INVITATION TO BID

Procurement of IT Equipment

ITB No.:   UNDP-TUR-ITB(UR)-2021/01

Project: Uplands Rural Development Programme (URDP)

Country: Turkey

Issued on: 19 January 2021

Contents

Section 1. Letter of Invitation

The Government of the Republic of Turkey has obtained a loan from the International Fund for Agricultural Development (IFAD), a specialized agency of the United Nations, for the Financing of the Uplands Rural Development Programme (URDP). The programme is implemented by the Mınıstry of Agriculture and Forestry and aims to enhance the prosperity and resilience of the upland smallholder farmers by improving economic opportunities for the rural poor. It will be implemented in 6 provinces of 2 regions covering 35 districts, and targeting 30 000 rural households which represents 294,000 beneficiairies.

Consistent with its role of Technical Assistant to the Programme implementation, the United Nations Development Programme (UNDP) hereby invites you to submit a Bid to this Invitation to Bid (ITB) for the above-referenced subject.

This ITB includes the following documents and the General Terms and Conditions of Contract which is inserted in the Bid Data Sheet:

> Section 1: This Letter of Invitation
> Section 2: Instruction to Bidders
> Section 3: Bid Data Sheet (BDS)
> Section 4: Evaluation Criteria
> Section 5: Schedule of Requirements and Technical Specifications
> Section 6: Returnable Bidding Forms
>   o Form A: Bid Submission Form
>   o Form B: Bidder Information Form
>   o Form C: Joint Venture/Consortium/Association Information Form
>   o Form D: Qualification Form
>   o Form E: Format of Technical Bid
>   o Form F: Price Schedule
>   o Form G: Form of Bid Security

Please be informed that this procurement process is being conducted through the online tendering system of UNDP. Bidders who wish to submit an offer must be registered in the system.

- Visit this page for system user guides and videos in different languages:

http://www.undp.org/content/undp/en/home/operations/procurement/business/procurementnotices/resources/

- If already registered, go to https://etendering.partneragencies.org and sign in using your username and password.

- Use "Forgotten password" link if you do not remember your password. Do not create a new profile.

- If you have never registered in the system before, you can register by visiting the link below and follow the instructions in the user guide (attached): https://etendering.partneragencies.org

o Username: event.guest

o Password: why2change

- It is strongly recommended to create a username with two parts: your first name and last name separated by a ".", (similar to the one shown above). Once registered you will receive a valid password to the registered email address which you can use for signing in and changing your password.

- Please note that your new password should meet the following criteria:

o Minimum 8 characters

o At least one UPPERCASE LETTER

o At least one lowercase letter

o At least one number

You can view and download tender documents with the guest account as per the above username and password, However, if you are interested to participate, you must register in the system and subscribe to this tender to be notified when amendments are made.

E-Mail and Hard Copy Submissions are not accepted. Bids shall be submitted through e-tendering only.

If you are interested in submitting a Bid in response to this ITB, please prepare your Bid in accordance with the requirements and procedure as set out in this ITB and submit it by the "Deadline for Submission of Bids" set out in the eTendering System. Note that e-tendering system time zone is in **EST/EDT (New York)** time zone.

Please acknowledge receipt of this ITB by utilizing the "Accept Invitation" function in eTendering system. This will enable you to receive amendments or updates to the ITB. Should you require further clarifications, kindly communicate with the contact person identified in the attached Data Sheet as the focal point for queries on this ITB.

UNDP looks forward to receiving your Bid and thank you in advance for your interest in UNDP procurement opportunities.

Sincerely;

UNDP TURKEY Country Office

Section 2. Instruction to Bidders

GENERAL PROVISIONS		
1. Introduction	1.1	Bidders shall adhere to all the requirements of this ITB, including any amendments made in writing by UNDP. This ITB is conducted in accordance with the UNDP Programme and Operations Policies and Procedures (POPP) on Contracts and Procurement which can be accessed at https://popp.undp.org/SitePages/POPPBSUnit.aspx?TermID=254a9f96-b883-476a-8ef8-e81f93a2b38d
	1.2	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 ITB.
	1.3	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.
	1.4	As part of the bid, it is desired that the Bidder registers at the United Nations Global Marketplace (UNGM) website (www.ungm.org). The Bidder may still submit a bid 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.
2. Fraud & Corruption, Gifts and Hospitality	2.1	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 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_andinvestigation.html#anti
	2.2	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 or dinners.
	2.3	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.
	2.4	All Bidders must adhere to the UN Supplier Code of Conduct, which may be found at https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct
3. Eligibility	3.1	A vendor should 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.
	3.2	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.
4. Conflict of Interests	4.1	Bidders must 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. Without limitation on the generality of the above, Bidders, and any of their affiliates, shall be considered to have a conflict of interest with one or more parties in this solicitation process, if they:
		a) Are or have been associated in the past, with a firm or any of its affiliates which have been engaged by UNDP to provide services for the preparation of the design, specifications, Terms of Reference, cost analysis/estimation, and other documents to be used for the procurement of the goods and services in this selection process;
		b) Were involved in the preparation and/or design of the programme/project related to the goods and/or services requested under this ITB; or
		c) Are found to be in conflict for any other reason, as may be established by, or at the discretion of UNDP.
	4.2	In the event of any uncertainty in the interpretation of a potential conflict of interest, Bidders must disclose to UNDP, and seek UNDP's confirmation on whether or not such conflict exists.
	4.3	Similarly, the 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 ITB; and
		b) All other circumstances that could potentially lead to actual or perceived conflict of interest, collusion or unfair competition practices.
		Failure to disclose such an information may result in the rejection of the Bid or Bids affected by the non-disclosure.
	4.4	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 ITB, among others. Conditions that may lead to undue advantage against other Bidders may result in the eventual rejection of the Bid.

B. PREPARATION OF BIDS

5. General Considerations	5.1	In preparing the Bid, the Bidder is expected to examine the ITB in detail. Material deficiencies in providing the information requested in the ITB may result in rejection of the Bid.
	5.2	The Bidder will not be permitted to take advantage of any errors or omissions in the ITB. Should such errors or omissions be discovered, the Bidder must

		notify the UNDP accordingly.
6. Cost of Preparation of Bid	6.1	The Bidder shall bear all costs related to the preparation and/or submission of the Bid, regardless of whether its Bid is selected or not. UNDP shall not be responsible or liable for those costs, regardless of the conduct or outcome of the procurement process.
7. Language	7.1	The Bid, as well as any and all related correspondence exchanged by the Bidder and UNDP, shall be written in the language (s) specified in the BDS.
8. Documents Comprising the Bid	8.1	The Bid shall comprise of the following documents and related forms which details are provided in the BDS: a) Documents Establishing the Eligibility and Qualifications of the Bidder; b) Technical Bid; c) Price Schedule; d) Bid Security, if required by BDS; e) Any attachments and/or appendices to the Bid.
9. Documents Establishing the Eligibility and Qualifications of the Bidder	9.1	The Bidder shall furnish documentary evidence of its status as an eligible and qualified vendor, using the Forms provided under Section 6 and providing documents required in those forms. In order to award a contract to a Bidder, its qualifications must be documented to UNDP's satisfaction.
10. Technical Bid Format and Content	10.1	The Bidder is required to submit a Technical Bid using the Standard Forms and templates provided in Section 6 of the ITB.
	10.2	Samples of items, when required as per Section 5, shall be provided within the time specified and unless otherwise specified by the Purchaser, at no expense to the UNDP. If not destroyed by testing, samples will be returned at Bidder's request and expense, unless otherwise specified.
	10.3	When applicable and required as per Section 5, the Bidder shall describe the necessary training programme available for the maintenance and operation of the equipment offered as well as the cost to the UNDP. Unless otherwise specified, such training as well as training materials shall be provided in the language of the Bid as specified in the BDS.
	10.4	When applicable and required as per Section 5, the Bidder shall certify the availability of spare parts for a period of at least five (5) years from date of delivery, or as otherwise specified in this ITB.
11. Price Schedule	11.1	The Price Schedule shall be prepared using the Form provided in Section 6 of the ITB and taking into consideration the requirements in the ITB.
	11.2	Any requirement described in the Technical Bid but not priced in the Price Schedule, shall be assumed to be included in the prices of other activities or items, as well as in the final total price.
12. Bid Security	12.1	A Bid Security, if required by BDS, shall be provided in the amount and form indicated in the BDS. The Bid Security shall be valid for a minimum of thirty (30) days after the final date of validity of the Bid.
	12.2	The Bid Security shall be included along with the Bid. If Bid Security is required

		by the ITB but is not found in the Bid, the offer shall be rejected.
	12.3	If the Bid Security amount or its validity period is found to be less than what is required by UNDP, UNDP shall reject the Bid.
	12.4	In the event an electronic submission is allowed in the BDS, Bidders shall include a copy of the Bid Security in their bid and the original of the Bid Security must be sent via courier or hand delivery as per the instructions in BDS.

	12.5	The Bid Security may be forfeited by UNDP, and the Bid rejected, in the event of any, or combination, of the following conditions:
		
		 a) If the Bidder withdraws its offer during the period of the Bid Validity specified in the BDS, or;
		 b) In the event the successful Bidder fails:
		    i. to sign the Contract after UNDP has issued an award; or
		    ii. to furnish the Performance Security, insurances, or other documents that UNDP may require as a condition precedent to the effectivity of the contract that may be awarded to the Bidder.

13. Currencies	13.1	All prices shall be quoted in the currency or currencies indicated in the BDS. Where Bids are quoted in different currencies, for the purposes of comparison of all Bids: a) UNDP will convert the currency quoted in the Bid into the UNDP preferred currency, in accordance with the prevailing UN operational rate of exchange on the last day of submission of Bids; and b) In the event that UNDP selects a Bid for award that is quoted in a currency different from the preferred currency in the BDS, UNDP shall reserve the right to award the contract in the currency of UNDP's preference, using the conversion method specified above.
14. Joint Venture, Consortium or Association	14.1	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.
	14.2	After the Deadline for Submission of Bid, the lead entity identified to represent the JV, Consortium or Association shall not be altered without the prior written consent of UNDP.
	14.3	The lead entity and the member entities of the JV, Consortium or Association shall abide by the provisions of Clause 9 herein in respect of submitting only one Bid.
	14.4	The description of the organization of the JV, Consortium or Association must clearly define the expected role of each of the entities in the joint venture in delivering the requirements of the ITB, both in the Bid and the JV, Consortium or Association Agreement. All entities that comprise the JV, Consortium or Association shall be subject to the eligibility and qualification assessment by

		UNDP.
	14.5	A JV, Consortium or Association in presenting its track record and experience should clearly differentiate between:
		a) Those that were undertaken together by the JV, Consortium or Association; and
		b) Those that were undertaken by the individual entities of the JV, Consortium or Association.
	14.6	Previous contracts completed by individual experts working privately but who are permanently or were temporarily associated with any of the member firms cannot be claimed as the experience of the JV, Consortium or Association or those of its members, but should only be claimed by the individual experts themselves in their presentation of their individual credentials
	14.7	JV, Consortium or Associations are encouraged for high value, multi-sectoral requirements when the spectrum of expertise and resources required may not be available within one firm.
15. Only One Bid	15.1	The Bidder (including the individual members of any Joint Venture) shall submit only one Bid, either in its own name or as part of a Joint Venture.
	15.2	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 c) they have the same legal representative for purposes of this ITB; or d) 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 ITB process; e) 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 some key personnel proposed to be in the team of one Bidder participates in more than one Bid received for this ITB process. This condition relating to the personnel, does not apply to subcontractors being included in more than one Bid.
16. Bid Validity Period	16.1	Bids shall remain valid for the period specified in the BDS, commencing on the Deadline for Submission of Bids. A Bid valid for a shorter period may be rejected by UNDP and rendered non-responsive.
	16.2	During the Bid validity period, the Bidder shall maintain its original Bid without any change, including the availability of the Key Personnel, the proposed rates and the total price.
17. Extension of Bid Validity Period	17.1	In exceptional circumstances, prior to the expiration of the Bid validity period, UNDP may request Bidders to extend the period of validity of their Bids. The request and the responses shall be made in writing, and shall be considered integral to the Bid.
	17.2	If the Bidder agrees to extend the validity of its Bid, it shall be done without any change to the original Bid.

	17.3	The Bidder has the right to refuse to extend the validity of its Bid, in which case, the Bid shall not be further evaluated.
18. Clarification of Bid (from the Bidders)	18.1	Bidders may request clarifications on any of the ITB documents no later than the date indicated in the BDS. Any request for clarification must be sent in writing in the manner indicated in the BDS. If inquiries are sent other than specified channel, even if they are sent to a UNDP staff member, UNDP shall have no obligation to respond or confirm that the query was officially received.
	18.2	UNDP will provide the responses to clarifications through the method specified in the BDS.
	18.3	UNDP shall endeavour to provide responses to clarifications in an expeditious manner, but any delay in such response shall not cause an obligation on the part of UNDP to extend the submission date of the Bids, unless UNDP deems that such an extension is justified and necessary.
19. Amendment of Bids	19.1	At any time prior to the deadline of Bid submission, UNDP may for any reason, such as in response to a clarification requested by a Bidder, modify the ITB in the form of an amendment to the ITB. Amendments will be made available to all prospective bidders.
	19.2	If the amendment is substantial, UNDP may extend the Deadline for submission of Bid to give the Bidders reasonable time to incorporate the amendment into their Bids.
20. Alternative Bids	20.1	Unless otherwise specified in the BDS, alternative Bids shall not be considered. If submission of alternative Bid is allowed by BDS, a Bidder may submit an alternative Bid, but only if it also submits a Bid conforming to the ITB requirements. 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 Bid.
	20.2	If multiple/alternative bids are being submitted, they must be clearly marked as "Main Bid" and "Alternative Bid"
21. Pre-Bid Conference	21.1	When appropriate, a pre-bid conference will be conducted at the date, time and location specified in the BDS. All Bidders are encouraged to attend. Non-attendance, however, shall not result in disqualification of an interested Bidder. Minutes of the Bidder's conference will be disseminated on the procurement website and shared by email or on the e-Tendering platform as specified in the BDS. No verbal statement made during the conference shall modify the terms and conditions of the ITB, unless specifically incorporated in the Minutes of the Bidder's Conference or issued/posted as an amendment to ITB.

C. SUBMISSION AND OPENING OF BIDS	

22. Submission	22.1 The Bidder shall submit a duly signed and complete Bid comprising the documents and forms in accordance with requirements in the BDS. The Price Schedule shall be submitted together with the Technical Bid. Bid can be delivered either personally, by courier, or by electronic method of transmission as specified in the BDS.
	22.2 The Bid shall be signed by the Bidder or person(s) duly authorized to commit the Bidder. The authorization shall be communicated through a document evidencing such authorization issued by the legal representative of the bidding entity, or a Power of Attorney, accompanying the Bid.
	22.3 Bidders must be aware that the mere act of submission of a Bid, in and of itself, implies that the Bidder fully accepts the UNDP General Contract Terms and Conditions.

Hard copy (manual) submission	22.4 Hard copy (manual) submission by courier or hand delivery allowed or specified in the BDS shall be governed as follows:
	
	a) The signed Bid shall be marked "Original", and its copies marked "Copy" as appropriate. The number of copies is indicated in the BDS. All copies shall be made from the signed original only. If there are discrepancies between the original and the copies, the original shall prevail.
	
	(b) The Technical Bid and Price Schedule must be sealed and submitted together in an envelope, which shall:
	    i. Bear the name of the Bidder;
	    ii. Be addressed to UNDP as specified in the BDS; and
	    iii. Bear a warning not to open before the time and date for Bid opening as specified in the BDS.
	
	If the envelope with the Bid is not sealed and marked as required, UNDP shall assume no responsibility for the misplacement, loss, or premature opening of the Bid.

