

## **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

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### 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 Ministry 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

- Form A: Bid Submission Form
- o Form B: Bidder Information Form
- 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
- 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 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

G	GENERAL PROVISIONS			
1.	1. Introduction		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 <a href="https://popp.undp.org/SitePages/POPPBSUnit.aspx?TermID=254a9f96-b883-476a-8ef8-e81f93a2b38d">https://popp.undp.org/SitePages/POPPBSUnit.aspx?TermID=254a9f96-b883-476a-8ef8-e81f93a2b38d</a>	
		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 ( <a href="www.ungm.org">www.ungm.org</a> ). 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 <a href="http://www.undp.org/content/undp/en/home/operations/accountability/audit/office of audit andinvestigation.html#anti">http://www.undp.org/content/undp/en/home/operations/accountability/audit/office of audit andinvestigation.html#anti</a>	
		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 <a href="https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct">https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct</a>	
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.

It is the Bidder's responsibility to ensure that its employe

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 details are provided in the BDS:		The Bid shall comprise of the following documents and related forms which details are provided in the BDS:		
			<ul> <li>a) Documents Establishing the Eligibility and Qualifications of the Bidder;</li> <li>b) Technical Bid;</li> <li>c) Price Schedule;</li> <li>d) Bid Security, if required by BDS;</li> <li>e) Any attachments and/or appendices to the Bid.</li> </ul>	
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

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		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	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	<ul> <li>Bids submitted by two (2) or more Bidders shall all be rejected if they are found to have any of the following:</li> <li>a) they have at least one controlling partner, director or shareholder in common; or</li> <li>b) any one of them receive or have received any direct or indirect subsidy from the other/s; or</li> <li>c) they have the same legal representative for purposes of this ITB; or</li> <li>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;</li> <li>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.</li> </ul>	
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	ANE	O 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.
		<ul> <li>(b) The Technical Bid and Price Schedule must be sealed and submitted together in an envelope, which_shall: <ol> <li>Bear the name of the Bidder;</li> <li>Be addressed to UNDP as specified in the BDS; and</li> <li>Bear a warning not to open before the time and date for Bid opening as specified in the BDS.</li> </ol> </li> </ul>
		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:
3001113310113		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: <a href="http://www.undp.org/content/undp/en/home/operations/procurement/business/procurement-notices/resources/">http://www.undp.org/content/undp/en/home/operations/procurement/business/procurement-notices/resources/</a>
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	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.
Modification of Bids	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 25.2	UNDP will open the Bid in the presence of an ad-hoc committee formed by UNDP of at least two (2) members.  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	I 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	<ul> <li>Evaluation of Bids shall be undertaken in the following steps:</li> <li>a) Preliminary Examination including Eligibility</li> <li>b) Arithmetical check and ranking of bidders who passed preliminary examination by price.</li> <li>c) Qualification assessment (if pre-qualification was not done)</li> </ul>

	<ul><li>a) Evaluation of Technical Bids</li><li>b) Evaluation of prices</li></ul>		
	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 (Evaluation Criteria).		
	<ul> <li>29.2 In general terms, vendors that meet the following criteria may be considered qualified: <ul> <li>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;</li> <li>b) They have a good financial standing and have access to adequate financial resources to perform the contract and all existing commercial commitments,</li> <li>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;</li> <li>d) They are able to comply fully with the UNDP General Terms and Conditions of Contract;</li> <li>e) They do not have a consistent history of court/arbitral award decisions against the Bidder; and</li> <li>f) They have a record of timely and satisfactory performance with their clients.</li> </ul> </li> </ul>		
30. Evaluation of Technical Bid and prices	O.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:		
	<ul> <li>a) Verification of accuracy, correctness and authenticity of information provided by the Bidder;</li> <li>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;</li> <li>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;</li> </ul>		

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; 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 33.1 UNDP's determination of a Bid's responsiveness will be based on the contents Bid 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, 34.1 Provided that a Bid is substantially responsive, UNDP may waive any non-**Reparable Errors** conformities or omissions in the Bid that, in the opinion of UNDP, do not constitute a material deviation. and Omissions 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: 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 (	CON	ITRACT	
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	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 <a href="http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html">http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html</a>	
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	

	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 <a business="" content="" en="" home="" href="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&amp;action=default&lt;/a&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;43. Liquidated Damages&lt;/th&gt;&lt;th&gt;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.&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;44. Payment Provisions&lt;/th&gt;&lt;th&gt;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.&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;45. Vendor Protest&lt;/th&gt;&lt;th&gt;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:  &lt;a href=" http:="" procurement="" protest-and-sanctions.html"="" undp="" www.undp.org="">http://www.undp.org/content/undp/en/home/procurement/business/protest-and-sanctions.html</a>
46. Other Provisions	<ul> <li>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.</li> <li>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.</li> <li>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 </li></ul>

### 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: : <a href="mailto:tr.procurement@undp.org">tr.procurement@undp.org</a>
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 <a href="https://etendering.partneragencies.org">https://etendering.partneragencies.org</a> 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	<ul> <li>Format: PDF files only</li> <li>File names must be maximum 60 characters long and must not contain any letter or special/Turkish character other than from Latin alphabet/keyboard.</li> <li>All files must be free of viruses and not corrupted.</li> <li>Max. File Size per transmission: 45 MB</li> </ul>
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 <sup>1</sup>	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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<sup>&</sup>lt;sup>1</sup> 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:

 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

### Tüm ürünler için geçerli genel şartlar:

 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  $\pm$  20 V, 50 Hz  $\pm$  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

1. Laptop Computer Type 1 // Dizüstü

Bilgisayar Tip 1

### Quantity // Miktar

66 pieces // 66 adet

### **Technical Specifications**

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.

RAM should be at least 8 GB DDR4 with minimum 2.133 Mhz working frequency.

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.

Bilgisayarda bellek en az 8 GB DDR4 olacak, bellek çalışma frekansı en az 2.133 Mhz. olacaktır.

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2.3.	At least 256 GB SSD with M.2 interface	+ 1 TB	En az 256 GB SSD M.2 arayüze sahip
	SATA HDD. The computer must have at	least 2	olmalıdır. + 1 TB SATA HDD olmalıdır.
	ports with USB 3.0 and/or USB 3.1		Bilgisayarda USB 3.0 ve/veya USB 3.1 girişli en
	connections.		az iki port olacaktır.
2.4	COMICCUONS.		Dilaisan anda an an 1 1 DAN Disalam at
2.4.	At least 1 HDMI or Display Port support	and RJ	Bilgisayarda en az 1 HDMI veya Display port
	45 connection point (internal or externa		desteği ve RJ 45 bağlantı noktası (dâhili veya
	· · ·	-	harici) olacaktır.
2.5.	At least 802.11 AC or 802.11 AX Wirele	ss LAN	Bilgisayarda Wireless LAN teknolojisi en az
	technology		802.11 AC veya 802.11 AX olacaktır.
2.6.	The screen size should be 15 or 15.6 inc	hes	Bilgisayarda ekran boyutu 15 veya 15,6 inç
	The screen size should be 15 of 15.0 mc	1163.	olacaktır.
2.7.	The screen resolution should be at lea	ast HD	Ekran Çözünürlüğü en az Full HD 1920 x 1080
	1920 x 1080 and IPS or WVA	panel	ve IPS veya WVA panel teknolojisine, en az
	technology, with at least 250 nits brig	htness	250 nits parlaklık değerine sahip olmalıdır.
	value.		· · · · · · · · · · · · · · · · · · ·
2.8.	With FreeDos installed or withou	ut an	Bilgisayar işletim sistemsiz olacak veya Free
	operating system	- "	Dos İşletim Sistemi yüklü olacaktır.
2.0	operating system		<u> </u>
2.9.	Integrated camera, speaker and micropl	hone	Bilgisayarda dâhili kamera, hoparlör ve
			mikrofon olacaktır.
2.10.	Lithium-ion or Lithium polymer stru	ctured	Bilgisayarın pili, lityum iyon veya lityum
	battery, at least 45 Wh		polimer yapıda ve 45 WHr gücünde olacaktır.
2.11.	It must have EnergyStar certification		Teklif edilen bilgisayarlar, uluslararası "Energy
	Energy Star compatibility of the com	puters	Star" sertifikasına sahip olmalıdır. Teklif edilen
	should be documented.		bilgisayarların "Energy Star" uyumluluğu
			belgelendirilmelidir.
2.12.	It must be EPEAT-Registered, its class m	nust be	EPEAT-Registered olmalıdır, sınıfı en az
	at least "bronze".		"bronze" olmalıdır.
2.13.	The keyboard shall be in Turkish.		Bilgisayarın klavyesi Türkçe olacaktır.
2.14.	Wireless Mouse with same brand and ca	arrving	Bilgisayar ile birlikte taşıma çantası ve aynı
	case shall be provided with the computer		marka kablosuz mouse teslim edilecektir.
	<u> </u>	-1.	marka kabiosaz moase tesiim ediletektii.
Item	to be supplied description// Tedarik		Quantity // Miktar
	edilecek ürün tanımı		Qualitity // Wintui
	3. All in One Desktop Computer //		
	Tümleşik Masaüstü Bilgisayar		7 pieces // 7 adet
Techni	cal Specifications		
3.1.	CPU Passmark value should be at least:	10000	Bilgisayarın CPU Passmark değeri en az 10000
	(It could be found under benchmark m		olacaktır. (www.passmark.com sayfasında
	www.passmark.com)	ciiu Oi	benchmark menüsünden bulunabilir).
2.2	www.passinark.comj		
3.2.	CPU value must be at least 12 MB cache	<b>:</b>	Bilgisayarın CPU değeri en az 12 MB ön
2.2		046	belleğe sahip olacaktır.
3.3.	The processor must be launched in 20	U19 or	Bilgisayarın işlemcisinin piyasaya çıkış tarihi
	later.		2019 yılı ve sonrası olacaktır.
3.4.	The motherboard should be same bran		Teklif edilen bilgisayarın ana kartı bilgisayar
	the computer and bios software show	uld be	ile aynı marka ve bios yazılımı sistem üreticisi

