

**RFQ Reference**: RFQ/21/039

Date: 22 September 2021

# SECTION 1: REQUEST FOR QUOTATION (RFQ)

UNDP kindly requests your quotation for the provision of goods, works and/or services 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

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: Ei Cho Nyunt Title: Head of Procurement

Date: September 22, 2021

# SECTION 2: RFQ INSTRUCTIONS AND DATA

Introduction	<ul> <li>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 and Procedures (POPP) on Contracts and Procurement</u></li> <li>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.</li> <li>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.</li> </ul>
Deadline for the Submission of Quotation	October 5, 2021 @ 15:00 Hours (+2 MGT) If any doubt exists as to the time zone in which the quotation should be submitted, refer to <u>http://www.timeanddate.com/worldclock/.</u>
Quotation	For eTendering submission - as indicated in eTendering system. Note that system time zone is in EST/EDT (New York) time zone.
	In the case the date and time indicated here are different from the e-Tendering system, the e-Tenderinf date and time shall prevail.
Method of	Quotations must be submitted as follows:
Submission	E-tendering Please click the link <u>https://etendering.partneragencies.org</u> and insert Event ID information below
	• <u>SDN10:</u> Event ID: <u>0000010301</u>
	Detailed instructions on how to submit, modify or cancel a bid in the eTendering system are provided in the eTendering system Bidder User Guide and Instructional videos available on this link: <u>http://www.undp.org/content/undp/en/home/operations/procurement/business</u> /procurement-notices/resources/
	⊠ Dedicated Email Address
	Bid submission address: bid.submission.sudan@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: 10 MB
	Mandatory subject of email: RFQ-21-039 Air Conditioners
	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	UNDP shall not be responsible for any costs associated with a Supplier's		
preparation	preparation and submission of a quotation, regardless of the outcome or the		
of quotation	manner of conducting the selection process.		
Supplier Code	All prospective suppliers must read the United Nations Supplier Code of		
of Conduct,	Conduct and acknowledge that it provides the minimum standards expected of		
Fraud,	suppliers to the UN. The Code of Conduct, which includes <b>principles on labour</b> ,		
Corruption,	human rights, environment and ethical conduct may be found at:		
corruption,	-		
	https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct		
	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/o		
	ffice of audit and investigation.html#anti		
Gifts and	Bidders/vendors shall not offer gifts or hospitality of any kind to UNDP staff		
Hospitality	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	UNDP requires every prospective Supplier to avoid and prevent conflicts of		
Interest	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.		
	Philipping and the last includes the philipping of the state of the st		
	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	Any Purchase Order or contract that will be issued as a result of this RFQ shall be		
Conditions of	subject to the General Conditions of Contract		
	subject to the General Conditions of Contract Image: Conditions of Contract Conditions for Contract.		

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Special	<ul> <li>General Terms and Conditions for de minimis contracts (services only, less than \$50,000)</li> <li>General Terms and Conditions for Works</li> <li>Applicable Terms and Conditions and other provisions are available at UNDP/How-we-buy</li> <li>Cancellation of PO/Contract if the delivery/completion is delayed by 10 working</li> </ul>
Conditions of	days.
Contract	
	If the Supplier fails to supply the specified goods within the time period(s) stipulated by the purchase order, the Purchaser shall, without prejudice to its other remedies under the contract, deduct from the Purchase Order price, as liquidated damages, a sum equivalent to 0.5 percent of the delivered price of the delayed goods for each week of delay until actual delivery, up to a maximum deduction of 10 percent of the delayed goods Purchase Order price. Once the maximum is reached, the Purchaser may consider termination of the Purchase Order
<b>Eligibility</b> A vendor who will be engaged by UNDP may not be suspended, deba otherwise identified as ineligible by any UN Organization or the Worl Group or any other international Organization. Vendors are therefore required disclose to UNDP whether they are subject to any sanction or ten suspension imposed by these organizations. Failure to do so may retermination of any contract or PO subsequently issued to the vendor by U It is the Bidder's responsibility to ensure that its employees, joint of the suspension imposed by the suspension in the suspension in the suspension is a suspension of any contract or PO subsequently issued to the vendor by U It is the Bidder's responsibility to ensure that its employees, joint of the suspension is th	
	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	Quotations shall be quoted in:
Quotation	☑ Local Currency SDG, or
	⊠USD
	For evaluation purposes, bids submitted in local mcurrency (SDG) shall be
	converted to USD using the UN Operational Exchange Rate at time of bid
	closure.
Joint Venture,	If the Bidder is a group of legal entities that will form or have formed a Joint
Consortium	Venture (JV), Consortium or Association for the Bid, they shall confirm in their Bid
or Association	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:
	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	Article II, Section 7, of the Convention on the Privileges and Immunities
taxes	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:
	$\boxtimes$ be inclusive of VAT and other applicable indirect taxes
	$\Box$ be exclusive of VAT and other applicable indirect taxes
Language of	English
quotation	Including documentation including catalogues, instructions and operating
	manuals.
Documents to	Bidders shall include the following documents in their quotation:
be 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
	🖾 Company Profile.
	⊠ Registration certificate;
	☑ List and value of minimum 2 projects (Contracts/ POs) performed for the last 3
	years plus client's contact details who may be contacted for further information
	on those contracts.
	Statement of satisfactory Performance (Certificates) <b>OR</b> List from the top 2
	clients in terms of Contract value in similar field with contacts details (address,
	telephone and / or email)
	☑ Confirmation / Proof of availability of local after sale services
Quotation	Quotations shall remain valid for 90 days from the deadline for the Submission
validity	of Quotation.
period	
Price	No price variation due to escalation, inflation, fluctuation in exchange rates, or
variation	any other market factors shall be accepted at any time during the validity of the
	quotation after the quotation has been received.
Partial Quotes	□ Not permitted
	$\boxtimes$ Permitted for each complete lot.
Alternative	⊠ Permitted
Quotes	If permitted, an alternative quote may be submitted only if a conforming quote
	to the RFQ requirements is submitted. Where the conditions for its acceptance