Email and eTendering submissions	22.5 Electronic submission through email or eTendering, if allowed as specified in the BDS, shall be governed as follows: a) Electronic files that form part of the Bid must be in accordance with the format and requirements indicated in BDS; b) Documents which are required to be in original form (e.g. Bid Security, etc.) must be sent via courier or hand delivered as per the instructions in BDS.
	22.6 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: http://www.undp.org/content/undp/en/home/operations/procurement/business/procurement-notices/resources/
23. Deadline for Submission of Bids and Late Bids	23.1 Complete Bids must be received by UNDP in the manner, and no later than the date and time, specified in the BDS. UNDP shall only recognise the actual date and time that the bid was received by UNDP
	23.2 UNDP shall not consider any Bid that is received after the deadline for the

	submission of Bids.
24. Withdrawal, Substitution, and Modification of Bids	24.1 A Bidder may withdraw, substitute or modify its Bid after it has been submitted at any time prior to the deadline for submission.
	24.2 Manual and Email submissions: A bidder may withdraw, substitute or modify its Bid by sending a written notice to UNDP, duly signed by an authorized representative, and shall include a copy of the authorization (or a Power of Attorney). The corresponding substitution or modification of the Bid, if any, must accompany the respective written notice. All notices must be submitted in the same manner as specified for submission of Bids, by clearly marking them as "WITHDRAWAL" "SUBSTITUTION," or "MODIFICATION"
	24.3 eTendering: A Bidder may withdraw, substitute or modify its Bid by Cancelling, Editing, and re-submitting the Bid directly in the system. It is the responsibility of the Bidder to properly follow the system instructions, duly edit and submit a substitution or modification of the Bid as needed. Detailed instructions on how to cancel or modify a Bid directly in the system are provided in the Bidder User Guide and Instructional videos.
	24.4 Bids requested to be withdrawn shall be returned unopened to the Bidders (only for manual submissions), except if the bid is withdrawn after the bid has been opened.
25. Bid Opening	25.1 UNDP will open the Bid in the presence of an ad-hoc committee formed by UNDP of at least two (2) members.
	25.2 The Bidders' names, modifications, withdrawals, the condition of the envelope labels/seals, the number of folders/files and all other such other details as UNDP may consider appropriate, will be announced at the opening. No Bid shall be rejected at the opening stage, except for late submissions, in which case, the Bid shall be returned unopened to the Bidders.
	25.3 In the case of e-Tendering submission, bidders will receive an automatic notification once the Bid is opened.

D. EVALUATION OF BIDS

26. Confidentiality	26.1 Information relating to the examination, evaluation, and comparison of Bids, and the recommendation of contract award, shall not be disclosed to Bidders or any other persons not officially concerned with such process, even after publication of the contract award.
	26.2 Any effort by a Bidder or anyone on behalf of the Bidder to influence UNDP in the examination, evaluation and comparison of the Bids or contract award decisions may, at UNDP's decision, result in the rejection of its Bid and may subsequently be subject to the application of prevailing UNDP's vendor sanctions procedures.
27. Evaluation of Bids	27.1 UNDP will conduct the evaluation solely on the basis of the Bids received.
	27.2 Evaluation of Bids shall be undertaken in the following steps: a) Preliminary Examination including Eligibility b) Arithmetical check and ranking of bidders who passed preliminary examination by price. c) Qualification assessment (if pre-qualification was not done)

		a) Evaluation of Technical Bids b) Evaluation of prices Detailed evaluation will be focussed on the 3 - 5 lowest priced bids. Further higher priced bids shall be added for evaluation if necessary
28. Preliminary Examination	28.1	UNDP shall examine the Bids to determine whether they are complete with respect to minimum documentary requirements, whether the documents have been properly signed, and whether the Bids are generally in order, among other indicators that may be used at this stage. UNDP reserves the right to reject any Bid at this stage.
29. Evaluation of Eligibility and Qualification	29.1	Eligibility and Qualification of the Bidder will be evaluated against the Minimum Eligibility/Qualification requirements specified in the Section 4 (Evaluation Criteria).
	29.2	In general terms, vendors that meet the following criteria may be considered qualified: a) They are not included in the UN Security Council 1267/1989 Committee's list of terrorists and terrorist financiers, and in UNDP's ineligible vendors' list; b) They have a good financial standing and have access to adequate financial resources to perform the contract and all existing commercial commitments, c) They have the necessary similar experience, technical expertise, production capacity, quality certifications, quality assurance procedures and other resources applicable to the supply of goods and/or services required; d) They are able to comply fully with the UNDP General Terms and Conditions of Contract; e) They do not have a consistent history of court/arbitral award decisions against the Bidder; and f) They have a record of timely and satisfactory performance with their clients.
30. Evaluation of Technical Bid and prices	30.1	The evaluation team shall review and evaluate the Technical Bids on the basis of their responsiveness to the Schedule of Requirements and Technical Specifications and other documentation provided, applying the procedure indicated in the BDS and other ITB documents. When necessary, and if stated in the BDS, UNDP may invite technically responsive bidders for a presentation related to their technical Bids. The conditions for the presentation shall be provided in the bid document where required.
31. Due diligence	31.1	UNDP reserves the right to undertake a due diligence exercise, aimed at determining to its satisfaction, the validity of the information provided by the Bidder. Such exercise shall be fully documented and may include, but need not be limited to, all or any combination of the following: a) Verification of accuracy, correctness and authenticity of information provided by the Bidder; b) Validation of extent of compliance to the ITB requirements and evaluation criteria based on what has so far been found by the evaluation team; c) Inquiry and reference checking with Government entities with jurisdiction on the Bidder, or with previous clients, or any other entity that may have done business with the Bidder;

	d) Inquiry and reference checking with previous clients on the performance on on-going or completed contracts, including physical inspections of previous works, as deemed necessary; e) Physical inspection of the Bidder's offices, branches or other places where business transpires, with or without notice to the Bidder; f) Other means that UNDP may deem appropriate, at any stage within the selection process, prior to awarding the contract.
32. Clarification of Bids	32.1 To assist in the examination, evaluation and comparison of Bids, UNDP may, at its discretion, request any Bidder for a clarification of its Bid. 32.2 UNDP's request for clarification and the response shall be in writing and no change in the prices or substance of the Bid shall be sought, offered, or permitted, except to provide clarification, and confirm the correction of any arithmetic errors discovered by UNDP in the evaluation of the Bids, in accordance with the ITB. 32.3 Any unsolicited clarification submitted by a Bidder in respect to its Bid, which is not a response to a request by UNDP, shall not be considered during the review and evaluation of the Bids.
33. Responsiveness of Bid	33.1 UNDP's determination of a Bid's responsiveness will be based on the contents of the bid itself. A substantially responsive Bid is one that conforms to all the terms, conditions, specifications and other requirements of the ITB without material deviation, reservation, or omission. 33.2 If a bid is not substantially responsive, it shall be rejected by UNDP and may not subsequently be made responsive by the Bidder by correction of the material deviation, reservation, or omission.
34. Nonconformities, Reparable Errors and Omissions	34.1 Provided that a Bid is substantially responsive, UNDP may waive any non-conformities or omissions in the Bid that, in the opinion of UNDP, do not constitute a material deviation. 34.2 UNDP may request the Bidder to submit the necessary information or documentation, within a reasonable period, to rectify nonmaterial nonconformities or omissions in the Bid related to documentation requirements. Such omission shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid. 34.3 For the bids that have passed the preliminary examination, UNDP shall check and correct arithmetical errors as follows: a) if there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of UNDP there is an obvious misplacement of the decimal point in the unit price; in which case, the line item total as quoted shall govern and the unit price shall be corrected; b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an

		arithmetic error, in which case the amount in figures shall prevail.
	34.4	If the Bidder does not accept the correction of errors made by UNDP, its Bid shall be rejected.

E. AWARD OF CONTRACT

35. Right to Accept, Reject, Any or All Bids	35.1	UNDP reserves the right to accept or reject any bid, to render any or all of the bids as non-responsive, and to reject all Bids at any time prior to award of contract, without incurring any liability, or obligation to inform the affected Bidder(s) of the grounds for UNDP's action. UNDP shall not be obliged to award the contract to the lowest priced offer.
36. Award Criteria	36.1	Prior to expiration of the period of Bid validity, UNDP shall award the contract to the qualified and eligible Bidder that is found to be responsive to the requirements of the Schedule of Requirements and Technical Specification, and has offered the lowest price.
37. Debriefing	37.1	In the event that a Bidder is unsuccessful, the Bidder may request for a debriefing from UNDP. The purpose of the debriefing is to discuss the strengths and weaknesses of the Bidder's submission, in order to assist the Bidder in improving its future Bids for UNDP procurement opportunities. The content of other Bids and how they compare to the Bidder's submission shall not be discussed.
38. Right to Vary Requirements at the Time of Award	38.1	At the time of award of Contract, UNDP reserves the right to vary the quantity of goods and/or services, 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.
39. Contract Signature	39.1	Within fifteen (15) days from the date of receipt of the Contract, the successful Bidder shall sign and date the Contract and return it to UNDP. Failure to do so may constitute sufficient grounds for the annulment of the award, and forfeiture of the Bid Security, if any, and on which event, UNDP may award the Contract to the Second highest rated or call for new Bids.
40. Contract Type and General Terms and Conditions	40.1	The types of Contract to be signed and the applicable UNDP Contract General Terms and Conditions, as specified in BDS, can be accessed at http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html
41. Performance Security	41.1	A performance security, if required in the BDS, shall be provided in the amount specified in BDS and form available at https://popp.undp.org/_layouts/15/WopiFrame.aspx?sourcedoc=/UNDP_POPP_DOCUMENT_LIBRARY/Public/PSU_Solicitation_Performance%20Guarantee%20Form.docx&action=default within a maximum of fifteen (15) days of the contract signature by both parties. Where a performance security is required, the receipt of the performance security by UNDP shall be a condition for rendering the contract effective.
42. Bank Guarantee for Advanced Payment	42.1	Except when the interests of UNDP so require, it is UNDP's standard practice to not make advance payment(s) (i.e., payments without having received any

	outputs). If an advance payment is allowed as per the BDS, and exceeds 20% of the total contract price, or USD 30,000, whichever is less, the Bidder shall submit a Bank Guarantee in the full amount of the advance payment in the form available at https://popp.undp.org/_layouts/15/WopiFrame.aspx?sourcedoc=/UNDP_POPP_DOCUMENT_LIBRARY/Public/PSU_Contract%20Management%20Payment%20and%20Taxes_Advanced%20Payment%20Guarantee%20Form.docx&action=default
43. Liquidated Damages	43.1 If specified in the BDS, UNDP shall apply Liquidated Damages for the damages and/or risks caused to UNDP resulting from the Contractor's delays or breach of its obligations as per Contract.
44. Payment Provisions	44.1 Payment will be made only upon UNDP's acceptance of the goods and/or services performed. The terms of payment shall be within thirty (30) days, after receipt of invoice and certification of acceptance of goods and/or services issued by the proper authority in UNDP with direct supervision of the Contractor. Payment will be effected by bank transfer in the currency of the contract.
45. Vendor Protest	45.1 UNDP's vendor protest procedure provides an opportunity for appeal to those persons or firms not awarded a contract through a competitive procurement process. In the event that a Bidder believes that it was not treated fairly, the following link provides further details regarding UNDP vendor protest procedures: http://www.undp.org/content/undp/en/home/procurement/business/protest-and-sanctions.html
46. Other Provisions	46.1 In the event that the Bidder offers a lower price to the host Government (e.g. General Services Administration (GSA) of the federal government of the United States of America) for similar goods and/or services, UNDP shall be entitled to the same lower price. The UNDP General Terms and Conditions shall have precedence. 46.2 UNDP is entitled to receive the same pricing offered by the same Contractor in contracts with the United Nations and/or its Agencies. The UNDP General Terms and Conditions shall have precedence. 46.3 The United Nations has established restrictions on employment of (former) UN staff who have been involved in the procurement process as per bulletin ST/SGB/2006/15 http://www.un.org/en/ga/search/view_doc.asp?symbol=ST/SGB/2006/15&referer

Section 3. Bid Data Sheet

The following data for the goods and/or services to be procured shall complement, supplement, or amend the provisions in the Invitation to Bid In the case of a conflict between the Instructions to Bidders, the Bid Data Sheet, and other annexes or references attached to the Bid Data Sheet, the provisions in the Bid Data Sheet shall prevail**.**

BDS No.	Ref. to Section.2	Data	Specific Instructions / Requirements
1	7	Language of the Bid	English Please note that Turkish version of this ITB and its Annexes are given only for information purposes. In case of an inconsistency between Turkish and English versions, the English version shall prevail.
2		Submitting Bids for Parts or sub-parts of the Schedule of Requirements (partial bids)	Not Allowed
3	20	Alternative Bids	Shall not be considered
4	21	Pre-Bid conference	Will not be conducted
5	16	Bid Validity Period	90 days following bid submission deadline
6	13	Bid Security	**Required in the amount of TRY 35,000.00** Acceptable Forms of Bid Security: Bank Guarantee (See Section 6, Form G for the template) ▪ Bid Security shall be in English as per the template ▪ Currency of the Bid Security shall be in TRY as per the amount indicated above ▪ No change shall be made to the template except for fields indicated in the template ▪ Bid Security shall be valid until 30 days after the expiry of Bid Validity Period. (i.e. 120 days after bid submission deadline) ▪ Original Bid Security shall be delivered to the below address on or before the submission deadline indicated in e-tendering system, with a PDF copy submitted as part of the electronic submission.

			Focal Point: Koray Çeyrek, Procurement Officer
			Yıldız Kule, 21st Floor, Dikmen Mahallesi, Turan Güneş Bulvarı, No:106, 06550, Çankaya, Ankara, Turkey
7	41	Advanced Payment upon signing of contract	Not Allowed
8	42	Liquidated Damages	Will be imposed as follows: Percentage of contract price per week of delay in delivery of the goods: 2% Max. number of weeks of delay is 5, after which UNDP may terminate the contract.
9	40	Performance Security	**Required in the amount of 10% of the total contract amount.** Note: Performance Security will be a condition for signing of the contract. Contract will be signed after receipt of Performance Security from the successful bidder.
10	12	Currency of Bid	New Turkish Liras (TRY)
11	31	Deadline for submitting requests for clarifications/ questions	7 days before the bid submission deadline
12	31	Contact Details for submitting clarifications/questions	Focal Person in UNDP: Koray Çeyrek, Procurement Officer Address: Yildiz Kule, Yukari Dikmen Mah. Turan Gunes Blv. No:106, 06550, Cankaya/Ankara/TURKEY E-mail address: : tr.procurement@undp.org
13	18, 19 and 21	Manner of Disseminating Supplemental Information to the ITB and responses/clarifications to queries	Posted directly to eTendering
14	22	Deadline for Submission	**February 18, 2021, 07:00 am (EST/EDT New York Time) as indicated in the e-tendering System. Please note that system time zone is New York.**
14	22	Allowable Manner of Submitting Bids	E-Tendering only **EVENT ID: ITB-21-01** This procurement process is being conducted through the online tendering system of UNDP. Bidders who wish to submit an offer must be registered in the system.

			Visit this page for system user guides and videos in different languages:
			http://www.undp.org/content/undp/en/home/operations/procurement/business/procurement-notices/resources/
			If already registered, go to https://etendering.partneragencies.org and sign in using your username and password.
			Use "Forgotten password" link if you do not remember your password. Do not create a new profile.
			If you have never registered in the system before, you can register by visiting the link below and follow the instructions in the user guide (attached):
			https://etendering.partneragencies.org
			•Username: event.guest
			•Password: why2change
			It is strongly recommended to create a username with two parts: your first name and last name separated by a "." , (similar to the one shown above). Once registered you will receive a valid password to the registered email address which you can use for signing in and changing your password.
			Please note that your new password should meet the following criteria:
			• Minimum 8 characters
			• At least one UPPERCASE LETTER
			• At least one lowercase letter
			• At least one number
			You can view and download tender documents with the guest account as per the above username and password, However, if you are interested to participate, you must register in the system
15	22	Bid Submission Address	Bids shall be submitted through UNDP e-tendering system.
			Although bids shall be submitted through e-tendering, UNDP reserves the right to request original copies of the documents submitted as part of the bids during evaluation period, if required.
			Focal Point: Koray Çeyrek, Procurement Officer
			Yıldız Kule, 21st Floor, Dikmen Mahallesi, Turan Güneş Bulvarı,

			No:106, 06550, Çankaya, Ankara, Turkey
16	22	Electronic submission (email or eTendering) requirements	▪ Format: PDF files only ▪ File names must be maximum 60 characters long and must not contain any letter or special/Turkish character other than from Latin alphabet/keyboard. ▪ All files must be free of viruses and not corrupted. ▪ Max. File Size per transmission: 45 MB
17	25	Date, time and venue for the opening of bid	Bidders will receive notification through e-tendering when bids are opened.
18	27, 36	Evaluation Method for the Award of Contract	Lowest priced technically responsive, eligible and qualified bid.
19		Expected date for commencement of Contract	Contract is expected to be signed in March 2021
20		Maximum expected duration of contract	Delivery of all items shall be completed within 42 days after signature of the contract
21	35	UNDP will award the contract to:	One Bidder Only
22	39	Type of Contract	Contract for Goods and/or Services to UNDP http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html
23	39	UNDP Contract Terms and Conditions that will apply	UNDP General Terms and Conditions for Contracts http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html
24	44	Payment Provisions	Payments will be realized in thirty calendar days following written acceptance of goods and submission of the invoice in accordance with UNDP General Terms and Conditions of Contracts.
25		Taxation	*UN and its subsidiary organs are exempt from all taxes. Therefore, Bidders shall prepare their financial bids excluding Value Added Tax (VAT). It is the Bidder'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 General Communiqués. The contractor selected for the award shall not be entitled to receive*

			any amount over its bid price in relation to VAT, Special Consumption Tax and any other applicable taxes. Overall contract amount to be paid to the contractor shall not exceed the total amount offered in the Financial Proposal.
26	14	Joint Venture, Consortium or Association	***Allowed***
27		Other Information	The documents that will be attached to Form B: Bidder Information Form (such as Certificate of Incorporation/Business Registration and Power of Attorney) can be submitted in local languages in the case that they are provided only in the local language by issuing authorities. In that case, the English translations of these documents shall be submitted by Proposers along with original documents in the local language. UNDP reserves the right to request notarized versions of these translations any time during the evaluation.