manufacturer.  Chipset manufacturer shall be B360, Q370 or higher enterprise chipset.  3.6. Chipset manufacturer shall be B360, Q370 or higher enterprise chipset.  3.6. RAM should be at least 16 GB DDR4 with minimum 2.400 Mhz working frequency.  The following hardware must be provided as integrated to the computer: at least Gigabit Ethernet, Wi-Fi B02.11 a/b/g/n, Bluetooth 4.0, at least 1 USB 3.0, headphone input, web cam.  3.8. Integrated graphic card and sound card.  3.9. At least 256 GB SSD Disk and 1 TB Sata Hard Disk bulunacaktir.  3.10. At least 23.8 inch screen with IPS or WVA Full HD (1920x1080) resolution.  3.11. With FreeDos installed or without an operating system with the computer.  3.12. Keyboard and mouse must be same brand with the computer.  3.13. It must have EnergyStar certification. The Energy Star compatibility of the computers should be documented.  3.14. It must be EPEAT-Registered, its class must be at least "bronze".  3.15. It must support uppercase and lowercase Turkish character set, and it must be explained to which standards it complies.  3.16. Turkish keyboard  10. Turkish keyboard  11. With septimum and the supplied description// Tedarik explained to which standards it complies.  3.16. Turkish keyboard  11. The printing technology must be laser.  4.1. The printing technology must be laser.  Yozucnın yazdırma özelliği Renkli olacaktır.  Yazıcnın yazdırma özelliği Renkli olacaktır.  Yazıcnın yazdırma özelliği Renkli olacaktır.  Yazıcnın yazdırma özelliği Renkli olacaktır.  4.2. Print, copy, scan features  Yazıcnın yazdırma özelliği Renkli olacaktır.  Yazıcnın yazdırma özelliği Perinting Kağıtlara		manufactured or developed by the	system	tarafından üretilmiş veya geliştirilmiş	
Chipset manufacturer shall be B360, Q370 or higher enterprise chipset.  3.6. RAM should be at least 16 GB DDR4 with minimum 2.400 Mhz working frequency.  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.  3.8. Integrated graphic card and sound card.  3.9. At least 256 GB SSD Disk and 1 TB Sata Hard Disk bulunacaktr.  3.10. At least 23.8 inch screen with IPS or WVA Full HD (1920x1080) resolution.  3.11. With FreeDos installed or without an operating system with the computer.  3.12. Keyboard and mouse must be same brand with the computer.  3.13. It must have EnergyStar certification. The Energy Star compatibility of the computers should be documented.  3.14. It must be EPEAT-Registered, its class must be at least "bronze".  3.15. It must support uppercase and lowercase Turkish character set, and it must be explained to which standards it complies.  3.16. Turkish keyboard  1 Turkish keyboard  3.17. The following hardware must be laser.  4.1. The printing technology must be laser.  4.2. Printing method: color  4.3. Pills for the computer is printing method: color  4.4. Print, copy, scan features  3.5. It most support uppercase and lowercase Printing method: color  4.5. Printing method: color  4.6. Printing method: color  4.7 Print, copy, scan features		. ,	3,300111		
3.6. RAM should be at least 16 GB DDR4 with minimum 2.400 Mhz working frequency.  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.  3.8. Integrated graphic card and sound card. 3.9. At least 256 GB SSD Disk and 1 TB Sata Hard Disk 3.10. At least 23.8 inch screen with IPS or WVA Full HD (1920x1080) resolution. 4.11. With FreeDos installed or without an operating system operating system on with the computer.  3.12. Keyboard and mouse must be same brand with the computer.  3.13. It must have EnergyStar certification. The Energy Star compatibility of the computers should be documented.  3.14. It must be EPEAT-Registered, its class must be at least "bronze".  3.15. It must support uppercase and lowercase Turkish character set, and it must be explained to which standards it complies.  3.16. Turkish keyboard  4. Laser Printer (Color) Type 1 // Lazer yazuci (Renkii) Tip 1  Technical Specifications  4. Print, copy, scan features  3. Print, copy, scan features  Bilgisayarn bellegi PC için; en az 16 GB DDR4 docaktr.  Bilgisayarda en az 23, albet en ze Bluetooth 4.0, en az bir is sub 3.0 girşi, kulaklık girşi, web cam olacaktr.  Bilgisayarda tümleşik ekran kartı ve ses kartı olacaktır.  Bilgisayarda en az 23, albet belü allaklık girşi, web cam olacaktır.  Bilgisayarda en az 256 GB ssd disk ve 178 Sata Docaktır.  Bilgisayarda tümleşik ekran kartı ve ses kartı olacaktır.  VAF Full HD (1920 x 1080) olacaktır.  VAF Full HD (1920 x 1080) olacaktır.  Kiran en az 23,8 inch ve çözünürlüğü IPS veya WVA Full HD (1920 x 1080) olacaktır.  Kiran en az 23,8 inch ve çözünürlüğü IPS veya WVA Full HD (1920 x 1080) olacaktır.  Kiran en az 23,8 inch ve çözünürlüğü IPS veya WVA Full HD (1920 x 1080) olacaktır.  Kiran en az 23,8 inch ve çözünürlüğü IPS veya WVA Full HD (1920 x 1080) olacaktır.  Ferin en az 256 GB ssd disk ve 178 Sata Disk kerna kartı ve ses kartı olacaktır.  Ferin en az 256 GB ssd disk ve 178	3.5.	•	(370 or	masaüstü bilgisayarlar için B360, Q370 veya	
## ARM should be at least 16 GB DNA4 with minimum 2.400 Mhz working frequency.  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.  3.8. Integrated graphic card and sound card.  3.9. At least 256 GB SSD Disk and 1 TB Sata Hard Disk  3.10. At least 23.8 inch screen with IPS or WVA Full HD (1920x1080) resolution.  3.11. With FreeDos installed or without an operating system  3.12. Keyboard and mouse must be same brand with the computer.  3.13. It must have EnergyStar certification. The Energy Star compatibility of the computers should be documented.  3.14. It must be EPEAT-Registered, its class must be explained to which standards it complies.  3.16. Turkish keyboard  3.17. It must be supplied description// Tedarik edilecek ürün tanımu  4. Laser Printer (Color) Type 1 // Lazer yazıcı (Renkli) Tip 1  Technical Specifications  4.1. The printing method: color  4.2. Print, copy, scan features  A class 1 Gigabit Ethernet, Wi-Fi 802.11 a/b/g/n, an az Bluetooth 4.0, en az Bluetooth					
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.  3.8. Integrated graphic card and sound card. 3.9. At least 256 GB SSD Disk and 1 TB Sata Hard Disk 3.10. At least 23.8 inch screen with IPS or WVA Full HD (1920x1080) resolution. 3.11. With FreeDos installed or without an operating system Ore Energy Star compatibility of the computers should be documented. 3.12. It must have EnergyStar certification. The Energy Star compatibility of the computers should be documented. 3.14. It must be EPEAT-Registered, its class must be at least "bronze". 3.15. It must support uppercase and lowercase Turkish character set, and it must be explained to which standards it complies. 3.16. Turkish keyboard  Item to be supplied description// Tedarik edilecek ürün tanımı 4. Laser Printer (Color) Type 1 // Lozer yazıcı (Renkli) Tip 1  Technical Specifications 4.1. The printing technology must be laser.  4.2. Printing method: color  3.4. Print, copy, scan features  3.60. At least 256 GB SSD Disk and 1 TB Sata Hard Disk bulunacaktır.  Bilgisayarda tümleşik ekran kartı ve ses kartı olacaktır.  Bilgisayarda tümleşik ekran kartı ve ses kartı olacaktır.  Bilgisayarda tümleşik ekran kartı ve ses kartı olacaktır.  Bilgisayarla tümleşik ekran kartı ve ses kartı olacaktır.  Klavya ve az 256 GB SSD Disk and 1 TB Sata Hard Disk bulunacaktır.  Bilgisayarla tümleşik ekran kartı ve ses kartı olacaktır.  Klavya ve fare bilgisayarlar aynı marka olacaktır.  Ferengy Star compatibility of the computers should be documented.  Erell fedilen bilgisayarlar, uluslararası "Energy Star" sertifikasına sahip olmalıdır. Teklif edilen bilgisayarları "Levery Star" uyumluluğu belgelendirilmelidir.  Bilgisayarı klavesi Türkçe karakter sertini destekleyecek, bunu hangi standartlara uyarak sağladığı açıklanacaktır.  Quantity // Miktar  Quantity // Miktar  13 pieces // 13 adet  14 Printing method: color  Yazıcının yazdırma, fotokopi, tarama özelliği olacaktır.	3.6.			olacak, bellek çalışma frekansı en az 2.400	
Ethernet, Wi-fi 802.11 a/b/g/n, Bluetooth 4.0, at least 1 USB 3.0, headphone input, web cam.  3.8. Integrated graphic card and sound card.  3.9. At least 256 GB SSD Disk and 1 TB Sata Hard Disk  3.10. At least 23.8 inch screen with IPS or WVA Full By (1920x1080) resolution.  3.11. With FreeDos installed or without an operating system with the computer.  3.12. Keyboard and mouse must be same brand with the computers should be documented.  3.13. It must have EnergyStar certification. The Energy Star compatibility of the computers should be documented.  3.14. It must be EPEAT-Registered, its class must be at least "bronze".  3.15. It must support uppercase and lowercase Turkish character set, and it must be explained to which standards it complies.  3.16. Turkish keyboard  Item to be supplied description// Tedarik edilecek ürün tanımı  4. Laser Printer (Color) Type 1 // Lazer yazıcı (Renkli) Tip 1  Technical Specifications  4.1. The printing technology must be laser.  4.2. Print, copy, scan features  Siglis syarda tümleşik ekran kartı ve ses kartı olacaktır.  Bilgisayarda tümleşik ekran kartı ve ses kartı olacaktır.  Bilgisayarda tümleşik ekran kartı ve ses kartı olacaktır.  Bilgisayarda en az 23,8 inch ve çözünürlüğü IPS veyo WA Full HD (1920 x 1080) olacaktır.  Ekran en az 23,8 inch ve çözünürlüğü IPS veyo WA Full HD (1920 x 1080) olacaktır.  Klavye ve fare bilgisayar işletim sistemsiz olacak veya Free Dos İşletim Sistemsiz olacak veya Free Dos İşletim Sistemsiz olacaktır.  Teklif edilen bilgisayarla qını marka olacaktır.  Erergy Star compatibility of the computers should be documented.  Ereşit gellen bilgisayarla qını marka olacaktır.  EPEAT-Registered olmalıdır, sınıfı en az "bronze" olmalıdır, sınıfı en az "bronze" olmalıdır. Teklif edilen bilgisayar büyük ve küçük harf Türkçe karokter setini destekleyecek, bunu hangi standartlara uyarak sağladığı açıklanacaktır.  Quantity // Miktar  4. Laser Printer (Color) Type 1 // 13 pieces // 13 adet  4.2. Printing method: color  Yazıcının yazdırma özelliği Renkli olacak	3.7.	The following hardware must be prov	ided as	Bilgisayarda en az Gigabit Ethernet, Wi-Fi	
at least 1 USB 3.0, headphone input, web cam.  3.8. Integrated graphic card and sound card.  3.9. At least 256 GB SSD Disk and 1 TB Sata Hard Disk Disk Disk Disk Disk Disk Disk Disk		integrated to the computer: at least	Gigabit		
3.8. Integrated graphic card and sound card. 3.9. At least 256 GB SSD Disk and 1 TB Sata Hard Disk 3.10. At least 23.8 inch screen with IPS or WVA Full HD (1920x1080) resolution. 3.11. With FreeDos installed or without an operating system operating system operating system with the computer. 3.12. Keyboard and mouse must be same brand with the computer. 3.13. It must have EnergyStar certification. The Energy Star compatibility of the computers should be documented. 3.14. It must be EPEAT-Registered, its class must be at least "bronze". 3.15. It must support uppercase and lowercase Turkish character set, and it must be explained to which standards it complies. 3.16. Turkish keyboard  Item to be supplied description// Tedarik edilecek ürün tanım 4. Laser Printer (Color) Type 1 // Lazer yazıcı (Renkli) Tip 1  Technical Specifications 4.1. The printing technology must be laser. 4.2. Print, copy, scan features  3.14. Print, copy, scan features  Bilgisayarda tümleşik ekran kartı ve ses kartı olacaktır.  Bilgisayarda tümleşik ekran kartı ve ses kartı olacaktır.  Bilgisayarda en az 256 GB ssd disk ve 1TB Sata Hard Disk bulunacaktır.  Bilgisayarda en az 256 GB ssd disk ve 1TB Sata Hard Disk bulunacaktır.  Bilgisayarda en az 256 GB ssd disk ve 1TB Sata Hard Disk bulunacaktır.  Bilgisayarda en az 256 GB ssd disk ve 1TB Sata Hard Disk bulunacaktır.  Bilgisayarda en az 256 GB ssd disk ve 1TB Sata Hard Disk bulunacaktır.  Bilgisayarda en az 256 GB ssd disk ve 1TB Sata Hard Disk bulunacaktır.  Bilgisayarda en az 256 GB ssd disk ve 1TB Sata Hard Disk ve 1TB Sata Hard Disk ve 1TB Sata Hard Disk ve 1TB Sata Hard Disk ve 1TB Sata Hard Disk ve 1TB Sata Hard Disk ve 1TB Sata Hard Disk ve 1TB Sata Park ve 1TB Sata Pa		Ethernet, Wi-fi 802.11 a/b/g/n, Bluetod	oth 4.0,		
a.9. At least 256 GB SSD Disk and 1 TB Sata Hard Disk Disk Disk Disk Disk Disk Disk Disk		at least 1 USB 3.0, headphone inpu	t, web	ve bu donanımlar dahili olarak bulunacaktır.	
3.9. At least 256 GB SSD Disk and 1 TB Sata Hard Disk bulunacaktur.  3.10. At least 23.8 inch screen with IPS or WVA Full Ekran en az 23,8 inch ve çözünürlüğü IPS veya HD (1920x1080) resolution.  3.11. With FreeDos installed or without an operating system  3.12. Keyboard and mouse must be same brand with the computer.  3.13. It must have EnergyStar certification. The Energy Star compatibility of the computers should be documented.  3.14. It must be EPEAT-Registered, its class must be at least "bronze".  3.15. It must support uppercase and lowercase Turkish character set, and it must be explained to which standards it complies.  3.16. Turkish keyboard  3.17. It with the besupplied description// Tedarik edilecek ürün tanım  4. Laser Printer (Color) Type 1 // Lazer yazıcı (Renkli) Tip 1  Technical Specifications  4.1. The printing technology must be laser.  4.2. Print, copy, scan features  At least 256 GB SSD Disk and 1 TB Sata Hard Bilgisayarde en az 256 GB ssd disk ve 17B Sata Disk bulunacaktır.  Bilgisayarı işletim sistemisiz olacaktır.  Bilgisayar işletim sistemisiz olacaktır.  Bilgisayar işletim sistemisiz olacaktır.  Teklif edilen bilgisayarla aynı marka olacaktır.  Teklif edilen bilgisayarla yıluslararası "Energy Star" uyumluluğu belgelendirilmelidir.  Teklif edilen bilgisayarlar, uluslararası "Energy Star" uyumluluğu belgelendirilmelidir.  Bilgisayarların "Energy Star" uyumluluğu belgelendirilmelidir.  Bilgisayar biyük ve küçük harf Türkçe karakter setini destekleyecek, bunu hangi standartlara uyarak sağladığı açıklanacaktır.  Bilgisayarın klavyesi Türkçe olacaktır.  13 pieces // 13 adet  14 Lazer yazıcı (Renkli) Tip 1  Technical Specifications  4.1. The printing technology must be laser.  4.2. Printing method: color  Yazıcının yazdırma özelliği Renkli olacaktır.			•		
3.10. At least 23.8 inch screen with IPS or WVA Full HD (1920x1080) resolution.  3.11. With FreeDos installed or without an operating system  3.12. Keyboard and mouse must be same brand with the computer.  3.13. It must have EnergyStar certification. The Energy Star compatibility of the computers should be documented.  3.14. It must be EPEAT-Registered, its class must be at least "bronze".  3.15. It must support uppercase and lowercase Turkish character set, and it must be explained to which standards it complies.  3.16. Turkish keyboard  Item to be supplied description// Tedarik edilecek ürün tanımı  4. Laser Printer (Color) Type 1 // Lazer yazıcı (Renkli) Tip 1  Technical Specifications  4.1. The printing technology must be laser.  4.2. Printing method: color  Association without an all gilgisayar 10x 10x 10x 10x 10x 10x 10x 10x 10x 10x	3.8.	Integrated graphic card and sound card			
3.10. At least 23.8 inch screen with IPS or WVA Full HD (1920x1080) resolution. 3.11. With FreeDos installed or without an operating system operating system operating system operating system operating system obtained with the computer. 3.12. Keyboard and mouse must be same brand with the computer. 3.13. It must have EnergyStar certification. The Energy Star compatibility of the computers should be documented. 3.14. It must be EPEAT-Registered, its class must be at least "bronze". 3.15. It must support uppercase and lowercase Turkish character set, and it must be explained to which standards it complies. 3.16. Turkish keyboard  Item to be supplied description// Tedarik edilecek ürün tanımı  4. Laser Printer (Color) Type 1 // Lazer yazıcı (Renkli) Tip 1  Technical Specifications 4.1. The printing technology must be laser.  4.2. Print, copy, scan features  At the set all east 23.8 inch ve çözünürlüğü IPS veya WVA Full HD (1920 x 1080) olacaktır.  Bilgisayar işletim sistemsiz olacak veya Free Dos İşletim Sistemiz Joleach veş olacaktır.  Ekran en az 23,8 inch ve çözünürlüğü IPS veya WVA Full HD (1920 x 1080) olacaktır.  Bilgisayar işletim sistemsiz olacak veya Free Dos İşletim Sistemiz Joleachtır.  Ekran en az 23,8 inch ve çözünürlöğü olacaktır.  Klavye ve fare bilgistin sistemiz Joleachtur.  Klavye ve fare bilgisayarla aynı marka olacaktır.  Teklif edilen bilgisayarlar, uluslararası "Energy Star" sertifikasına sahip olacaktır.  Teklif edilen bilgisayarlar, uluslararası "Energy Star" sertifikasına sahip olacaktır.  Ekral edilen bilgisayarlar, uluslararası "Energy Star" sertifikasına sahip olacaktır.  Bilgisayarların "Energy Star" uyumluluğu belgelendirilmelidir.  Bilgisayar büyük ve küçük harf Türkçe karakter setini destekleyecek, bunu hangi standartlara uyarak sağladığı açıklanacaktır.  Quantity // Miktar  Quantity // Miktar  13 pieces // 13 adet  Yazıcının baskı teknolojisi lazer olacaktır.  Yazıcının; yazdırma, fotokopi, tarama özelliği olacaktır.	3.9.	At least 256 GB SSD Disk and 1 TB Sat	a Hard		
HD (1920x1080) resolution.  3.11. With FreeDos installed or without an operating system  3.12. Keyboard and mouse must be same brand with the computer.  3.13. It must have EnergyStar certification. The Energy Star compatibility of the computers should be documented.  3.14. It must be EPEAT-Registered, its class must be at least "bronze".  3.15. It must support uppercase and lowercase Turkish character set, and it must be explained to which standards it complies.  3.16. Turkish keyboard  Item to be supplied description// Tedarik edilecek ürün tanımı  4. Laser Printer (Color) Type 1 // Lazer yazıcı (Renkli) Tip 1  Technical Specifications  4.1. Printing method: color  4.3. Print, copy, scan features  WVA Full HD (1920 x 1080) olacaktır.  Bilgisayar işletim sistemsiz olacak veya Free Dos İşletim Sistemi yüklü olacaktır.  Teklif edilen bilgisayarlar, uluslararası "Energy Star" sertifikasına sahip olmalıdır. Teklif edilen bilgisayarların "Energy Star" sertifikasına sahip olmalıdır. Teklif edilen bilgisayarların "Energy Star" sertifikasına sahip olmalıdır. Teklif edilen bilgisayarları, uluslararası "Energy Star" sertifikasına sahip olmalıdır. Teklif edilen bilgisayarları, uluslararası "Energy Star" sertifikasına sahip olmalıdır. Teklif edilen bilgisayarları, uluslararası "Energy Star" sertifikasına sahip olmalıdır. Teklif edilen bilgisayarları, uluslararası "Energy Star" sertifikasına sahip olmalıdır. Teklif edilen bilgisayarları, uluslararası "Energy Star" sertifikasına sahip olmalıdır. Teklif edilen bilgisayarları, uluslararası "Energy Star" sertifikasına sahip olacaktır.  Bilgisayar büyük ve küçük harf Türkçe karakter setini destekleyecek, bunu hangi standartlara uyarak sağladığı açıklanacaktır.  Quantity // Miktar  Quantity // Miktar  13 pieces // 13 adet  Yazıcının baskı teknolojisi lazer olacaktır.  4.2. Printing method: color					
3.12. With FreeDos installed or without an operating system 3.12. Keyboard and mouse must be same brand with the computer. 3.13. It must have EnergyStar certification. The Energy Star compatibility of the computers should be documented. 3.14. It must be EPEAT-Registered, its class must be at least "bronze". 3.15. It must support uppercase and lowercase Turkish character set, and it must be explained to which standards it complies. 3.16. Turkish keyboard  Item to be supplied description// Tedarik edilecek ürün tanımı 4. Laser Printer (Color) Type 1 // Lazer yazıcı (Renkli) Tip 1  Technical Specifications 4.1. Printing method: color  4.2. Printing method: color  Print, copy, scan features  Bilgisayar işletim sistemis yüklü olacaktır.  Klavye ve fare bilgisayarlar, uluslararası "Energy Star" uyunınaka olacaktır.  Felif edilen bilgisayarlar, uluslararası "Energy Star" uyumluluğu belgelendirilmelidir.  EPEAT-Registered olmalıdır, sınıfı en az "bronze" olmalıdır.  Bilgisayarı büyük ve küçük harf Türkçe karakter setini destekleyecek, bunu hangi standartlara uyarak sağladğı açıklanacaktır.  Bilgisayarın klavyesi Türkçe olacaktır.  Bilgisayarın klavyesi Türkçe olacaktır.  13 pieces // 13 adet  Yazıcının baskı teknolojisi lazer olacaktır.  Yazıcının yazdırma özelliği Renkli olacaktır.  Yazıcının; yazdırma, fotokopi, tarama özelliği olacaktır.	3.10.		VA Full		
operating system  3.12. Keyboard and mouse must be same brand with the computer.  3.13. It must have EnergyStar certification. The Energy Star compatibility of the computers should be documented.  3.14. It must be EPEAT-Registered, its class must be at least "bronze".  3.15. It must support uppercase and lowercase Turkish character set, and it must be explained to which standards it complies.  3.16. Turkish keyboard  Item to be supplied description// Tedarik edilecek ürün tanımı  4. Laser Printer (Color) Type 1 // Lazer yazıcı (Renkli) Tip 1  Technical Specifications  4.1. The printing technology must be laser.  Print, copy, scan features  Dos İşletim Sistemi yüklü olacaktır.  Klavye ve fare bilgisayarla aynı marka olacaktır.  Teklif edilen bilgisayarlar, uluslararası "Energy Star" uyumluluğu belgelendirilmelidir.  Teklif edilen bilgisayarlar, uluslararası "Energy Star" sertifikasına sahip olmalıdır. Teklif edilen bilgisayarları "Energy Star" sertifikasına sahip olmalıdır. Teklif edilen bilgisayarları "Energy Star" sertifikasına sahip olmalıdır. Teklif edilen bilgisayarları "Energy Star" sertifikasına sahip olmalıdır. Teklif edilen bilgisayarları "Energy Star" sertifikasına sahip olmalıdır. Teklif edilen bilgisayarları "Energy Star" sertifikasına sahip olmalıdır. Teklif edilen bilgisayarları "Energy Star" sertifikasına sahip olmalıdır. Teklif edilen bilgisayarların "Energy Star" sertifikasınına sahip olmalıdır. Teklif edilen bilgisayarların "Energy Star" sertifikasınına sahip olacaktır.  BEPEAT-Registered olmalıdır. Teklif edilen bilgisayarların "Energy Star" sertifikasınına sahip olacaktır.  Bilgisayar büyük ve küçük harf Türkçe karakter setini destekleyecek, bunu hangi standartlara uyarak sağılağı giçili destekleyecek, bunu hangi standartlara uyarak sağılağı ve küçük harf Türkçe karakter setini destekleyecek, bunu hangi standartlara uyarak sağılağı giçili destekleyecek, bunu hangi standartlara uyarak sağılağılağı ve küçük harf Türkçe karakter setini destekleyecek, bunu hangi standartlara uyarak sağılağılağıla					
3.12. Keyboard and mouse must be same brand with the computer.  3.13. It must have EnergyStar certification. The Energy Star compatibility of the computers should be documented.  3.14. It must be EPEAT-Registered, its class must be at least "bronze".  3.15. It must support uppercase and lowercase Turkish character set, and it must be explained to which standards it complies.  3.16. Turkish keyboard  Item to be supplied description// Tedarik edilecek ürün tanımı  4. Laser Printer (Color) Type 1 // Lazer yazıcı (Renkli) Tip 1  Technical Specifications  4.1. Printing method: color  4.2. Printing method: color  Print, copy, scan features  A Laser printer (Solor) Same brand viti filicit in the computers olacaktır.  Item to be supplied descriptions  Yazıcının yazdırma özelliği Renkli olacaktır.  Yazıcının; yazdırma, fotokopi, tarama özelliği olacaktır.	3.11.		ut an	,	
with the computer.  3.13. It must have EnergyStar certification. The Energy Star compatibility of the computers should be documented.  3.14. It must be EPEAT-Registered, its class must be at least "bronze".  3.15. It must support uppercase and lowercase Turkish character set, and it must be explained to which standards it complies.  3.16. Turkish keyboard  Bilgisayar büyük ve küçük harf Türkçe karakter setini destekleyecek, bunu hangi standartlara uyarak sağladığı açıklanacaktır.  Bilgisayarın klavyesi Türkçe olacaktır.  Bilgisayarın klavyesi Türkçe olacaktır.  Cuantity // Miktar  4. Laser Printer (Color) Type 1 // 13 pieces // 13 adet  Lazer yazıcı (Renkli) Tip 1  Technical Specifications  4.1. The printing technology must be laser.  4.2. Printing method: color  Yazıcının yazdırma özelliği Renkli olacaktır.  Yazıcının; yazdırma, fotokopi, tarama özelliği olacaktır.	2 12		hrand		
3.13. It must have EnergyStar certification. The Energy Star compatibility of the computers should be documented.  3.14. It must be EPEAT-Registered, its class must be at least "bronze".  3.15. It must support uppercase and lowercase Turkish character set, and it must be explained to which standards it complies.  3.16. Turkish keyboard  Item to be supplied description// Tedarik edilecek ürün tanımı  4. Laser Printer (Color) Type 1 // Lazer yazıcı (Renkli) Tip 1  Technical Specifications  4.1. The printing technology must be laser.  4.2. Printing method: color  4.3. Print, copy, scan features  Turkish have EnergyStar certification. The computers should be documented. Teklif edilen bilgisayarla, luluslarara, luluslararası "Energy Star" sertifikasına sahip olmalıdır. Teklif edilen bilgisayarlar, uluslararası "Energy Star" sertifikasına sahip olmalıdır. Teklif edilen bilgisayarlar, uluslararası "Energy Star" sertifikasına sahip olmalıdır. Teklif edilen bilgisayarlar, uluslararası "Energy Star" sertifikasına sahip olmalıdır. Teklif edilen bilgisayarlar, uluslararası "Energy Star" sertifikasına sahip olmalıdır. Teklif edilen bilgisayarlar, uluslarası "Energy Star" uyumluluğu belgelendirilmelidir.  EPEAT-Registered olmalıdır.  Bilgisayar büyük ve küçük harf Türkçe karakter setini destekleyecek, bunu hangi standartlara uyarak sağladığı açıklanacaktır.  Quantity // Miktar  Quantity // Miktar  13 pieces // 13 adet  Yazıcının baskı teknolojisi lazer olacaktır.  Yazıcının yazdırma özelliği Renkli olacaktır.  Yazıcının; yazdırma, fotokopi, tarama özelliği olacaktır.	3.12.	-	Dranu		
Energy Star compatibility of the computers should be documented.  3.14. It must be EPEAT-Registered, its class must be at least "bronze".  3.15. It must support uppercase and lowercase Turkish character set, and it must be explained to which standards it complies.  3.16. Turkish keyboard  Bilgisayarın klavyesi Türkçe karakter.  Bilgisayarın klavyesi Türkçe olacaktır.  Bilgisayarın klavyesi Türkçe olacaktır.  Cuantity // Miktar  4. Laser Printer (Color) Type 1 // 13 pieces // 13 adet  Lazer yazıcı (Renkli) Tip 1  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.  Yazıcının; yazdırma, fotokopi, tarama özelliği olacaktır.	3.13.	•	n. The		
Belgelendirilmelidir.					
3.14. It must be EPEAT-Registered, its class must be at least "bronze".  3.15. It must support uppercase and lowercase Turkish character set, and it must be explained to which standards it complies.  3.16. Turkish keyboard  Bilgisayar büyük ve küçük harf Türkçe karakter setini destekleyecek, bunu hangi standartlara uyarak sağladığı açıklanacaktır.  Bilgisayarın klavyesi Türkçe olacaktır.  Bilgisayarın klavyesi Türkçe olacaktır.  Quantity // Miktar  4. Laser Printer (Color) Type 1 // 13 pieces // 13 adet  Lazer yazıcı (Renkli) Tip 1  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.  Yazıcının; yazdırma, fotokopi, tarama özelliği olacaktır.		should be documented.		bilgisayarların "Energy Star" uyumluluğu	
at least "bronze".  3.15. It must support uppercase and lowercase Turkish character set, and it must be explained to which standards it complies.  3.16. Turkish keyboard  Bilgisayar büyük ve küçük harf Türkçe karakter setini destekleyecek, bunu hangi standartlara uyarak sağladığı açıklanacaktır.  Bilgisayarın klavyesi Türkçe olacaktır.  Quantity // Miktar  4. Laser Printer (Color) Type 1 // 13 pieces // 13 adet  Lazer yazıcı (Renkli) Tip 1  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.  Yazıcının; yazdırma, fotokopi, tarama özelliği olacaktır.  Yazıcının; yazdırma, fotokopi, tarama özelliği olacaktır.					
3.15. It must support uppercase and lowercase Turkish character set, and it must be explained to which standards it complies.  3.16. Turkish keyboard  Bilgisayar büyük ve küçük harf Türkçe karakter setini destekleyecek, bunu hangi standartlara uyarak sağladığı açıklanacaktır.  Bilgisayarın klavyesi Türkçe olacaktır.  Bilgisayarın klavyesi Türkçe olacaktır.  Quantity // Miktar  4. Laser Printer (Color) Type 1 // 13 pieces // 13 adet  Lazer yazıcı (Renkli) Tip 1  Technical Specifications  4.1. The printing technology must be laser.  Yazıcının baskı teknolojisi lazer olacaktır.  Yazıcının yazdırma özelliği Renkli olacaktır.  Yazıcının; yazdırma, fotokopi, tarama özelliği olacaktır.  Yazıcının; yazdırma, fotokopi, tarama özelliği olacaktır.	3.14.	I =	nust be		
Turkish character set, and it must be explained to which standards it complies.  3.16. Turkish keyboard  Bilgisayarın klavyesi Türkçe olacaktır.  Uuantity // Miktar  4. Laser Printer (Color) Type 1 // 13 pieces // 13 adet  Lazer yazıcı (Renkli) Tip 1  Technical Specifications  4.1. The printing technology must be laser.  4.2. Printing method: color  Yazıcının yazdırma özelliği Renkli olacaktır.  Yazıcının; yazdırma, fotokopi, tarama özelliği olacaktır.					
explained to which standards it complies.  3.16. Turkish keyboard  Bilgisayarın klavyesi Türkçe olacaktır.  Quantity // Miktar  4. Laser Printer (Color) Type 1 // Lazer yazıcı (Renkli) Tip 1  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.  Yazıcının; yazdırma, fotokopi, tarama özelliği olacaktır.	3.15.				
3.16. Turkish keyboard  Bilgisayarın klavyesi Türkçe olacaktır.  Quantity // Miktar  4. Laser Printer (Color) Type 1 // Lazer yazıcı (Renkli) Tip 1  Technical Specifications  4.1. The printing technology must be laser.  4.2. Printing method: color  Yazıcının yazdırma özelliği Renkli olacaktır.  Yazıcının; yazdırma, fotokopi, tarama özelliği olacaktır.		·			
Item to be supplied description// Tedarik edilecek ürün tanımı  4. Laser Printer (Color) Type 1 // Lazer yazıcı (Renkli) Tip 1  Technical Specifications  4.1. The printing technology must be laser.  4.2. Printing method: color  4.3. Print, copy, scan features  Yazıcının yazdırma, fotokopi, tarama özelliği olacaktır.	3 16		25.		
4. Laser Printer (Color) Type 1 // Lazer yazıcı (Renkli) Tip 1  Technical Specifications  4.1. The printing technology must be laser.  4.2. Printing method: color  4.3. Print, copy, scan features  Quantity // Miktar  13 pieces // 13 adet  Yazıcının baskı teknolojisi lazer olacaktır.  Yazıcının yazdırma özelliği Renkli olacaktır.  Yazıcının; yazdırma, fotokopi, tarama özelliği olacaktır.	3.10.	Turkisii keyboara		Bilgisayarın klavyesi rarkçe olacaktır.	
Lazer yazıcı (Renkli) Tip 1         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.	Item	• • • • • • • • • • • • • • • • • • • •		Quantity // Miktar	
Technical Specifications  4.1. The printing technology must be laser.  4.2. Printing method: color  4.3. Print, copy, scan features  Yazıcının baskı teknolojisi lazer olacaktır.  Yazıcının yazdırma özelliği Renkli olacaktır.  Yazıcının; yazdırma, fotokopi, tarama özelliği olacaktır.		4. Laser Printer (Color) Type 1 //		13 pieces // 13 adet	
<ul> <li>4.1. The printing technology must be laser.</li> <li>4.2. Printing method: color</li> <li>4.3. Print, copy, scan features</li> <li>4.4. A 5 B5 abothermodeli i hā vitleng.</li> </ul>		Lazer yazıcı (Renkli) Tip 1			
4.2. Printing method: color  4.3. Print, copy, scan features  Yazıcının; yazdırma, fotokopi, tarama özelliği olacaktır.	Techni	cal Specifications			
4.3. Print, copy, scan features  Yazıcının; yazdırma, fotokopi, tarama özelliği olacaktır.	4.1.	The printing technology must be laser.		Yazıcının baskı teknolojisi lazer olacaktır.	
Print, copy, scan features olacaktir.	4.2.	Printing method: color		Yazıcının yazdırma özelliği Renkli olacaktır.	
4.4. Print, copy and scan in A4, A5, B5 sized papers Yazıcı; A4, A5, B5 ebatlarındaki kâğıtlara	4.3.	Print, copy, scan features			
	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: a 27 A4 pages/minute	at least	Yazıcının siyah-beyaz veya renkli baskı hızı; dakikada en az 27 adet A4 kâğıt olacaktır
4.6.	Print quality: min 600 x 600 dpi resoluti	on	Yazıcının baskı kalitesi en az 600X600 dpi çözünürlükte olacaktır.
4.7.	Monthly printing capacity: at least 50.00 pages	00	Yazıcının aylık baskı kapasitesi en az 50.000 sayfa olacaktır.
4.8.	Sequencial copy limits: at least 1-999 co	pies	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 between 25% - 200%	image	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 capacity of at least 50 papers.	have a	Yazıcının otomatik belge besleyicisi en az 50 kâğıt olacaktır.
4.17.	It must be able to connect at least to USB 2.0 and network. 3 m USB cable m 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 lead 2.0 and Ethernet with speed 10/100/10		Bağlantı ara birimi en az USB 2.0 ve Ethernet hızı 10/100/1000 olacaktır.
4.19.	Standard printer languages must be PPCL6.		Yazıcının standart yazıcı dilleri PCL5 veya PCL6 olacaktır.
4.20.	The printer shall work smoothly Windows 8 (32/64 bit), Windows 10 bit) and LINUX (32/64 bit), MacOS operating systems and the drivers for operating systems must be given in C the printer.	(32/64 64 bit these	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 //			4 piece // 4 adet
	Lazer yazıcı (Renkli) Tip 2		
	cal Specifications	Г	
5.1.	The printing technology must be laser.		Yazıcının baskı teknolojisi lazer olacaktır.