	are met, or justifications are clearly established, UNDP reserves the right to	
	award a contract based on an alternative quote. If multiple/alternative quotes	
	are being submitted, they must be clearly marked as "Main Quote" and	
	"Alternative Quote"	
Payment	☑ 100% within 30 days after receipt of goods, works and/or services and	
Terms         submission of payment documentation.		
<b>Conditions for</b>	nditions for Passing Inspection , Testing and Commissioning / Complete Installation	
<b>Release of</b> I Written Acceptance of Goods, Services and Works, based on full co		
Payment	<ul> <li>Written Acceptance of Goods, Services and Works, based on full compliance with RFQ requirements</li> <li>Submission of final invoice.</li> </ul>	
-	Submission of final invoice.	
Contact	ct E-mail address: <u>sidig.mohamed@undp.org</u>	
<b>Person for</b> Attention: Quotations shall not be submitted to this address but to		
corresponden for quotation submission above (e-Tendering System). Otherwise, offe		
ce, disqualified.		
<b>notifications</b> Any delay in UNDP's response shall be not used as a reason for exten		
and deadline for submission, unless UNDP determines that such an exten		
clarifications	necessary and communicates a new deadline to the Proposers.	
Clarifications	Requests for clarification from bidders will not be accepted any later than 5 days	
	before the submission deadline. Responses to request for clarification will be	
	communicated through e-Tendering System	
Evaluation	⊠The Contract or Purchase Order will be awarded to the lowest price	
method	substantially compliant offer for each lot.	
	UNDP will select / recommend two to three bidders for each lot.	
Evaluation	☑ Full compliance with all requirements as specified in Annex 1	
<b>criteria</b> Full acceptance of the General Conditions of Contract		
	Comprehensiveness of after-sales services	
	Earliest Delivery /shortest lead time	
<ul> <li>Earliest Delivery /shortest lead time</li> <li>Proof of presence of company / permission to operate in the company / p</li></ul>		
	after-sales service including capacity and appropriateness of service network	
	$\boxtimes$ For each purchase call off, LTA holder shall deliver the goods to UNDP Office	
	in Khartoum, Sudan within (4) Weeks from award of Purchase Order including	
	manufacturing/ production/ modification time. However, if the delivery schedule	
	can't be met, please provide your best delivery time. UNDP's evaluation team	
	will decide whether the alternate delivery time is acceptable or not as decision	
	to award the contract will be based on both pricing and delivery time. UNDP	
	reserves the right to accept or reject all or any offer and to split the award.	
	$\boxtimes$ If, within 12 months after the goods have been put into service, any defects	
	are discovered or arise in the normal course of usage, the Supplier shall remedy	
	the defect either by replacement or by repair.	
Right not to	UNDP is not bound to accept any quotation, nor award a contract or Purchase	
accept any	Order	
quotation		
Right to vary	At the time of award of Contract or Purchase Order, UNDP reserves the right to	
requirement	vary (increase or decrease) the quantity of services and/or goods, by up to a	
<b>at time of</b> at time twenty-five per cent (25%) of the total offer, without any ch		
<b>at time of</b> maximum twenty-five per cent (25%) of the total offer, without any chan award the unit price or other terms and conditions.		
Type of	⊠ Purchase Order	
Contract to be	☑ Contract Face Sheet (Goods and or Services) (this template is also utilised for	
awarded	Long-Term Agreement) and if an LTA will be signed, specify the document that	
	will trigger the call-off. E.g., PO, etc.)	
	win ungger the call-off. L.g., FO, Ett.J	

Expected date	01 December 2021	
for contract		
award.		
<b>Publication of</b>	UNDP will publish the contract awards valued at USD 100,000 and more on the	
Contract	websites of the CO and the corporate UNDP Web site.	
Award		
Policies and	This RFQ is conducted in accordance with UNDP Programme and Operations	
procedures	Policies and Procedures	
UNGM	Any Contract resulting from this RFQ exercise will be subject to the supplier	
<b>registration</b> being registered at the appropriate level on the United Nations Glo		
	Marketplace (UNGM) website at <u>www.ungm.org</u> .	
	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**

## **Technical Specifications for Goods**

### LOT 1: Electrical Air Conditioner

ltem #	ltems to be Supplied	Description / Specifications of Goods
1	12,000 BTU/h	General Specifications:
	Split Unit	Energy Star Certified: Yes
	Wall-	Cooling Capacity: 12,000 BTU/h
	<b>Mounted Air</b>	Refrigerant Type: Eco friendly refrigerant R410A or R32
	Conditioner	Compressor Type: Inverter Compressor technology
		Compressor warranty: 5 Years
		Power Source (V/Hz/Ø) : 230/50/1
		Control : Microprocessor controlled codeless remote
		Display: LED/LCD
		Remote control distance : Min 10 meters
		Air Direction Control: 4-Way
		The outdoor units shall be the factory assembled modular type
		housed in a sturdy weatherproof casing constructed from rust-
		proofed mild steel panels and coated with baked enamel finish. They
		shall be suitable for side by side installation.
		Power Input should be stated in certified data sheet.
		Coefficient of Performance COP, Energy Efficiency ratio EER, Seasonal
		Energy Efficiency Ratio SEER, should be stated in certified data sheet.
2	18,000 BTU/h	General Specifications:
	Split Unit	Energy Star Certified: Yes
	Wall-	Cooling Capacity: 18,000 BTU/h
	Mounted Air	Refrigerant Type: Eco friendly refrigerant R410A or R32
	Conditioner	Compressor Type: Inverter Compressor technology
		Compressor warranty: 5 Years
		Power Source (V/Hz/Ø) : 230/50/1
		Control : Microprocessor controlled codeless remote
		Display: LED/LCD
		Remote control distance : Min 10 meters
		Air Direction Control: 4-Way
		The outdoor units shall be the factory assembled modular type
		housed in a sturdy weatherproof casing constructed from rust-
		proofed mild steel panels and coated with baked enamel finish. They
		shall be suitable for side by side installation.
		Power Input should be stated in certified data sheet.
		Coefficient of Performance COP, Energy Efficiency ratio EER, Seasonal
		Energy Efficiency Ratio SEER, should be stated in certified data sheet.

ltem #	Items to be Supplied	Description / Specifications of Goods
3	24,000 BTU/h	General Specifications:
	Split Unit	Energy Star Certified: Yes
	Wall-	Cooling Capacity: 24,000 BTU/h
	<b>Mounted Air</b>	Refrigerant Type: Eco friendly refrigerant R410A or R32
	Conditioner	Compressor Type: Inverter Compressor technology
		Compressor warranty: 5 Years
		Power Source (V/Hz/Ø) : 230/50/1
		Control : Microprocessor controlled codeless remote
		Display: LED/LCD
		Remote control distance : Min 10 meters
		Air Direction Control: 4-Way
		The outdoor units shall be the factory assembled modular type
		housed in a sturdy weatherproof casing constructed from rust-
		proofed mild steel panels and coated with baked enamel finish. They
		shall be suitable for side by side installation.
		Power Input should be stated in certified data sheet.
		Coefficient of Performance COP, Energy Efficiency ratio EER, Seasonal
		Energy Efficiency Ratio SEER, should be stated in certified data sheet.
4	30,000 BTU/h	General Specifications:
	Split Unit	Energy Star Certified: Yes
	Wall-	Cooling Capacity: 30,000 BTU/h
	<b>Mounted Air</b>	Refrigerant Type: Eco friendly refrigerant R410A or R32
	Conditioner	Compressor Type: Inverter Compressor technology
		Compressor warranty: 5 Years
		Power Source (V/Hz/Ø) : 230/50/1
		Control : Microprocessor controlled codeless remote
		Display: LED/LCD
		Remote control distance : Min 10 meters
		Air Direction Control: 4-Way
		The outdoor units shall be the factory assembled modular type
		housed in a sturdy weatherproof casing constructed from rust-
		proofed mild steel panels and coated with baked enamel finish. They
		shall be suitable for side by side installation.
		Power Input should be stated in certified data sheet.
		Coefficient of Performance COP, Energy Efficiency ratio EER, Seasonal
		Energy Efficiency Ratio SEER, should be stated in certified data sheet.
5	36,000 BTU/h	General Specifications:
	Split Unit	Energy Star Certified: Yes
	Wall-	Cooling Capacity: 36,000 BTU/h
	<b>Mounted Air</b>	Refrigerant Type: Eco friendly refrigerant R410A or R32
	Conditioner	Compressor Type: Inverter Compressor technology
		Compressor warranty: 5 Years
		Power Source (V/Hz/Ø) : 230/50/1
		Control : Microprocessor controlled codeless remote
		Display: LED/LCD