Section 4. Evaluation Criteria

Preliminary Examination Criteria

Bids will be examined to determine whether they are complete and submitted in accordance with ITB requirements as per below criteria on a Yes/No basis:

- Appropriate signatures
- Power of Attorney
- Minimum Bid documents provided
- Bid Validity
- Bid Security submitted as per ITB requirements with compliant validity period

Minimum Eligibility and Qualification Criteria

Eligibility and Qualification will be evaluated on a Pass/Fail basis.

If the Bid is submitted as a Joint Venture/Consortium/Association, each member should meet the minimum criteria, unless otherwise specified.

Subject	Criteria	Document Submission requirement
ELIGIBILITY		
Legal Status	Vendor is a legally registered entity established in or before February 2017.	Form B: Bidder Information Form
Eligibility	Vendor is not suspended, nor debarred, nor otherwise identified as ineligible by any UN Organization or the World Bank Group or any other international Organization in accordance with ITB clause 3.	Form A: Bid Submission Form
Conflict of Interest	No conflicts of interest in accordance with ITB clause 4.	Form A: Bid Submission Form
Bankruptcy	Has not declared bankruptcy, is not involved in bankruptcy or receivership proceedings, and there is no judgment or pending legal action against the vendor that could impair its operations in the foreseeable future.	Form A: Bid Submission Form
Certificates and Licenses	▪ Duly authorized to act as Agent on behalf of the Manufacturer, or Power of Attorney, if bidder is not a manufacturer ▪ Official appointment as local representative, if Bidder is submitting a Bid on behalf of an entity located outside the country ▪ Export/Import Licenses, if applicable	Form B: Bidder Information Form
QUALIFICATION		
History of Non-	Non-performance of a contract did not occur as a result of	Form D: Qualification

Performing Contracts[1]	contractor default for the last 3 years.	Form
Litigation History	No consistent history of court/arbitral award decisions against the Bidder for the last 3 years.	Form D: Qualification Form
Previous Experience	Minimum 3 years of relevant experience.	Form D: Qualification Form
	Minimum one contract of similar value, nature and complexity implemented over the last 5 years. *For JV/Consortium/Association, all Parties cumulatively should meet requirement.* Bidders shall submit Statements of Satisfactory Performance (i.e. Reference Letters, Work Completion Certificates) along with their bids.	Form D: Qualification Form
Financial Standing	Minimum average annual turnover of TRY 1,000,000.00 for the last 3 years (i.e. 2017, 2018, 2019). *For JV/Consortium/Association, all Parties cumulatively should meet requirement.*	Form D: Qualification Form
	Bidder must demonstrate the current soundness of its financial standing and indicate its prospective long-term profitability. *For JV/Consortium/Association, all Parties cumulatively should meet requirement.*	Form D: Qualification Form
Technical Evaluation	The technical bids shall be evaluated on a pass/fail basis for compliance or non-compliance with the technical specifications identified in the bid document.	Form E: Technical Bid Form
Financial Evaluation	Detailed analysis of the price schedule based on requirements listed in Section 5 and quoted for by the bidders in Form F. Price comparison shall be based on the total turnkey price, including delivery. Comparison with budget/internal estimates.	Form F: Price Schedule Form
Other Information	Product catalogue/brochure of the proposed brand/model showing detailed technical specifications of the goods.	Form E: Technical Bid Form

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[1] Non-performance, as decided by UNDP, shall include all contracts where (a) non-performance was not challenged by the contractor, including through referral to the dispute resolution mechanism under the respective contract, and (b) contracts that were so challenged but fully settled against the contractor. Non-performance shall not include contracts where Employers decision was overruled by the dispute resolution mechanism. Non-performance must be based on all information on fully settled disputes or litigation, i.e. dispute or litigation that has been resolved in accordance with the dispute resolution mechanism under the respective contract and where all appeal instances available to the Bidder have been exhausted.

Section 5a: Schedule of Requirements and Technical Specifications

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.

The number of the items to be delivered to each province is as follows:
Her bir İle teslim edilecek ürünlerin sayısı şöyledir:

	Adana	Osmaniye	Mersin	Kastamonu	Bartın	Sinop
Laptop Computer Type 1 Dizüstü Bilgisayar Tip 1	27	23				16
Dizüstü Bilgisayar Tip 2 Laptop Computer Type 2			10	18	23	
All in One Desktop Computer Tümleşik Masaüstü Bilgisayar	4	1	1		1	
Laser Printer (Color) Type 1 Lazer yazıcı (Renkli) Tip 1	2	1	9	1		
Laser Printer (Color) Type 2 Lazer yazıcı (Renkli) Tip 2			1		2	1
Laser Printer (Black&White) Lazer yazıcı (Siyah-Beyaz)	8	10			10	13
Dot Matrix Printer Nokta vuruşlu (dot matrix) yazıcı	2					
Video Camera Video Kamera					1	
Digital Camera Fotoğraf Makinesi	1	1	1		1	1
Power Bank Taşınabilir Şarj Cihazı	35	20	20	20	20	20
Hand-held GPS El Tipi GPS		7	11			
Laser Meter Lazer Metre		7	8	2	2	
Projector and Projection Curtain Projektör ve Projeksiyon Perdesi			8		3	1

General requirements applying to all of the items:	*Tüm ürünler için geçerli genel şartlar:*
• All the equipment shall be provided complete with the necessary accessories (network cables, power cables, power adapter etc.) and/or parts such as to ensure	• *Bütün ekipmanlar, istenilen teknik ve kalite şartlarında çalışabilecek şekilde gereken bütün aksesuarlar (bağlantı kabloları, ara bağlantı, güç kabloları vb.) ve/veya parçalarla birlikte tedarik*

• that the unit is capable of operating to the required technical and quality specifications. • All hardware must operate on 220 V ± 20 V, 50 Hz ± 0.5 Hz power supply and be suitable for direct connection to the standard power outlets in Turkey. • Any hardware including individual components like CPUs and whole systems that are announced as end-of-line by the manufacturer shall not be proposed by the offeror. • System components and whole system must be compatible with each other. Any interoperability problems between software and hardware must be resolved by the Contractor at no additional cost. • All computers shall support Turkish characters. • The following documents shall be provided with the items, and all documents shall be in Turkish; User guide, warranty certificate, user license etc. • The stickers showing serial number of the items shall be made of undeletable materials. • All items shall have certified two years manufacturer warranty certified with a warranty certificate in accordance with the Regulation on Code of Practice for Warranty Certificate. • All items shall be unused, no maintenance should be performed on them or they should not be flawed.	*edilmelidir.* • *Bütün donanımlar 220 V ± 20 V, 50 Hz ± 0.5 Hz güç kaynağı ile çalışabilir, ve Türkiye'de kullanılan standart prizlere doğrudan bağlanabilir olmalıdır.* • *Üreticisi tarafından üretimi bitmiş (end-of-line) ilan edilmiş CPU vb. tüm sistem bileşenleri dahil hiçbir donanım teklif edilemez.* • *Sistem bileşenleri ve bütün sistem birbirleriyle uyumlu olmalıdır. Yazılım ve donanım arasında birlikte işlerlik problemi yüklenici tarafından bedelsiz olarak giderilecektir.* • *Bilgisayarların Türkçe karakter desteği olmalıdır.* • *Ürünlerle birlikte kullanma kılavuzu, garanti belgesi, kullanıcı lisans sertifikası vb. tüm dokümanlar teslim edilecektir, ve bütün dokümanlar Türkçe olacaktır.* • *Ürünlerin seri numaralarını gösteren etiketler silinmeyen malzemeden yapılmış olmalıdır.* • *Bütün ürünlerin iki yıl üretici garantisi olmalıdır, Garanti Belgesi Uygulama Esaslarına Dair Yönetmeliğe uygun şekilde düzenlenmiş garanti belgesi ile belgelendirilmelidir.* • *Bütün ürünler kullanılmamış olacak, serviste bakım görmüş ya da defolu ürün olmayacaktır.*
Item to be supplied description// *Tedarik edilecek ürün tanımı*	**Quantity //** *Miktar*
1. **Laptop Computer Type 1 //** *Dizüstü Bilgisayar Tip 1*	**66 pieces //** *66 adet*
Technical Specifications	

1.1.	The processor must have at least 6 MB cache, at least 1.6 GHz, able to reach at least 4.2 GHz with Turbo Boost, four physical cores and must be launched by the manufacturer in June 2019 or later.	*Bilgisayar işlemcisinin en az 6 MB önbelleğe sahip, en az 1.6 GHz, Turbo Boost ile en az 4.2 Ghz hıza çıkabilir, dört fiziksel çekirdeğe sahip ve üreticisi tarafından Haziran 2019 veya sonrasında duyurulmuş olmalıdır.*
1.2.	RAM should be at least 8 GB DDR4 with minimum 2.133 Mhz working frequency.	*Bilgisayarda bellek en az 8 GB DDR4 olacak, bellek çalışma frekansı en az 2.133 Mhz. olacaktır.*

1.3.	At least 256 GB SSD with M.2 interface + 1 TB SATA HDD. The computer must have at least 2 ports with USB 3.0 and/or USB 3.1 connections.	*En az 256 GB SSD M.2 arayüze sahip olmalıdır. + 1 TB SATA HDD olmalıdır. Bilgisayarda USB 3.0 ve/veya USB 3.1 girişli en az iki port olacaktır.*
1.4.	At least 1 HDMI or Display Port support and RJ 45 connection point (internal or external).	*Bilgisayarda en az 1 HDMI veya Display port desteği ve RJ 45 bağlantı noktası (dâhili veya harici) olacaktır.*
1.5.	At least 802.11 AC or 802.11 AX Wireless LAN technology	*Bilgisayarda Wireless LAN teknolojisi en az 802.11 AC veya 802.11 AX olacaktır.*
1.6.	The screen size should be 14 or 14.1 inches.	*Bilgisayarda ekran boyutu 14 veya 14,1 inç olacaktır.*
1.7.	The screen resolution should be at least HD 1920 x 1080 and IPS or WVA panel technology, with at least 250 nits brightness value.	*Ekran Çözünürlüğü en az Full HD 1920 x 1080 ve IPS veya WVA panel teknolojisine, en az 250 nits parlaklık değerine sahip olmalıdır.*
1.8.	With FreeDos installed or without an operating system	*Bilgisayar işletim sistemsiz olacak veya Free Dos İşletim Sistemi yüklü olacaktır.*
1.9.	Integrated camera, speaker and microphone	*Bilgisayarda dâhili kamera, hoparlör ve mikrofon olacaktır.*
1.10.	Lithium-ion or Lithium polymer structured battery, at least 45 Wh	*Bilgisayarın pili, lityum iyon veya lityum polimer yapıda ve 45 WHr gücünde olacaktır.*
1.11.	It must have EnergyStar certification. The Energy Star compatibility of the computers should be documented.	*Teklif edilen bilgisayarlar, uluslararası "Energy Star" sertifikasına sahip olmalıdır. Teklif edilen bilgisayarların "Energy Star" uyumluluğu belgelendirilmelidir.*
1.12.	It must be EPEAT-Registered, its class must be at least "bronze".	*EPEAT-Registered olmalıdır, sınıfı en az "bronze" olmalıdır.*
1.13.	The keyboard shall be in Turkish.	*Bilgisayarın klavyesi Türkçe olacaktır.*
1.14.	Wireless Mouse with same brand and carrying case shall be provided with the computer.	*Bilgisayar ile birlikte taşıma çantası ve aynı marka kablosuz mouse teslim edilecektir.*

Item to be supplied description// *Tedarik edilecek ürün tanımı*	Quantity // *Miktar*
2.Laptop Computer Type 2 // *Dizüstü Bilgisayar Tip 2*	**51 pieces //** *51 adet*

Technical Specifications

2.1.	The processor must have at least 6 MB cache, at least 1.6 GHz, able to reach at least 4.2 GHz with Turbo Boost, four physical cores and must be launched by the manufacturer in June 2019 or later.	*Bilgisayar işlemcisinin en az 6 MB önbelleğe sahip, en az 1.6 GHz, Turbo Boost ile en az 4.2 Ghz hıza çıkabilir, dört fiziksel çekirdeğe sahip ve üreticisi tarafından Haziran 2019 veya sonrasında duyurulmuş olmalıdır.*
2.2.	RAM should be at least 8 GB DDR4 with minimum 2.133 Mhz working frequency.	*Bilgisayarda bellek en az 8 GB DDR4 olacak, bellek çalışma frekansı en az 2.133 Mhz. olacaktır.*

2.3.	At least 256 GB SSD with M.2 interface + 1 TB SATA HDD. The computer must have at least 2 ports with USB 3.0 and/or USB 3.1 connections.	*En az 256 GB SSD M.2 arayüze sahip olmalıdır. + 1 TB SATA HDD olmalıdır. Bilgisayarda USB 3.0 ve/veya USB 3.1 girişli en az iki port olacaktır.*
2.4.	At least 1 HDMI or Display Port support and RJ 45 connection point (internal or external).	*Bilgisayarda en az 1 HDMI veya Display port desteği ve RJ 45 bağlantı noktası (dâhili veya harici) olacaktır.*
2.5.	At least 802.11 AC or 802.11 AX Wireless LAN technology	*Bilgisayarda Wireless LAN teknolojisi en az 802.11 AC veya 802.11 AX olacaktır.*
2.6.	The screen size should be 15 or 15.6 inches.	*Bilgisayarda ekran boyutu 15 veya 15,6 inç olacaktır.*
2.7.	The screen resolution should be at least HD 1920 x 1080 and IPS or WVA panel technology, with at least 250 nits brightness value.	*Ekran Çözünürlüğü en az Full HD 1920 x 1080 ve IPS veya WVA panel teknolojisine, en az 250 nits parlaklık değerine sahip olmalıdır.*
2.8.	With FreeDos installed or without an operating system	*Bilgisayar işletim sistemsiz olacak veya Free Dos İşletim Sistemi yüklü olacaktır.*
2.9.	Integrated camera, speaker and microphone	*Bilgisayarda dâhili kamera, hoparlör ve mikrofon olacaktır.*
2.10.	Lithium-ion or Lithium polymer structured battery, at least 45 Wh	*Bilgisayarın pili, lityum iyon veya lityum polimer yapıda ve 45 WHr gücünde olacaktır.*
2.11.	It must have EnergyStar certification. The Energy Star compatibility of the computers should be documented.	*Teklif edilen bilgisayarlar, uluslararası "Energy Star" sertifikasına sahip olmalıdır. Teklif edilen bilgisayarların "Energy Star" uyumluluğu belgelendirilmelidir.*
2.12.	It must be EPEAT-Registered, its class must be at least "bronze".	*EPEAT-Registered olmalıdır, sınıfı en az "bronze" olmalıdır.*
2.13.	The keyboard shall be in Turkish.	*Bilgisayarın klavyesi Türkçe olacaktır.*
2.14.	Wireless Mouse with same brand and carrying case shall be provided with the computer.	*Bilgisayar ile birlikte taşıma çantası ve aynı marka kablosuz mouse teslim edilecektir.*