5.3. Print, copy, scan features  5.4. Print, copy and scan in A3, A4, A5, B5 sized papers  5.5. Printing speed in black-white or color: at least 25 A4 pages/minute  5.6. Print quality: min 600 x 600 dpi resolution  5.7. Monthly printing capacity: at least 10.000-75.000 pages  5.8. Sequencial copy limits: at least 1-99 copies  5.9. Scan: at least in PDF and JPG formats  5.10. ADF scanning feature  5.11. Scan resolution: min 600 x 600 dpi  5.12. Copy speed: at least 25 copies/minute  5.13. Copy feature is able to zoom in/out image between 25% - 200%  5.14. At least 512 MB internal memory  5.15. At least 520 pages paper tray  5.16. The automatic document feeder must have a capacity of at least 50 papers.  5.17. It must be able to connect at least through USB 2.0 and fethernet with speed 10/100/1000.  5.19. Standard printer languages must be PCL5 or PCL6.  5.19. Standard printer shall work smoothly with Windows 8 (32/64 bit), Windows 10 (32/64 bit) ve LINUX (32/64 bit), Windows 10 (32/64 bit), Windows 10 (32/64 bit) ve LINUX (32/64 bit), Mindow	5.2.	Printing method: color	Yazıcının yazdırma özelliği Renkli olacaktır.
Print, copy, scan features  5.4. Print, copy and scan in A3, A4, A5, B5 sized papers  5.5. Printing speed in black-white or color: at least 25 A4 pages/minute  5.6. Print quality: min 600 x 600 dpi resolution		Frinting method. Color	
<ul> <li>papers</li> <li>printing speed in black-white or color: at least 25 A4 pages/minute</li> <li>5.6.</li> <li>Printing speed in black-white or color: at least 25 A4 pages/minute</li> <li>5.6.</li> <li>Print quality: min 600 x 600 dpi resolution cözünürlükte olacaktır.</li> <li>5.7.</li> <li>Monthly printing capacity: at least 10.000-75.000 pages</li> <li>5.8.</li> <li>Sequencial copy limits: at least 1-99 copies kopyaya kadar olacaktır.</li> <li>5.9.</li> <li>Scan: at least in PDF and JPG formats</li> <li>5.10.</li> <li>ADF scanning feature</li> <li>7 yazıcının ara arda kopya sayısı en az 1-99 kopyaya kadar olacaktır.</li> <li>5.11.</li> <li>Scan resolution: min 600 x 600 dpi</li> <li>4 yazıcının tarama yapacaktır.</li> <li>5.12.</li> <li>Copy speed: at least 25 copies/minute</li> <li>5.13.</li> <li>Copy feature is able to zoom in/out image between 25% - 200%</li> <li>5.14.</li> <li>At least 512 MB internal memory</li> <li>5.15.</li> <li>At least 250 pages paper tray</li> <li>5.16.</li> <li>The automatic document feeder must have a capacity of at least 50 papers.</li> <li>5.17.</li> <li>It must be able to connect at least through USB 2.0 and network. 3 m USB cable must be supplied with the item.</li> <li>5.18.</li> <li>The connection interface must be at least USB 2.0 and Ethernet with speed 10/100/1000.</li> <li>5.19.</li> <li>Standard printer languages must be PCL5 or PCL6.</li> <li>5.20.</li> <li>The printer shall work smoothly with Windows 8 (32/64 bit), Windows 10 (32/64 bit) and LINUX (32/64 bit), Mindows 10 (32/64 bit) ve LINUX (32/64 bit), Mindows 10 (32/64 bit) ve LINUX (32/64 bit), Mindows 10 (32/64 bit) ve LINUX (32/64 bit), Mindows 10 (32/64 bit) ve LINUX (32/64 bit), MacOS 64 bit is poperating systems and the drivers for these operating systems must be given in CD with yanında cd ortamında verilecektir.</li> </ul>			olacaktır.
25 A4 pages/minute  5.6. Print quality: min 600 x 600 dpi resolution  5.7. Monthly printing capacity: at least 10.000-75.000 pages  5.8. Sequencial copy limits: at least 1-99 copies  5.9. Scan: at least in PDF and JPG formats  5.10. ADF scanning feature  5.11. Scan resolution: min 600 x 600 dpi  5.12. Copy speed: at least 25 copies/minute  5.13. Copy feature is able to zoom in/out image between 25% - 200%  5.14. At least 512 MB internal memory  5.15. At least 250 pages paper tray  5.16. The automatic document feeder must have a capacity of at least 50 papers.  5.17. It must be able to connect at least through USB 2.0 and Ethernet with speed 10/100/1000.  5.18. The connection interface must be at least USB 2.0 and Ethernet with speed 10/100/1000.  5.19. Standard printer languages must be PCL5 or PCL6.  5.20. The printer shall work smoothly with Windows 8 (32/64 bit), Windows 10 (32/64 bit) and LINUX (32/64 bit), Mindows 10 (32/64 bit) and LINUX (32/64 bit), Mindows 10 (32/64 bit) and LINUX (32/64 bit), Mindows 10 (32/64 bit) aperating systems must be given in CD with page in az 4000x60x15. At least occupance of the printer and spiven in CD with page in az 600x60x16. Significant according to the printer and spiven in CD with page and spiven in CD with page and spiven in CD with page and spiven in CD with page and spiven in CD with page and spiven in CD with page and spiven in CD with page and spiven in CD with page and spiven in CD with page and spiven in CD with page and spiven in CD with page and pa	5.4.		Yazıcı; A3,A4, A5, B5 ebatlarındaki kâğıtlara yazım, kopyalama ve tarama yapacaktır.
5.7. Monthly printing capacity: at least 10.000-75.000 pages  5.8. Sequencial copy limits: at least 1-99 copies  5.9. Scan: at least in PDF and JPG formats  5.10. ADF scanning feature  5.11. Scan resolution: min 600 x 600 dpi  5.12. Copy speed: at least 25 copies/minute  5.13. Copy feature is able to zoom in/out image between 25% - 200%  5.14. At least 512 MB internal memory  5.15. At least 250 pages paper tray  5.16. The automatic document feeder must have a capacity of at least 50 papers.  5.17. It must be able to connect at least through USB 2.0 and fethernet with speed 10/100/1000. How so supplied with the item.  5.18. The connection interface must be at least USB 2.0 and Ethernet with speed 10/100/1000. How consulting the printer shall work smoothly with Windows 8 (32/64 bit), Windows 10 (32/64 bit) and LINUX (32/64 bit), Windows 10 copression in copy value of the properties of the properties of the properties of the premating systems must be given in CD with in properties of the properties of the properties of the premating systems must be given in CD with in properties of the properties of the properties of the properties of the premating systems must be given in CD with in properties of the	5.5.	<u> </u>	
5.8. Sequencial copy limits: at least 1-99 copies  5.9. Scan: at least in PDF and JPG formats  5.10. ADF scanning feature  5.11. Scan resolution: min 600 x 600 dpi  5.12. Copy speed: at least 25 copies/minute  5.13. Copy feature is able to zoom in/out image between 25% - 200%  5.14. At least 512 MB internal memory  5.15. At least 250 pages paper tray  5.16. The automatic document feeder must have a capacity of at least 50 papers.  5.17. It must be able to connect at least through USB 2.0 and ethernet with speed 10/100/1000.  5.18. The connection interface must be at least USB 2.0 and Ethernet with speed 10/100/1000.  5.19. Standard printer languages must be PCL5 or PCL6.  5.20. The printer shall work smoothly with Windows 8 (32/64 bit), Mindows 10 (32/64 bit) and LINUX (32/64 bit), MacOS 64 bit operating systems must be given in CD with page data page and page and proper page in a page and page and page and page and page and page and page and page and page and page and page and page and page and page and page and the drivers for these operating systems must be given in CD with yanning of a contament and page an	5.6.	Print quality: min 600 x 600 dpi resolution	· · · · · · · · · · · · · · · · · · ·
Sequencial copy limits: at least 1-99 copies   kopyaya kadar olacaktir.	5.7.	, , , , ,	Yazıcının aylık baskı kapasitesi en az 10.000- 75.000 sayfa olacaktır.
S.10.   ADF scanning feature   Yazıcı ADF tarama yapacaktır.	5.8.		
<ul> <li>5.11. Scan resolution: min 600 x 600 dpi  // Scan resolution: min fotokopi miz idakikada en az 25  // Scan part idakikada // Scan part idakikada en az 25  // Scan part idakikada // Scan part idakikita // Scan part idakikita // Scan part idakikita // Sc</li></ul>	5.9.	Scan: at least in PDF and JPG formats	Yazıcı en az PDF ve JPG formatlarında tarama yapacaktır.
dpi olacaktır.  5.12. Copy speed: at least 25 copies/minute  Sopya olacaktır.  Copy feature is able to zoom in/out image between 25% - 200%  Solation in/out image between 25% - 200%  Solation in/out image between 25% - 200%  Solation in/out image between 25% - 200%  Solation in/out image between 25% - 200%  Solation in/out image between 25% - 200%  Solation in/out image yazıcının fotokopi özelliği, görüntüyü en az 90 25 ile % 200 oranları arasında büyütme ve küçültme yapabilecektir.  Solation in/out image yazıcının fotokopi özelliği, görüntüyü en az 90 25 ile % 200 oranları arasında büyütme ve küçültme yapabilecektir.  Solation in/out image yazıcının dâhili hafıza en az 512 MB olacaktır.  Solation in/out image yazıcının dâhili hafıza en az 512 MB olacaktır.  Solation in/out image yazıcının dâhili hafıza en az 512 MB olacaktır.  Solation in/out image yazıcının dâhili hafıza en az 512 MB olacaktır.  Solation in/out image yazıcının dâhili hafıza en az 512 MB olacaktır.  Solation in/out image yazıcının dâhili hafıza en az 512 MB olacaktır.  Solation in/out image yazıcının dâhili hafıza en az 512 MB olacaktır.  Solation in/out image yazıcının dâhili hafıza en az 512 MB olacaktır.  Solation in/out image yazıcının dâhili hafıza en az 512 MB olacaktır.  Solation in/out image yazıcının dâhili hafıza en az 512 MB olacaktır.  Solation in/out image yazıcının dâhili hafıza en az 512 MB olacaktır.  Solation in/out image yazıcının dâhili hafıza en az 512 MB olacaktır.  Solation in/out image yazıcının dâhili hafıza en az 512 MB olacaktır.  Solation in/out image yazıcının dâhili hafıza en az 512 MB olacaktır.  Solation in/out image yazıcının dâhili hafıza en az 512 MB olacaktır.  Solation in/out image yazıcının dâhili hafıza en az 512 MB olacaktır.  Solation in/out image yazıcının dâhili hafıza en az 512 MB olacaktır.  Solation in/out image yazıcının dâhili hafıza en az 512 MB olacaktır.  Solation in/out image yazıcının dahili hafıza en az 50 azıcının dahili hafıza en az 50 azıcının dahili hafıza en az 50 azıcının dahili hafızı	5.10.	ADF scanning feature	Yazıcı ADF tarama yapacaktır.
kopya olacaktır.  5.13. Copy feature is able to zoom in/out image between 25% - 200%  5.14. At least 512 MB internal memory  5.15. At least 250 pages paper tray  5.16. The automatic document feeder must have a capacity of at least 50 papers.  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.  5.18. The connection interface must be at least USB 2.0 and Ethernet with speed 10/100/1000.  5.19. Standard printer languages must be PCL5 or PCL6.  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	5.11.	Scan resolution: min 600 x 600 dpi	Yazıcının tarama çözünürlüğü en az 600x600 dpi olacaktır.
between 25% - 200%  25 ile % 200 oranları arasında büyütme ve küçültme yapabilecektir.  5.14. At least 512 MB internal memory  5.15. At least 250 pages paper tray  5.16. The automatic document feeder must have a capacity of at least 50 papers.  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.  5.18. The connection interface must be at least USB 2.0 and Ethernet with speed 10/100/1000.  5.19. Standard printer languages must be PCL5 or PCL6.  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	5.12.	Copy speed: at least 25 copies/minute	
<ul> <li>5.14. At least 512 MB internal memory</li> <li>5.15. At least 250 pages paper tray</li> <li>5.16. The automatic document feeder must have a capacity of at least 50 papers.</li> <li>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.</li> <li>5.18. The connection interface must be at least USB 2.0 and Ethernet with speed 10/100/1000.</li> <li>5.19. Standard printer languages must be PCL5 or PCL6.</li> <li>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</li> </ul>	5.13.	_ , ,	
<ul> <li>5.16. The automatic document feeder must have a capacity of at least 50 papers.</li> <li>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.</li> <li>5.18. The connection interface must be at least USB 2.0 and Ethernet with speed 10/100/1000.</li> <li>5.19. Standard printer languages must be PCL5 or PCL6.</li> <li>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</li> </ul>	5.14.	At least 512 MB internal memory	Yazıcının dâhili hafıza en az 512 MB olacaktır.
capacity of at least 50 papers.  It must be able to connect at least through USB 2.0 and network. 3 m USB cable must be supplied with the item.  5.18. The connection interface must be at least USB 2.0 and Ethernet with speed 10/100/1000.  5.19. Standard printer languages must be PCL5 or PCL6.  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	5.15.	At least 250 pages paper tray	Yazıcının kâğıt tepsi kapasitesi en az 250 sayfa olacaktır.
USB 2.0 and network. 3 m USB cable must be supplied with the item.  5.18. The connection interface must be at least USB 2.0 and Ethernet with speed 10/100/1000.  5.19. Standard printer languages must be PCL5 or PCL6.  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 in the printer shall work smoothly with supplied with the item.  bağlanabilecektir. 3 metre USB kablo ürün il birlikte teslim edilecektir.  Bağlantı ara birimi en az USB 2.0 ve Etherne hızı 10/100/1000 olacaktır.  Yazıcı Windows 8 (32/64 bit), Windows 10 (32/64 bit) ve LINUX (32/64 bit), Windows 10 (32/64 bit) ve LINUX (32/64 bit), MacOS 64 bit işletim sistemleri ile sorunsuz çalışacak ve bit işletim sistemlerine ait sürücüler, yazıcı yanında cd ortamında verilecektir.		capacity of at least 50 papers.	
2.0 and Ethernet with speed 10/100/1000.  5.19. Standard printer languages must be PCL5 or PCL6.  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 with content of the conten	5.17.	USB 2.0 and network. 3 m USB cable must be	bağlanabilecektir. 3 metre USB kablo ürün ile
<ul> <li>5.19. Standard printer languages must be PCL5 or PCL6.</li> <li>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</li> </ul>	5.18.	The connection interface must be at least USB	Bağlantı ara birimi en az USB 2.0 ve Ethernet hızı 10/100/1000 olacaktır.
Windows 8 (32/64 bit), Windows 10 (32/64 bit) ve LINUX (32/64 bit), MacOS 64 bit operating systems and the drivers for these operating systems must be given in CD with operating systems and the drivers for these operating systems must be given in CD with operating systems must be given in CD with operating systems must be given in CD with operating systems must be given in CD with operating systems must be given in CD with operating systems must be given in CD with operating systems must be given in CD with operating systems must be given in CD with operating systems must be given in CD with operating systems must be given in CD with operating systems must be given in CD with operating systems must be given in CD with operating systems must be given in CD with operating systems and the drivers for these operating systems must be given in CD with operating systems and the drivers for these operating systems must be given in CD with operating systems must be given by the control operating systems must be given by the control operating systems must be given by the control operating syst	5.19.	Standard printer languages must be PCL5 or	Yazıcının standart yazıcı dilleri PCL5 veya PCL6 olacaktır.
	5.20.	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	(32/64 bit) ve LINUX (32/64 bit), MacOS 64 bit işletim sistemleri ile sorunsuz çalışacak ve bu işletim sistemlerine ait sürücüler, yazıcı