ltem #	Items to be Supplied	Description / Specifications of Goods
		Remote control distance : Min 10 meters
		Air Direction Control: 4-Way
		The outdoor units shall be the factory assembled modular type
		housed in a sturdy weatherproof casing constructed from rust-
		proofed mild steel panels and coated with baked enamel finish. They
		shall be suitable for side by side installation.
		Power Input should be stated in certified data sheet.
		Coefficient of Performance COP, Energy Efficiency ratio EER, Seasonal
		Energy Efficiency Ratio SEER, should be stated in certified data sheet.
6	12,000 BTU/h	General Specifications:
	Cassette Split	Energy Star Certified: Yes
	Air	Cooling Capacity: 12,000 BTU/h
	Conditioner	Refrigerant Type: Eco friendly refrigerant R410A or R32
		Compressor Type: Inverter Compressor technology
		Compressor warranty: 5 Years
		Power Source (V/Hz/Ø) : 230/50/1
		Control : Microprocessor controlled codeless remote
		Display: LED/LCD
		Remote control distance : Min 10 meters
		Air Direction Control: 4-Way
		The outdoor units shall be the factory assembled modular type
		housed in a sturdy weatherproof casing constructed from rust- proofed mild steel panels and coated with baked enamel finish. They
		shall be suitable for side by side installation.
		Power Input should be stated in certified data sheet.
		Coefficient of Performance COP, Energy Efficiency ratio EER, Seasonal
		Energy Efficiency Ratio SEER, should be stated in certified data sheet.
7	18,000 BTU/h	General Specifications:
	Cassette Split	Energy Star Certified: Yes
	Air	Cooling Capacity: 18,000 BTU/h
	Conditioner	Refrigerant Type: Eco friendly refrigerant R410A or R32
		Compressor Type: Inverter Compressor technology
		Compressor warranty: 5 Years
		Power Source (V/Hz/Ø) : 230/50/1
		Control : Microprocessor controlled codeless remote
		Display: LED/LCD
		Remote control distance : Min 10 meters
		Air Direction Control: 4-Way
		The outdoor units shall be the factory assembled modular type
		housed in a sturdy weatherproof casing constructed from rust-
		proofed mild steel panels and coated with baked enamel finish. They
		shall be suitable for side by side installation.
		Power Input should be stated in certified data sheet.
		Coefficient of Performance COP, Energy Efficiency ratio EER, Seasonal
		Energy Efficiency Ratio SEER, should be stated in certified data sheet.

ltem #	ltems to be Supplied	Description / Specifications of Goods
8	24,000 BTU/h	General Specifications:
	Cassette Split	Energy Star Certified: Yes
	Air	Cooling Capacity: 24,000 BTU/h
	Conditioner	Refrigerant Type: Eco friendly refrigerant R410A or R32
		Compressor Type: Inverter Compressor technology
		Compressor warranty: 5 Years
		Power Source (V/Hz/Ø) : 230/50/1
		Control : Microprocessor controlled codeless remote
		Display: LED/LCD Remote control distance : Min 10 meters
		Air Direction Control: 4-Way
		The outdoor units shall be the factory assembled modular type
		housed in a sturdy weatherproof casing constructed from rust-
		proofed mild steel panels and coated with baked enamel finish. They
		shall be suitable for side by side installation.
		Power Input should be stated in certified data sheet.
		Coefficient of Performance COP, Energy Efficiency ratio EER, Seasonal
		Energy Efficiency Ratio SEER, should be stated in certified data sheet.
9	30,000 BTU/h	General Specifications:
	Cassette Split	Energy Star Certified: Yes
	Air	Cooling Capacity: 30,000 BTU/h
	Conditioner	Refrigerant Type: Eco friendly refrigerant R410A or R32
		Compressor Type: Inverter Compressor technology
		Compressor warranty: 5 Years
		Power Source (V/Hz/Ø) : 230/50/1
		Control : Microprocessor controlled codeless remote
		Display: LED/LCD
		Remote control distance : Min 10 meters
		Air Direction Control: 4-Way
		The outdoor units shall be the factory assembled modular type
		housed in a sturdy weatherproof casing constructed from rust-
		proofed mild steel panels and coated with baked enamel finish. They
		shall be suitable for side by side installation.
		Power Input should be stated in certified data sheet.
		Coefficient of Performance COP, Energy Efficiency ratio EER, Seasonal
10		Energy Efficiency Ratio SEER, should be stated in certified data sheet.
10	36,000 BTU/h	General Specifications:
	Cassette Split	Energy Star Certified: Yes
	Air Conditioner	Cooling Capacity: 36,000 BTU/h (1 Ton) Refrigerant Type: Eco friendly refrigerant P410A or P32
	conditioner	Refrigerant Type: Eco friendly refrigerant R410A or R32
		Compressor Type: Inverter Compressor technology Compressor warranty: 5 Years
		Power Source (V/Hz/Ø) : 230/50/1
		Control : Microprocessor controlled codeless remote
		Display: LED/LCD

ltem #	Items to be Supplied	Description / Specifications of Goods
		Remote control distance : Min 10 meters
		Air Direction Control: 4-Way
		The outdoor units shall be the factory assembled modular type
		housed in a sturdy weatherproof casing constructed from rust-
		proofed mild steel panels and coated with baked enamel finish. They
		shall be suitable for side by side installation.
		Power Input should be stated in certified data sheet.
		Coefficient of Performance COP, Energy Efficiency ratio EER, Seasonal
		Energy Efficiency Ratio SEER, should be stated in certified data sheet.

# LOT 2: Solar Hybrid Air Conditioners

ltem #	Items to be Supplied	Description / Specifications of Goods
1	12,000 BTU/h	General Specifications:
	Split Unit Wall-	Energy Star Certified: Yes
	Mounted	Cooling Capacity: 12,000 BTU/h
	Hybrid Solar	Refrigerant Type: Eco friendly refrigerant R410A or R32
	Air	Compressor Type: Inverter Compressor technology
	Conditioner	Compressor warranty: 5 Years
		Power Source (V/Hz/Ø) : 230/50/1
		Control : Microprocessor controlled codeless remote
		Display: LED/LCD
		Remote control distance : Min 10 meters
		Air Direction Control: 4-Way
		The outdoor units shall be the factory assembled modular type
		housed in a sturdy weatherproof casing constructed from rust-
		proofed mild steel panels and coated with baked enamel finish. They
		shall be suitable for side by side installation.
		Power Input should be stated in certified data sheet.
		Coefficient of Performance COP, Energy Efficiency ratio EER, Seasonal
		Energy Efficiency Ratio SEER, should be stated in certified data sheet.
2	18,000 BTU/h	General Specifications:
	Split Unit Wall-	Energy Star Certified: Yes
	Mounted	Cooling Capacity: 18,000 BTU
	Hybrid Solar	Refrigerant Type: Eco friendly refrigerant R410A or R32
	Air	Compressor Type: Inverter Compressor technology
	Conditioner	Compressor warranty: 5 Years
		Power Source (V/Hz/Ø) : 230/50/1
		Power Source – DC: Solar PV Panels enough to run the AC with
		above specifications (Complete set including connections, brackets
		etc.)
		Control : Microprocessor controlled codeless remote
		Display: LED/LCD
		Remote control distance : Min 10 meters
		Air Direction Control: 4-Way