Item to be supplied description// *Tedarik edilecek ürün tanımı*		Quantity // *Miktar*
3. All in One Desktop Computer // *Tümleşik Masaüstü Bilgisayar*		7 pieces // *7 adet*
Technical Specifications		
3.1.	CPU Passmark value should be at least 10000. (It could be found under benchmark menu of www.passmark.com)	*Bilgisayarın CPU Passmark değeri en az 10000 olacaktır. (www.passmark.com sayfasında benchmark menüsünden bulunabilir).*
3.2.	CPU value must be at least 12 MB cache	*Bilgisayarın CPU değeri en az 12 MB ön belleğe sahip olacaktır.*
3.3.	The processor must be launched in 2019 or later.	*Bilgisayarın işlemcisinin piyasaya çıkış tarihi 2019 yılı ve sonrası olacaktır.*
3.4.	The motherboard should be same brand with the computer and bios software should be	*Teklif edilen bilgisayarın ana kartı bilgisayar ile aynı marka ve bios yazılımı sistem üreticisi*

	manufactured or developed by the system manufacturer.	*tarafından üretilmiş veya geliştirilmiş olacaktır.*
3.5.	Chipset manufacturer shall be B360, Q370 or higher enterprise chipset.	*Teklif edilecek yonga seti üreticisinin masaüstü bilgisayarlar için B360, Q370 veya üzeri yonga seti olacaktır.*
3.6.	RAM should be at least 16 GB DDR4 with minimum 2.400 Mhz working frequency.	*Bilgisayarın belleği PC için; en az 16 GB DDR4 olacak, bellek çalışma frekansı en az 2.400 Mhz. olacaktır.*
3.7.	The following hardware must be provided as integrated to the computer: at least Gigabit Ethernet, Wi-fi 802.11 a/b/g/n, Bluetooth 4.0, at least 1 USB 3.0, headphone input, web cam.	*Bilgisayarda en az Gigabit Ethernet, Wi-Fi 802.11 a/b/g/n, en az Bluetooth 4.0, en az bir usb 3.0 girişi, kulaklık girişi, web cam olacak ve bu donanımlar dahili olarak bulunacaktır.*
3.8.	Integrated graphic card and sound card.	*Bilgisayarda tümleşik ekran kartı ve ses kartı olacaktır.*
3.9.	At least 256 GB SSD Disk and 1 TB Sata Hard Disk	*Bilgisayarda en az 256 GB ssd disk ve 1TB Sata Disk bulunacaktır.*
3.10.	At least 23.8 inch screen with IPS or WVA Full HD (1920x1080) resolution.	*Ekran en az 23,8 inch ve çözünürlüğü IPS veya WVA Full HD (1920 x 1080) olacaktır.*
3.11.	With FreeDos installed or without an operating system	*Bilgisayar işletim sistemsiz olacak veya Free Dos İşletim Sistemi yüklü olacaktır.*
3.12.	Keyboard and mouse must be same brand with the computer.	*Klavye ve fare bilgisayarla aynı marka olacaktır.*
3.13.	It must have EnergyStar certification. The Energy Star compatibility of the computers should be documented.	*Teklif edilen bilgisayarlar, uluslararası "Energy Star" sertifikasına sahip olmalıdır. Teklif edilen bilgisayarların "Energy Star" uyumluluğu belgelendirilmelidir.*
3.14.	It must be EPEAT-Registered, its class must be at least "bronze".	*EPEAT-Registered olmalıdır, sınıfı en az "bronze" olmalıdır.*
3.15.	It must support uppercase and lowercase Turkish character set, and it must be explained to which standards it complies.	*Bilgisayar büyük ve küçük harf Türkçe karakter setini destekleyecek, bunu hangi standartlara uyarak sağladığı açıklanacaktır.*
3.16.	Turkish keyboard	*Bilgisayarın klavyesi Türkçe olacaktır.*

Item to be supplied description// *Tedarik edilecek ürün tanımı*	Quantity // *Miktar*
4. **Laser Printer (Color) Type 1 //** *Lazer yazıcı (Renkli) Tip 1*	**13 pieces //** *13 adet*

Technical Specifications

4.1.	The printing technology must be laser.	*Yazıcının baskı teknolojisi lazer olacaktır.*
4.2.	Printing method: color	*Yazıcının yazdırma özelliği Renkli olacaktır.*
4.3.	Print, copy, scan features	*Yazıcının; yazdırma, fotokopi, tarama özelliği olacaktır.*
4.4.	Print, copy and scan in A4, A5, B5 sized papers	*Yazıcı; A4, A5, B5 ebatlarındaki kâğıtlara*

		yazım, kopyalama ve tarama yapacaktır.
4.5.	Printing speed in black-white or color: at least 27 A4 pages/minute	*Yazıcının siyah-beyaz veya renkli baskı hızı; dakikada en az 27 adet A4 kâğıt olacaktır*
4.6.	Print quality: min 600 x 600 dpi resolution	*Yazıcının baskı kalitesi en az 600X600 dpi çözünürlükte olacaktır.*
4.7.	Monthly printing capacity: at least 50.000 pages	*Yazıcının aylık baskı kapasitesi en az 50.000 sayfa olacaktır.*
4.8.	Sequential copy limits: at least 1-999 copies	*Yazıcının art arda kopya sayısı en az 1-999 kopyaya kadar olacaktır.*
4.9.	Scan: at least in PDF and JPG formats	*Yazıcı en az PDF ve JPG formatlarında tarama yapacaktır.*
4.10.	ADF scanning feature	*Yazıcı ADF tarama yapacaktır.*
4.11.	Scan resolution: min 600 x 600 dpi	*Yazıcının tarama çözünürlüğü en az 600x600 dpi olacaktır.*
4.12.	Copy speed: at least 27 copies/minute	*Yazıcının fotokopi hızı dakikada en az 27 kopya olacaktır.*
4.13.	Copy feature is able to zoom in/out image between 25% - 200%	*Yazıcının fotokopi özelliği, görüntüyü en az % 25 ile % 200 oranları arasında büyütme ve küçültme yapabilecektir.*
4.14.	At least 512 MB internal memory	*Yazıcının dâhili hafıza en az 512 MB olacaktır.*
4.15.	At least 250 pages paper tray	*Yazıcının kâğıt tepsi kapasitesi en az 250 sayfa olacaktır.*
4.16.	The automatic document feeder must have a capacity of at least 50 papers.	*Yazıcının otomatik belge besleyicisi en az 50 kâğıt olacaktır.*
4.17.	It must be able to connect at least through USB 2.0 and network. 3 m USB cable must be supplied with the item.	*Yazıcı en az USB 2.0 ve ağ üzerinden bağlanabilecektir. 3 metre USB kablo ürün ile birlikte teslim edilecektir.*
4.18.	The connection interface must be at least USB 2.0 and Ethernet with speed 10/100/1000.	*Bağlantı ara birimi en az USB 2.0 ve Ethernet hızı 10/100/1000 olacaktır.*
4.19.	Standard printer languages must be PCL5 or PCL6.	*Yazıcının standart yazıcı dilleri PCL5 veya PCL6 olacaktır.*
4.20.	The printer shall work smoothly with Windows 8 (32/64 bit), Windows 10 (32/64 bit) and LINUX (32/64 bit), MacOS 64 bit operating systems and the drivers for these operating systems must be given in CD with the printer.	*Yazıcı Windows 8 (32/64 bit), Windows 10 (32/64 bit) ve LINUX (32/64 bit), MacOS 64 bit işletim sistemleri ile sorunsuz çalışacak ve bu işletim sistemlerine ait sürücüler, yazıcı yanında cd ortamında verilecektir.*
Item to be supplied description// *Tedarik edilecek ürün tanımı*		**Quantity // *Miktar***
5. Laser Printer (Color) Type 2 // *Lazer yazıcı (Renkli) Tip 2*		**4 piece // *4 adet***
Technical Specifications		
5.1.	The printing technology must be laser.	*Yazıcının baskı teknolojisi lazer olacaktır.*

5.2.	Printing method: color	*Yazıcının yazdırma özelliği Renkli olacaktır.*
5.3.	Print, copy, scan features	*Yazıcının; yazdırma, fotokopi, tarama özelliği olacaktır.*
5.4.	Print, copy and scan in A3, A4, A5, B5 sized papers	*Yazıcı; A3,A4, A5, B5 ebatlarındaki kâğıtlara yazım, kopyalama ve tarama yapacaktır.*
5.5.	Printing speed in black-white or color: at least 25 A4 pages/minute	*Yazıcının siyah-beyaz veya renkli baskı hızı; dakikada en az 25 adet A4 kâğıt olacaktır*
5.6.	Print quality: min 600 x 600 dpi resolution	*Yazıcının baskı kalitesi en az 600X600 dpi çözünürlükte olacaktır.*
5.7.	Monthly printing capacity: at least 10.000-75.000 pages	*Yazıcının aylık baskı kapasitesi en az 10.000-75.000 sayfa olacaktır.*
5.8.	Sequencial copy limits: at least 1-99 copies	*Yazıcının art arda kopya sayısı en az 1- 99 kopyaya kadar olacaktır.*
5.9.	Scan: at least in PDF and JPG formats	*Yazıcı en az PDF ve JPG formatlarında tarama yapacaktır.*
5.10.	ADF scanning feature	*Yazıcı ADF tarama yapacaktır.*
5.11.	Scan resolution: min 600 x 600 dpi	*Yazıcının tarama çözünürlüğü en az 600x600 dpi olacaktır.*
5.12.	Copy speed: at least 25 copies/minute	*Yazıcının fotokopi hızı dakikada en az 25 kopya olacaktır.*
5.13.	Copy feature is able to zoom in/out image between 25% - 200%	*Yazıcının fotokopi özelliği, görüntüyü en az % 25 ile % 200 oranları arasında büyütme ve küçültme yapabilecektir.*
5.14.	At least 512 MB internal memory	*Yazıcının dâhili hafıza en az 512 MB olacaktır.*
5.15.	At least 250 pages paper tray	*Yazıcının kâğıt tepsi kapasitesi en az 250 sayfa olacaktır.*
5.16.	The automatic document feeder must have a capacity of at least 50 papers.	*Yazıcının otomatik belge besleyicisi en az 50 kâğıt olacaktır.*
5.17.	It must be able to connect at least through USB 2.0 and network. 3 m USB cable must be supplied with the item.	*Yazıcı en az USB 2.0 ve ağ üzerinden bağlanabilecektir. 3 metre USB kablo ürün ile birlikte teslim edilecektir.*
5.18.	The connection interface must be at least USB 2.0 and Ethernet with speed 10/100/1000.	*Bağlantı ara birimi en az USB 2.0 ve Ethernet hızı 10/100/1000 olacaktır.*
5.19.	Standard printer languages must be PCL5 or PCL6.	*Yazıcının standart yazıcı dilleri PCL5 veya PCL6 olacaktır.*
5.20.	The printer shall work smoothly with Windows 8 (32/64 bit), Windows 10 (32/64 bit) and LINUX (32/64 bit), MacOS 64 bit operating systems and the drivers for these operating systems must be given in CD with the printer.	*Yazıcı Windows 8 (32/64 bit), Windows 10 (32/64 bit) ve LINUX (32/64 bit), MacOS 64 bit işletim sistemleri ile sorunsuz çalışacak ve bu işletim sistemlerine ait sürücüler, yazıcı yanında cd ortamında verilecektir.*

Item to be supplied description// *Tedarik edilecek ürün tanımı*	Quantity // *Miktar*
6. Laser Printer (Black&White) // *Lazer yazıcı (Siyah-Beyaz)*	41 pieces // *41 adet*

Technical Specifications

6.1.	The printing technology must be laser.	*Yazıcının baskı teknolojisi lazer olacaktır.*
6.2.	Printing method: black-white	*Yazıcının yazdırma özelliği siyah-beyaz olacaktır.*
6.3.	Print, copy, scan features	*Yazıcının; yazdırma, fotokopi, tarama özelliği olacaktır.*
6.4.	Print, copy and scan in A4, A5, B5 sized papers	*Yazıcı; A4, A5, B5 ebatlarındaki kâğıtlara yazım, kopyalama ve tarama yapacaktır.*
6.5.	Printing speed in black-white or color: at least 35 A4 pages/minute	*Yazıcının siyah-beyaz veya baskı hızı; dakikada en az 35 adet A4 kâğıt olacaktır*
6.6.	Print quality: min 600 x 600 dpi resolution	*Yazıcının baskı kalitesi en az 600X600 dpi çözünürlükte olacaktır.*
6.7.	Monthly printing capacity: at least 50.000 pages	*Yazıcının aylık baskı kapasitesi en az 50.000 sayfa olacaktır.*
6.8.	Sequencial copy limits: at least 1-99 copies	*Yazıcının art arda kopya sayısı en az 1-99 kopyaya kadar olacaktır.*
6.9.	Scan: at least in PDF and JPG formats	*Yazıcı en az PDF ve JPG formatlarında tarama yapacaktır.*
6.10.	ADF scanning feature	*Yazıcı ADF tarama yapacaktır.*
6.11.	Scan resolution: min 600 x 600 dpi	*Yazıcının tarama çözünürlüğü en az 600X600 dpi olacaktır.*
6.12.	Copy speed: at least 35 copies/minute	*Yazıcının fotokopi hızı dakikada en az 35 kopya olacaktır.*
6.13.	Copy feature is able to zoom in/out image between 25% - 200%	*Yazıcının fotokopi özelliği, görüntüyü % 25 ile % 200 oranları arasında büyütme ve küçültme yapabilecektir.*
6.14.	At least 512 MB internal memory	*Yazıcının dâhili hafıza en az 512 MB olacaktır.*
6.15.	At least 250 pages paper tray	*Yazıcının kâğıt tepsi kapasitesi en az 250 sayfa olacaktır.*
6.16.	The automatic document feeder must have a capacity of at least 50 papers.	*Yazıcının otomatik belge besleyicisi en az 50 kâğıt olacaktır.*
6.17.	It must be able to connect at least through USB 2.0 and network. 3 m USB cable must be supplied with the item.	*Yazıcı en az USB 2.0 ve ağ üzerinden bağlanabilecektir. 3 metre USB kablo ürün ile birlikte teslim edilecektir.*
6.18.	The connection interface must be at least USB 2.0 and Ethernet with speed 10/100/1000.	*Bağlantı ara birimi en az USB 2.0 ve Ethernet hızı 10/100/1000 olacaktır.*
6.19.	Standard printer languages must be PCL5 or PCL6.	*Yazıcının standart yazıcı dilleri PCL5 veya PCL6 olacaktır.*
6.20.	The printer shall work smoothly with Windows 8 (32/64 bit), Windows 10 (32/64 bit) and LINUX (32/64 bit), MacOS 64 bit	*Yazıcı Windows 8 (32/64 bit), Windows 10 (32/64 bit) ve LINUX (32/64 bit), MacOS 64 bit işletim sistemleri ile sorunsuz çalışacak ve bu*

	operating systems and the drivers for these operating systems must be given in CD with the printer.	*işletim sistemlerine ait sürücüler, yazıcı yanında cd ortamında verilecektir.*
Item to be supplied description// *Tedarik edilecek ürün tanımı*		**Quantity // *Miktar***
7. Dot Matrix Printer // *Nokta vuruşlu (dot matrix) yazıcı*		**2 pieces // *2 adet***
Technical Specifications		
7.1.	Printing width: min 80 columns	*Yazıcı en az 80 kolon genişliğinde baskı yapacaktır.*
7.2.	Printing speed: At least 415 cps in 10 cpi draft mode or fast draft mode	*Yazıcı 10 cpi taslak modda veya fast draft modda en az 415 cps hızında yazacaktır.*
7.3.	Number of head needles: min 18	*Yazıcının kafa iğne sayısı en az 18 olacak ve yazıcı kafası garantiye dâhil olacaktır.*
7.4.	The printer must have a parallel port, a USB 2.0 port.	*Yazıcı paralel port, USB 2.0 portuna sahip olacaktır.*
7.5.	Buffer: min 128 KB and shall support at least 240x144 dpi resolution.	*En az 128 KB ara belleğe (buffer) sahip olacak ve en az 240 X 144 dpi çözünürlüğü destekleyecektir.*
7.6.	Noise level: max. 57 dBA	*Yazıcının gürültü seviyesi en fazla 57 dBA olacaktır.*
7.7.	The printer must support at least four fonts.	*Yazıcı en az dört yazı fontunu destekleyecektir.*
7.8.	The lifetime of the tape should be at least 4.000.000 characters (Four million or higher).	*Yazıcıda kullanılan şerit ömrü en az 4.000.000 (dört milyon veya üzeri) karakter olacaktır.*
7.9.	The lifetime of the printer head should be at least 300.000.000 characters (Three hundred million or higher).	*Yazıcı kafa ömrü en az 300.000.000 (üç yüz milyon) veya üzeri karakter olacaktır.*
7.10.	Drivers for Windows should be presented and it will be able to print in Turkish in the related operating systems.	*Windows sürücüleri bulunacak ve ilgili işletim sistemi uygulamalarında Türkçe yazacaktır.*
7.11.	Paper size: A4, continuous form, intermittent form (must print min 1 original 5 copies).	*Yazıcıda A4, sürekli form ve kesik form kullanılabilecek, en az 1 asıl 5 nüsha kopya baskı yapabilecektir.*
7.12.	A number of spare original tape must be provided with the item, that can print 20,000,000 (twenty million) characters of print, other than the original printer tape.	*Cihazlarla beraber orijinal yazıcı şeridi dışında 20.000.000 (yirmi milyon) karakter baskı yapacak sayıda yedek orijinal şerit verilecektir.*
7.13.	Drivers, connection cables and booklets shall be given.	*Yazıcı ile sürücü driverleri, bağlantı kabloları ve kitapçıkları verilecektir.*
7.14.	There shall be a straight paper path and a standard push tractor.	*Yazıcıda düz kâğıt yolu ve standart itmeli traktör bulunacaktır.*
7.15.	The printer shall work smoothly with Windows 8 (32/64 bit) and Windows 10 (32/64 bit) operating systems and the drivers for these operating systems must be given in a CD with the printer.	*Yazıcı Windows 8 (32/64 bit) ve Windows 10 (32/64 bit) işletim sistemleri ile sorunsuz çalışacak ve bu işletim sistemlerine ait sürücüler, yazıcı yanında cd ortamında verilecektir.*