Item to be supplied description// Tedarik edilecek ürün tanımı		Quantity // Miktar
	6. Laser Printer (Black&White) //	41 pieces // 41 adet
	Lazer yazıcı (Siyah-Beyaz)	
Techni	cal 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	Vazici: AA A5 B5 ehatlarındaki kâğıtlara
6.5.	Printing speed in black-white or color: a 35 A4 pages/minute	
6.6.	Print quality: min 600 x 600 dpi resolution	Vazicinin haski kalitesi en az 600X600 dni
6.7.	Monthly printing capacity: at least pages	-
6.8.	Sequencial copy limits: at least 1-99 cop	pies 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 between 25% - 200%	
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 capacity of at least 50 papers.	
6.17.	It must be able to connect at least the USB 2.0 and network. 3 m USB cable m supplied with the item.	nust be bağlanabilecektir. 3 metre USB kablo ürün ile birlikte teslim edilecektir.
6.18.	The connection interface must be at lead 2.0 and Ethernet with speed 10/100/10	3
6.19.	Standard printer languages must be P PCL6.	PCL5 or Yazıcının standart yazıcı dilleri PCL5 veya PCL6 olacaktır.
6.20.	The printer shall work smoothly Windows 8 (32/64 bit), Windows 10 bit) and LINUX (32/64 bit), MacOS	(32/64 bit) ve LINUX (32/64 bit), MacOS 64 bit

