Not permitted ■ Not permitted Not | |
| Alternative Quotes | Not permitted ■ Not permitted Not permitted | |
| Payment Terms | ⊠100% of contract price shall be paid within 30 days upon UNDP's issuance of Positive Inspection and Acceptance Report that indicates full compliance of the goods to Technical Specifications in this RFQ and receipt of invoice. | |
| | Inspection and acceptance shall be conducted by a committee to be established by UNDP and the beneficiary/end user, following delivery of the goods by the Contractor. | |
| | The Contractor shall not be entitled to receive any price difference and/or additional amount from UNDP for whatsoever reason, including but not limited to increase in the costs of the Contractor or any missing goods/services in its Price Schedule to be submitted in response to this RFQ. | |
| | Alternative terms of payment shall not be negotiated with the successful Offeror. | |
| | Currency of Payment: | |
| | If the Contractor is registered and operating in Turkey, the payment shall be realized in Turkish Liras (TRY). Contract price will be converted from United States Dollar (USD) to Turkish Liras (TRY) by the UN operational rate of exchange valid on the date of money transfer. Otherwise, the payments shall be affected in United States Dollar. | |
| Conditions for Release | ☐ Inspection upon arrival at destination | |
| of Payment | ☑ Testing (if required) | |
| | ☑ Written Acceptance of Goods based on full compliance with RFQ requirements | |
| Contact | E-mail address: tr.procurement@undp.org | |
| Person for corresponde | Att: Mr. Tunç Gürdal, Procurement Officer | |
| nce, notifications and clarifications | Any delay in UNDP's response shall be not used as a reason for extending the deadline for submission, unless UNDP determines that such an extension is necessary and communicates a new deadline to the Proposers. | |

| Clarifications | Requests for clarification from bidders will not be accepted any later than 4 days before the submission deadline. | |
|---|--|--|
| Evaluation method | ☑The Contract or Purchase Order will be awarded to the lowest price substantially compliant offer | |
| Evaluation criteria | ☑ Full compliance with all requirements as specified in Annex 1☑ Full acceptance of the General Conditions of Contract | |
| Right not to accept any quotation | UNDP is not bound to accept any quotation, nor award a contract or Purchase Order | |
| Right to vary requirement at time of award | At the time of award of Contract or Purchase Order, UNDP Turkey CO reserves the right to vary (increase or decrease) the quantity of services and/or goods, by up to a maximum twenty-five per cent (25%) of the total offer, without any change in the unit price or other terms and conditions. | |
| Type of Contract to be awarded | | |
| Expected date for contract award. | March 2022 | |
| Publication of Contract Award | UNDP will publish the contract awards valued at USD 100,000 and more on the websites of the CO and the corporate UNDP Web site. | |
| Policies and procedures | This RFQ is conducted in accordance with <u>UNDP Programme and Operations Policies and Procedures</u> | |
| UNGM registration | Any Contract resulting from this RFQ exercise will be subject to the supplier being registered at the appropriate level on the United Nations Global Marketplace (UNGM) website at www.ungm.org . The Bidder may still submit a quotation even if not registered with the UNGM, however, if the Bidder is selected for Contract award, the Bidder must register on the UNGM prior to contract signature. | |

ANNEX 1: SCHEDULE OF REQUIREMENTS

Please be informed that that Turkish version of the specifications is given for reference purpose only. In case of an inconsistency between Turkish and English versions, English version shall prevail.

Bu Teknik Şartnamenin Türkçe versiyonunun sadece referans amaçlı verildiğini lütfen unutmayınız. Türkçe ve İngilizce versiyonları arasında uyumsuzluk olması durumunda İngilizce versiyon esas alınacaktır.

Abbreviations

Kısaltmalar

| Abbreviations | Description |
|---------------|---|
| AC | Alternative Current |
| BISPP | Building Integrated Solar Power Plant |
| СТСВ | Compact type circuit breaker |
| DC | Direct Current |
| EDAŞ | Electricity Distribution Corporation |
| EL | Electroluminescence |
| EMRA | Energy Market Regulatory Authority |
| HEC | Higher Education Council |
| HV | High Voltage |
| IEEE | Institute of Electrical and Electronics Engineers |
| LV | Low Voltage |
| MENR | Ministry of Energy and Natural Resources |
| MV | Medium Voltage |
| PV | Photovoltaic |
| SPP | Solar Power Plant |
| TEDAŞ | Turkish Electricity Distribution Corporation |
| TEİAŞ | Turkish Electricity Transmission Corporation |
| TMCB | Thermal magnetic circuit breaker |
| TSE | Turkish Standardization Institute |

Icons

Simge

| Icons | Description |
|-------|--------------------------------|
| m² | Square meter |
| kWp | Kilowatt peek |
| kW | Kilowatt |
| kVA | Kilovolt ampere |
| W | Watt |
| Wp | Watt Peek (Maximum Peek Power) |
| °C | Centigrade |
| % | Percent |

| V | Volt |
|-----|-------------------|
| Α | Ampere |
| N | Newton |
| mm² | Square millimeter |
| km | Kilometer |
| m | Meter |
| cm | Centimeter |
| Hz | Hertz |

SUBJECT

Konu

This technical specification has been prepared for the land type solar power plant installation with 48 kW power on the agricultural land of Adana Metropolitan Municipality located in Adana province Sarıçam District İstiklal Mahallesi, 18290 block and 38,42,42,44 plots. The technical specification covers the technical specifications of the products and the delivery conditions. Relevant products will be delivered to the address shown within 15 calendar days from the signing of the contract by UNDP and the Contractor. The installation and commissioning services are not included in the scope of this procurement.