Item to be supplied description// *Tedarik edilecek ürün tanımı*	Quantity // *Miktar*
8. Video Camera // *Video Kamera*	**1 pc. //** *1 adet*

Technical Specifications

8.1.	Number of effective pixels: min 14.2M pixel (16:9)	*Efektif piksel sayısı: min 14.2M pixel (16:9)*
8.2.	Lens: fixed lens capable of 12x optical zoom	*Lens: 12x optik zoom özelliğinde sabit lens*
8.3.	24x image zoom technology	*24x görüntü yaklaştırma teknolojisi*
8.4.	Camera recording format: XAVC S (4K and HD): MPEG4-AVC/H264 4: 2:0 long profile, AVCHD: MPEG-4 AVC/H.264 AVCHD 2.0 medium format compatible and DV formats must be supported.	*Kamera kayıt formatı: XAVC S (4K ve HD): MPEG4-AVC/H264 4:2:0 uzun profil, AVCHD: MPEG-4 AVC/H.264 AVCHD 2.0 orta format uyumlu ve DV formatlarını desteklemelidir.*
8.5.	Recording rate: 3840x2160 25p, 100Mbps/60Mbps in 4K format	*Kayıt hızı: 4K formatta 3840x2160 25p, 100Mbps/60Mbps*
8.6.	Card format: It must be able to record on MSPro Duo, SDXC, SDHC cards and there must be 2 card slots suitable for these cards.	*Kart formatı: MSPro Duo, SDXC,SDHC kartlara kayıt yapabilmeli ve bu kartlara uygun 2 adet kart girişi bulunmalıdır.*
8.7.	The camera must have a built-in ND filter at a rate of 1/4ND, 1/16ND, 1/64ND.	*Kamera 1/4ND, 1/16ND, 1/64ND oranında dahili ND filtreye sahip olmalıdır.*
8.8.	Indoor and outdoor color temperature adjustment must be able to be made with the camera.	*Kamera ile iç mekan ve dış mekan renk sıcaklığı ayarı yapılabilmelidir.*
8.9.	The camera must have HDMI, Composite Video (BNC Type) video output, RCA audio output, Lanc Control input for lens remote.	*Kamera HDMI, Composite Video (BNC Tip) video çıkışı, RCA ses çıkışı, lens remote için Lanc Control girişi barındırmalıdır.*
8.10.	The camera must have 2 pcs of 3-pin XLR audio inputs.	*Kamera da 2 Adet 3 pinli XLR ses girişi bulunmalıdır.*
8.11.	The camera must have a 3"LCD screen.	*Kamera min 3" LCD ekrana sahip olmalıdır.*
8.12.	The device box must contain a charger, battery, adapter, connection cables, user manual and warranty certificate.	*Cihaz kutusunda; şarj cihazı, batarya, Adaptör, bağlantı kabloları, kullanım kılavuzu ve garanti belgesi bulunmalıdır.*
8.13.	There must be 2 (two) min. 64 GB 1000x memory cards that is compatible with the device.	*Cihaza uyum sağlayan 2 (iki) adet en az 64 GB 1000x hafıza kartı olmalıdır.*
8.14.	There must be an extra spare battery (battery) for the device.	*Cihaza ait fazladan bir adet yedek pil (batarya) olmalıdır.*
8.15.	Along with the device, there must be a waterproof carrying case that is compatible with the device and a Tripod compatible with the Camera.	*Çihazla birlikte yanında; Cihaza Uyum Sağlayan Su geçirmez özellikte taşıma çantası ve Kamera ile uyumlu Tripod olmalıdır.*

Item to be supplied description// *Tedarik edilecek ürün tanımı*		Quantity // *Miktar*
9. **Digital Camera //** *Dijital Fotoğraf Makinesi*		**5 adet //** *5 pcs*

Technical Specifications

9.1.	Product type: DSLR	*Ürün tipi: DSLR*
9.2.	Image sensor: at least 18 megapixel CMOS (Aps-c)	*Görüntü sensörü: en az 18 megapixel CMOS (Aps-c)*
9.3.	Image processor type: DIGIC 4	*Görüntü işlemcisi tipi: DIGIC 4*
9.4.	It must have an 18-55 mm lens.	*18-55 mm lensi olamlıdır.*
9.5.	Storage Type: SD card, SDHC card or SDXC card	*Depolama Tip: SD kart, SDHC kart veya SDXC kart*
9.6.	Storage card with at least 128 GB capacity, compatible with the camera, must be provided with the camera.	*En az 128 GB kapasiteli, kameraya uyumlu depolama kartı kamera ile birlikte verilmelidir.*
9.7.	It must have at least 3 '' LCD screen.	*En az 3'' LCD ekranı olmalıdır.*
9.8.	Rechargeable battery, battery charger and extra spare battery must be supplied with the product. Batteries must be original product.	*Şarj edilebilir pil, pil şarj cihazı ve ekstra yedek pil ürünle verilmelidir. Piller orijinal ürün olmalıdır.*
9.9.	The specified accessories must be supplied with the camera: hand strap and muster bag compatible with the model offered,	*Belirtilen aksesuarlar kamera ile birlikte verilmelidir: teklif edilen modele uyumlu omuz çantası, el askısı*
9.10.	1 HDMI cable and 1 display port connection cable must be provided with the product.	*1 adet HDMI kablosu ve 1 adet display port bağlantı kablosu ürünle birlikte verilmelidir.*

Item to be supplied description// *Tedarik edilecek ürün tanımı*		Quantity // *Miktar*
10. **Power Bank //** *Taşınabilir Şarj Cihazı*		**135 pcs. //** *135 adet*

Technical Specifications

10.1.	Battery type: Li-Polymer	*Pil türü: Li-Polimer*
10.2.	Battery Capacity: min 10000 mAh,	*Pil Kapasitesi: min 10000 mAh,*
10.3.	Power Input: DC5V / 2A	*Güç Girişi: DC5V / 2A*
10.4.	2 USB Ports	*2 adet USB Port*
10.5.	USB outputs must be at least 2A	*USB çıkışlar en az 2A olmalıdır*
10.6.	It must be compatible with all mobile phones, smart phones, Apple products (iPod, iPad, iPhone) all tablet PCs that can be charged via USB. It must be able to easily connect and charge the devices and the necessary cables	*USB'den şarj olabilen tüm cep telefonları, akıllı telefonlar, Apple ürünleri (iPod, iPad, iPhone) tüm tablet PC'ler, ile uyumlu olmalıdır. Rahatlıkla aygıtları bağlayıp şarj edebilmeli ve gerekli kablolar ve dönüştürücülere paket*

	and converters must be included in the package.	*içerisinde yer almalıdır.*
10.7.	It must be ISO 9001: 2008 and CE Certified.	*ISO 9001:2008 ve CE Sertifikalı olmalıdır.*
10.8.	There must be a LED display showing the battery status on it.	*Üzerinde pil durumunu gösteren LED ekran bulunmalıdır.*

Item to be supplied description// *Tedarik edilecek ürün tanımı*	Quantity // *Miktar*
11. Hand Held GPS // *El Tipi GPS*	**18 pieces //** *18 adet*

Technical Specifications		
11.1.	It must be waterproof and IPX7 coded.	*Su geçirmez özellikte ve IPX7 kodlu olmalıdır.*
11.2.	It must have electronic compass.	*Elektronik pusulası olmalıdır.*
11.3.	It must have a basic map and be able to add maps to the device.	*Temel haritası olmalı ve cihaza harita eklenebilmelidir.*
11.4.	Sun, moon details must be available.	*Güneş, ay bilgisi bulunmalıdır.*
11.5.	It must have barometric altimeter and must be able to calculate area.	*Barometrik altimetresi olmalı, alan hesaplaması yapabilmelidir.*
11.6.	Screen size must be at least 3".	*Ekran boyutu en az 3" olmalıdır.*
11.7.	The screen must be TFT-compatible and touchscreen.	*Ekranı TFT özellikli ve dokunmatik olmalıdır.*
11.8.	The display resolution shall be at least 240x400 pixels.	*Ekran çözünürlüğü en az 240x400 piksel olmalıdır.*
11.9.	It must have an internal memory and an internal camera.	*Dâhili hafızası ve dahili kamerası bulunmalıdır.*
11.10.	It must have unit-to-unit transfer feature.	*Birimden birime transfer özelliği bulunmalıdır.*
11.11.	It must have at least 815 MB of internal capacity and the memory must be expandable. The device must support Micro SD memory cards.	*Dâhili en az 815 MB kapasitesi bulunmalı ve hafıza arttırılabilir özellikte olmalıdır. Cihaz Micro SD özellikli hafıza kartlarını desteklemelidir.*
11.12.	The device must be rechargeable. Battery life must be at least 16 hours. Battery technology must be Ni-MH.	*Cihaz şarj edilebilir özellikte olmalıdır. Pil ömrü en az 16 saat olmalıdır. Pil teknolojisi Nİ-MH özellikte olmalıdır.*

Item to be supplied description// *Tedarik edilecek ürün tanımı*	Quantity // *Miktar*
12. Laser Meter // *Lazer Metre*	**19 pieces //** *19 adet*

Technical Specifications		
12.1.	The laser measurement distance must be suitable for outdoors and the minimum measurement range must be 0.05-100 m.	*Lazer ölçüm mesafesi dış mekan için uyumlu ve en az ölçüm aralığı 0,05-100 m olmalıdır.*
12.2.	The measuring system must be metric.	*Ölçüm sistemi metrik olmalıdır.*

12.3.	Dust and spray water protection must be IP 54.	*Toz ve püskürme suyu koruması IP 54 olmalıdır.*
12.4.	It must have length, area and volume measurement function.	*Uzunluk, alan ve hacim ölçüm fonksiyonu olmalıdır*
12.5.	Laser meter and all accessories must have CE certificate.	*Lazermetre ve tüm aksesuarlarının CE belgesi olmalıdır.*
12.6.	Protection bag, carrying bag, 4 batteries must be delivered as a complete set.	*Koruma çantası, taşıma çantası, 4 adet pili komple takım olarak teslim edilmelidir.*

Item to be supplied description// *Tedarik edilecek ürün tanımı*	Quantity // *Miktar*
13. Projector and Projection Curtain // *Projektör ve Projeksiyon Perdesi*	**12 pieces //** *12 adet*

Technical Specifications

13.1.	Light power: At least 2300 ANSI lumen	*Projeksiyon cihazının ışık gücü; en az 3200 ANSI lümen olacaktır.*
13.2.	Real resolution: At least 1024x768 (XGA) and able to compact up to 1080P; (1920X1080) 60 Hz highest resolution	*Projeksiyon cihazının gerçek çözünürlüğü; en az 1024x768 (XGA) olacak ve cihaz 1080P; (1920X1080) 60 Hz en yüksek çözünürlüğe kadar sıkıştırma yapacaktır.*
13.3.	Projection technology: DLP, LCD or LED	*Projeksiyon cihazının gösterim teknolojisi DLP, LCD veya LED olacaktır.*
13.4.	Lamp lifetime: At least 4,000 hours and contrast ratio: at least 15,000:1	*Projeksiyon cihazının lamba ömrü; en az 4.000 saat ve kontrast oranı en az 15.000:1 olacaktır.*
13.5.	At least 1 HDMI computer input, 1 USB input, sound input and output	*Projeksiyon cihazında en az; 1 adet HDMI bilgisayar girişi, bir adet USB girişi olacak, ses girişi ve çıkışını destekleyecektir.*
13.6.	Video signalling system should be compatible with with PAL and video compatibility must be in line with NTNSC, PAC, SECAM.	*Projeksiyon cihazının video sinyal sistemi PAL uyumlu ve video uyumluluğu NTSC, PAL, SECAM olacaktır.*
13.7.	It must have sound input and at least 2 W power integrated speaker	*Projeksiyon cihazının ses girişi ve en az 2 W gücünde dâhili hoparlörü olacaktır.*
13.8.	It must have zoom and focus features. It must be able to make keystone correction.	*Projeksiyon cihazında yakınlaştırma (zoom) ve netlik ayarı (focus) olacaktır. Otomatik keystone düzeltme yapabilecektir.*
13.9.	It must have a remote controller.	*Projeksiyon cihazının uzaktan kumandası olacaktır.*
13.10.	Ceiling hanger apparatus and 20 meters HDMI extension cable should be provided.	*Projeksiyon cihazının tavan askı aparatı ve 20 metre HDMI uzatma kablosu olacaktır.*
13.11.	The projector should be original brand of the manufacturing company; it should not be a sub-production, copy, OEM and manucfactured by another projection company.	*Projeksiyon cihazı üretici firmanın orijinal markası olacak; fason, kopya, OEM ve başka bir projeksiyon firması tarafından üretilmiş olmayacaktır.*
13.12.	The printer shall work smoothly with Windows 8 (32/64 bit), Windows 10 (32/64	*Projeksiyon cihazı Windows 8 (32/64 bit), Windows 10 (32/64 bit) ve MacOS 64 bit*

	bit) and MacOS 64 bit operating systems and the drivers for these operating systems must be given in CD with the item.	*işletim sistemleri ile sorunsuz çalışacak ve bu işletim sistemlerine ait sürücüler, yazıcı yanında cd ortamında verilecektir.*
13.13.	The projector should be delivered assembled and all connections made, in working condition, no additional fee should be requested for assembling and connections.	*Projeksiyon cihazı, montajlı ve tüm bağlantılar kurularak, çalışır şekilde, teslim edilecek, montaj ve bağlantılar için ek bir ücret talep edilmeyecektir.*
13.14.	At least 150 * 150 cm projection screen with front projection feature and tripod foot must be provided with the item.	*Cihaz ile birlikte en az 150*150 cm ölçülerinde önden yansıtma özellikli, tripod ayaklı projeksiyon perdesi verilmelidir.*

Section 5b: Other Related Requirements

Further to the Schedule of Requirements in the preceding Table, Bidders are requested to take note of the following additional requirements, conditions, and related services pertaining to the fulfillment of the requirements:

Delivery Term [INCOTERMS 2020] *(Pls. link this to price schedule)*	DAP
Exact Address of Delivery/Installation Location	**ADANA**: Adana İl Tarım ve Orman Müdürlüğü, Köprülü Mahallesi Mithat Özsan Bulvarı No:4 01330 Yüreğir/ADANA **OSMANİYE**: Osmaniye İl Tarım ve Orman Müdürlüğü, Kadirli Yolu Otoban Girişi / OSMANİYE **MERSİN**: Mersin İl Tarım ve Orman Müdürlüğü, Gazi Mah. 1303. Sokak No:13/A 33130 Yenişehir / MERSİN **KASTAMONU**: Kastamonu İl Tarım ve Orman Müdürlüğü, Saraçlar Mahallesi Bayındır Sokak No:2 37820 Merkez/KASTAMONU **BARTIN**: Bartın İl Tarım ve Orman Müdürlüğü, Gölbucağı Mah. 560. Sokak No:10 Merkez/ BARTIN **SİNOP**: Sinop İl Tarım ve Orman Müdürlüğü, Gelincik Mahallesi Fatih Caddesi No: 13 57000 SİNOP Transportation related costs of items for delivery to above mentioned location 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 (network cables, power cables, power adapter etc.) 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. Any interoperability problems between software and hardware must be resolved by the Contractor at no additional cost. In addition to the Article 11 "Purchase of Goods" of Annex 3- General Terms and Conditions for Contracts, inspection and acceptance procedures shall be carried out by the Inspection and Acceptance Committee following the delivery of goods. Relevant staff of UNDP and Adana, Osmaniye, Mersin, Kastamonu, Bartın and Sinop Provincial Directorate of Agriculture and Forestry under Ministry of Agriculture and Forestry and duly authorize representative of the Contractor shall attend to the Inspection and Acceptance Committee. 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.
Warranty Period	All items shall have certified two years manufacturer warranty certified with a warranty certificate in accordance with the Regulation on Code of Practice for Warranty Certificate. Any hardware including individual components like CPUs and whole systems that are announced as end-of-line by the manufacturer shall not be proposed by the offeror.
Payment Terms *(max. advanced payment is 20% as per UNDP policy)*	100% within 30 days upon UNDP's acceptance of the goods delivered as specified and receipt of invoice
Conditions for Release of Payment	☒ Inspection of goods upon arrival at destination ☒ Written Acceptance of Services based on full compliance with ITB requirements
All documentations, including catalogues, instructions and operating manuals, shall be in this language	Turkish

Section 6: Returnable Bidding Forms / Checklist

This form serves as a checklist for preparation of your Bid. Please complete the Returnable Bidding Forms in accordance with the instructions in the forms and return them as part of your Bid submission. No alteration to format of forms shall be permitted and no substitution shall be accepted.

Before submitting your Bid, please ensure compliance with the Bid Submission instructions of the BDS 22.