		The outdoor units shall be the factory assembled modular type
		housed in a sturdy weatherproof casing constructed from rust-
		proofed mild steel panels and coated with baked enamel finish. They
		shall be suitable for side by side installation.
		Power Input should be stated in certified data sheet.
		Coefficient of Performance COP, Energy Efficiency ratio EER, Seasonal
		Energy Efficiency Ratio SEER, should be stated in certified data sheet.
3	24,000 BTU/h	General Specifications:
	Split Unit Wall-	Energy Star Certified: Yes
	Mounted	Cooling Capacity: 24,000 BTU
	Hybrid Solar	Refrigerant Type: Eco friendly refrigerant R410A or R32
	Air	Compressor Type: Inverter Compressor technology
	Conditioner	Compressor warranty: 5 Years
		Power Source (V/Hz/Ø) : 230/50/1
		Power Source – DC: Solar PV Panels enough to run the AC with
		above specifications (Complete set including connections, brackets
		etc.)
		Control : Microprocessor controlled codeless remote
		Display: LED/LCD
		Remote control distance : Min 10 meters
		Air Direction Control: 4-Way
		The outdoor units shall be the factory assembled modular type
		housed in a sturdy weatherproof casing constructed from rust-
		proofed mild steel panels and coated with baked enamel finish. They
		shall be suitable for side by side installation.
		Power Input should be stated in certified data sheet.
		Coefficient of Performance COP, Energy Efficiency ratio EER, Seasonal
		Energy Efficiency Ratio SEER, should be stated in certified data sheet.
4	30,000 BTU/h	General Specifications:
	Split Unit Wall-	Energy Star Certified: Yes
	Mounted	Cooling Capacity: 30,000 BTU
	Hybrid Solar	Refrigerant Type: Eco friendly refrigerant R410A or R32
	Air	Compressor Type: Inverter Compressor technology
	Conditioner	Compressor warranty: 5 Years
		Power Source (V/Hz/Ø) : 230/50/1
		Power Source – DC: Solar PV Panels enough to run the AC with
		above specifications (Complete set including connections, brackets
		etc.)
		Control : Microprocessor controlled codeless remote
		Display: LED/LCD
		Remote control distance : Min 10 meters
		Air Direction Control: 4-Way
		The outdoor units shall be the factory assembled modular type
		housed in a sturdy weatherproof casing constructed from rust-
		proofed mild steel panels and coated with baked enamel finish. They
		shall be suitable for side by side installation.
1		shan be suitable for side by side installation.
		Power Input should be stated in certified data sheet.

		Coefficient of Performance COP, Energy Efficiency ratio EER, Seasonal
		Energy Efficiency Ratio SEER, should be stated in certified data sheet.
5	36,000 BTU/h	General Specifications:
	Split Unit Wall-	Energy Star Certified: Yes
	Mounted	Cooling Capacity: 36,000 BTU
	Hybrid Solar	Refrigerant Type: Eco friendly refrigerant R410A or R32
	Air	Compressor Type: Inverter Compressor technology
	Conditioner	Compressor warranty: 5 Years
		Power Source (V/Hz/Ø) : 230/50/1
		Power Source – DC: Solar PV Panels enough to run the AC with
		above specifications (Complete set including connections, brackets
		etc.)
		Control : Microprocessor controlled codeless remote
		Display: LED/LCD
		Remote control distance : Min 10 meters
		Air Direction Control: 4-Way
		The outdoor units shall be the factory assembled modular type
		housed in a sturdy weatherproof casing constructed from rust-
		proofed mild steel panels and coated with baked enamel finish. They
		shall be suitable for side by side installation.
		Power Input should be stated in certified data sheet.
		Coefficient of Performance COP, Energy Efficiency ratio EER, Seasonal
		Energy Efficiency Ratio SEER, should be stated in certified data sheet.
6	12,000 BTU/h	General Specifications:
	Cassette Split	Energy Star Certified: Yes
	Hybrid Solar	Cooling Capacity: 12,000 BTU
	Air	Refrigerant Type: Eco friendly refrigerant R410A or R32
	Conditioner	Compressor Type: Inverter Compressor technology
		Compressor warranty: 5 Years
		Power Source (V/Hz/Ø) : 230/50/1
		Power Source – DC: Solar PV Panels enough to run the AC with
		above specifications (Complete set including connections, brackets
		etc.)
		Control : Microprocessor controlled codeless remote
		Display: LED/LCD
		Remote control distance : Min 10 meters
		Air Direction Control: 4-Way
		The outdoor units shall be the factory assembled modular type
		housed in a sturdy weatherproof casing constructed from rust-
		proofed mild steel panels and coated with baked enamel finish. They
		shall be suitable for side by side installation.
		Power Input should be stated in certified data sheet.
		Coefficient of Performance COP, Energy Efficiency ratio EER, Seasonal
		Energy Efficiency Ratio SEER, should be stated in certified data sheet.