Bu teknik şartname Adana ili Sarıçam İlçesi İstiklal Mahallesi 18290 ada ve 38,42,42,44 parsellerde bulunan Adana Büyükşehir Belediyesine ait tarım arazisi üzerine 48 kW gücünde güneş enerjisi saha kurulumu için hazırlanmıştır. Teknik şartname ürünlerin teknik özelliklerini, ve teslimat koşullarını kapsamaktadır. İlgili ürünler sözleşmenin UNDP ve Yüklenici tarafından imzalanmasından itibaren 15 takvim günü içerisinde gösterilen adrese teslim edilecektir. Kurulum ve devreye alma hizmetleri bu satın alma kapsamına dahil değildir.

DEFINITIONS

Tanımlar

Employer: UNDP Turkey Country Office

İşveren:Birleşmiş Milletler Kalkınma programı Türkiye Ofisi

Facility name : Meryem Kadin Kooperatifi Adana Saricam agricultural field

Tesis adı: Meryem Kadın Kooperatifi Adana Sarıçam tarım alanı

Contractor : Real or legal person who undertakes the contractual responsibility for the work in

question.

Yüklenici: Söz konusu işin sözleşmeden doğan sorumluluğunu üstlenen gerçek veya tüzel kişi.

RELATED LEGISLATION

İlgili Mevzuat

The content of the quotation will be established in accordance with the current legislation in force which can be seen below:

Teklifin içeriği, aşağıda görülebilecek olan yürürlükteki mevcut mevzuata uygun olarak oluşturulacaktır:

- Electricity Market Law No. 6446
- 6446 Sayılı Elektrik Piyasası Kanunu
- Regulation on Unlicensed Electricity Generation in the Electricity Market,
- Elektrik Piyasasında Lisanssız Elektrik Üretimi Yönetmeliği,
- Relevant Standard: CE / ISO / CENELEC / IEC and other international standards to be used in production facilities regarding equipment, connection system and performance criteria,
- İlgili Standart: Ekipman, bağlantı sistemi ve performans kriterleri ile ilgili olarak üretim tesislerinde kullanılacak CE / ISO / CENELEC / IEC ve diğer uluslararası standartlar
- Other relevant technical legislation: Including the conditions and standards issued by MENR for the safe and stable operation of electricity generation, transmission and distribution facilities as follows;
- İlgili diğer teknik mevzuat: Elektrik üretim, iletim ve dağıtım tesislerinin güvenli ve istikrarlı bir şekilde işletilmesi için ETKB tarafından yayınlanan şartlar ve standartlar dahil olmak üzere;
 - Electrical Internal Installations Regulation published in the Official Paper dated 16.06.2004 and numbered 25494,
 - 16.06.2004 tarih ve 25494 sayılı Resmi Gazete'de yayınlanan Elektrik İç Tesisatları Yönetmeliği
 - Grounding Regulation in Electrical Facilities published in the Official Paper dated 21.08.2001 and numbered 24500
 - 21.08.2001 tarih ve 24500 sayılı Resmi Gazete'de yayımlanan Elektrik Tesislerinde Topraklama Yönetmeliği
 - Electric Power Current Installations Regulation published in the Official Paper No. 24246 dated 30.11.2000,
 - 30.11.2000 tarih ve 24246 sayılı Resmi Gazete'de yayınlanan Elektrik Güç Akım Tesisleri Yönetmeliği,
 - Electrical Facilities Project Regulation, numbered 27434 dated 16.12.2009,
 - 16.12.2009 tarih ve 27434 sayılı Elektrik Tesisleri Proje Yönetmeliği,
 - TEDAŞ Electricity Distribution Networks Energy Cables Application Procedures and Principles,
 - TEDAŞ Elektrik Dağıtım Şebekeleri Enerji Kabloları Uygulama Usul ve Esasları,
 - General Specifications Construction Works, the current versions of all regulations and communiqués regarding the Implementation of the Regulation on Unlicensed Electricity Generation in the Electricity Market, dated 02.10.2013 and numbered 28783.

Genel Şartname İnşaat İşleri, 02.10.2013 tarih ve 28783 sayılı Elektrik Piyasasında Lisanssız Elektrik Üretimine İlişkin Yönetmeliğin Uygulanmasına İlişkin tüm yönetmelik ve tebliğlerin güncel hali.