Technical Bid:

Have you duly completed all the Returnable Bidding Forms?	
▪ Form A: Bid Submission Form	☐
▪ Form B: Bidder Information Form	☐
▪ Form C: Joint Venture/Consortium/ Association Information Form	☐
▪ Form D: Qualification Form	☐
▪ Form E: Format of Technical Bid	☐
▪ From G: Form of Bid Security	☐
Have you provided the required documents to establish compliance with the evaluation criteria in Section 4?	☐

Price Schedule:

▪ Form F: Price Schedule Form	☐

Form A: Bid Submission Form

Name of Bidder:	[Insert Name of Bidder]	Date:	Select date
ITB reference:	[Insert ITB Reference Number]		

We, the undersigned, offer to supply the goods and related services required for [Insert Title of goods and services] in accordance with your Invitation to Bid No. [Insert ITB Reference Number] and our Bid. We hereby submit our Bid, which includes this Technical Bid and Price Schedule.

Our attached Price Schedule is for the sum of [Insert amount in words and figures and indicate currency].

We hereby declare that our firm, its affiliates or subsidiaries or employees, including any JV/Consortium /Association members or subcontractors or suppliers for any part of the contract:

a) 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;

b) 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;

c) have no conflict of interest in accordance with Instruction to Bidders Clause 4;

d) do not employ, or anticipate employing, any person(s) who is, or has been a UN staff member within the last year, if said UN staff member has or had prior professional dealings with our firm in his/her capacity as UN staff member within the last three years of service with the UN (in accordance with UN post-employment restrictions published in ST/SGB/2006/15);

e) 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;

f) undertake not to engage in proscribed practices, including but not limited to corruption, fraud, coercion, collusion, obstruction, 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 embrace the principles of the United Nations Supplier Code of Conduct and adhere to the principles of the United Nations Global Compact.

We declare that all the information and statements made in this Bid are true and we accept that any misinterpretation or misrepresentation contained in this Bid may lead to our disqualification and/or sanctioning by the UNDP.

We offer to supply the goods and related services in conformity with the Bidding documents, including the UNDP General Conditions of Contract and in accordance with the Schedule of Requirements and Technical Specifications.

Our Bid shall be valid and remain binding upon us for the period specified in the Bid Data Sheet.

We understand and recognize that you are not bound to accept any Bid you receive.

I, the undersigned, certify that I am duly authorized by [Insert Name of Bidder] to sign this Bid and bind it should UNDP accept this Bid.

Name: _____

Title: _____

Date: _____

Signature: _____

[Stamp with official stamp of the Bidder]

Form B: Bidder Information Form

Legal name of Bidder	[Complete]
Legal address	[Complete]
Year of registration	[Complete]
Bidder's Authorized Representative Information	Name and Title: [Complete] Telephone numbers: [Complete] Email: [Complete]
Are you a UNGM registered vendor?	☐ Yes ☐ No If yes, [insert UGNM vendor number]
Are you a UNDP vendor?	☐ Yes ☐ No If yes, [insert UNDP vendor number]
Countries of operation	[Complete]
No. of full-time employees	[Complete]
Quality Assurance Certification (e.g. ISO 9000 or Equivalent) *(If yes, provide a Copy of the valid Certificate):*	[Complete]
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):*	[Complete]
Does your Company have a written Statement of its Environmental Policy? *(If yes, provide a Copy)*	[Complete]
Does your organization demonstrates 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	[Complete]
Is your company a member of the UN Global Compact	[Complete]
Contact person that UNDP may contact for requests for	Name and Title: [Complete]

clarifications during Bid evaluation	Telephone numbers: [Complete] Email: [Complete]
Please attach the following documents:	- Certificate of Incorporation/ Business Registration - Trade name registration papers, if applicable - Signature Circular/Power of Attorney - Certification or authorization to act as agent / dealer / distributer on behalf of the Manufacturer - Export Licenses, if applicable - Official Letter of Appointment as local representative, if Bidder is submitting a Bid on behalf of an entity located outside the country

Form C: Joint Venture/Consortium/Association Information Form

Name of Bidder:	[Insert Name of Bidder]	Date:	Select date
ITB reference:	[Insert ITB Reference Number]		

To be completed and returned with your Bid if the Bid is submitted as a Joint Venture/Consortium/Association.

No	Name of Partner and contact information *(address, telephone numbers, fax numbers, e-mail address)*	Proposed proportion of responsibilities (in %) and type of goods and/or services to be performed
1	[Complete]	[Complete]
2	[Complete]	[Complete]
3	[Complete]	[Complete]

Name of leading partner (with authority to bind the JV, Consortium, Association during the ITB process and, in the event a Contract is awarded, during contract execution)	[Complete]

We have attached a copy of the below referenced document signed by every partner, which details the likely legal structure of and the confirmation of joint and severable liability of the members of the said joint venture:

☐ Letter of intent to form a joint venture   **OR**   ☐ JV/Consortium/Association agreement

We hereby confirm that if the contract is awarded, all parties of the Joint Venture/Consortium/Association shall be jointly and severally liable to UNDP for the fulfillment of the provisions of the Contract.

Name of partner: _____   Name of partner: _____

Signature: _____   Signature: _____

Date: _____   Date: _____

Name of partner: _____   Name of partner: _____

Signature: _____   Signature: _____

Date: _____   Date: _____

Form D: Eligibility and Qualification Form

Name of Bidder:	[Insert Name of Bidder]	Date:	Select date
ITB reference:	[Insert ITB Reference Number]		

If JV/Consortium/Association, to be completed by each partner.

History of Non- Performing Contracts

☐Non-performing contracts did not occur during the last 3 years			
☐ Contract(s) not performed in the last 3 years			
Year	**Non- performed portion of contract**	**Contract Identification**	**Total Contract Amount** (current value in TRY)
		Name of Client: Address of Client: Reason(s) for non-performance:	

Litigation History (including pending litigation)

☐ No litigation history for the last 3 years			
☐ Litigation History as indicated below			
Year of dispute	**Amount in dispute** (in TRY)	**Contract Identification**	**Total Contract Amount** (current value in TRY)
		Name of Client: Address of Client: Matter in dispute: Party who initiated the dispute: Status of dispute: Party awarded if resolved:	

Previous Relevant Experience

Please list only previous similar assignments successfully completed in the last 5 years.

List only those assignments for which the Bidder was legally contracted by the Client as a company or was one of the Consortium/JV partners. Assignments completed by the Bidder's individual experts working privately or through other firms cannot be claimed as the relevant experience of the Bidder, or that of the Bidder's partners or sub-consultants, but can be claimed by the Experts themselves in their CVs. The Bidder should be prepared to substantiate the claimed experience by presenting copies of relevant documents and references if so requested by UNDP.

Project name & Country of Assignment	Client & Reference Contact Details	Contract Value	Period of activity and status	Types of activities undertaken

Bidders may also attach their own Project Data Sheets with more details for assignments above.

Bidders shall submit Statements of Satisfactory Performance (i.e. Reference Letters, Work Completion Certificates) along with their bids. Reference letters and/or Completion Certificates shall include the information requested in above table at minimum.

Financial Standing

Annual Turnover for the last 3 years	Year TRY Year TRY Year TRY
Latest Credit Rating (if any), indicate the source	

Financial information (in TRY equivalent)	Historic information for the last 3 years		
	Year 1	Year 2	Year 3
	Information from Balance Sheet		
Total Assets (TA)			
Total Liabilities (TL)			
Current Assets (CA)			
Current Liabilities (CL)			
	Information from Income Statement		
Total / Gross Revenue (TR)			
Profits Before Taxes (PBT)			
Net Profit			
Current Ratio			

Bidders shall submit copies of the audited financial statements (balance sheets, including all related notes, and income statements) for the years required above complying with the following condition:Must reflect the financial situation of the Bidder or party to a JV, and not sister or parent companies;
   a)   Historic financial statements must be audited by a certified public accountant;
   b)   Historic financial statements must correspond to accounting periods already completed and audited. No statements for partial periods shall be accepted.

Form E: Format of Technical Bid

Name of Bidder:	[Insert Name of Bidder]	Date:	Select date
ITB reference:	[Insert ITB Reference Number]		

The Bidder's Bid should be organized to follow this format of the Technical Bid. Where the bidder is presented with a requirement or asked to use a specific approach, the bidder must not only state its acceptance, but also describe how it intends to comply with the requirements. Where a descriptive response is requested, failure to provide the same will be viewed as non-responsive.

SECTION 1: Bidder's qualification, capacity and expertise

1.1   General organizational capability which is likely to affect implementation: management structure, financial stability and project financing capacity, project management controls, extent to which any work would be subcontracted (if so, provide details).

1.2   Relevance of specialized knowledge and experience on similar engagements done in the region/country.

SECTION 2: Scope of Supply, Technical Specifications, and Related Services

This section should demonstrate the Bidder's responsiveness to the specification by identifying the specific components proposed, addressing the requirements, as specified, point by point; providing a detailed description of the essential performance characteristics proposed; and demonstrating how the proposed bid meets or exceeds the requirements/specifications. All important aspects should be addressed in sufficient detail.

Offerors shall fill out below table in English by indicating the Brand Name and Model number of the products 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.

#	Requested Technical Specifications	*Talep edilen teknik özellikler*	**Offered technical specifications by the Bidder shall be inserted in English** *Firma tarafından teklif edilen teknik özellikler İngilizce olarak verilmelidir*
	1.Laptop Computer Type 1	*Dizüstü Bilgisayar Tip 1*	
1.1.	The processor must have at least 6 MB cache, at least 1.6 GHz, able to reach at least 4.2 GHz with Turbo Boost, four physical cores and must be	*Bilgisayar işlemcisinin en az 6 MB önbelleğe sahip, en az 1.6 GHz, Turbo Boost ile en az 4.2 Ghz hıza çıkabilir, dört fiziksel çekirdeğe sahip ve üreticisi*	

	launched by the manufacturer in June 2019 or later.	*tarafından Haziran 2019 veya sonrasında duyurulmuş olmalıdır.*	
1.2.	RAM should be at least 8 GB DDR4 with minimum 2.133 Mhz working frequency.	*Bilgisayarda bellek en az 8 GB DDR4 olacak, bellek çalışma frekansı en az 2.133 Mhz. olacaktır.*	
1.3.	At least 256 GB SSD with M.2 interface + 1 TB SATA HDD. The computer must have at least 2 ports with USB 3.0 and/or USB 3.1 connections.	*En az 256 GB SSD M.2 arayüze sahip olmalıdır. + 1 TB SATA HDD olmalıdır. Bilgisayarda USB 3.0 ve/veya USB 3.1 girişli en az iki port olacaktır.*	
1.4.	At least 1 HDMI or Display Port support and RJ 45 connection point (internal or external).	*Bilgisayarda en az 1 HDMI veya Display port desteği ve RJ 45 bağlantı noktası (dâhili veya harici) olacaktır.*	
1.5.	At least 802.11 AC or 802.11 AX Wireless LAN technology	*Bilgisayarda Wireless LAN teknolojisi en az 802.11 AC veya 802.11 AX olacaktır.*	
1.6.	The screen size should be 14 or 14.1 inches.	*Bilgisayarda ekran boyutu 14 veya 14,1 inç olacaktır.*	
1.7.	The screen resolution should be at least HD 1920 x 1080 and IPS or WVA panel technology, with at least 250 nits brightness value.	*Ekran Çözünürlüğü en az Full HD 1920 x 1080 ve IPS veya WVA panel teknolojisine, en az 250 nits parlaklık değerine sahip olmalıdır.*	
1.8.	With FreeDos installed or without an operating system	*Bilgisayar işletim sistemsiz olacak veya Free Dos İşletim Sistemi yüklü olacaktır.*	
1.9.	Integrated camera, speaker and microphone	*Bilgisayarda dâhili kamera, hoparlör ve mikrofon olacaktır.*	
1.10.	Lithium-ion or Lithium polymer structured battery, at least 45 Wh	*Bilgisayarın pili, lityum iyon veya lityum polimer yapıda ve 45 WHr gücünde olacaktır.*	
1.11.	It must have EnergyStar certification. The Energy Star compatibility of the computers should be documented.	*Teklif edilen bilgisayarlar, uluslararası "Energy Star" sertifikasına sahip olmalıdır. Teklif edilen bilgisayarların "Energy Star" uyumluluğu belgelendirilmelidir.*	
1.12.	It must be EPEAT-Registered, its class must be at least "bronze".	*EPEAT-Registered olmalıdır, sınıfı en az "bronze" olmalıdır.*	
1.13.	The keyboard shall be in Turkish.	*Bilgisayarın klavyesi Türkçe olacaktır.*	

1.14.	Wireless Mouse with same brand and carrying case shall be provided with the computer.	*Bilgisayar ile birlikte taşıma çantası ve aynı marka kablosuz mouse teslim edilecektir.*	
	2. Laptop Computer Type 2	***Dizüstü Bilgisayar Tip 2***	
2.1.	The processor must have at least 6 MB cache, at least 1.6 GHz, able to reach at least 4.2 GHz with Turbo Boost, four physical cores and must be launched by the manufacturer in June 2019 or later.	*Bilgisayar işlemcisinin en az 6 MB önbelleğe sahip, en az 1.6 GHz, Turbo Boost ile en az 4.2 Ghz hıza çıkabilir, dört fiziksel çekirdeğe sahip ve üreticisi tarafından Haziran 2019 veya sonrasında duyurulmuş olmalıdır.*	
2.2.	RAM should be at least 8 GB DDR4 with minimum 2.133 Mhz working frequency.	*Bilgisayarda bellek en az 8 GB DDR4 olacak, bellek çalışma frekansı en az 2.133 Mhz. olacaktır.*	
2.3.	At least 256 GB SSD with M.2 interface + 1 TB SATA HDD. The computer must have at least 2 ports with USB 3.0 and/or USB 3.1 connections.	*En az 256 GB SSD M.2 arayüze sahip olmalıdır. + 1 TB SATA HDD olmalıdır. Bilgisayarda USB 3.0 ve/veya USB 3.1 girişli en az iki port olacaktır.*	
2.4.	At least 1 HDMI or Display Port support and RJ 45 connection point (internal or external).	*Bilgisayarda en az 1 HDMI veya Display port desteği ve RJ 45 bağlantı noktası (dâhili veya harici) olacaktır.*	
2.5.	At least 802.11 AC or 802.11 AX Wireless LAN technology	*Bilgisayarda Wireless LAN teknolojisi en az 802.11 AC veya 802.11 AX olacaktır.*	
2.6.	The screen size should be 15 or 15.6 inches.	*Bilgisayarda ekran boyutu 15 veya 15,6 inç olacaktır.*	
2.7.	The screen resolution should be at least HD 1920 x 1080 and IPS or WVA panel technology, with at least 250 nits brightness value.	*Ekran Çözünürlüğü en az Full HD 1920 x 1080 ve IPS veya WVA panel teknolojisine, en az 250 nits parlaklık değerine sahip olmalıdır.*	
2.8.	With FreeDos installed or without an operating system	*Bilgisayar işletim sistemsiz olacak veya Free Dos İşletim Sistemi yüklü olacaktır.*	
2.9.	Integrated camera, speaker and microphone	*Bilgisayarda dâhili kamera, hoparlör ve mikrofon olacaktır.*	
2.10.	Lithium-ion or Lithium polymer structured battery, at least 45 Wh	*Bilgisayarın pili, lityum iyon veya lityum polimer yapıda ve 45 WHr gücünde olacaktır.*	