7	18,000 BTU/h	General Specifications:
	Cassette Split	Energy Star Certified: Yes
	Hybrid Solar	Cooling Capacity: 18,000 BTU
	Air	Refrigerant Type: Eco friendly refrigerant R410A or R32
	Conditioner	Compressor Type: Inverter Compressor technology
		Compressor warranty: 5 Years
		Power Source (V/Hz/Ø) : 230/50/1
		Power Source – DC: Solar PV Panels enough to run the AC with
		above specifications (Complete set including connections, brackets
		etc.)
		Control : Microprocessor controlled codeless remote
		Display: LED/LCD
		Remote control distance : Min 10 meters
		Air Direction Control: 4-Way
		The outdoor units shall be the factory assembled modular type
		housed in a sturdy weatherproof casing constructed from rust-
		proofed mild steel panels and coated with baked enamel finish. They
		shall be suitable for side by side installation.
		Power Input should be stated in certified data sheet.
		Coefficient of Performance COP, Energy Efficiency ratio EER, Seasonal
		Energy Efficiency Ratio SEER, should be stated in certified data sheet.
8	24,000 BTU/h	General Specifications:
8	24,000 BTU/h Cassette Split	General Specifications: Energy Star Certified: Yes
8		· · ·
8	Cassette Split Hybrid Solar Air	Energy Star Certified: Yes
8	Cassette Split Hybrid Solar	Energy Star Certified: Yes Cooling Capacity: 24,000 BTU
8	Cassette Split Hybrid Solar Air	Energy Star Certified: Yes Cooling Capacity: 24,000 BTU Refrigerant Type: Eco friendly refrigerant R410A or R32
8	Cassette Split Hybrid Solar Air	Energy Star Certified: Yes Cooling Capacity: 24,000 BTU Refrigerant Type: Eco friendly refrigerant R410A or R32 Compressor Type: Inverter Compressor technology
8	Cassette Split Hybrid Solar Air	Energy Star Certified: Yes Cooling Capacity: 24,000 BTU Refrigerant Type: Eco friendly refrigerant R410A or R32 Compressor Type: Inverter Compressor technology Compressor warranty: 5 Years
8	Cassette Split Hybrid Solar Air	Energy Star Certified: Yes Cooling Capacity: 24,000 BTU Refrigerant Type: Eco friendly refrigerant R410A or R32 Compressor Type: Inverter Compressor technology Compressor warranty: 5 Years Power Source (V/Hz/Ø) : 230/50/1
8	Cassette Split Hybrid Solar Air	<ul> <li>Energy Star Certified: Yes</li> <li>Cooling Capacity: 24,000 BTU</li> <li>Refrigerant Type: Eco friendly refrigerant R410A or R32</li> <li>Compressor Type: Inverter Compressor technology</li> <li>Compressor warranty: 5 Years</li> <li>Power Source (V/Hz/Ø) : 230/50/1</li> <li>Power Source – DC: Solar PV Panels enough to run the AC with above specifications (Complete set including connections, brackets etc.)</li> </ul>
8	Cassette Split Hybrid Solar Air	<ul> <li>Energy Star Certified: Yes</li> <li>Cooling Capacity: 24,000 BTU</li> <li>Refrigerant Type: Eco friendly refrigerant R410A or R32</li> <li>Compressor Type: Inverter Compressor technology</li> <li>Compressor warranty: 5 Years</li> <li>Power Source (V/Hz/Ø) : 230/50/1</li> <li>Power Source – DC: Solar PV Panels enough to run the AC with above specifications (Complete set including connections, brackets etc.)</li> <li>Control : Microprocessor controlled codeless remote</li> </ul>
8	Cassette Split Hybrid Solar Air	<ul> <li>Energy Star Certified: Yes</li> <li>Cooling Capacity: 24,000 BTU</li> <li>Refrigerant Type: Eco friendly refrigerant R410A or R32</li> <li>Compressor Type: Inverter Compressor technology</li> <li>Compressor warranty: 5 Years</li> <li>Power Source (V/Hz/Ø) : 230/50/1</li> <li>Power Source – DC: Solar PV Panels enough to run the AC with above specifications (Complete set including connections, brackets etc.)</li> <li>Control : Microprocessor controlled codeless remote Display: LED/LCD</li> </ul>
8	Cassette Split Hybrid Solar Air	<ul> <li>Energy Star Certified: Yes</li> <li>Cooling Capacity: 24,000 BTU</li> <li>Refrigerant Type: Eco friendly refrigerant R410A or R32</li> <li>Compressor Type: Inverter Compressor technology</li> <li>Compressor warranty: 5 Years</li> <li>Power Source (V/Hz/Ø) : 230/50/1</li> <li>Power Source – DC: Solar PV Panels enough to run the AC with above specifications (Complete set including connections, brackets etc.)</li> <li>Control : Microprocessor controlled codeless remote</li> <li>Display: LED/LCD</li> <li>Remote control distance : Min 10 meters</li> </ul>
8	Cassette Split Hybrid Solar Air	<ul> <li>Energy Star Certified: Yes</li> <li>Cooling Capacity: 24,000 BTU</li> <li>Refrigerant Type: Eco friendly refrigerant R410A or R32</li> <li>Compressor Type: Inverter Compressor technology</li> <li>Compressor warranty: 5 Years</li> <li>Power Source (V/Hz/Ø) : 230/50/1</li> <li>Power Source – DC: Solar PV Panels enough to run the AC with above specifications (Complete set including connections, brackets etc.)</li> <li>Control : Microprocessor controlled codeless remote</li> <li>Display: LED/LCD</li> <li>Remote control distance : Min 10 meters</li> <li>Air Direction Control: 4-Way</li> </ul>
8	Cassette Split Hybrid Solar Air	<ul> <li>Energy Star Certified: Yes</li> <li>Cooling Capacity: 24,000 BTU</li> <li>Refrigerant Type: Eco friendly refrigerant R410A or R32</li> <li>Compressor Type: Inverter Compressor technology</li> <li>Compressor warranty: 5 Years</li> <li>Power Source (V/Hz/Ø) : 230/50/1</li> <li>Power Source – DC: Solar PV Panels enough to run the AC with above specifications (Complete set including connections, brackets etc.)</li> <li>Control : Microprocessor controlled codeless remote</li> <li>Display: LED/LCD</li> <li>Remote control distance : Min 10 meters</li> <li>Air Direction Control: 4-Way</li> <li>The outdoor units shall be the factory assembled modular type</li> </ul>
8	Cassette Split Hybrid Solar Air	<ul> <li>Energy Star Certified: Yes</li> <li>Cooling Capacity: 24,000 BTU</li> <li>Refrigerant Type: Eco friendly refrigerant R410A or R32</li> <li>Compressor Type: Inverter Compressor technology</li> <li>Compressor warranty: 5 Years</li> <li>Power Source (V/Hz/Ø) : 230/50/1</li> <li>Power Source – DC: Solar PV Panels enough to run the AC with above specifications (Complete set including connections, brackets etc.)</li> <li>Control : Microprocessor controlled codeless remote</li> <li>Display: LED/LCD</li> <li>Remote control distance : Min 10 meters</li> <li>Air Direction Control: 4-Way</li> <li>The outdoor units shall be the factory assembled modular type housed in a sturdy weatherproof casing constructed from rust-</li> </ul>
8	Cassette Split Hybrid Solar Air	<ul> <li>Energy Star Certified: Yes</li> <li>Cooling Capacity: 24,000 BTU</li> <li>Refrigerant Type: Eco friendly refrigerant R410A or R32</li> <li>Compressor Type: Inverter Compressor technology</li> <li>Compressor warranty: 5 Years</li> <li>Power Source (V/Hz/Ø) : 230/50/1</li> <li>Power Source – DC: Solar PV Panels enough to run the AC with above specifications (Complete set including connections, brackets etc.)</li> <li>Control : Microprocessor controlled codeless remote</li> <li>Display: LED/LCD</li> <li>Remote control distance : Min 10 meters</li> <li>Air Direction Control: 4-Way</li> <li>The outdoor units shall be the factory assembled modular type housed in a sturdy weatherproof casing constructed from rust-proofed mild steel panels and coated with baked enamel finish. They</li> </ul>
8	Cassette Split Hybrid Solar Air	<ul> <li>Energy Star Certified: Yes</li> <li>Cooling Capacity: 24,000 BTU</li> <li>Refrigerant Type: Eco friendly refrigerant R410A or R32</li> <li>Compressor Type: Inverter Compressor technology</li> <li>Compressor warranty: 5 Years</li> <li>Power Source (V/Hz/Ø) : 230/50/1</li> <li>Power Source – DC: Solar PV Panels enough to run the AC with above specifications (Complete set including connections, brackets etc.)</li> <li>Control : Microprocessor controlled codeless remote</li> <li>Display: LED/LCD</li> <li>Remote control distance : Min 10 meters</li> <li>Air Direction Control: 4-Way</li> <li>The outdoor units shall be the factory assembled modular type housed in a sturdy weatherproof casing constructed from rust-proofed mild steel panels and coated with baked enamel finish. They shall be suitable for side by side installation.</li> </ul>
8	Cassette Split Hybrid Solar Air	<ul> <li>Energy Star Certified: Yes</li> <li>Cooling Capacity: 24,000 BTU</li> <li>Refrigerant Type: Eco friendly refrigerant R410A or R32</li> <li>Compressor Type: Inverter Compressor technology</li> <li>Compressor warranty: 5 Years</li> <li>Power Source (V/Hz/Ø) : 230/50/1</li> <li>Power Source – DC: Solar PV Panels enough to run the AC with above specifications (Complete set including connections, brackets etc.)</li> <li>Control : Microprocessor controlled codeless remote</li> <li>Display: LED/LCD</li> <li>Remote control distance : Min 10 meters</li> <li>Air Direction Control: 4-Way</li> <li>The outdoor units shall be the factory assembled modular type housed in a sturdy weatherproof casing constructed from rust-proofed mild steel panels and coated with baked enamel finish. They shall be suitable for side by side installation.</li> <li>Power Input should be stated in certified data sheet.</li> </ul>
8	Cassette Split Hybrid Solar Air	<ul> <li>Energy Star Certified: Yes</li> <li>Cooling Capacity: 24,000 BTU</li> <li>Refrigerant Type: Eco friendly refrigerant R410A or R32</li> <li>Compressor Type: Inverter Compressor technology</li> <li>Compressor warranty: 5 Years</li> <li>Power Source (V/Hz/Ø) : 230/50/1</li> <li>Power Source – DC: Solar PV Panels enough to run the AC with above specifications (Complete set including connections, brackets etc.)</li> <li>Control : Microprocessor controlled codeless remote</li> <li>Display: LED/LCD</li> <li>Remote control distance : Min 10 meters</li> <li>Air Direction Control: 4-Way</li> <li>The outdoor units shall be the factory assembled modular type housed in a sturdy weatherproof casing constructed from rust-proofed mild steel panels and coated with baked enamel finish. They shall be suitable for side by side installation.</li> </ul>