GENERAL TERMS

GENEL ŞARTLAR

- This specification covers the technical specifications for the delivery of photovoltalic panels and a hybrid inverter for the 48 kW PV SPP planned to be installed on the field.
- Bu şartname arazide kurulması planlanan 48 kW FV GES için fotovoltalik paneller ve bir hibrid invertörün teslimine ilişkin teknik özellikleri kapsamaktadır.

TECHNICAL SPECIFICATIONS FOR GOODS // ÜRÜNLER İÇİN TEKNİK ŞARTNAME

| # | Requested Technical Specifications | |
|------|---|--|
| | Talep Edilen Teknik Özellikler | |
| 1. | PHOTOVOLTAIC PANELS (SOLAR PANELS) (Quantity: 120 EA) | |
| | FOTOVOLTAİK PANELLER (GÜNEŞ PANELLERİ) (Miktar: 120 Adet) | |
| 1.1. | 120 pieces Polycristal 400 Wp fotovoltaik solar panel. | |
| | 120 adet 400 Wp gücünde fotovoltaik güneş enerjisi paneli | |
| 1.2. | PV panels must be of the same brand and model. | |
| | FV paneller, aynı marka ve modelde olmalıdır. | |
| 1.3. | Solar panel module efficiency will be (Standard Test Conditions: 1000W/m² irradiance, | |
| | 25°C module temperature and AM=1,5 spectrum) at least 20% under Standard Test | |
| | Conditions | |
| | Güneş panel modül verimi Standart Test koşulları (Standart Test Koşulları: 1000W/m² | |
| | ışınım, 25ºC modül sıcaklığı ve AM=1,5 spektrum) altında en az %20 olacaktır. | |
| 1.4. | The system voltage of the panels must be at least 1000 V. | |
| | Panellerin sistem voltajı en az 1000 V olmalıdır. | |
| 1.5. | Instantaneous power output tolerance of solar panels will be in the range of 0 / + 5 W. | |
| | This value should be clearly stated in the catalog provided by the manufacturer. Before | |
| | the panels are shipped to the installation area, the pallets will be separately packed and specified according to (+) tolerances. | |
| | Güneş panellerin anlık güç çıkış toleransı 0/+5 W aralığında olacaktır. Bu değer | |
| | üreticinin sunmuş olduğu katalogda açıkça belirtilmelidir. Panellerin kurulum alanına | |
| | sevkiyatı öncesinde paletler (+) toleranslarına göre ayrılmış ve belirtilmiş olarak | |
| | paketlenecektir. | |
| 1.6. | Solar panels and fasteners will have minimum wind resistance capacity of 130 km / hour | |
| | wind. | |
| | Güneş panelleri ve bağlantı elemanları en az 130 km/saat hızındaki rüzgara | |
| | dayanabilecek kapasitede rüzgar direncine sahip olacaktır. | |

| # | Requested Technical Specifications |
|-------|---|
| | Talep Edilen Teknik Özellikler |
| 1.7. | The connection boxes of the panels will be at least IP 65 or equivalent and the connectors |
| | will be at least IP67 or equivalent protection class. |
| | Panoların bağlantı kutuları en az IP 65 veya eşdeğeri ve konektörler en az IP67 veya |
| | eşdeğer koruma sınıfında olacaktır. |
| 1.8. | Solar panels must be certified according to IEC 61215, IEC 61730-1 and IEC 61730-2 or |
| | equivalent standards. |
| | Güneş panelleri IEC 61215, IEC 61730-1 ve IEC 61730-2 veya eşdeğer standartlarına |
| | uygunluk sertifikalı olmalıdır. |
| 1.9. | The application standard of solar panels should be "Class A". This standard should be |
| | clearly stated in the product catalog. |
| | Güneş panellerinin uygulama standardı "A Sınıfı" olmalıdır. Bu standart ürün |
| | kataloğunda açıkça belirtilmelidir. |
| 1.10. | PV panels will be anti-PID featured. |
| | FV paneller anti-PID özellikli olacaktır. |
| 1.11 | The goods will be delivered in their original packaging, and will be guaranteed for at least |
| | 2 (two) years after delivery. |
| | Ürünler orjinal ambalajında teslim edilecek, teslim edilme sonrası en az 2 (iki) yıl |
| | garantili olacaktır. |
| 2. | HYBRID INVERTER (Quantity: 1 EA) |
| | HİBRİD INVERTER (Miktar: 1 Adet) |
| 2.1. | One string off-grid inverter in 60 kW power. |
| | Bir adet 60 kW gücünde şebeke bağlantılı off-grid evirici |
| 2.2. | The selected inverters will be in a structure to continuously deliver a 3 phase full sine |
| | wave in the form of + neutral + PE 400 V AC output at 50 Hz. |
| | Seçilen inverterler 50 Hz'de + nötr + PE 400 V AC çıkış şeklinde trifaze tam sinüs dalgasını |
| 2.2 | sürekli olarak verecek yapıda olacaktır. |
| 2.3. | There will be internally DC fuses at the (+) and (-) pole of the string inputs. |
| 2.4 | Dizi girişlerinde dahili olarak (+) ve (-) kutupta DC sigortalar bulunacaktır. |
| 2.4. | Inverters will have ethernet or RS485 communication port. |
| 2.5. | <i>Invertörler ethernet veya RS485 haberleşme portuna sahip olacaktır.</i> Inverters will be in a structure that can be monitored remotely. |
| 2.5. | İnvertörler uzaktan izlenebilir yapıda olacaktır. |
| 2.6. | |
| 2.0. | Inverters must meet at least IP65 or equivalent endurance standard. |
| 2.7. | <i>Invertörler en az IP65 veya eşdeğeri dayanıklılık standardını sağlamalıdır</i> The inverters must comply with the standards of IEC 60068, IEC 61727, IEC 62109-1, IEC |
| 2.7. | |
| | 62109-2, IEC 62116, IEC 61683 or equivalent and have CE or equivalent certificate. |
| | İnvertörler IEC 60068, IEC 61727, IEC 62109-1, IEC 62109-2, IEC 62116, IEC 61683 veya eşdeğeri standartlarına uygun olmalı, CE belgesi veya eşdeğeri belgeyi taşımalıdır. |
| | eşueyen stunuurturnu uyyun onnun, CE bergesi veya eşaeyen bergeyi taşımanar. |