	operating systems and the drivers for operating systems must be given in C 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 //		2 pieces // 2 adet
	Nokta vuruşlu (dot matrix) yazıcı		
Technic	cal 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 c mode or fast draft mode	pi draft	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, 2.0 port.		Yazıcı paralel port, USB 2.0 portuna sahip olacaktır.
7.5.	Buffer: min 128 KB and shall support a 240x144 dpi resolution.	at least	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 for	onts.	Yazıcı en az dört yazı fontunu destekleyecektir.
7.8.	The lifetime of the tape should be a 4.000.000 characters (Four million or hi		Yazıcıda kullanılan şerit ömrü en az 4.000.000 (dört milyon veya üzeri) karakter olacaktır.
7.9.	The lifetime of the printer head should least 300.000.000 characters (Three himillion or higher).	d be at	Yazıcı kafa ömrü en az 300.000.000 (üç yüz milyon) veya üzeri karakter olacaktır.
7.10.	Drivers for Windows should be present it will be able to print in Turkish in the operating systems.		Windows sürücüleri bulunacak ve ilgili işletim sistemi uygulamalarında Türkçe yazacaktır.
7.11.	Paper size: A4, continuous form, intern 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 m provided with the item, that can 20,000,000 (twenty million) charact print, other than the original printer tap	print ers of	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 bookle be given.		Yazıcı ile sürücü driverleri, bağlantı kabloları ve kitapçıkları verilecektir.
7.14.	There shall be a straight paper path standard push tractor.		Yazıcıda düz kâğıt yolu ve standart itmeli traktör bulunacaktır.
7.15.	The printer shall work smoothly Windows 8 (32/64 bit) and Windo (32/64 bit) operating systems and the for these operating systems must be g	ws 10 drivers	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
	a CD with the printer.		verilecektir.

Item to be supplied description// Tedarik edilecek ürün tanımı		Quantity // Miktar	
8. Video Camera // Video Kamera		1 pc. // 1 adet	
Techni	cal Specifications		
8.1.	Number of effective pixels: min 14.2N (16:9)	√ pixel	Efektif piksel sayısı: min 14.2M pixel (16:9)
8.2.	Lens: fixed lens capable of 12x optical z	oom	Lens: 12x optik zoom özelliğinde sabit lens
8.3.	24x image zoom technology		24x görüntü yaklaştırma teknolojisi
8.4.	Camera recording format: XAVC S (4 HD): MPEG4-AVC/H264 4: 2:0 long AVCHD: MPEG-4 AVC/H.264 AVCH medium format compatible and DV f must be supported.	profile, D 2.0	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 100Mbps/60Mbps in 4K format	25p,	Kayıt hızı: 4K formatta 3840x2160 25p, 100Mbps/60Mbps
8.6.	Card format: It must be able to recommon MSPro Duo, SDXC, SDHC cards and there 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 filt rate of 1/4ND, 1/16ND, 1/64ND.	ter at a	Kamera 1/4ND, 1/16ND, 1/64ND oranında dahili ND filtreye sahip olmalıdır.
8.8.	Indoor and outdoor color temper adjustment must be able to be made we camera.	erature vith the	Kamera ile iç mekan ve dış mekan renk sıcaklığı ayarı yapılabilmelidir.
8.9.	The camera must have HDMI, Con Video (BNC Type) video output, RCA output, Lanc Control input for lens remo	audio	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-p 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 c battery, adapter, connection cables 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 memory cards that is compatible windevice.		Cihaza uyum sağlayan 2 (iki) adet en az 64 GB 1000x hafıza kartı olmalıdır.
8.14.	(battery) for the device.	battery	Cihaza ait fazladan bir adet yedek pil (batarya) olmalıdır.
8.15.	Along with the device, there must waterproof carrying case that is com with the device and a Tripod compatib the Camera.	patible	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			5 adet // 5 pcs	
	Makinesi			
Techni	Technical Specifications			
9.1.	Product type: DSLR		Ürün tipi: DSLR	
9.2.	Image sensor: at least 18 megapixel (Aps-c)	CMOS	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 card	r SDXC	Depolama Tip: SD kart, SDHC kart veya SDXC kart	
9.6.	Storage card with at least 128 GB ca compatible with the camera, mu 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 charge extra spare battery must be supplied w product. Batteries must be original product.	ith the	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 conr cable must be provided with the produc		1 adet HDMI kablosu ve 1 adet display port bağlantı kablosu ürünle birlikte verilmelidir.	
Item	Item to be supplied description// Tedarik edilecek ürün tanımı		Quantity // Miktar	
	10. Power Bank // Taşınabilir Şarj Cihazı		135 pcs. // <i>135 adet</i>	
Techni	cal 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 p smart phones, Apple products (iPod iPhone) all tablet PCs that can be charg USB. It must be able to easily conne charge the devices and the necessary	, iPad, ged via ect and	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 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 showi battery status on it.	ng the	Üzerinde pil durumunu gösteren LED ekran bulunmalıdır.
Item	to be supplied description// Tedarik		
	edilecek ürün tanımı		Quantity // Miktar
	11. Hand Held GPS //		18 pieces // 18 adet
	El Tipi GPS		
Technic	cal Specifications	<u>I</u>	
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.	•	
11.5.	It must have barometric altimeter and	d must	Barometrik altimetresi olmalı, alan
	be able to calculate area.		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 a internal camera.	and an	Dâhili hafızası ve dahili kamerası bulunmalıdır.
11.10.	It must have unit-to-unit transfer featur	re.	Birimden birime transfer özelliği bulunmalıdır.
11.11.	It must have at least 815 MB of i	nternal	Dâhili en az 815 MB kapasitesi bulunmalı ve
	capacity and the memory mus		hafıza arttırılabilir özellikte olmalıdır. Cihaz
	expandable. The device must support	Micro	Micro SD özellikli hafıza kartlarını
	SD memory cards.		desteklemelidir.
11.12.	The device must be rechargeable. Batt	•	Cihaz şarj edilebilir özellikte olmalıdır. Pil ömrü
	must be at least 16 hours. Battery tech must be Ni-MH.	inology	en az 16 saat olmalıdır. Pil teknolojisi Nİ-MH
Itaas			özellikte olmalıdır.
Item to be supplied description// Tedarik  edilecek ürün tanımı			Quantity // Miktar
12. Laser Meter //			19 pieces // 19 adet
Lazer Metre			-
Technical Specifications			
12.1.	The laser measurement distance m	ust be	Lazer ölçüm mesafesi dış mekan için uyumlu
	suitable for outdoors and the minimum		ve en az ölçüm aralığı 0,05-100 m olmalıdır.
	measurement range must be 0.05-100 m.		
12.2.	The measuring system must be metric.		Ölçüm sistemi metrik olmalıdır.