9	30,000 BTU/h	General Specifications:
	Cassette Split	Energy Star Certified: Yes
	Hybrid Solar	Cooling Capacity: 12,000 BTU
	Air	Refrigerant Type: Eco friendly refrigerant R410A or R32
	Conditioner	Compressor Type: Inverter Compressor technology
		Compressor warranty: 5 Years
		Power Source (V/Hz/Ø) : 230/50/1
		Power Source – DC: Solar PV Panels enough to run the AC with
		above specifications (Complete set including connections, brackets
		etc.)
		Control : Microprocessor controlled codeless remote
		Display: LED/LCD
		Remote control distance : Min 10 meters
		Air Direction Control: 4-Way
		The outdoor units shall be the factory assembled modular type
		housed in a sturdy weatherproof casing constructed from rust-
		proofed mild steel panels and coated with baked enamel finish. They
		shall be suitable for side by side installation.
		Power Input should be stated in certified data sheet.
		Coefficient of Performance COP, Energy Efficiency ratio EER, Seasonal
		Energy Efficiency Ratio SEER, should be stated in certified data sheet.
10	36,000 BTU/h	General Specifications:
10	Cassette Split	Energy Star Certified: Yes
10	Cassette Split Hybrid Solar	Energy Star Certified: Yes Cooling Capacity: 36,000 BTU
10	Cassette Split Hybrid Solar Air	Energy Star Certified: Yes Cooling Capacity: 36,000 BTU Refrigerant Type: Eco friendly refrigerant R410A or R32
10	Cassette Split Hybrid Solar	Energy Star Certified: Yes Cooling Capacity: 36,000 BTU Refrigerant Type: Eco friendly refrigerant R410A or R32 Compressor Type: Inverter Compressor technology
10	Cassette Split Hybrid Solar Air	Energy Star Certified: Yes Cooling Capacity: 36,000 BTU Refrigerant Type: Eco friendly refrigerant R410A or R32 Compressor Type: Inverter Compressor technology Compressor warranty: 5 Years
10	Cassette Split Hybrid Solar Air	Energy Star Certified: Yes Cooling Capacity: 36,000 BTU Refrigerant Type: Eco friendly refrigerant R410A or R32 Compressor Type: Inverter Compressor technology Compressor warranty: 5 Years Power Source (V/Hz/Ø) : 230/50/1
10	Cassette Split Hybrid Solar Air	Energy Star Certified: Yes Cooling Capacity: 36,000 BTU Refrigerant Type: Eco friendly refrigerant R410A or R32 Compressor Type: Inverter Compressor technology Compressor warranty: 5 Years Power Source (V/Hz/Ø) : 230/50/1 Power Source – DC: Solar PV Panels enough to run the AC with
10	Cassette Split Hybrid Solar Air	Energy Star Certified: Yes Cooling Capacity: 36,000 BTU Refrigerant Type: Eco friendly refrigerant R410A or R32 Compressor Type: Inverter Compressor technology Compressor warranty: 5 Years Power Source (V/Hz/Ø) : 230/50/1 Power Source – DC: Solar PV Panels enough to run the AC with above specifications (Complete set including connections, brackets
10	Cassette Split Hybrid Solar Air	<ul> <li>Energy Star Certified: Yes</li> <li>Cooling Capacity: 36,000 BTU</li> <li>Refrigerant Type: Eco friendly refrigerant R410A or R32</li> <li>Compressor Type: Inverter Compressor technology</li> <li>Compressor warranty: 5 Years</li> <li>Power Source (V/Hz/Ø) : 230/50/1</li> <li>Power Source – DC: Solar PV Panels enough to run the AC with above specifications (Complete set including connections, brackets etc.)</li> </ul>
10	Cassette Split Hybrid Solar Air	<ul> <li>Energy Star Certified: Yes</li> <li>Cooling Capacity: 36,000 BTU</li> <li>Refrigerant Type: Eco friendly refrigerant R410A or R32</li> <li>Compressor Type: Inverter Compressor technology</li> <li>Compressor warranty: 5 Years</li> <li>Power Source (V/Hz/Ø) : 230/50/1</li> <li>Power Source – DC: Solar PV Panels enough to run the AC with above specifications (Complete set including connections, brackets etc.)</li> <li>Control : Microprocessor controlled codeless remote</li> </ul>
10	Cassette Split Hybrid Solar Air	<ul> <li>Energy Star Certified: Yes</li> <li>Cooling Capacity: 36,000 BTU</li> <li>Refrigerant Type: Eco friendly refrigerant R410A or R32</li> <li>Compressor Type: Inverter Compressor technology</li> <li>Compressor warranty: 5 Years</li> <li>Power Source (V/Hz/Ø) : 230/50/1</li> <li>Power Source – DC: Solar PV Panels enough to run the AC with above specifications (Complete set including connections, brackets etc.)</li> <li>Control : Microprocessor controlled codeless remote Display: LED/LCD</li> </ul>
10	Cassette Split Hybrid Solar Air	<ul> <li>Energy Star Certified: Yes</li> <li>Cooling Capacity: 36,000 BTU</li> <li>Refrigerant Type: Eco friendly refrigerant R410A or R32</li> <li>Compressor Type: Inverter Compressor technology</li> <li>Compressor warranty: 5 Years</li> <li>Power Source (V/Hz/Ø) : 230/50/1</li> <li>Power Source – DC: Solar PV Panels enough to run the AC with above specifications (Complete set including connections, brackets etc.)</li> <li>Control : Microprocessor controlled codeless remote</li> <li>Display: LED/LCD</li> <li>Remote control distance : Min 10 meters</li> </ul>
10	Cassette Split Hybrid Solar Air	<ul> <li>Energy Star Certified: Yes</li> <li>Cooling Capacity: 36,000 BTU</li> <li>Refrigerant Type: Eco friendly refrigerant R410A or R32</li> <li>Compressor Type: Inverter Compressor technology</li> <li>Compressor warranty: 5 Years</li> <li>Power Source (V/Hz/Ø) : 230/50/1</li> <li>Power Source – DC: Solar PV Panels enough to run the AC with above specifications (Complete set including connections, brackets etc.)</li> <li>Control : Microprocessor controlled codeless remote</li> <li>Display: LED/LCD</li> <li>Remote control distance : Min 10 meters</li> <li>Air Direction Control: 4-Way</li> </ul>
10	Cassette Split Hybrid Solar Air	<ul> <li>Energy Star Certified: Yes</li> <li>Cooling Capacity: 36,000 BTU</li> <li>Refrigerant Type: Eco friendly refrigerant R410A or R32</li> <li>Compressor Type: Inverter Compressor technology</li> <li>Compressor warranty: 5 Years</li> <li>Power Source (V/Hz/Ø) : 230/50/1</li> <li>Power Source – DC: Solar PV Panels enough to run the AC with above specifications (Complete set including connections, brackets etc.)</li> <li>Control : Microprocessor controlled codeless remote</li> <li>Display: LED/LCD</li> <li>Remote control distance : Min 10 meters</li> <li>Air Direction Control: 4-Way</li> <li>The outdoor units shall be the factory assembled modular type</li> </ul>
10	Cassette Split Hybrid Solar Air	<ul> <li>Energy Star Certified: Yes</li> <li>Cooling Capacity: 36,000 BTU</li> <li>Refrigerant Type: Eco friendly refrigerant R410A or R32</li> <li>Compressor Type: Inverter Compressor technology</li> <li>Compressor warranty: 5 Years</li> <li>Power Source (V/Hz/Ø) : 230/50/1</li> <li>Power Source – DC: Solar PV Panels enough to run the AC with above specifications (Complete set including connections, brackets etc.)</li> <li>Control : Microprocessor controlled codeless remote</li> <li>Display: LED/LCD</li> <li>Remote control distance : Min 10 meters</li> <li>Air Direction Control: 4-Way</li> <li>The outdoor units shall be the factory assembled modular type housed in a sturdy weatherproof casing constructed from rust-</li> </ul>
10	Cassette Split Hybrid Solar Air	<ul> <li>Energy Star Certified: Yes</li> <li>Cooling Capacity: 36,000 BTU</li> <li>Refrigerant Type: Eco friendly refrigerant R410A or R32</li> <li>Compressor Type: Inverter Compressor technology</li> <li>Compressor warranty: 5 Years</li> <li>Power Source (V/Hz/Ø) : 230/50/1</li> <li>Power Source – DC: Solar PV Panels enough to run the AC with above specifications (Complete set including connections, brackets etc.)</li> <li>Control : Microprocessor controlled codeless remote</li> <li>Display: LED/LCD</li> <li>Remote control distance : Min 10 meters</li> <li>Air Direction Control: 4-Way</li> <li>The outdoor units shall be the factory assembled modular type housed in a sturdy weatherproof casing constructed from rust-proofed mild steel panels and coated with baked enamel finish. They</li> </ul>
10	Cassette Split Hybrid Solar Air	<ul> <li>Energy Star Certified: Yes</li> <li>Cooling Capacity: 36,000 BTU</li> <li>Refrigerant Type: Eco friendly refrigerant R410A or R32</li> <li>Compressor Type: Inverter Compressor technology</li> <li>Compressor warranty: 5 Years</li> <li>Power Source (V/Hz/Ø) : 230/50/1</li> <li>Power Source – DC: Solar PV Panels enough to run the AC with above specifications (Complete set including connections, brackets etc.)</li> <li>Control : Microprocessor controlled codeless remote</li> <li>Display: LED/LCD</li> <li>Remote control distance : Min 10 meters</li> <li>Air Direction Control: 4-Way</li> <li>The outdoor units shall be the factory assembled modular type housed in a sturdy weatherproof casing constructed from rust-proofed mild steel panels and coated with baked enamel finish. They shall be suitable for side by side installation.</li> </ul>
10	Cassette Split Hybrid Solar Air	<ul> <li>Energy Star Certified: Yes</li> <li>Cooling Capacity: 36,000 BTU</li> <li>Refrigerant Type: Eco friendly refrigerant R410A or R32</li> <li>Compressor Type: Inverter Compressor technology</li> <li>Compressor warranty: 5 Years</li> <li>Power Source (V/Hz/Ø) : 230/50/1</li> <li>Power Source – DC: Solar PV Panels enough to run the AC with above specifications (Complete set including connections, brackets etc.)</li> <li>Control : Microprocessor controlled codeless remote</li> <li>Display: LED/LCD</li> <li>Remote control distance : Min 10 meters</li> <li>Air Direction Control: 4-Way</li> <li>The outdoor units shall be the factory assembled modular type housed in a sturdy weatherproof casing constructed from rust-proofed mild steel panels and coated with baked enamel finish. They shall be suitable for side by side installation.</li> <li>Power Input should be stated in certified data sheet.</li> </ul>
10	Cassette Split Hybrid Solar Air	<ul> <li>Energy Star Certified: Yes</li> <li>Cooling Capacity: 36,000 BTU</li> <li>Refrigerant Type: Eco friendly refrigerant R410A or R32</li> <li>Compressor Type: Inverter Compressor technology</li> <li>Compressor warranty: 5 Years</li> <li>Power Source (V/Hz/Ø) : 230/50/1</li> <li>Power Source – DC: Solar PV Panels enough to run the AC with above specifications (Complete set including connections, brackets etc.)</li> <li>Control : Microprocessor controlled codeless remote</li> <li>Display: LED/LCD</li> <li>Remote control distance : Min 10 meters</li> <li>Air Direction Control: 4-Way</li> <li>The outdoor units shall be the factory assembled modular type housed in a sturdy weatherproof casing constructed from rust-proofed mild steel panels and coated with baked enamel finish. They shall be suitable for side by side installation.</li> </ul>