| # | Requested Technical Specifications | |
|------|--|--|
| | Talep Edilen Teknik Özellikler | |
| 2.8. | There should be type II surge arresters on both AC and DC sides. | |
| | Hem AC, hem DC tarafta tip II parafudr olmalıdır. | |
| 2.9 | The goods will be delivered in their original packaging, and will be guaranteed for at least | |
| | 2 (two) years after delivery. | |
| | Ürünler orjinal ambalajında teslim edilecek, teslim edilme sonrası en az 2 (iki) yıl | |
| | garantili olacaktır. | |

WARRANTY AND TECHNICAL SUPPORT

GARANTI VE TEKNİK DESTEK

- From the delivery of the goods, the warranty periods will be as follows :
- Ürünlerin teslim itibaren, garanti periyotları aşağıdaki şekilde olacaktır:
 - The offered solar panels will be product guaranteed for at least 2 (two) years and to produce energy linearly for 25 years. Linear energy guarantee has to provide at least 90% of the panel power after 10 years and at least 80% at the end of 25 years.
 - Teklif edilen güneş panelleri en az, 2 (iki) yıl ürün ve 25 (yirmi beş) yıl lineer enerji garantili olacaktır. Lineer enerji garantisi, panel gücünün 10 (on) yıl sonunda en az % 90'ını ve 25 (yirmi beş) yıl sonunda da en az % 80'ini sağlayacak şekilde olacaktır.
 - Inverters; 2 (two) years.
 - o invertörler; en az 2 (iki) yıl.
- Defects occurring within the scope of warranty will be repaired by the CONTRACTOR free of charge by replacing/repairing the product. No additional expenses including but not limited to material, workmanship, transportation, insurance, etc. will be paid to the CONTACTOR.
- Garanti kapsamında meydana gelen arızalar ürünün YÜKLENİCİ tarafından ücretsiz olarak değiştirilmesi/onarılması yoluyla giderilecektir. YÜKLENİCİYE malzeme, işçilik, nakliye, sigorta vb. ücretleri de dahil olmak üzere ek masraflar için herhangi bir ücret ödenmeyecektir.
- The CONTRACTOR is obliged to correct any malfunction that may occur within the scope of the warranty. The malfunctions of the devices will be fixed within 3 (three) working days at the latest, following the notification of the malfunction to the CONTRACTOR. For malfunctions that cannot be repaired within 3 (three) business days, the CONTRACTOR shall replace the device with an equivalent device with the same function and functions and make it active. If no equivalent device is found, a new device will be ordered and the order form will be delivered to the EMPLOYER within 3 (three) working days following the failure notification.
- YÜKLENİCİ, garanti kapsamında meydana gelecek her türlü arızayı gidermekle yükümlüdür. Cihazların arızaları, arızanın YÜKLENİCİ'e bildirilmesini müteakip en geç 3(üç) iş günü içerisinde giderilecektir. 3(üç) iş günü içerisinde tamiri mümkün olmayan arızalar için YÜKLENİCİ, cihazın yerine aynı işlev ve fonksiyonlara sahip muadili cihazı arızalı cihazın

yerine koyup faal hale getirecektir. Muadil cihaz bulunamaz ise, arıza bildirimine müteakip 3 (üç) iş günü içerisinde yeni cihaz siparişi verilerek, sipariş formu İŞVEREN'e teslim edilecektir.