2.11.	It must have EnergyStar certification. The Energy Star compatibility of the computers should be documented.	*Teklif edilen bilgisayarlar, uluslararası "Energy Star" sertifikasına sahip olmalıdır. Teklif edilen bilgisayarların "Energy Star" uyumluluğu belgelendirilmelidir.*
2.12.	It must be EPEAT-Registered, its class must be at least "bronze".	*EPEAT-Registered olmalıdır, sınıfı en az "bronze" olmalıdır.*
2.13.	The keyboard shall be in Turkish.	*Bilgisayarın klavyesi Türkçe olacaktır.*
2.14.	Wireless Mouse with same brand and carrying case shall be provided with the computer.	*Bilgisayar ile birlikte taşıma çantası ve aynı marka kablosuz mouse teslim edilecektir.*
	3.All in One Desktop Computer	***Tümleşik Masaüstü Bilgisayar***
3.1.	CPU Passmark value should be at least 10000. (It could be found under benchmark menu of www.passmark.com)	*Bilgisayarın CPU Passmark değeri en az 10000 olacaktır. (www.passmark.com sayfasında benchmark menüsünden bulunabilir).*
3.2.	CPU value must be at least 12 MB cache	*Bilgisayarın CPU değeri en az 12 MB ön belleğe sahip olacaktır.*
3.3.	The processor must be launched in 2019 or later.	*Bilgisayarın işlemcisinin piyasaya çıkış tarihi 2019 yılı ve sonrası olacaktır.*
3.4.	The motherboard should be same brand with the computer and bios software should be manufactured or developed by the system manufacturer.	*Teklif edilen bilgisayarın ana kartı bilgisayar ile aynı marka ve bios yazılımı sistem üreticisi tarafından üretilmiş veya geliştirilmiş olacaktır.*
3.5.	Chipset manufacturer shall be B360, Q370 or higher enterprise chipset.	*Teklif edilecek yonga seti üreticisinin masaüstü bilgisayarlar için B360, Q370 veya üzeri yonga seti olacaktır.*
3.6.	RAM should be at least 16 GB DDR4 with minimum 2.400 Mhz working frequency.	*Bilgisayarın belleği PC için; en az 16 GB DDR4 olacak, bellek çalışma frekansı en az 2.400 Mhz. olacaktır.*
3.7.	The following hardware must be provided as integrated to the computer: at least Gigabit Ethernet, Wi-fi 802.11 a/b/g/n, Bluetooth 4.0, at	*Bilgisayarda en az Gigabit Ethernet, Wi-Fi 802.11 a/b/g/n, en az Bluetooth 4.0, en az bir usb 3.0 girişi, kulaklık girişi, web cam olacak ve bu donanımlar dahili olarak*

	least 1 USB 3.0, headphone input, web cam.	*bulunacaktır.*	
3.8.	Integrated graphic card and sound card.	*Bilgisayarda tümleşik ekran kartı ve ses kartı olacaktır.*	
3.9.	At least 256 GB SSD Disk and 1 TB Sata Hard Disk	*Bilgisayarda en az 256 GB ssd disk ve 1TB Sata Disk bulunacaktır.*	
3.10.	At least 23.8 inch screen with IPS or WVA Full HD (1920x1080) resolution.	*Ekran en az 23,8 inch ve çözünürlüğü IPS veya WVA Full HD (1920 x 1080) olacaktır.*	
3.11.	With FreeDos installed or without an operating system	*Bilgisayar işletim sistemsiz olacak veya Free Dos İşletim Sistemi yüklü olacaktır.*	
3.12.	Keyboard and mouse must be same brand with the computer.	*Klavye ve fare bilgisayarla aynı marka olacaktır.*	
3.13.	It must have EnergyStar certification. The Energy Star compatibility of the computers should be documented.	*Teklif edilen bilgisayarlar, uluslararası "Energy Star" sertifikasına sahip olmalıdır. Teklif edilen bilgisayarların "Energy Star" uyumluluğu belgelendirilmelidir.*	
3.14.	It must be EPEAT-Registered, its class must be at least "bronze".	*EPEAT-Registered olmalıdır, sınıfı en az "bronze" olmalıdır.*	
3.15.	It must support uppercase and lowercase Turkish character set, and it must be explained to which standards it complies.	*Bilgisayar büyük ve küçük harf Türkçe karakter setini destekleyecek, bunu hangi standartlara uyarak sağladığı açıklanacaktır.*	
3.16.	Turkish keyboard	*Bilgisayarın klavyesi Türkçe olacaktır.*	
	4.Laser Printer (Color) Type 1	***Lazer yazıcı (Renkli) Tip 1***	
4.1.	The printing technology must be laser.	*Yazıcının baskı teknolojisi lazer olacaktır.*	
4.2.	Printing method: color	*Yazıcının yazdırma özelliği Renkli olacaktır.*	
4.3.	Print, copy, scan features	*Yazıcının; yazdırma, fotokopi, tarama özelliği olacaktır.*	
4.4.	Print, copy and scan in A4, A5, B5 sized papers	*Yazıcı; A4, A5, B5 ebatlarındaki kâğıtlara yazım, kopyalama ve tarama yapacaktır.*	
4.5.	Printing speed in black-white or color: at least 27 A4 pages/minute	*Yazıcının siyah-beyaz veya renkli baskı hızı; dakikada en az 27 adet A4 kâğıt olacaktır*	

4.6.	Print quality: min 600 x 600 dpi resolution	*Yazıcının baskı kalitesi en az 600X600 dpi çözünürlükte olacaktır.*	
4.7.	Monthly printing capacity: at least 50.000 pages	*Yazıcının aylık baskı kapasitesi en az 50.000 sayfa olacaktır.*	
4.8.	Sequencial copy limits: at least 1-999 copies	*Yazıcının art arda kopya sayısı en az 1-999 kopyaya kadar olacaktır.*	
4.9.	Scan: at least in PDF and JPG formats	*Yazıcı en az PDF ve JPG formatlarında tarama yapacaktır.*	
4.10.	ADF scanning feature	*Yazıcı ADF tarama yapacaktır.*	
4.11.	Scan resolution: min 600 x 600 dpi	*Yazıcının tarama çözünürlüğü en az 600x600 dpi olacaktır.*	
4.12.	Copy speed: at least 27 copies/minute	*Yazıcının fotokopi hızı dakikada en az 27 kopya olacaktır.*	
4.13.	Copy feature is able to zoom in/out image between 25% - 200%	*Yazıcının fotokopi özelliği, görüntüyü en az % 25 ile % 200 oranları arasında büyütme ve küçültme yapabilecektir.*	
4.14.	At least 512 MB internal memory	*Yazıcının dâhili hafıza en az 512 MB olacaktır.*	
4.15.	At least 250 pages paper tray	*Yazıcının kâğıt tepsi kapasitesi en az 250 sayfa olacaktır.*	
4.16.	The automatic document feeder must have a capacity of at least 50 papers.	*Yazıcının otomatik belge besleyicisi en az 50 kâğıt olacaktır.*	
4.17.	It must be able to connect at least through USB 2.0 and network. 3 m USB cable must be supplied with the item.	*Yazıcı en az USB 2.0 ve ağ üzerinden bağlanabilecektir. 3 metre USB kablo ürün ile birlikte teslim edilecektir.*	
4.18.	The connection interface must be at least USB 2.0 and Ethernet with speed 10/100/1000.	*Bağlantı ara birimi en az USB 2.0 ve Ethernet hızı 10/100/1000 olacaktır.*	
4.19.	Standard printer languages must be PCL5 or PCL6.	*Yazıcının standart yazıcı dilleri PCL5 veya PCL6 olacaktır.*	
4.20.	The printer shall work smoothly with Windows 8 (32/64 bit), Windows 10 (32/64 bit) and LINUX (32/64 bit), MacOS 64 bit operating systems and the drivers for these operating systems must be given in CD with the printer.	*Yazıcı Windows 8 (32/64 bit), Windows 10 (32/64 bit) ve LINUX (32/64 bit), MacOS 64 bit işletim sistemleri ile sorunsuz çalışacak ve bu işletim sistemlerine ait sürücüler, yazıcı yanında cd ortamında verilecektir.*	

	5.Laser Printer (Color) Type 2	Lazer yazıcı (Renkli) Tip 2	
5.1.	The printing technology must be laser.	Yazıcının baskı teknolojisi lazer olacaktır.	
5.2.	Printing method: color	Yazıcının yazdırma özelliği Renkli olacaktır.	
5.3.	Print, copy, scan features	Yazıcının; yazdırma, fotokopi, tarama özelliği olacaktır.	
5.4.	Print, copy and scan in A3, A4, A5, B5 sized papers	Yazıcı; A3,A4, A5, B5 ebatlarındaki kâğıtlara yazım, kopyalama ve tarama yapacaktır.	
5.5.	Printing speed in black-white or color: at least 25 A4 pages/minute	Yazıcının siyah-beyaz veya renkli baskı hızı; dakikada en az 25 adet A4 kâğıt olacaktır	
5.6.	Print quality: min 600 x 600 dpi resolution	Yazıcının baskı kalitesi en az 600X600 dpi çözünürlükte olacaktır.	
5.7.	Monthly printing capacity: at least 10.000-75.000 pages	Yazıcının aylık baskı kapasitesi en az 10.000- 75.000 sayfa olacaktır.	
5.8.	Sequential copy limits: at least 1-99 copies	Yazıcının art arda kopya sayısı en az 1- 99 kopyaya kadar olacaktır.	
5.9.	Scan: at least in PDF and JPG formats	Yazıcı en az PDF ve JPG formatlarında tarama yapacaktır.	
5.10.	ADF scanning feature	Yazıcı ADF tarama yapacaktır.	
5.11.	Scan resolution: min 600 x 600 dpi	Yazıcının tarama çözünürlüğü en az 600x600 dpi olacaktır.	
5.12.	Copy speed: at least 25 copies/minute	Yazıcının fotokopi hızı dakikada en az 25 kopya olacaktır.	
5.13.	Copy feature is able to zoom in/out image between 25% - 200%	Yazıcının fotokopi özelliği, görüntüyü en az % 25 ile % 200 oranları arasında büyütme ve küçültme yapabilecektir.	
5.14.	At least 512 MB internal memory	Yazıcının dâhili hafıza en az 512 MB olacaktır.	
5.15.	At least 250 pages paper tray	Yazıcının kâğıt tepsi kapasitesi en az 250 sayfa olacaktır.	
5.16.	The automatic document feeder must have a capacity of at least 50 papers.	Yazıcının otomatik belge besleyicisi en az 50 kâğıt olacaktır.	
5.17.	It must be able to connect at	Yazıcı en az USB 2.0 ve ağ	

	least through USB 2.0 and network. 3 m USB cable must be supplied with the item.	*üzerinden bağlanabilecektir. 3 metre USB kablo ürün ile birlikte teslim edilecektir.*	
5.18.	The connection interface must be at least USB 2.0 and Ethernet with speed 10/100/1000.	*Bağlantı ara birimi en az USB 2.0 ve Ethernet hızı 10/100/1000 olacaktır.*	
5.19.	Standard printer languages must be PCL5 or PCL6.	*Yazıcının standart yazıcı dilleri PCL5 veya PCL6 olacaktır.*	
5.20.	The printer shall work smoothly with Windows 8 (32/64 bit), Windows 10 (32/64 bit) and LINUX (32/64 bit), MacOS 64 bit operating systems and the drivers for these operating systems must be given in CD with the printer.	*Yazıcı Windows 8 (32/64 bit), Windows 10 (32/64 bit) ve LINUX (32/64 bit), MacOS 64 bit işletim sistemleri ile sorunsuz çalışacak ve bu işletim sistemlerine ait sürücüler, yazıcı yanında cd ortamında verilecektir.*	
	6.Laser Printer (Black&White)	***Lazer yazıcı (Siyah-Beyaz)***	
6.1.	The printing technology must be laser.	*Yazıcının baskı teknolojisi lazer olacaktır.*	
6.2.	Printing method: black-white	*Yazıcının yazdırma özelliği siyah-beyaz olacaktır.*	
6.3.	Print, copy, scan features	*Yazıcının; yazdırma, fotokopi, tarama özelliği olacaktır.*	
6.4.	Print, copy and scan in A4, A5, B5 sized papers	*Yazıcı; A4, A5, B5 ebatlarındaki kâğıtlara yazım, kopyalama ve tarama yapacaktır.*	
6.5.	Printing speed in black-white or color: at least 35 A4 pages/minute	*Yazıcının siyah-beyaz veya baskı hızı; dakikada en az 35 adet A4 kâğıt olacaktır*	
6.6.	Print quality: min 600 x 600 dpi resolution	*Yazıcının baskı kalitesi en az 600X600 dpi çözünürlükte olacaktır.*	
6.7.	Monthly printing capacity: at least 50.000 pages	*Yazıcının aylık baskı kapasitesi en az 50.000 sayfa olacaktır.*	
6.8.	Sequential copy limits: at least 1-99 copies	*Yazıcının art arda kopya sayısı en az 1-99 kopyaya kadar olacaktır.*	
6.9.	Scan: at least in PDF and JPG formats	*Yazıcı en az PDF ve JPG formatlarında tarama yapacaktır.*	
6.10.	ADF scanning feature	*Yazıcı ADF tarama yapacaktır.*	
6.11.	Scan resolution: min 600 x 600 dpi	*Yazıcının tarama çözünürlüğü en az 600X600 dpi olacaktır.*	

6.12.	Copy speed: at least 35 copies/minute	*Yazıcının fotokopi hızı dakikada en az 35 kopya olacaktır.*	
6.13.	Copy feature is able to zoom in/out image between 25% - 200%	*Yazıcının fotokopi özelliği, görüntüyü % 25 ile % 200 oranları arasında büyütme ve küçültme yapabilecektir.*	
6.14.	At least 512 MB internal memory	*Yazıcının dâhili hafıza en az 512 MB olacaktır.*	
6.15.	At least 250 pages paper tray	*Yazıcının kâğıt tepsi kapasitesi en az 250 sayfa olacaktır.*	
6.16.	The automatic document feeder must have a capacity of at least 50 papers.	*Yazıcının otomatik belge besleyicisi en az 50 kâğıt olacaktır.*	
6.17.	It must be able to connect at least through USB 2.0 and network. 3 m USB cable must be supplied with the item.	*Yazıcı en az USB 2.0 ve ağ üzerinden bağlanabilecektir. 3 metre USB kablo ürün ile birlikte teslim edilecektir.*	
6.18.	The connection interface must be at least USB 2.0 and Ethernet with speed 10/100/1000.	*Bağlantı ara birimi en az USB 2.0 ve Ethernet hızı 10/100/1000 olacaktır.*	
6.19.	Standard printer languages must be PCL5 or PCL6.	*Yazıcının standart yazıcı dilleri PCL5 veya PCL6 olacaktır.*	
6.20.	The printer shall work smoothly with Windows 8 (32/64 bit), Windows 10 (32/64 bit) and LINUX (32/64 bit), MacOS 64 bit operating systems and the drivers for these operating systems must be given in CD with the printer.	*Yazıcı Windows 8 (32/64 bit), Windows 10 (32/64 bit) ve LINUX (32/64 bit), MacOS 64 bit işletim sistemleri ile sorunsuz çalışacak ve bu işletim sistemlerine ait sürücüler, yazıcı yanında cd ortamında verilecektir.*	
	7. Dot Matrix Printer	***Nokta vuruşlu (dot matrix) yazıcı***	
7.1.	Printing width: min 80 columns	*Yazıcı en az 80 kolon genişliğinde baskı yapacaktır.*	
7.2.	Printing speed: At least 415 cps in 10 cpi draft mode or fast draft mode	*Yazıcı 10 cpi taslak modda veya fast draft modda en az 415 cps hızında yazacaktır.*	
7.3.	Number of head needles: min 18	*Yazıcının kafa iğne sayısı en az 18 olacak ve yazıcı kafası garantiye dâhil olacaktır.*	
7.4.	The printer must have a parallel port, a USB 2.0 port.	*Yazıcı paralel port, USB 2.0 portuna sahip olacaktır.*	
7.5.	Buffer: min 128 KB and shall support at least 240x144 dpi resolution.	*En az 128 KB ara belleğe (buffer) sahip olacak ve en az 240 X 144 dpi çözünürlüğü*	

		destekleyecektir.	
7.6.	Noise level: max. 57 dBA	*Yazıcının gürültü seviyesi en fazla 57 dBA olacaktır.*	
7.7.	The printer must support at least four fonts.	*Yazıcı en az dört yazı fontunu destekleyecektir.*	
7.8.	The lifetime of the tape should be at least 4.000.000 characters (Four million or higher).	*Yazıcıda kullanılan şerit ömrü en az 4.000.000 (dört milyon veya üzeri) karakter olacaktır.*	
7.9.	The lifetime of the printer head should be at least 300.000.000 characters (Three hundred million or higher).	*Yazıcı kafa ömrü en az 300.000.000 (üç yüz milyon) veya üzeri karakter olacaktır.*	
7.10.	Drivers for Windows should be presented and it will be able to print in Turkish in the related operating systems.	*Windows sürücüleri bulunacak ve ilgili işletim sistemi uygulamalarında Türkçe yazacaktır.*	
7.11.	Paper size: A4, continuous form, intermittent form (must print min 1 original 5 copies).	*Yazıcıda A4, sürekli form ve kesik form kullanılabilecek, en az 1 asıl 5 nüsha kopya baskı yapabilecektir.*	
7.12.	A number of spare original tape must be provided with the item, that can print 20,000,000 (twenty million) characters of print, other than the original printer tape.	*Cihazlarla beraber orijinal yazıcı şeridi dışında 20.000.000 (yirmi milyon) karakter baskı yapacak sayıda yedek orijinal şerit verilecektir.*	
7.13.	Drivers, connection cables and booklets shall be given.	*Yazıcı ile sürücü driverleri, bağlantı kabloları ve kitapçıkları verilecektir.*	
7.14.	There shall be a straight paper path and a standard push tractor.	*Yazıcıda düz kâğıt yolu ve standart itmeli traktör bulunacaktır.*	
7.15.	The printer shall work smoothly with Windows 8 (32/64 bit) and Windows 10 (32/64 bit) operating systems and the drivers for these operating systems must be given in a CD with the printer.	*Yazıcı Windows 8 (32/64 bit) ve Windows 10 (32/64 bit) işletim sistemleri ile sorunsuz çalışacak ve bu işletim sistemlerine ait sürücüler, yazıcı yanında cd ortamında verilecektir.*	
	8.Video Camera	*Video Kamera*	
8.1.	Number of effective pixels: min 14.2M pixel (16:9)	*Efektif piksel sayısı: min 14.2M pixel (16:9)*	
8.2.	Lens: fixed lens capable of 12x optical zoom	*Lens: 12x optik zoom özelliğinde sabit lens*	
8.3.	24x image zoom technology	*24x görüntü yaklaştırma teknolojisi*	