12.3. Dust and spray water protection must be IP 54.  12.4. It must have length, area and volume measurement function.  12.5. Laser meter and all accessories must have CE certificate.  12.6. Protection bag, carrying bag, 4 batteries must be delivered as a complete set.  12.6. Protection bag, carrying bag, 4 batteries must be delivered as a complete set.  12.6. Protection bag, carrying bag, 4 batteries must be delivered as a complete set.  13. Projection and Projection Curtain If Projektör ve Projeksiyon Perdesi  13.1. Uight power: At least 2300 ANSI lumen  13.1. Uight power: At least 1204x768 (XGA) and able to compact up to 1080P; (1920x1080) 60 Hz highest resolution  13.3. Projection technology: DLP, LCD or LED  13.4. Lamp lifetime: At least 4,000 hours and contrast ratio: at least 15,000:1  13.5. At least 1 HDMI computer input, 1 USB input, sound input and output output with with PAL and video compatible with w							
12.4. It must have length, area and volume measurement function.  12.5. Laser meter and all accessories must have CE certificate.  12.6. Protection bag, carrying bag, 4 batteries must be delivered as a complete set.  12.6. Protection bag, carrying bag, 4 batteries must be delivered as a complete set.  12.6. Protection bag, carrying bag, 4 batteries must be delivered as a complete set.  13. Projector and Projection Curtain II Projektör ve Projeksiyon Perdesi  13. Projektör ve Projeksiyon Perdesi  13.1. Light power: At least 2300 ANSI lumen  13.2. Real resolution: At least 1024x768 (XGA) and able to compact up to 1080P; (1920X1080) 60 Hz highest resolution  13.3. Projection technology: DLP, LCD or LED  13.4. Lamp lifetime: At least 4,000 hours and contrast ratio: at least 15,000:1  13.5. At least 1 HDMI computer input, 1 USB input, sound input and output  13.6. Video signalling system should be compatible with with PAL and video compatibility must be in line with NTNSC, PAC, SECAM.  13.6. It must have a remote controller.  13.7. Leiling hanger apparatus and 20 meters HDMI extension cable should be provided.  13.9. It must have a remote controller.  13.10. Ceiling hanger apparatus and 20 meters HDMI extension cable should be provided.  13.10. Ceiling hanger apparatus and 20 meters HDMI extension cable should be provided.  13.10. The printer shall work smoothly with Projeksiyon cihazu in retain a sub-production, coppy, OEM and manucfactured by another projection company.	12.3.	Dust and spray water protection mus	t be IP				
measurement function.  12.5. Laser meter and all accessories must have CE certificate.  12.6. Protection bag, carrying bag, 4 batteries must be delivered as a complete set.  12.6. Protection bag, carrying bag, 4 batteries must be delivered as a complete set.  12.6. Protection bag, carrying bag, 4 batteries must be delivered as a complete set.  13.1. Use must be supplied description// Tedarik edilecek ürün tanımı  13. Projector and Projection Curtain // Projektör ve Projeksiyon Perdesi  13.1. Uight power: At least 2300 ANSI lumen  13.2. Real resolution: At least 1024x768 (XGA) and able to compact up to 1080P; (1920X1080) 60 Hz highest resolution  13.3. Projection technology: DLP, LCD or LED  13.4. Lamp lifetime: At least 4,000 hours and contrast ratio: at least 15,000:1  13.5. At least 1 HDMI computer input, 1 USB input, sound input and output with with PAL and video compatibile with with PAL and video compatibility must be in line with NTNSC, PAC, SECAM.  13.6. Video signalling system should be compatible with with PAL and video compatibility must be in line with NTNSC, PAC, SECAM.  13.7. It must have sound input and at least 2 W power integrated speaker  13.8. It must have a remote controller.  13.9. It must have a remote controller.  13.10. Ceiling hanger apparatus and 20 meters HDMI extension cable should be provided.  13.10. Ceiling hanger apparatus and 20 meters HDMI extension cable should be provided.  13.10. The printer shall work smoothly with Projeksiyon cihazu natura van ask aparatus 20 marangary.  13.10. The printer shall work smoothly with Projeksiyon cihazu vindows 8 (32/64 bit),		54.		olmalıdır.			
12.5. Laser meter and all accessories must have CE certificate.  12.6. Protection bag, carrying bag, 4 batteries must be delivered as a complete set.  12.6. Protection bag, carrying bag, 4 batteries must be delivered as a complete set.  12.6. Protection bag, carrying bag, 4 batteries must be delivered as a complete set.  13.1. Litem to be supplied description// Tedarik edilecek ürün tanımı  13. Projector and Projection Curtain  14 Projektör ve Projeksiyon Perdesi  15. Light power: At least 2300 ANSI lumen  16. Real resolution: At least 1024x768 (XGA) and able to compact up to 1080P; (1920X1080) 60 Hz highest resolution  17. Projection technology: DLP, LCD or LED  18. Lamp lifetime: At least 4,000 hours and contrast ratio: at least 15,000:1  18. At least 1 HDMI computer input, 1 USB input, sound input and output and output and output input and output input and output input and output and output input and output	12.4.			Uzunluk, alan ve hacim ölçüm fonksiyonu			
Certificate.   Protection bag, carrying bag, 4 batteries must be delivered as a complete set.		measurement function.		olmalıdır			
12.6.   Protection bag, carrying bag, 4 batteries must be delivered as a complete set.	12.5.	Laser meter and all accessories must h	ave CE	Lazermetre ve tüm aksesuarlarının CE belgesi			
ttem to be supplied description// Tedarik edilecek ürün tanımı  13. Projector and Projection Curtain		certificate.		olmalıdır.			
Technical Specifications	12.6.	Protection bag, carrying bag, 4 batterie	s must	Koruma çantası, taşıma çantası, 4 adet pili			
13. Projector and Projection Curtain  13. Projector and Projection Curtain  13. Projector and Projection Curtain  13. Projector and Projection Curtain  13. Light power: At least 2300 ANSI lumen  13. Light power: At least 2300 ANSI lumen  13. Real resolution: At least 1024x768 (XGA) and able to compact up to 1080P; (1920X1080) 60  Hz highest resolution  13. Projection technology: DLP, LCD or LED  13. Lamp lifetime: At least 4,000 hours and contrast ratio: at least 15,000:1  13. At least 1 HDMI computer input, 1 USB input, sound input and output  13. At least 1 HDMI computer input, 1 USB input, sound input and output  13. It must have sound input and at least 2 W power integrated speaker  13. It must have sound input and at least 2 W power integrated speaker  13. It must have a remote controller.  13. Celling hanger apparatus and 20 meters HDMI extension cable should be original brand of the manufacturing company; it should not be a sub-production, copy, OEM and manucfactured by another projection company.  13. Projeksiyon cihazunin apacektr. Wideo in line with NTSC, poy, OEM and manucfactured by another projection company.  13. Projeksiyon cihazunin in gerçek çözünürlüğü; en az 3200 ANSI lümen olacaktr.  13. Projeksiyon cihazunin merçek çözünürlüğü; en az 1024x768 (XGA) alacaktr.  13. Projeksiyon cihazunin nerçek çözünürlüğü; en az 1024x768 (XGA) alacaktr.  13. Projeksiyon cihazunin nerçek çözünürlüğü; en az 1024x768 (XGA) alacaktr.  13. Projeksiyon cihazunin derçek çözünürlüğü; en az 1024x768 (XGA) alacaktr.  13. Projeksiyon cihazunin derçek çözünürlüğü; en az 1024x768 (XGA) alacaktr.  13. Projeksiyon cihazunin verina en az 15.000:1  13. Projeksiyon cihazunin video sinyal sistemi PAL uyumlu ve video uyumluluğu NTSC, PAL, SECAM olacaktr.  13. Projeksiyon cihazunin video sinyal sistemi PAL uyumlu ve video uyumluluğu NTSC, PAL, SECAM olacaktr.  13. Projeksiyon cihazunin uzaktan kumandası olacaktr.  13. Projeksiyon cihazunin uzaktan kumandası olacaktr.  13. Projeksiyon cihazunin uzaktan kumandası olacaktr.  13. Pro		be delivered as a complete set.		komple takım olarak teslim edilmelidir.			
13. Projector and Projection Curtain  If Projektör ve Projeksiyon Perdesi  13.1. Light power: At least 2300 ANSI lumen  13.2. Real resolution: At least 1024x768 (XGA) and able to compact up to 1080P; (1920X1080) 66 Hz highest resolution  13.3. Projection technology: DLP, LCD or LED  13.4. Lamp lifetime: At least 4,000 hours and contrast ratio: at least 15,000:1  13.5. At least 1 HDMI computer input, 1 USB input, sound input and output  13.6. Video signalling system should be compatible with with PAL and video compatibility must be in line with NTNSC, PAC, SECAM.  13.7. It must have sound input and at least 2 W power integrated speaker  13.8. It must have zoom and focus features. It must be able to make keystone correction.  13.9. It must have a remote controller.  13.10. Ceiling hanger apparatus and 20 meters HDMI extension cable should be original brand of the manufacturing company; it should not be a sub-production, copy, OEM and manucfactured by another projection company.  13.12. The printer shall work smoothly with Projeksiyon cihazu Windows 8 (32/64 bit),	Item to	o be supplied description// Tedarik		O with Hadiles			
Technical Specifications  13.1. Light power: At least 2300 ANSI lumen  Real resolution: At least 1024x768 (XGA) and able to compact up to 1080P; (1920X1080) 60 Hz highest resolution  Ansi lümen olacaktır.  Projeksiyon cihazının gerçek çözünürlüğü; en az 1024x768 (XGA) and able to compact up to 1080P; (1920X1080) 60 Hz highest resolution  Ansi lümen olacaktır.  Projeksiyon cihazının gerçek çözünürlüğü; en az 1024x768 (XGA) olacak ve cihaz 1080P; (1920X1080) 60 Hz en yüksek çözünürlüğe kadar sıkıştırma yapacaktır.  Projeksiyon cihazının gösterim teknolojisi DLP, LCD veya LED olacaktır.  Projeksiyon cihazının lamba ömrü; en az 4.000 saat ve kontrast oranı en az 15.000:1 olacaktır.  Projeksiyon cihazının lamba ömrü; en az 4.000 saat ve kontrast oranı en az 15.000:1 olacaktır.  Projeksiyon cihazının lamba ömrü; en az 4.000 saat ve kontrast oranı en az 15.000:1 olacaktır.  Projeksiyon cihazının video sinyal sistemi PAL uyumlu ve video uyumluluğu NTSC, PAL, SECAM olacaktır.  13.6. Video signalling system should be compatible with with PAL and video compatibility must be in line with NTNSC, PAC, SECAM.  13.7. It must have sound input and at least 2 W power integrated speaker  13.8. It must have zoom and focus features. It must be able to make keystone correction.  Projeksiyon cihazının video sinyal sistemi PAL uyumlu ve video uyumluluğu NTSC, PAL, SECAM olacaktır.  Projeksiyon cihazının ses girişi ve en az 2 W gücünde döhili hoparlörü olacaktır.  Projeksiyon cihazının uzaktan kumandası olacaktır.  Projeksiyon cihazının uzaktan kumandası olacaktır.  Projeksiyon cihazının uzaktan kumandası olacaktır.  Projeksiyon cihazının uzaktan kumandası olacaktır.  Projeksiyon cihazının uzaktan kumandası olacaktır.  Projeksiyon cihazının uzaktan kumandası olacaktır.  Projeksiyon cihazının uzaktan kumandası olacaktır.  Projeksiyon cihazının uzaktan kumandası olacaktır.  Projeksiyon cihazının uzaktan kumandası olacaktır.  Projeksiyon cihazının uzaktan kumandası olacaktır.  Projeksiyon cihazının uzaktan kumandası olacaktır.  Projeksiyon	edilece	ek ürün tanımı		Quantity // Wilktar			
Technical Specifications  13.1. Light power: At least 2300 ANSI lumen  Real resolution: At least 1024x768 (XGA) and able to compact up to 1080P; (1920X1080) 60 Hz highest resolution  Ansi lümen olacaktır.  Projeksiyon cihazının gerçek çözünürlüğü; en az 1024x768 (XGA) and able to compact up to 1080P; (1920X1080) 60 Hz highest resolution  Ansi lümen olacaktır.  Projeksiyon cihazının gerçek çözünürlüğü; en az 1024x768 (XGA) olacak ve cihaz 1080P; (1920X1080) 60 Hz en yüksek çözünürlüğe kadar sıkıştırma yapacaktır.  Projeksiyon cihazının gösterim teknolojisi DLP, LCD veya LED olacaktır.  Projeksiyon cihazının lamba ömrü; en az 4.000 saat ve kontrast oranı en az 15.000:1 olacaktır.  Projeksiyon cihazının lamba ömrü; en az 4.000 saat ve kontrast oranı en az 15.000:1 olacaktır.  Projeksiyon cihazının lamba ömrü; en az 4.000 saat ve kontrast oranı en az 15.000:1 olacaktır.  Projeksiyon cihazının video sinyal sistemi PAL uyumlu ve video uyumluluğu NTSC, PAL, SECAM olacaktır.  13.6. Video signalling system should be compatible with with PAL and video compatibility must be in line with NTNSC, PAC, SECAM.  13.7. It must have sound input and at least 2 W power integrated speaker  13.8. It must have zoom and focus features. It must be able to make keystone correction.  Projeksiyon cihazının video sinyal sistemi PAL uyumlu ve video uyumluluğu NTSC, PAL, SECAM olacaktır.  Projeksiyon cihazının ses girişi ve en az 2 W gücünde döhili hoparlörü olacaktır.  Projeksiyon cihazının uzaktan kumandası olacaktır.  Projeksiyon cihazının uzaktan kumandası olacaktır.  Projeksiyon cihazının uzaktan kumandası olacaktır.  Projeksiyon cihazının uzaktan kumandası olacaktır.  Projeksiyon cihazının uzaktan kumandası olacaktır.  Projeksiyon cihazının uzaktan kumandası olacaktır.  Projeksiyon cihazının uzaktan kumandası olacaktır.  Projeksiyon cihazının uzaktan kumandası olacaktır.  Projeksiyon cihazının uzaktan kumandası olacaktır.  Projeksiyon cihazının uzaktan kumandası olacaktır.  Projeksiyon cihazının uzaktan kumandası olacaktır.  Projeksiyon	1	3. Projector and Projection Curtain		12 pieces // 12 adet			
13.1. Light power: At least 2300 ANSI lumen  Real resolution: At least 1024x768 (XGA) and able to compact up to 1080P; (1920X1080) 60 Hz highest resolution  13.3. Projection technology: DLP, LCD or LED  13.4. Lamp lifetime: At least 4,000 hours and contrast ratio: at least 15,000:1  13.5. At least 1 HDMI computer input, 1 USB input, sound input and output  13.6. Video signalling system should be compatible with with PAL and video compatible with With Packetar.  13.6. It must have sound input and at least 2 W Projeksiyon cihazının ses girişi ve en az 2 W gücünde dahili hoparlörü olacaktır.  13.9. It must have a remote controller.  13.10. C				•			
13.1. Light power: At least 2300 ANSI lumen  13.2. Real resolution: At least 1024x768 (XGA) and able to compact up to 1080P; (1920X1080) 60 Hz highest resolution  13.3. Projection technology: DLP, LCD or LED  13.4. Lamp lifetime: At least 4,000 hours and contrast ratio: at least 15,000:1  13.5. At least 1 HDMI computer input, 1 USB input, sound input and output  13.6. Video signalling system should be compatible with with PAL and video compatibility must be in line with NTNSC, PAC, SECAM.  13.7. It must have sound input and at least 2 W power integrated speaker  13.8. It must have zoom and focus features. It must be able to make keystone correction.  13.9. It must have a remote controller.  13.10. Ceiling hanger apparatus and 20 meters HDMI extension cable should be original brand of the manufacturing company; it should not be a sub-production, copy, OEM and manucfactured by another projection company.  13.12. The printer shall work smoothly with Projeksiyon cihazu Windows 8 (32/64 bit),		II Projektor ve Projeksiyon Perdesi					
13.2. Real resolution: At least 1024x768 (XGA) and able to compact up to 1080P; (1920X1080) 60 Hz highest resolution  13.3. Projection technology: DLP, LCD or LED  13.4. Lamp lifetime: At least 4,000 hours and contrast ratio: at least 15,000:1  13.5. At least 1 HDMI computer input, 1 USB input, sound input and output  13.6. Video signalling system should be compatible with with PAL and video compatibility must be in line with NTNSC, PAC, SECAM.  13.7. It must have sound input and at least 2 W projeksiyon cihazının video sinyal sistemi PAL yumlu ve video uyumluluğu NTSC, PAL, SECAM olacaktır.  13.8. It must have zoom and focus features. It must be able to make keystone correction.  13.9. It must have a remote controller.  13.10. Ceiling hanger apparatus and 20 meters HDMI extension cable should be original brand of the manufacturing company; it should not be a sub-production, copy, OEM and manucfactured by another projection company.  13.12. The printer shall work smoothly with Projeksiyon cihazı Windows 8 (32/64 bit),	Technic	cal Specifications					
13.2. Real resolution: At least 1024x768 (XGA) and able to compact up to 1080P; (1920X1080) 60 Hz highest resolution  13.3. Projection technology: DLP, LCD or LED  13.4. Lamp lifetime: At least 4,000 hours and contrast ratio: at least 15,000:1  13.5. At least 1 HDMI computer input, 1 USB input, sound input and output  13.6. Video signalling system should be compatible with with PAL and video compatibility must be in line with NTNSC, PAC, SECAM.  13.7. It must have sound input and at least 2 W power integrated speaker  13.8. It must have zoom and focus features. It must be able to make keystone correction.  13.9. It must have a remote controller.  13.10. Ceiling hanger apparatus and 20 meters HDMI extension cable should be original brand of the manufacturing company; it should not be a sub-production, copy, OEM and manucfactured by another projection company.  13.12. The printer shall work smoothly with Projeksiyon cihazu Windows 8 (32/64 bit),	13.1.	Light nower At least 2200 ANGLISH		Projeksiyon cihazının ışık gücü; en az 3200			
Real resolution: At least 1024x/68 (XGA) and able to compact up to 1080P; (1920X1080) 60 Hz highest resolution  Projection technology: DLP, LCD or LED  13.4. Lamp lifetime: At least 4,000 hours and contrast ratio: at least 15,000:1  13.5. At least 1 HDMI computer input, 1 USB input, sound input and output  13.6. Video signalling system should be compatible with with PAL and video compatibility must be in line with NTNSC, PAC, SECAM.  13.7. It must have sound input and at least 2 W power integrated speaker  13.8. It must have zoom and focus features. It must be able to make keystone correction.  13.9. It must have a remote controller.  13.10. Ceiling hanger apparatus and 20 meters HDMI extension cable should be original brand of the manufacturing company.  13.12. The printer shall work smoothly with Projeksiyon cihazı Windows 8 (32/64 bit),		Light power: At least 2300 ANSI lumen					
At least 1024x768 (XGA) and able to compact up to 1080P; (1920X1080) 60 Hz highest resolution  13.3.  Projection technology: DLP, LCD or LED  13.4.  Lamp lifetime: At least 4,000 hours and contrast ratio: at least 15,000:1  13.5.  At least 1 HDMI computer input, 1 USB input, sound input and output  13.6.  Video signalling system should be compatible with with PAL and video compatibility must be in line with NTNSC, PAC, SECAM.  13.7.  It must have sound input and at least 2 W power integrated speaker  13.8.  It must have zoom and focus features. It must be able to make keystone correction.  13.9.  It must have a remote controller.  13.10.  Ceiling hanger apparatus and 20 meters HDMI extension cable should be original brand of the manufacturing company.  13.12.  The printer shall work smoothly with Projeksiyon cihazı Windows 8 (32/64 bit),	13.2.	Pool recolution: At least 4034:700 MG	۱۸۱ م. د ا	Projeksiyon cihazının gerçek çözünürlüğü; en			
Hz highest resolution  13.3. Projection technology: DLP, LCD or LED  13.4. Lamp lifetime: At least 4,000 hours and contrast ratio: at least 15,000:1  13.5. At least 1 HDMI computer input, 1 USB input, sound input and output  13.6. Video signalling system should be compatible with with PAL and video compatibility must be in line with NTNSC, PAC, SECAM.  13.7. It must have sound input and at least 2 W power integrated speaker  13.8. It must have zoom and focus features. It must be able to make keystone correction.  13.9. It must have a remote controller.  13.10. Ceiling hanger apparatus and 20 meters HDMI extension cable should be original brand of the manufacturing company; it should not be a sub-production, copy, OEM and manucfactured by another projection company.  13.12. The printer shall work smoothly with Projeksiyon cihazı Windows 8 (32/64 bit),		<u> </u>	•	az 1024x768 (XGA) olacak ve cihaz 1080P;			
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  13.5. At least 1 HDMI computer input, 1 USB input, sound input and output Projeksiyon cihazının lamba ömrü; en az 4.000 saat ve kontrast oranı en az 15.000:1 olacaktır.  13.6. Video signalling system should be compatible with with PAL and video compatibility must be in line with NTNSC, PAC, SECAM.  13.7. It must have sound input and at least 2 W power integrated speaker Projeksiyon cihazının video siryal sistemi PAL yumlu ve video uyumluluğu NTSC, PAL, SECAM olacaktır.  13.8. It must have zoom and focus features. It must be able to make keystone correction.  13.9. It must have a remote controller.  13.10. Ceiling hanger apparatus and 20 meters HDMI extension cable should be provided.  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.  13.12. The printer shall work smoothly with Projeksiyon cihazı Windows 8 (32/64 bit),		, , ,	080) 60	(1920X1080) 60 Hz en yüksek çözünürlüğe			
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13.5. At least 1 HDMI computer input, 1 USB input, sound input and output pillipsivar 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.  13.7. It must have sound input and at least 2 W power integrated speaker  13.8. It must have zoom and focus features. It must be able to make keystone correction.  13.9. It must have a remote controller.  13.10. Ceiling hanger apparatus and 20 meters HDMI extension cable should be provided.  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.  13.12. The printer shall work smoothly with Projeksiyon cihazı Windows 8 (32/64 bit),	13.4.	Lamp lifetimes At least 4,000 hour	rs and	Projeksiyon cihazının lamba ömrü; en az 4.000			
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be able to make keystone correction.  13.9. It must have a remote controller.  13.10. Ceiling hanger apparatus and 20 meters HDMI extension cable should be provided.  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.  13.12. The printer shall work smoothly with Projeksiyon cihazi Windows 8 (32/64 bit),	13.8.	It must have zoom and focus features	lt must				
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.  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.  13.11. The printer shall work smoothly with Projeksiyon cihazı Windows 8 (32/64 bit),			it illust				
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<ul> <li>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.</li> <li>13.12. The printer shall work smoothly with Projeksiyon cihazi Windows 8 (32/64 bit),</li> </ul>	13.10.		s HDMI				
manufacturing company; it should not be a sub-production, copy, OEM and manucfactured by another projection company.  manufacturing company; it should not be a sub-production, copy, OEM and bir projeksiyon firması tarafından üretilmiş olmayacaktır.  olmayacaktır.  13.12. The printer shall work smoothly with Projeksiyon cihazı Windows 8 (32/64 bit),							
sub-production, copy, OEM and bir projeksiyon firması tarafından üretilmiş olmayacaktır. company.  13.12. The printer shall work smoothly with Projeksiyon cihazı Windows 8 (32/64 bit),	13.11.						
manucfactured by another projection olmayacaktır. company.  13.12. The printer shall work smoothly with Projeksiyon cihazı Windows 8 (32/64 bit),							
company.  13.12. The printer shall work smoothly with <i>Projeksiyon cihazi Windows 8 (32/64 bit)</i> ,							
13.12. The printer shall work smoothly with <i>Projeksiyon cihazı Windows 8 (32/64 bit),</i>		,	jection	olmayacaktır.			
Windows 8 (32/64 bit), Windows 10 (32/64   Windows 10 (32/64 bit) ve MacOS 64 bit	13.12.						
		Windows 8 (32/64 bit), Windows 10	(32/64	Windows 10 (32/64 bit) ve MacOS 64 bit			