### LOT 3: Solar Off-Grid Air Conditioners

ltem #	Items to be Supplied	Description / Specifications of Goods
1	9,000 BTU/h	General Specifications:
	Solar	Solar Power saving energy bill
	Cassette Off	Cooling: 2500 W
	Grid	Indoor
		Runs on solar power
		9000 BTU Cooling
		<ul> <li>Plug-and-play solar connection</li> </ul>
		Power Input Start up 940-460
		Eco friendly refrigerant R410A or R32
		<ul> <li>Compressor Type: Inverter Compressor technology</li> </ul>
		<ul> <li>Power Input should be stated in certified data sheet.</li> </ul>
		Coefficient of Performance COP, Energy Efficiency ratio EER,
		Seasonal Energy Efficiency Ratio SEER, should be stated in
		certified data sheet.
2	12,000	General Specifications:
	BTU/h Solar	Solar Power saving energy bill
	Cassette Off	Cooling: 3500 W
	Grid	Indoor
		Power Input Start up 940-460     Start Up 1025 480
		Start Up 1025-480
		<ul><li>Runs on solar power</li><li>12,000 BTU Cooling</li></ul>
		<ul> <li>Plug-and-play solar connection</li> </ul>
		<ul> <li>Eco friendly refrigerant R410A or R32</li> </ul>
		Compressor Type: Inverter Compressor technology
		<ul> <li>Power Input should be stated in certified data sheet.</li> </ul>
		<ul> <li>Coefficient of Performance COP, Energy Efficiency ratio EER,</li> </ul>
		Seasonal Energy Efficiency Ratio SEER, should be stated in
		certified data sheet.
3	18,000	General Specifications:
-	BTU/h Solar	
	Cassette Off	Solar Power saving energy bill
	Grid	Runs on solar power
		<ul> <li>Cooling: 5271 W</li> <li>Start Up 1590-740</li> </ul>
		• 18,000 BTU Cooling
		<ul> <li>Plug-and-play solar connection</li> </ul>
		<ul> <li>Eco friendly refrigerant R410A or R32</li> </ul>
		Compressor Type: Inverter Compressor technology
		<ul> <li>Power Input should be stated in certified data sheet.</li> </ul>
		<ul> <li>Coefficient of Performance COP, Energy Efficiency ratio EER,</li> </ul>
		Seasonal Energy Efficiency Ratio SEER, should be stated in
		certified data sheet.

### **Delivery Requirements**

	Delivery Requirements	
Delivery date and	For each purchase call off, the bidder shall deliver the goods within 4	
time	weeks after receipt of firm order.	
Delivery Terms	DAP UNDP Compound, Khartoum for goods, other services and	
(INCOTERMS 2020)	accessories will be delivered under secondary bidding among LTA holders.	
	🗵 Not applicable	
Customs clearance	Shall be done by:	
(must be linked to	Shall be done by: Name of organisation (where applicable) Supplier/bidder Freight Forwarder UNDP Compound House No. 7, Block No. 5, Gama'a Avenue, Khartoum, Sudan N/A As per standard manufacturer packing. In case of damaged packages, the	
INCOTERM	Supplier/bidder	
	Freight Forwarder	
Exact Address(es)	LINDR Compound	
of Delivery	•	
Location(s)	HOUSE NO. 7, BIOCK NO. 5, Gama a Avenue, Khartoum, Sudan	
Distribution of	N/A	
shipping		
documents (if using		
freight forwarder)		
Packing	As per standard manufacturer packing. In case of damaged packages, the	
Requirements	supplier is required to re-pack the damaged packs the same way of standard	
Requirements	packing to ensure safe delivery of equipment to final destination.	
Training on		
Operations and	N/A	
Maintenance		
Warranty Period	5 years for compressor and one year for work manship.	
After-sales service		
and local service	Voorly Clean yn Services	
support	Yearly Clean up Services	
requirements		
Preferred Mode of		
Transport	Up to the bidder to decide as far as the required delivery date is met.	