- For each item, in the event that the same failure occurs more than 2 (two) times, different failures more than 4 (four) times within a year or the total of different failures reaches 6 (six) times within the warranty period, the CONTRACTOR is obliged to replace the device with a new one. Regarding the guarantee, the rights of the EMPLOYER which have been specified in the Turkish law numbered 4077 are reserved.
- Her bir cihaz için, bir yıl içerisinde aynı arızayı 2(iki), farklı arızaları 4(dört)'ten fazla meydana gelmesi veya garanti süresi içerisinde farklı arıza toplamının 6(altı)'yı bulması durumunda YÜKLENİCİ bahse konu cihazı yenisiyle değiştirmekle yükümlüdür. Garanti konusunda, İŞVEREN'in 4077 sayılı Türk kanununda belirtilen hakları saklıdır
- Catalogs, warranty documents and user manuals of the devices will be delivered together with the panels and inverter.
- Paneller ve invertör ile birlikte bu ürünlerin katalogları, garanti belgeleri ve kullanma kılavuzları teslim edilecektir.

Delivery Requirements

| Benvery nequire | Delivery Requirements | |
|------------------------------------|--|--|
| Delivery date and time | Delivery shall be completed within 15 working days after signature of the contract by UNDP and the Contractor. | |
| Delivery Terms (INCOTERMS 2020) | DDP | |
| If any, customs clearance | Shall be done by: Supplier/bidder | |
| Delivery Location(s) | Sarıçam District İstiklal Mahallesi, 18290 block and 38,42,42,44 plots Adana / TURKEY Transportation related costs of items for delivery to above mentioned site will be included in the price offer. The Contractor will not be entitled to any additional payments for transportation related costs. | |
| Inspection upon delivery | All the equipment shall be provided complete with the necessary accessories and/or parts such as to ensure that the unit is capable of operating to the required technical and quality specifications. System components and whole system must be compatible with each other (i.e. there should not be any interoperability problems among different components of the system, hardware and software). Inspection and acceptance procedures shall be carried out by the Inspection and Acceptance Committee to be established by UNDP following the delivery of goods. At the end of the inspections, UNDP has the right to not release to the Contractor any payments in the event that the Inspection and Acceptance Committee detects incomplete | |

| | and/or improper work in accordance with the Technical Specifications, including but not limited to proper functioning or poor performance of the whole system. | |
|-------------------------------|---|--|
| Warranty Requirements | The warranty periods of the goods shall be as follows, starting from the date of delivery: The offered solar panels will be product guaranteed for at least 2 years and to produce energy linearly for 25 years. Linear energy guarantee has to provide at least 90% of the panel power after 10 years and at least 80% at the end of 25 years. Inverters; 2 (two) years. Signed and stamped warranty certificate shall be submitted at delivery of goods. | |
| Local Service Support | Must be available. Please refer to Annex I for further details. | |
| After Sales Services | The Contractor and manufacturer/distributor shall guarantee after sales service and spare parts supply during the economic life of machines determined by the Revenue Administration of Turkey (GiB). Please refer to https://www.gib.gov.tr/fileadmin/user-upload/Yararli-Bilgiler/amortisman oranlari.pdf for economic life of machines. After completion of the inspection and the acceptance, full title and ownership of the asset will be transferred to the end user and the contractor will be directly responsible towards the end user for after sales services. | |
| Covid 19 related requirements | The Contractors shall review all local regulations, as well as that of UN and UNDP concerning the measures they must take during performance of the contract in the context of COVID-19, before they submit their bids and factor relevant costs, if any, to their bids. The Contractor shall take all measures against COVID-19 imposed by local regulations as well as by UN and UNDP during performance of the contract to protect health and social rights of its own personnel, as well as UNDP personnel, Project Stakeholders and third parties. Pursuant to "Clause 12- Indemnification" of UNDP General Terms and Conditions for Contracts*, the Contractor shall indemnify, defend, and hold and save harmless, UNDP, and its officials, agents and employees, from and against all suits, proceedings, claims, demands, losses and liability of any kind or nature brought by any third party against UNDP, including, but not limited to, all litigation costs and expenses, attorney's fees, settlement payments and damages, based on, arising from, or relating to COVID-19 measures that must be taken by the Contractor in the context of the contract. UNDP shall not be held accountable for any Covid-19 related health risks or events that are caused by negligence of the Contractor and/or any other third party. | |

ANNEX 2: QUOTATION SUBMISSION FORM

Bidders are requested to complete this form, including the Company Profile and Bidder's Declaration, sign it and return it as part of their quotation along with Annex 3: Technical and Financial Offer. The Bidder shall fill in this form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.

| Name of Bidder: | Click or tap here to enter text. | |
|-----------------|----------------------------------|-------------------------------------|
| RFQ reference: | UNDP-TUR-RFQ(KRE)-2022-21 | Date: Click or tap to enter a date. |