	bit) and MacOS 64 bit operating systems and	işletim sistemleri ile sorunsuz çalışacak ve bu
	the drivers for these operating systems must	işletim sistemlerine ait sürücüler, yazıcı
	be given in CD with the item.	yanında cd ortamında verilecektir.
13.13.	The projector should be delivered assembled	Projeksiyon cihazı, montajlı ve tüm bağlantılar
	and all connections made, in working	kurularak, çalışır şekilde, teslim edilecek,
	condition, no additional fee should be	montaj ve bağlantılar için ek bir ücret talep
	requested for assembling and connections.	edilmeyecektir.
13.14.	At least 150 * 150 cm projection screen with	Cihaz ile birlikte en az 150*150 cm ölçülerinde
	front projection feature and tripod foot must	önden yansıtma özellikli, tripod ayaklı
	be provided with the item.	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]	DAP
(Pls. link this to price schedule)	
Exact Address of Delivery/Installation Location	<b>ADANA</b> : Adana İl Tarım ve Orman Müdürlüğü, Köprülü Mahallesi Mithat Özsan Bulvarı No:4 01330 Yüreğir/ADANA
	<b>OSMANİYE</b> : Osmaniye İl Tarım ve Orman Müdürlüğü, Kadirli Yolu Otoban Girişi / OSMANİYE
	<b>MERSİN</b> : Mersin İl Tarım ve Orman Müdürlüğü, Gazi Mah. 1303. Sokak No:13/A 33130 Yenişehir / MERSİN
	<b>KASTAMONU</b> : Kastamonu İl Tarım ve Orman Müdürlüğü, Saraçlar Mahallesi Bayındır Sokak No:2 37820 Merkez/KASTAMONU
	<b>BARTIN</b> : Bartın İl Tarım ve Orman Müdürlüğü, Gölbucağı Mah. 560. Sokak No:10 Merkez/ BARTIN
	<b>SİNOP</b> : 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	<ul> <li>✓ Inspection of goods upon arrival at destination</li> <li>✓ Written Acceptance of Services based on full compliance with ITB requirements</li> </ul>
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	
<ul> <li>Form B: Bidder Information Form</li> </ul>	
<ul> <li>Form C: Joint Venture/Consortium/ Association Information Form</li> </ul>	
<ul> <li>Form D: Qualification Form</li> </ul>	
<ul> <li>Form E: Format of Technical Bid</li> </ul>	
<ul> <li>From G: Form of Bid Security</li> </ul>	
Have you provided the required documents to establish compliance with the evaluation criteria in Section 4?	

Pri	ice	Sc	he	dul	le:
				-	•

<ul><li>Form F: Price Schedule Form</li></ul>	
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### 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?	$\square$ Yes $\square$ No If yes, [insert UGNM vendor number]
Are you a UNDP vendor?	$\square$ Yes $\square$ 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:	<ul> <li>Certificate of Incorporation/ Business Registration</li> <li>Trade name registration papers, if applicable</li> <li>Signature Circular/Power of Attorney</li> <li>Certification or authorization to act as agent / dealer / distributer on behalf of the Manufacturer</li> <li>Export Licenses, if applicable</li> <li>Official Letter of Appointment as local representative, if Bidder is submitting a Bid on behalf of an entity located outside the country</li> </ul>

# Form C: Joint Venture/Consortium/Association Information Form

Name	ne of Bidder: [Insert Name of Bidder]					Date:	Select date		
ITB re	eference: [Insert ITB Reference Number]								
To be	completed and	returned with your	Bid if the Bid	is submi	tted as a Jo	oint Vent	ure/Consortium/ <i>l</i>	Association	n.
No		ner and contact in ers, fax numbers, e-ma		address,	Proposed proportion of responsibilities %) and type of goods and/or services to performed				
1	[Complete]				[Complet	e]			
2	[Complete]				[Complet	e]			
3	[Complete]				[Complet	e]			
(with a Associate every contract when the legal whe	iation during the lent a Contract is a cet execution)  ave attached a cet extructure of and externed intent to ereby confirm to	the JV, Consortium, ITB process and, in	f joint and se e <b>OR</b> is awarded,	ocument everable ال ا all parti	liability of t	the mem um/Asso Joint Ve	bers of the said jociation agreement	oint ventu nt	ure:
	e of partner:				of partner: <sub>-</sub>				
Signa	ture:			Signatu	re:		<del></del>		
Date:				Date:					
Name	e of partner:			Name o	of partner: <sub>-</sub>				
Signa	ture:			Signatu	re:				
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	☐ Contract(s) not performed in the last 3 years					
Year	Non- performed portion of contract	Contract Identification	<b>Total Contract Amount</b> (current value in TRY)			
		Name of Client: Address of Client: Reason(s) for non-performance:				

## **Litigation History** (including pending litigation)

□ No litiga	☐ No litigation history for the last 3 years						
☐ Litigation	n History as indicated	d below					
Year of	Amount in	Contract Identification	<b>Total Contract Amount</b>				
dispute	dispute (in TRY)		(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 Year Year	TRY TRY 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)			
	Infor	mation from Income Stater	nent
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	Bilgisayar işlemcisinin en az 6	
	least 6 MB cache, at least 1.6	MB önbelleğe sahip, en az 1.6	
	GHz, able to reach at least 4.2	GHz, Turbo Boost ile en az 4.2	
	GHz with Turbo Boost, four	Ghz hıza çıkabilir, dört fiziksel	
	physical cores and must be	çekirdeğe sahip ve üreticisi	

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

1.14.	Wireless Mouse with same	Bilgisayar ile birlikte taşıma	
	brand and carrying case shall	çantası ve aynı marka	
	be provided with the	kablosuz mouse teslim	
	•	edilecektir.	
	computer.		
	2. Laptop Computer Type 2	Dizüstü Bilgisayar Tip 2	
2.1.	The processor must have at	Bilgisayar işlemcisinin en az 6	
	The processor must have at	MB önbelleğe sahip, en az 1.6	
	least 6 MB cache, at least 1.6	GHz, Turbo Boost ile en az 4.2	
	GHz, able to reach at least 4.2		
	GHz with Turbo Boost, four	Ghz hıza çıkabilir, dört fiziksel	
		çekirdeğe sahip ve üreticisi	
	physical cores and must be	tarafından Haziran 2019 veya	
	launched by the manufacturer	sonrasında duyurulmuş	
	in June 2019 or later.		
		olmalıdır.	
2.2.	RAM should be at least 8 GB	Bilgisayarda bellek en az 8 GB	
		DDR4 olacak, bellek çalışma	
	DDR4 with minimum 2.133	frekansı en az 2.133 Mhz.	
	Mhz working frequency.	olacaktır.	
2.2	At least 2FC CD CCD A C		
2.3.	At least 256 GB SSD with M.2	En az 256 GB SSD M.2 arayüze	
	interface + 1 TB SATA HDD.	sahip olmalıdır. + 1 TB SATA	
	The computer must have at	HDD olmalıdır. Bilgisayarda	
	·	USB 3.0 ve/veya USB 3.1 girişli	
	least 2 ports with USB 3.0		
	and/or USB 3.1 connections.	en az iki port olacaktır.	
2.4.	· ·	Dilaisayarda on az 1 UDMI	
2.4.	At least 1 HDMI or Display	Bilgisayarda en az 1 HDMI	
	Port support and RJ 45	veya Display port desteği ve RJ	
	connection point (internal or	45 bağlantı noktası (dâhili	
	external).	veya harici) olacaktır.	
2.5.		Bilgisayarda Wireless LAN	
	At least 802.11 AC or 802.11	teknolojisi en az 802.11 AC	
	AX Wireless LAN technology		
		veya 802.11 AX olacaktır.	
2.6.	The screen size should be 15	Bilgisayarda ekran boyutu 15	
	or 15.6 inches.	veya 15,6 inç olacaktır.	
2.7.	The screen resolution should	Ekran Çözünürlüğü en az Full	
	be at least HD 1920 x 1080	HD 1920 x 1080 ve IPS veya	
	and IPS or WVA panel	WVA panel teknolojisine, en az	
	technology, with at least 250		
	<b></b>	250 nits parlaklık değerine	
	nits brightness value.	sahip olmalıdır.	
2.8.	With FreeDos installed or	Bilgisayar işletim sistemsiz	
		olacak veya Free Dos İşletim	
	without an operating system	Sistemi yüklü olacaktır.	
2.9.		Bilgisayarda dâhili kamera,	
2.5.	Integrated camera, speaker		
	and microphone	hoparlör ve mikrofon	
		olacaktır.	
2.10.	Lithium-ion or Lithium	Bilgisayarın pili, lityum iyon	
	polymer structured battery, at	veya lityum polimer yapıda ve	
	least 45 Wh	45 WHr gücünde olacaktır.	
	ICast 43 WII	45 WAL GUCALINE DIUCUKLII.	