8.4.	Camera recording format: XAVC S (4K and HD): MPEG4-AVC/H264 4: 2:0 long profile, AVCHD: MPEG-4 AVC/H.264 AVCHD 2.0 medium format compatible and DV formats must be supported.	*Kamera kayıt formatı: XAVC S (4K ve HD): MPEG4-AVC/H264 4:2:0 uzun profil, AVCHD: MPEG-4 AVC/H.264 AVCHD 2.0 orta format uyumlu ve DV formatlarını desteklemelidir.*
8.5.	Recording rate: 3840x2160 25p, 100Mbps/60Mbps in 4K format	*Kayıt hızı: 4K formatta 3840x2160 25p, 100Mbps/60Mbps*
8.6.	Card format: It must be able to record on MSPro Duo, SDXC, SDHC cards and there must be 2 card slots suitable for these cards.	*Kart formatı: MSPro Duo, SDXC,SDHC kartlara kayıt yapabilmeli ve bu kartlara uygun 2 adet kart girişi bulunmalıdır.*
8.7.	The camera must have a built-in ND filter at a rate of 1/4ND, 1/16ND, 1/64ND.	*Kamera 1/4ND, 1/16ND, 1/64ND oranında dahili ND filtreye sahip olmalıdır.*
8.8.	Indoor and outdoor color temperature adjustment must be able to be made with the camera.	*Kamera ile iç mekan ve dış mekan renk sıcaklığı ayarı yapılabilmelidir.*
8.9.	The camera must have HDMI, Composite Video (BNC Type) video output, RCA audio output, Lanc Control input for lens remote.	*Kamera HDMI, Composite Video (BNC Tip) video çıkışı, RCA ses çıkışı, lens remote için Lanc Control girişi barındırmalıdır.*
8.10.	The camera must have 2 pcs of 3-pin XLR audio inputs.	*Kamera da 2 Adet 3 pinli XLR ses girişi bulunmalıdır.*
8.11.	The camera must have a 3"LCD screen.	*Kamera min 3" LCD ekrana sahip olmalıdır.*
8.12.	The device box must contain a charger, battery, adapter, connection cables, user manual and warranty certificate.	*Cihaz kutusunda; şarj cihazı, batarya, Adaptör, bağlantı kabloları, kullanım kılavuzu ve garanti belgesi bulunmalıdır.*
8.13.	There must be 2 (two) min. 64 GB 1000x memory cards that is compatible with the device.	*Cihaza uyum sağlayan 2 (iki) adet en az 64 GB 1000x hafıza kartı olmalıdır.*
8.14.	There must be an extra spare battery (battery) for the device.	*Cihaza ait fazladan bir adet yedek pil (batarya) olmalıdır.*
8.15.	Along with the device, there must be a waterproof carrying case that is compatible with the device and a Tripod compatible with the Camera.	*Cihazla birlikte yanında; Cihaza Uyum Sağlayan Su geçirmez özellikte taşıma çantası ve Kamera ile uyumlu Tripod olmalıdır.*

	9.Digital Camera	Dijital Fotoğraf Makinesi	
9.1.	Product type: DSLR	*Ürün tipi: DSLR*	
9.2.	Image sensor: at least 18 megapixel CMOS (Aps-c)	*Görüntü sensörü: en az 18 megapixel CMOS (Aps-c)*	
9.3.	Image processor type: DIGIC 4	*Görüntü işlemcisi tipi: DIGIC 4*	
9.4.	It must have an 18-55 mm lens.	*18-55 mm lensi olamlıdır.*	
9.5.	Storage Type: SD card, SDHC card or SDXC card	*Depolama Tip: SD kart, SDHC kart veya SDXC kart*	
9.6.	Storage card with at least 128 GB capacity, compatible with the camera, must be provided with the camera.	*En az 128 GB kapasiteli, kameraya uyumlu depolama kartı kamera ile birlikte verilmelidir.*	
9.7.	It must have at least 3 '' LCD screen.	*En az 3'' LCD ekranı olmalıdır.*	
9.8.	Rechargeable battery, battery charger and extra spare battery must be supplied with the product. Batteries must be original product.	*Şarj edilebilir pil, pil şarj cihazı ve ekstra yedek pil ürünle verilmelidir. Piller orijinal ürün olmalıdır.*	
9.9.	The specified accessories must be supplied with the camera: hand strap and muster bag compatible with the model offered,	*Belirtilen aksesuarlar kamera ile birlikte verilmelidir: teklif edilen modele uyumlu omuz çantası, el askısı*	
9.10.	1 HDMI cable and 1 display port connection cable must be provided with the product.	*1 adet HDMI kablosu ve 1 adet display port bağlantı kablosu ürünle birlikte verilmelidir.*	
	10.Power Bank	Taşınabilir Şarj Cihazı	
10.1.	Battery type: Li-Polymer	*Pil türü: Li-Polimer*	
10.2.	Battery Capacity: min 10000 mAh,	*Pil Kapasitesi: min 10000 mAh,*	
10.3.	Power Input: DC5V / 2A	*Güç Girişi: DC5V / 2A*	
10.4.	2 USB Ports	*2 adet USB Port*	
10.5.	USB outputs must be at least 2A	*USB çıkışlar en az 2A olmalıdır*	
10.6.	It must be compatible with all mobile phones, smart phones, Apple products (iPod, iPad, iPhone) all tablet PCs that can be charged via USB. It must be able to easily connect and charge the devices and the	*USB'den şarj olabilen tüm cep telefonları, akıllı telefonlar, Apple ürünleri (iPod, iPad, iPhone) tüm tablet PC'ler, ile uyumlu olmalıdır. Rahatlıkla aygıtları bağlayıp şarj edebilmeli ve gerekli kablolar*	

	necessary cables and converters must be included in the package.	*ve dönüştürücülere paket içerisinde yer almalıdır.*	
10.7.	It must be ISO 9001: 2008 and CE Certified.	*ISO 9001:2008 ve CE Sertifikalı olmalıdır.*	
10.8.	There must be a LED display showing the battery status on it.	*Üzerinde pil durumunu gösteren LED ekran bulunmalıdır.*	
	11.Hand Held GPS	*El Tipi GPS*	
11.1.	It must be waterproof and IPX7 coded.	*Su geçirmez özellikte ve IPX7 kodlu olmalıdır.*	
11.2.	It must have electronic compass.	*Elektronik pusulası olmalıdır.*	
11.3.	It must have a basic map and be able to add maps to the device.	*Temel haritası olmalı ve cihaza harita eklenebilmelidir.*	
11.4.	Sun, moon details must be available.	*Güneş, ay bilgisi bulunmalıdır.*	
11.5.	It must have barometric altimeter and must be able to calculate area.	*Barometrik altimetresi olmalı, alan hesaplaması yapabilmelidir.*	
11.6.	Screen size must be at least 3".	*Ekran boyutu en az 3" olmalıdır.*	
11.7.	The screen must be TFT-compatible and touchscreen.	*Ekranı TFT özellikli ve dokunmatik olmalıdır.*	
11.8.	The display resolution shall be at least 240x400 pixels.	*Ekran çözünürlüğü en az 240x400 piksel olmalıdır.*	
11.9.	It must have an internal memory and an internal camera.	*Dâhili hafızası ve dahili kamerası bulunmalıdır.*	
11.10.	It must have unit-to-unit transfer feature.	*Birimden birime transfer özelliği bulunmalıdır.*	
11.11.	It must have at least 815 MB of internal capacity and the memory must be expandable. The device must support Micro SD memory cards.	*Dâhili en az 815 MB kapasitesi bulunmalı ve hafıza arttırılabilir özellikte olmalıdır. Cihaz Micro SD özellikli hafıza kartlarını desteklemelidir.*	
11.12.	The device must be rechargeable. Battery life must be at least 16 hours. Battery technology must be Ni-MH.	*Cihaz şarj edilebilir özellikte olmalıdır. Pil ömrü en az 16 saat olmalıdır. Pil teknolojisi Nİ-MH özellikte olmalıdır.*	
	12.Laser Meter	*Lazer Metre*	
12.1.	The laser measurement distance must be suitable for	*Lazer ölçüm mesafesi dış mekan için uyumlu ve en az*	

	outdoors and the minimum measurement range must be 0.05-100 m.	*ölçüm aralığı 0,05-100 m olmalıdır.*	
12.2.	The measuring system must be metric.	*Ölçüm sistemi metrik olmalıdır.*	
12.3.	Dust and spray water protection must be IP 54.	*Toz ve püskürme suyu koruması IP 54 olmalıdır.*	
12.4.	It must have length, area and volume measurement function.	*Uzunluk, alan ve hacim ölçüm fonksiyonu olmalıdır*	
12.5.	Laser meter and all accessories must have CE certificate.	*Lazermetre ve tüm aksesuarlarının CE belgesi olmalıdır.*	
12.6.	Protection bag, carrying bag, 4 batteries must be delivered as a complete set.	*Koruma çantası, taşıma çantası, 4 adet pili komple takım olarak teslim edilmelidir.*	
	13.Projector and Projection Screen	***Projektör ve Projeksiyon Perdesi***	
13.1.	Light power: At least 2300 ANSI lumen	*Projeksiyon cihazının ışık gücü; en az 3200 ANSI lümen olacaktır.*	
13.2.	Real resolution: At least 1024x768 (XGA) and able to compact up to 1080P; (1920X1080) 60 Hz highest resolution	*Projeksiyon cihazının gerçek çözünürlüğü; en az 1024x768 (XGA) olacak ve cihaz 1080P; (1920X1080) 60 Hz en yüksek çözünürlüğe kadar sıkıştırma yapacaktır.*	
13.3.	Projection technology: DLP, LCD or LED	*Projeksiyon cihazının gösterim teknolojisi DLP, LCD veya LED olacaktır.*	
13.4.	Lamp lifetime: At least 4,000 hours and contrast ratio: at least 15,000:1	*Projeksiyon cihazının lamba ömrü; en az 4.000 saat ve kontrast oranı en az 15.000:1 olacaktır.*	
13.5.	At least 1 HDMI computer input, 1 USB input, sound input and output	*Projeksiyon cihazında en az; 1 adet HDMI bilgisayar girişi, bir adet USB girişi olacak, ses girişi ve çıkışını destekleyecektir.*	
13.6.	Video signalling system should be compatible with with PAL and video compatibility must be in line with NTNSC, PAC, SECAM.	*Projeksiyon cihazının video sinyal sistemi PAL uyumlu ve video uyumluluğu NTSC, PAL, SECAM olacaktır.*	
13.7.	It must have sound input and at least 2 W power integrated speaker	*Projeksiyon cihazının ses girişi ve en az 2 W gücünde dâhili hoparlörü olacaktır.*	

13.8.	It must have zoom and focus features. It must be able to make keystone correction.	*Projeksiyon cihazında yakınlaştırma (zoom) ve netlik ayarı (focus) olacaktır. Otomatik keystone düzeltme yapabilecektir.*	
13.9.	It must have a remote controller.	*Projeksiyon cihazının uzaktan kumandası olacaktır.*	
13.10.	Ceiling hanger apparatus and 20 meters HDMI extension cable should be provided.	*Projeksiyon cihazının tavan askı aparatı ve 20 metre HDMI uzatma kablosu olacaktır.*	
13.11.	The projector should be original brand of the manufacturing company; it should not be a sub-production, copy, OEM and manucfactured by another projection company.	*Projeksiyon cihazı üretici firmanın orijinal markası olacak; fason, kopya, OEM ve başka bir projeksiyon firması tarafından üretilmiş olmayacaktır.*	
13.12.	The printer shall work smoothly with Windows 8 (32/64 bit), Windows 10 (32/64 bit) and MacOS 64 bit operating systems and the drivers for these operating systems must be given in CD with the item.	*Projeksiyon cihazı Windows 8 (32/64 bit), Windows 10 (32/64 bit) ve MacOS 64 bit işletim sistemleri ile sorunsuz çalışacak ve bu işletim sistemlerine ait sürücüler, yazıcı yanında cd ortamında verilecektir.*	
13.13.	The projector should be delivered assembled and all connections made, in working condition, no additional fee should be requested for assembling and connections.	*Projeksiyon cihazı, montajlı ve tüm bağlantılar kurularak, çalışır şekilde, teslim edilecek, montaj ve bağlantılar için ek bir ücret talep edilmeyecektir.*	
13.14.	At least 150 * 150 cm projection screen with front projection feature and tripod foot must be provided with the item.	*Cihaz ile birlikte en az 150*150 cm ölçülerinde önden yansıtma özellikli, tripod ayaklı projeksiyon perdesi verilmelidir.*	

Product catalogue/brochure of the proposed brand/model showing detailed technical specifications of the goods should be submitted.

Other Related services and requirements *(based on the information provided in Section 5b)*	**Compliance with requirements**		**Details or comments on the related requirements**
	Yes, we comply	**No, we cannot comply** *(indicate discrepancies)*	
Delivery of Each Item to Provinces within 42 days following the signature of the contract			
Warranty (2 years) for each line item			

FORM F: Price Schedule Form

Name of Bidder:	[Insert Name of Bidder]	Date:	Select date
ITB reference:	[Insert ITB Reference Number]		

The Bidder is required to prepare the Price Schedule following the below format.

The price shall not include value added tax (VAT) since UN and its subsidiary organs are exempt from all taxes except the special consumption tax.

Currency of the Bid: New Turkish Liras (TRY)

Price Schedule

Description of Goods // *Malın Tanımı*	Proposed Make/Model // *Teklif edilen marka model*	Quantity // *Miktar*	Unit Price // *Birim Fiyat* (TRY)	Total Price per Item // *Mal başına toplam fiyat* (TRY)
Laptop Computer Type 1 // *Dizüstü Bilgisayar Tip 1*		**66 pieces** // *66 adet*		
Laptop Computer Type 2 // *Dizüstü Bilgisayar Tip 2*		**46 pieces** // *46 adet*		
All in One Desktop Computer // *Tümleşik Masaüstü Bilgisayar*		**7 pieces** // *7 adet*		
Laser Printer (Color) Type 1 // *Lazer yazıcı (Renkli) Tip 1*		**13 pieces** // *13 adet*		
Laser Printer (Color) Type 2 // *Lazer yazıcı (Renkli) Tip 2*		**4 pieces** // *4 adet*		
Laser Printer (Black&White) // *Lazer yazıcı (Siyah-Beyaz)*		**41 pieces** // *41 adet*		
Dot Matrix Printer // *Nokta vuruşlu (dot matrix) yazıcı*		**2 pieces** // *2 adet*		
Video Camera // *Video Kamera*		**1 piece** // *1 adet*		
Digital Camera // *Fotoğraf Makinesi*		**5 pieces** // *5 adet*		

Power Bank // *Taşınabilir Şarj Cihazı*		**120 pieces //** *120 adet*		
Hand-held GPS // *El Tipi GPS*		**14 pieces //** *14 adet*		
Laser Meter // *Lazer Metre*		**19 pieces //** *19 adet*		
Projector and Projection Screen // *Projektör ve Projeksiyon Perdesi*		**8 pieces //** *8 adet*		
Total Final and All-Inclusive Price Quotation (TRY) *Toplam kesin ve her şey dahil fiyat teklifi*				

Name of Bidder: _____

Authorised signature: _____

Name of authorised signatory: _____

Functional Title: _____

FORM G: Form of Bid Security

To: UNDP
        [Insert contact information as provided in Data Sheet]

WHEREAS [Name and address of Bidder] (hereinafter called "the Bidder") has submitted a Bid to UNDP dated Click here to enter a date. to execute goods and/or services [Insert Title of Goods and/or Services] (hereinafter called "the Bid"):

AND WHEREAS it has been stipulated by you that the Bidder shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security if the Bidder:

a) Fails to sign the Contract after UNDP has awarded it;
b) Withdraws its Bid after the date of the opening of the Bids;
c) Fails to comply with UNDP's variation of requirement, as per ITB instructions; or
d) Fails to furnish Performance Security, insurances, or other documents that UNDP may require as a condition to rendering the contract effective.

AND WHEREAS we have agreed to give the Bidder such Bank Guarantee:

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Bidder, up to a total of [*amount of guarantee*] [*in words and numbers*], such sum being payable in the types and proportions of currencies in which the Price Bid is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of [*amount of guarantee as aforesaid*] without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

This guarantee shall be valid up to 30 days after the final date of validity of bids.

SIGNATURE AND SEAL OF THE GUARANTOR BANK

Signature: _____

Name: _____

Title: _____

Date: _____

Name of Bank _____

Address _____

[Stamp with official stamp of the Bank]

[insert: address and email address]