Company Profile

| Item Description | Detail |
|---|---|
| Legal name of bidder or Lead entity for JVs | Click or tap here to enter text. |
| Legal Address, City, Country | Click or tap here to enter text. |
| Website | Click or tap here to enter text. |
| Year of Registration | Click or tap here to enter text. |
| Legal structure | Choose an item. |
| Are you a UNGM registered vendor? | ☐ Yes ☐ No If yes, insert UNGM Vendor Number |
| Quality Assurance Certification (e.g. ISO 9000 or Equivalent) (If yes, provide a Copy of the valid Certificate): | ☐ Yes ☐ No |
| Does your Company hold any accreditation such as ISO 14001 or ISO 14064 or equivalent related to the environment? (If yes, provide a Copy of the valid Certificate): | ☐ Yes ☐ No |
| Does your Company have a written Statement of its Environmental Policy? (If yes, provide a Copy) | ☐ Yes ☐ No |
| Does your organization demonstrate significant commitment to sustainability through some other means, for example internal company policy documents on women empowerment, renewable energies or membership of trade institutions promoting such issues (If yes, provide a Copy) | ☐ Yes ☐ No |
| Is your company a member of the UN Global Compact | ☐ Yes ☐ No |
| Bank Information | Bank Name: Click or tap here to enter text. |
| | Bank Address: Click or tap here to enter text. |
| | IBAN: Click or tap here to enter text. |
| | SWIFT/BIC: Click or tap here to enter text. |
| | Account Currency: Click or tap here to enter text. |
| | Bank Account Number: Click or tap here to enter text. |

| Previous relevant experience: | | | | |
|-------------------------------|---|-------------------|--------------------|--------------------------------|
| Name of previous contracts | Client & Reference Contact Details including e-mail | Contract Value | Period of activity | Types of activities undertaken |
| | | | | |
| | | | | |
| | | | | |

Bidder's Declaration

| Yes | No | |
|-----|----|--|
| | | Requirements and Terms and Conditions: I/We have read and fully understand the RFQ, including the RFQ Information and Data, Schedule of Requirements, the General Conditions of Contract, and any Special Conditions of Contract. I/we confirm that the Bidder agrees to be bound by them. |
| | | I/We confirm that the Bidder has the necessary capacity, capability, and necessary licenses to fully meet or exceed the Requirements and will be available to deliver throughout the relevant Contract period. |
| | | Ethics : In submitting this Quote I/we warrant that the bidder: has not entered into any improper, illegal, collusive or anti-competitive arrangements with any Competitor; has not directly or indirectly approached any representative of the Buyer (other than the Point of Contact) to lobby or solicit information in relation to the RFQ; has not attempted to influence, or provide any form of personal inducement, reward or benefit to any representative of the Buyer. |
| | | I/We confirm to undertake not to engage in proscribed practices, , or any other unethical practice, with the UN or any other party, and to conduct business in a manner that averts any financial, operational, reputational or other undue risk to the UN and we have read the United Nations Supplier Code of Conduct: https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct and acknowledge that it provides the minimum standards expected of suppliers to the UN. |
| | | Conflict of interest: I/We warrant that the bidder has no actual, potential, or perceived Conflict of Interest in submitting this Quote or entering a Contract to deliver the Requirements. Where a Conflict of Interest arises during the RFQ process the bidder will report it immediately to the Procuring Organisation's Point of Contact. |
| | | Prohibitions, Sanctions: I/We hereby declare that our firm, its affiliates or subsidiaries or employees, including any JV/Consortium members or subcontractors or suppliers for any part of the contract is not under procurement prohibition by the United Nations, including but not limited to prohibitions derived from the Compendium of United Nations Security Council Sanctions Lists and have not been suspended, debarred, sanctioned or otherwise identified as ineligible by any UN Organization or the World Bank Group or any other international Organization. |
| | | Bankruptcy : I/We have not declared bankruptcy, are not involved in bankruptcy or receivership proceedings, and there is no judgment or pending legal action against them that could impair their operations in the foreseeable future. |
| | | Offer Validity Period: I/We confirm that this Quote, including the price, remains open for acceptance for the Offer Validity. |
| | | I/We understand and recognize that you are not bound to accept any Quotation you receive, and we certify that the goods offered in our Quotation are new and unused. |

| Yes | No | |
|-----|----|--|
| | | By signing this declaration, the signatory below represents, warrants and agrees that he/she has been authorised by the Organization/s to make this declaration on its/their behalf. |

| Signature: _ | |
|--------------|----------------------------------|
| Name: | Click or tap here to enter text. |
| Title: | Click or tap here to enter text. |
| Date: | Click or tap to enter a date. |

ANNEX 3: TECHNICAL AND FINANCIAL OFFER – GOODS

Bidders are requested to complete this form, sign it and return it as part of their bid along with Annex 2: Quotation Submission Form. The Bidder shall fill in this form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.

| Name of Bidder: | Click or tap here to enter text. | |
|-----------------|----------------------------------|-------------------------------------|
| RFQ reference: | UNDP-TUR-RFQ(KRE)-2022-21 | Date: Click or tap to enter a date. |

Technical Compliance Table

IMPORTANT NOTE:

- i. Bidders shall fill out below table in English by indicating the Brand Name and Model number of the products for offered as well as the specifications of the offered products corresponding to the specifications listed in below table. If the offered product does not meet any of below minimum technical specifications, it will not be considered to be compliant and the offer will be disqualified. Please ensure that the offered product meets the minimum specifications requested below.
- ii. Product catalogue/brochure of the proposed brand/model showing detailed technical specifications of the goods shall be submitted

| # | Requested Technical Specifications | Offered technical specifications by the offeror |
|------|--|---|
| | Talep Edilen Teknik Özellikler | Firma tarafından teklif edilen teknik özellikler |
| 1. | PHOTOVOLTAIC PANELS (SOLAR PANELS) | Model/Brand Name: |
| | FOTOVOLTAİK PANELLER (GÜNEŞ | Model/Marka Adı: |
| | PANELLERÍ) | |
| 1.1. | 120 pieces Polycristal 400 Wp fotovoltaik | |
| | solar panel. | |
| | 120 adet 400 Wp gücünde fotovoltaik | |
| | güneş enerjisi paneli | |
| 1.2. | PV panels must be of the same brand and | |
| | model. | |
| | FV paneller, aynı marka ve modelde | |
| | olmalıdır. | |
| 1.3. | Solar panel module efficiency will be | |
| | (Standard Test Conditions: 1000W/m² | |
| | irradiance, 25°C module temperature and | |
| | AM=1,5 spectrum) at least 20% under | |
| | Standard Test Conditions | |
| | Güneş panel modül verimi 18ygun18rd | |
| | Test koşulları (18ygun18rd Test Koşulları: | |
| | 1000W/m² ışınım, 25ºC modül sıcaklığı ve | |

| # | Requested Technical Specifications | Offered technical specifications by the offeror |
|------|---|---|
| | Talep Edilen Teknik Özellikler | Firma tarafından teklif edilen teknik |
| | | özellikler |
| | AM=1,5 spektrum) altında en az %20 | |
| | olacaktır. | |
| 1.4. | The system voltage of the panels must be at least 1000 V. | |
| | Panellerin system voltajı en az 1000 V olmalıdır. | |
| 1.5. | Instantaneous power output tolerance of | |
| | solar panels will be in the range of $0 / + 5$ | |
| | W. This value should be clearly stated in | |
| | the catalog provided by the manufacturer. | |
| | Before the panels are shipped to the | |
| | installation area, the pallets will be | |
| | separately packed and specified according | |
| | to (+) tolerances. | |
| | Güneş panellerin anlık güç çıkış toleransı | |
| | 0/+5 W aralığında olacaktır. Bu değer | |
| | üreticinin sunmuş olduğu katalogda | |
| | açıkça belirtilmelidir. Panellerin kurulum | |
| | alanına sevkiyatı öncesinde paletler (+) | |
| | toleranslarına göre ayrılmış ve belirtilmiş | |
| | olarak paketlenecektir. | |
| 1.6. | Solar panels and fasteners will have | |
| | minimum wind resistance capacity of 130 | |
| | km / hour wind. | |
| | Güneş panelleri ve bağlantı elemanları en | |
| | az 130 km/saat hızındaki rüzgara | |
| | dayanabilecek kapasitede rüzgar | |
| | direncine sahip olacaktır. | |
| 1.7. | The connection boxes of the panels will be | |
| | at least IP 65 or equivalent and the | |
| | connectors will be at least IP67 or | |
| | equivalent protection class. | |
| | Panoların bağlantı kutuları en az IP 65 | |
| | veya eşdeğeri ve konektörler en az IP67 | |
| | veya eşdeğer koruma sınıfında olacaktır. | |

| # | Requested Technical Specifications | Offered technical specifications by the |
|-------|--|---|
| | Talep Edilen Teknik Özellikler | offeror Firma tarafından teklif edilen teknik |
| | | özellikler |
| 1.8. | Solar panels must be certified according to | |
| | IEC 61215, IEC 61730-1 and IEC 61730-2 or | |
| | equivalent standards. | |
| | Güneş panelleri IEC 61215, IEC 61730-1 ve | |
| | IEC 61730-2 veya eşdeğer standartlarına | |
| | uygunluk sertifikalı olmalıdır. | |
| 1.9. | The application standard of solar panels | |
| | should be "Class A". This standard should | |
| | be clearly stated in the product catalog. | |
| | Güneş panellerinin uygulama standard "A | |
| | Sınıfı" olmalıdır. Bu standart ürün | |
| | kataloğunda açıkça belirtilmelidir. | |
| 1.10. | PV panels will be anti-PID featured. | |
| | FV paneller anti-PID özellikli olacaktır. | |
| 1.11 | The goods will be delivered in their original | |
| | packaging, and will be guaranteed for at | |
| | least 2 (two) years after delivery. | |
| | Ürünler orjinal ambalajında teslim | |
| | edilecek, teslim edilme sonrası en az 2 (iki) | |
| | yıl garantili olacaktır. | |
| 2. | HYBRID INVERTER | |
| | HİBRİD INVERTER | |
| 2.1. | One string off-grid inverter in 60 kW | |
| | power. | |
| | Bir adet 60 kW gücünde şebeke bağlantılı | |
| | off-grid evirici | |
| 2.2. | The selected inverters will be in a structure | |
| | to continuously deliver a 3 phase full sine | |
| | wave in the form of + neutral + PE 400 V AC | |
| | output at 50 Hz. | |
| | Seçilen inverterler 50 Hz'de + nötr + PE 400 | |
| | V AC çıkış şeklinde trifaze tam sinüs dalgasını sürekli olarak verecek yapıda | |
| | olacaktır. | |
| 2.3. | There will be internally DC fuses at the (+) | |
| | and (-) pole of the string inputs. | |
| | and () pole of the string inputs. | |