#### **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:	RFQ/21/039	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) <i>(If yes, provide</i> <i>a Copy of the valid</i> <i>Certificate):</i>	□ 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? ( <i>If yes,</i> <i>provide a Copy</i> )	□ Yes □ No		
Does your organization demonstrate significant commitment to sustainability through some other means, for example internal company policy	□ Yes □ No		

documents on wome empowerment, renew energies or members trade institutions pro- such issues ( <i>If yes, pro-</i> <i>Copy</i> )					
ls your company a me of the UN Global Con	🗆 Yes 🗆 No	0			
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.				
Previ	ous rele			cts within the las	
Name of previous contracts	Re Conta	lient & ference act Details ling e-mail	Contract Value	Period of activity	Types of activities undertaken
Please click on appro	priate b	ox:			
<ul> <li>Statement of Satist</li> <li>will complete below t</li> <li>List from the top 2</li> <li>(address, telephone a)</li> </ul>	table to 2 clients	provide the: in terms of Co			n contacts details
Client's Name	Client's	email	Telephone	Contract Value	Period of Activity

#### **Bidder's Declaration**

Yes	No	
		<b>Requirements and Terms and Conditions:</b> 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.
		<b>Ethics</b> : 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.
		<b>Prohibitions, Sanctions:</b> 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.
		<b>Bankruptcy</b> : 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.
		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:	RFQ/21/039	Date: Click or tap to enter a date.

- The Bidder is required to prepare the Price Schedule following the below format. The Price Schedule must include a detailed cost breakdown of all goods and related services to be provided. Separate figures must be provided for each functional grouping or category, if any.
- The price of the LTA is valid for one year from the date of signing of the LTA. In the event the LTA is extended beyond initial 1 year, the prices may be subject to revision and agreement by UNDP. The revision will have its basis from the prevailing market price analysis.
- The templates consist of lot 1, 2 and lot 3, please fill up carefully either Lot (1), (2) or Lot (3) or all lots (if applicable).
- Prices for each lot covers DAP UNDP Khartoum, other locations are subject to secondary bidding among LTA holders.
- In case of discrepancy between unit price and total, the unit price shall prevail.
- All Air Conditioners must be supplied along with the following equipment / accessories :
  - $\checkmark$  5 meters copper piping with superlon insulation for suction line
  - $\checkmark$  5 meters copper piping with superlon insulation for Discharge line
  - ✓ 2 meters PVC piping for drain
  - ✓ Indoor Outdoor unit connecting power cable
  - ✓ Pleated Quick Mount for Indoor Units
  - ✓ Set of Brackets for outside Air Conditioner

	Currency of the Quotation: Plea INCOTERMS: (INCOTERMS2020)				um	
Item No	Description	UOM	Qty	Brand & Model	Unit price	Total price
1	12,000 BTU/h Split Unit Wall- Mounted Air Conditioner	Each	1			
2	18,000 BTU/h Split Unit Wall- Mounted Air Conditioner	Each	1			
3	24,000 BTU/h Split Unit Wall- Mounted Air Conditioner	Each	1			
4	30,000 BTU/h Split Unit Wall- Mounted Air Conditioner	Each	1			
5	36,000 BTU/h Split Unit Wall- Mounted Air Conditioner	Each	1			
6	12,000 BTU/h Cassette Split Air Conditioner	Each	1			
7	18,000 BTU/h Cassette Split Air Conditioner	Each	1			
8	24,000 BTU/h Cassette Split Air Conditioner	Each	1			
9	30,000 BTU/h Cassette Split Air Conditioner	Each	1			
10	36,000 BTU/h Cassette Split Air Conditioner	Each	1			
					otal Price	
				Transporta		
					ance Price	
				Installa	tion Price	
			Otl	her Charges	s (specify)	
	Total Final and All-inclusive (DA	AP-UNDP (	Compour	d, Khartou	um) Price	

Name of Bidder:

Authorised signature:

Name of authorised signatory: \_\_\_\_\_

Functional Title:

[Stamp with official stamp of the Bidder]

	Currency of the Quotation: Please specify bid currency							
	INCOTERMS: (INCOTERMS2020) DAP UNDP Compound, Khartoum							
ltem No	Description	UOM	Qty	Brand	Model	Unit pric		
1	12,000 BTU/h Split Unit Wall-Mounted Hybrid Solar Air Conditioner	Each	1					
2	18,000 BTU/h Split Unit Wall-Mounted Hybrid Solar Air Conditioner	Each	1					
3	24,000 BTU/h Split Unit Wall-Mounted Hybrid Solar Air Conditioner	Each	1					
4	30,000 BTU/h Split Unit Wall-Mounted Hybrid Solar Air Conditioner	Each	1					
5	36,000 BTU/h Split Unit Wall-Mounted Hybrid Solar Air Conditioner	Each	1					
6	12,000 BTU/h Cassette Split Hybrid Solar Air Conditioner	Each	1					
7	18,000 BTU/h Cassette Split Hybrid Solar Air Conditioner	Each	1					
8	24,000 BTU/h Cassette Split Hybrid Solar Air Conditioner	Each	1					
9	30,000 BTU/h Cassette Split Hybrid Solar Air Conditioner	Each	1					
10	36,000 BTU/h Cassette Split Hybrid Solar Air Conditioner	Each	1					
	Total Price							
	Transportation Price							
	Insurance Price							
	Installation Price Other Charges (specify)							
	Total Final and All-inclusive (DAP-UNDP Compound, Khartoum) Price							

Name of Bidder:

Authorised signature:

Name of authorised signatory:

Functional Title:

[Stamp with official stamp of the Bidder]

\_\_\_\_\_

	Currency of the Quotation: Please specify bid currency INCOTERMS: (INCOTERMS2020) DAP UNDP Compound, Khartoum							
Item No	Description	UOM	Qty	Brand & Model	Unit price	Total price		
1	9,000 BTU/h Split Unit Wall- Mounted Air Conditioner	Each	1					
2	12,000 BTU/h Split Unit Wall- Mounted Air Conditioner	Each	1					
3	18,000 BTU/h Split Unit Wall- Mounted Air Conditioner	Each	1					
	Total Price							
	Transportation Price							
	Insurance Price							
	Installation Price							
	Other Charges (specify)							
	Total Final and All-inclusive (DAP-UNDP Compound, Khartoum) Price							

Name of Bidder:

Authorised signature:

Name of authorised signatory:

Functional Title:

[Stamp with official stamp of the Bidder]

## **Compliance with Requirements**

	You Responses			
	Yes, we will comply	No, we cannot comply	If you cannot comply, pls. indicate counter - offer	
Minimum Technical Specifications	um 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 and After-Sales Requirements			Click or tap here to enter text.	
Validity of Quotation (90 days)			Click or tap here to enter text.	
Payment terms			Click or tap here to enter text.	
Availabilty of local after sales services			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			
Phone No.:Click or tap here to enter text.	Signatory: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.			