| # | Requested Technical Specifications | Offered technical specifications by the offeror |
|------|---|---|
| | Talep Edilen Teknik Özellikler | Firma tarafından teklif edilen teknik |
| | | özellikler |
| | Dizi girişlerinde dahili olarak (+) ve (-) | |
| | kutupta DC sigortalar bulunacaktır. | |
| 2.4. | Inverters will have ethernet or RS485 | |
| | communication port. | |
| | invertörler ethernet veya RS485 | |
| | haberleşme portuna sahip olacaktır. | |
| 2.5. | Inverters will be in a structure that can be | |
| | monitored remotely. | |
| | İnvertörler uzaktan izlenebilir yapıda | |
| | olacaktır. | |
| 2.6. | Inverters must meet at least IP65 or | |
| | equivalent endurance standard. | |
| | İnvertörler en az IP65 veya eşdeğeri | |
| | dayanıklılık standardını sağlamalıdır | |
| 2.7. | The inverters must comply with the | |
| | standards of IEC 60068, IEC 61727, IEC | |
| | 62109-1, IEC 62109-2, IEC 62116, IEC | |
| | 61683 or equivalent and have CE or | |
| | equivalent certificate. | |
| | invertörler IEC 60068, IEC 61727, IEC | |
| | 62109-1, IEC 62109-2, IEC 62116, IEC | |
| | 61683 veya eşdeğeri standartlarına | |
| | 21ygun olmalı, CE belgesi veya eşdeğeri | |
| | belgeyi taşımalıdır. | |
| 2.8. | There should be type II surge arresters on | |
| | both AC and DC sides. | |
| | Hem AC, hem DC tarafta tip II parafudr | |
| | olmalıdır. | |
| 2.9 | The goods will be delivered in their original | |
| | packaging, and will be guaranteed for at | |
| | least 2 (two) years after delivery. | |
| | Ürünler orjinal ambalajında teslim | |
| | edilecek, teslim edilme sonrası en az 2 (iki) | |
| | yıl garantili olacaktır. | |

Financial Quotation Table

Currency of the Quotation: USD (United States Dollars) Teklifin Para Birimi: USD (ABD Doları) **INCOTERMS: DDP** Item No Total price (USD) / Unit price (USD) / / Ürün Description / Açıklama **UOM / Birim** Qty / Adet Birim Fiyat Toplam Fiyat No **Solar Panel** EΑ 120 1. Güneş Paneli Adet **Hybrid Inverter** EΑ 2. 1 Hibrid İnverter Adet Total Final and All-Inclusive Price Quotation* (USD) Herşey dahil toplam fiyat (USD)

Compliance with Requirements

| | | You Responses | | |
|----------------------------------|---------------------|----------------------------|--|--|
| | Yes, we will comply | No, we cannot comply | If you cannot comply, pls. indicate counter – offer | |
| Minimum Technical Specifications | | | Click or tap here to enter text. | |
| Delivery Term (INCOTERMS) | | | Click or tap here to enter text. | |
| Delivery Lead Time | | | Click or tap here to enter text. | |
| Warranty Requirements | | | Click or tap here to enter text. | |
| Local Service Support | | | Click or tap here to enter text. | |
| After Sales Services | | | Click or tap here to enter text. | |
| Validity of Quotation | | | Click or tap here to enter text. | |
| Payment terms | | | Click or tap here to enter text. | |

| I, the undersigned, certify that I am duly authorized to sign this quotation and bind the company below in event that the quotation is accepted. | | | |
|--|---|--|--|
| Exact name and address of company | Authorized Signature: | | |
| Company NameClick or tap here to enter text. | Date:Click or tap here to enter text. | | |
| Address: Click or tap here to enter text. | Name:Click or tap here to enter text. | | |
| Click or tap here to enter text. | Functional Title of Authorised Signatory:Click or tap here to enter text. | | |
| Phone No.:Click or tap here to enter text. | | | |
| Email Address:Click or tap here to enter text. | Email Address: Click or tap here to enter text. | | |

^{*}The Contractor shall not be entitled to receive any price difference and/or additional amount from UNDP for whatsoever reason, including but not limited to increase in the costs of the Contractor or any missing goods/services in its Price Schedule to be submitted in response to this RFQ.