2.11.	It must have EnergyStar	Teklif edilen bilgisayarlar,	
	certification. The Energy Star	uluslararası "Energy Star"	
	compatibility of the	sertifikasına sahip olmalıdır.	
	computers should be	Teklif edilen bilgisayarların	
	documented.		
	documented.	"Energy Star" uyumluluğu	
		belgelendirilmelidir.	
2.12.	It must be EPEAT-Registered,	EPEAT-Registered olmalıdır,	
	its class must be at least	sınıfı en az "bronze" olmalıdır.	
	"bronze".		
2.13.	The keyboard shall be in	Bilgisayarın klavyesi Türkçe	
	Turkish.	olacaktır.	
2.14.	Wireless Mouse with same	Bilgisayar ile birlikte taşıma	
	brand and carrying case shall	çantası ve aynı marka	
	be provided with the	kablosuz mouse teslim	
	computer.	edilecektir.	
	3.All in One Desktop	Tümleşik Masaüstü	
	•		
	Computer	Bilgisayar	
3.1.	CPU Passmark value should be	Bilgisayarın CPU Passmark	
	at least 10000. (It could be	değeri en az 10000 olacaktır.	
	found under benchmark menu	(www.passmark.com	
	of www.passmark.com)	sayfasında benchmark	
	or www.passmark.com/	menüsünden bulunabilir).	
3.2.	CDLL value movet he at least 12	Bilgisayarın CPU değeri en az	
	CPU value must be at least 12	12 MB ön belleğe sahip	
	MB cache	olacaktır.	
3.3.		Bilgisayarın işlemcisinin	
	The processor must be	piyasaya çıkış tarihi 2019 yılı	
	launched in 2019 or later.	ve sonrası olacaktır.	
3.4.	The motherboard should be	Teklif edilen bilgisayarın ana	
3.4.	same brand with the	kartı bilgisayar ile aynı marka	
	computer and bios software	ve bios yazılımı sistem üreticisi	
	should be manufactured or		
		tarafından üretilmiş veya	
	developed by the system	geliştirilmiş olacaktır.	
	manufacturer.	= 116 111	
3.5.	Chipset manufacturer shall be	Teklif edilecek yonga seti	
	B360, Q370 or higher	üreticisinin masaüstü	
	enterprise chipset.	bilgisayarlar için B360, Q370	
	enter prise empset.	veya üzeri yonga seti olacaktır.	
3.6.	RAM should be at least 16 GB	Bilgisayarın belleği PC için; en	
	DDR4 with minimum 2.400	az 16 GB DDR4 olacak, bellek	
		çalışma frekansı en az 2.400	
	Mhz working frequency.	Mhz. olacaktır.	
3.7.	The following hardware must	Bilgisayarda en az Gigabit	
	be provided as integrated to	Ethernet, Wi-Fi 802.11	
	•	a/b/g/n, en az Bluetooth 4.0,	
	the computer: at least Gigabit	en az bir usb 3.0 girişi, kulaklık	
	Ethernet, Wi-fi 802.11	girişi, web cam olacak ve bu	
	a/b/g/n, Bluetooth 4.0, at	donanımlar dahili olarak	
		aonamma aamm olarak	

	least 1 USB 3.0, headphone	bulunacaktır.	
	input, web cam.		
2.0	•	Billian and an in the	
3.8.	Integrated graphic card and	Bilgisayarda tümleşik ekran	
	sound card.	kartı ve ses kartı olacaktır.	
3.9.	At least 256 GB SSD Disk and 1	Bilgisayarda en az 256 GB ssd	
	TB Sata Hard Disk	disk ve 1TB Sata Disk	
	IB Sata Halu Disk	bulunacaktır.	
3.10.	At least 23.8 inch screen with	Ekran en az 23,8 inch ve	
	IPS or WVA Full HD	çözünürlüğü IPS veya WVA	
	(1920x1080) resolution.	Full HD (1920 x 1080 )	
	(1920x1080) resolution.	olacaktır.	
3.11.	With FronDag installed	Bilgisayar işletim sistemsiz	
	With FreeDos installed or	olacak veya Free Dos İşletim	
	without an operating system	Sistemi yüklü olacaktır.	
3.12.	Keyboard and mouse must be	Klavye ve fare bilgisayarla aynı	
	same brand with the	marka olacaktır.	
	computer.		
3.13.	It must have EnergyStar	Teklif edilen bilgisayarlar,	
	certification. The Energy Star	uluslararası "Energy Star"	
	compatibility of the	sertifikasına sahip olmalıdır.	
	computers should be	Teklif edilen bilgisayarların	
	documented.	"Energy Star" uyumluluğu	
		belgelendirilmelidir.	
3.14.	It must be EPEAT-Registered,	EPEAT-Registered olmalıdır,	
	its class must be at least	sınıfı en az "bronze" olmalıdır.	
	"bronze".		
3.15.	It must support uppercase and	Bilgisayar büyük ve küçük harf	
	lowercase Turkish character	Türkçe karakter setini	
	set, and it must be explained	destekleyecek, bunu hangi	
	to which standards it	standartlara uyarak sağladığı	
	complies.	açıklanacaktır.	
3.16.	Turkish keyboard	Bilgisayarın klavyesi Türkçe	
		olacaktır.	
	4.Laser Printer (Color) Type	Lazer yazıcı (Renkli) Tip 1	
	1		
4.1.	The printing technology must	Yazıcının baskı teknolojisi lazer	
	be laser.	olacaktır.	
4.2.		Yazıcının yazdırma özelliği	
	Printing method: color	Renkli olacaktır.	
4.3.	Bitt in first	Yazıcının; yazdırma, fotokopi,	
	Print, copy, scan features	tarama özelliği olacaktır.	
4.4.		Yazıcı; A4, A5, B5 ebatlarındaki	
	Print, copy and scan in A4, A5,	kâğıtlara yazım, kopyalama ve	
	B5 sized papers	tarama yapacaktır.	
4.5.	Printing speed in black-white	Yazıcının siyah-beyaz veya	
	or color: at least 27 A4	renkli baskı hızı; dakikada en	
	pages/minute	az 27 adet A4 kâğıt olacaktır	
	P=0=0/acc	all in addition had to be a second	

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

	5.Laser Printer (Color) Type	Lazer yazıcı (Renkli) Tip 2	
5.1.	The printing technology must	Yazıcının baskı teknolojisi lazer	
J.1.	be laser.	olacaktır.	
5.2.	Printing method: color	Yazıcının yazdırma özelliği	
	r mining memod. color	Renkli olacaktır.	
5.3.	Print, copy, scan features	Yazıcının; yazdırma, fotokopi,	
5.4.		tarama özelliği olacaktır. Yazıcı; A3,A4, A5, B5	
3.4.	Print, copy and scan in A3, A4,	ebatlarındaki kâğıtlara yazım,	
	A5, B5 sized papers	kopyalama ve tarama	
		yapacaktır.	
5.5.	Deinting and in block white	Yazıcının siyah-beyaz veya	
	Printing speed in black-white or color: at least 25 A4	renkli baskı hızı; dakikada en	
	pages/minute	az 25 adet A4 kâğıt olacaktır	
	P=0=0,		
5.6.	Print quality: min 600 x 600	Yazıcının baskı kalitesi en az	
	dpi resolution	600X600 dpi çözünürlükte	
5.7.	'	olacaktır.	
5./.	Monthly printing capacity: at	Yazıcının aylık baskı kapasitesi en az 10.000- 75.000 sayfa	
	least 10.000-75.000 pages	olacaktır.	
5.8.	Sequencial copy limits: at least	Yazıcının art arda kopya sayısı	
	1-99 copies	en az 1- 99 kopyaya kadar	
	,	olacaktır.	
5.9.	Scan: at least in PDF and JPG	Yazıcı en az PDF ve JPG	
	formats	formatlarında tarama	
5.10.	ADF scanning feature	yapacaktır. Yazıcı ADF tarama yapacaktır.	
	<u> </u>	, ,	
5.11.	Scan resolution: min 600 x 600	Yazıcının tarama çözünürlüğü	
F 43	dpi	en az 600x600 dpi olacaktır.	
5.12.	Copy speed: at least 25 copies/minute	Yazıcının fotokopi hızı dakikada en az 25 kopya	
	Copies/Illilute	olacaktır.	
5.13.	Copy feature is able to zoom	Yazıcının fotokopi özelliği,	
	in/out image between 25% -	görüntüyü en az % 25 ile %	
	200%	200 oranları arasında büyütme	
		ve küçültme yapabilecektir.	
5.14.	At least 512 MB internal	Yazıcının dâhili hafıza en az	
E 1F	Memory At least 250 pages paper trav	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	Yazıcının otomatik belge	
	feeder must have a capacity of	besleyicisi en az 50 kâğıt	
	at least 50 papers.	olacaktır.	
5.17.	It must be able to connect at	Yazıcı en az USB 2.0 ve ağ	

	least through USB 2.0 and	üzerinden bağlanabilecektir. 3	
	network. 3 m USB cable must	metre USB kablo ürün ile	
	be supplied with the item.	birlikte teslim edilecektir.	
5.18.	The connection interface must	Bağlantı ara birimi en az USB	
	be at least USB 2.0 and	2.0 ve Ethernet hızı	
	Ethernet with speed	10/100/1000 olacaktır.	
	10/100/1000.		
5.19.	Standard printer languages	Yazıcının standart yazıcı dilleri	
	must be PCL5 or PCL6.	PCL5 veya PCL6 olacaktır.	
5.20.	The printer shall work	Yazıcı Windows 8 (32/64 bit),	
3.20.	smoothly with Windows 8	Windows 10 (32/64 bit) ve	
	(32/64 bit), Windows 10	LINUX (32/64 bit), MacOS 64	
	(32/64 bit) and LINUX (32/64	bit işletim sistemleri ile	
	bit), MacOS 64 bit operating	sorunsuz çalışacak ve bu	
	systems and the drivers for	işletim sistemlerine ait	
	l -	-	
	these operating systems must	sürücüler, yazıcı yanında cd ortamında verilecektir.	
	be given in CD with the	ortaminaa verilecektir.	
	printer.		
	6.Laser Printer	Lazer yazıcı (Siyah-Beyaz)	
	(Black&White)		
6.1.	The printing technology must	Yazıcının baskı teknolojisi lazer	
	be laser.	olacaktır.	
6.2.	Drinting mothed black white	Yazıcının yazdırma özelliği	
	Printing method: black-white	siyah-beyaz olacaktır.	
6.3.	Duint annual factors	Yazıcının; yazdırma, fotokopi,	
	Print, copy, scan features	tarama özelliği olacaktır.	
6.4.		Yazıcı; A4, A5, B5 ebatlarındaki	
	Print, copy and scan in A4, A5,	kâğıtlara yazım, kopyalama ve	
	B5 sized papers	tarama yapacaktır.	
6.5.	Printing speed in black-white	Yazıcının siyah-beyaz veya	
0.5.	or color: at least 35 A4	baskı hızı; dakikada en az 35	
	pages/minute	adet A4 kâğıt olacaktır	
6.6.	pages/ illinate	Yazıcının baskı kalitesi en az	
0.0.	Print quality: min 600 x 600	600X600 dpi çözünürlükte	
	dpi resolution	olacaktır.	
6.7.	Monthly printing conscitus at	Yazıcının aylık baskı kapasitesi	
0.7.	Monthly printing capacity: at least 50.000 pages		
6.0	reast 50.000 pages	en az 50.000 sayfa olacaktır.	
6.8.	Sequencial copy limits: at least	Yazıcının art arda kopya sayısı	
	1-99 copies	en az 1-99 kopyaya kadar	
	•	olacaktır.	
6.9.	Scan: at least in PDF and JPG	Yazıcı en az PDF ve JPG	
	formats	formatlarında tarama	
		yapacaktır.	
6.10.	ADF scanning feature	Yazıcı ADF tarama yapacaktır.	
6.11.	Scan resolution: min 600 x 600	Yazıcının tarama çözünürlüğü	
0.11.			
	dpi	en az 600X600 dpi olacaktır.	

	1	T	
6.12.	Copy speed: at least 35	Yazıcının fotokopi hızı	
	copies/minute	dakikada en az 35 kopya	
		olacaktır.	
6.13.	Copy feature is able to zoom	Yazıcının fotokopi özelliği,	
0.13.	in/out image between 25% -	görüntüyü % 25 ile % 200	
	_	-	
	200%	oranları arasında büyütme ve	
		küçültme yapabilecektir.	
6.14.	At least 512 MB internal	Yazıcının dâhili hafıza en az	
	memory	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	Yazıcının otomatik belge	
0.10.			
	feeder must have a capacity of	besleyicisi en az 50 kâğıt	
	at least 50 papers.	olacaktır.	
6.17.	It must be able to connect at	Yazıcı en az USB 2.0 ve ağ	
	least through USB 2.0 and	üzerinden bağlanabilecektir. 3	
	network. 3 m USB cable must	metre USB kablo ürün ile	
	be supplied with the item.	birlikte teslim edilecektir.	
6.18.	The connection interface must	Bağlantı ara birimi en az USB	
0.20.	be at least USB 2.0 and	2.0 ve Ethernet hızı	
		10/100/1000 olacaktır.	
	' ·	10/100/1000 OldCaktil.	
	10/100/1000.		
6.19.	Standard printer languages	Yazıcının standart yazıcı dilleri	
	must be PCL5 or PCL6.	PCL5 veya PCL6 olacaktır.	
6.20.	The printer shall work	Yazıcı Windows 8 (32/64 bit),	
	smoothly with Windows 8	Windows 10 (32/64 bit) ve	
	(32/64 bit), Windows 10	LINUX (32/64 bit), MacOS 64	
	(32/64 bit) and LINUX (32/64	bit işletim sistemleri ile	
	bit), MacOS 64 bit operating	sorunsuz çalışacak ve bu	
	systems and the drivers for	işletim sistemlerine ait	
	· ·		
	these operating systems must	sürücüler, yazıcı yanında cd	
	be given in CD with the	ortamında verilecektir.	
	printer.		
	7. Dot Matrix Printer	Nokta vuruşlu (dot matrix)	
		yazıcı	
7.1.	Printing width: min 80	Yazıcı en az 80 kolon	
7.1.	columns	genişliğinde baskı yapacaktır.	
7.2		i	
7.2.	Printing speed: At least 415	Yazıcı 10 cpi taslak modda	
	cps in 10 cpi draft mode or	veya fast draft modda en az	
	fast draft mode	415 cps hızında yazacaktır.	
7.3.	Number of head needles: min	Yazıcının kafa iğne sayısı en az	
		18 olacak ve yazıcı kafası	
	18	garantiye dâhil olacaktır.	
7.4.	The printer must have a	Yazıcı paralel port, USB 2.0	
′	parallel port, a USB 2.0 port.	portuna sahip olacaktır.	
7.5			
7.5.	Buffer: min 128 KB and shall	En az 128 KB ara belleğe	
	support at least 240x144 dpi	(buffer) sahip olacak ve en az	
	resolution.	240 X 144 dpi çözünürlüğü	

		doctoldovocalitie	
		destekleyecektir.	
7.6.	Noise level: max. 57 dBA	Yazıcının gürültü seviyesi en	
		fazla 57 dBA olacaktır.	
7.7.	The printer must support at	Yazıcı en az dört yazı fontunu	
	least four fonts.	destekleyecektir.	
7.8.	The lifetime of the tape should	Yazıcıda kullanılan şerit ömrü	
	be at least 4.000.000	en az 4.000.000 (dört milyon	
	characters (Four million or	veya üzeri) karakter olacaktır.	
	higher).		
7.9.	The lifetime of the printer	Yazıcı kafa ömrü en az	
7.3.	head should be at least	300.000.000 (üç yüz milyon)	
	300.000.000 characters (Three	veya üzeri karakter olacaktır.	
	•	veya azeri karakter olacaktir.	
7.40	hundred million or higher).	147 - 1	
7.10.	Drivers for Windows should be	Windows sürücüleri bulunacak	
	presented and it will be able	ve ilgili işletim sistemi	
	to print in Turkish in the	uygulamalarında Türkçe	
	related operating systems.	yazacaktır.	
7.11.	Paper size: A4, continuous	Yazıcıda A4, sürekli form ve	
	form, intermittent form (must	kesik form kullanılabilecek, en	
	print min 1 original 5 copies).	az 1 asıl 5 nüsha kopya baskı	
		yapabilecektir.	
7.12.	A number of spare original	Cihazlarla beraber orijinal	
	tape must be provided with	yazıcı şeridi dışında	
	the item, that can print	20.000.000 (yirmi milyon)	
	20,000,000 (twenty million)	karakter baskı yapacak sayıda	
	characters of print, other than	yedek orijinal şerit verilecektir.	
	the original printer tape.	yeack original gene verneceken.	
7.13.	Drivers, connection cables and	Yazıcı ile sürücü driverleri,	
7.13.	booklets shall be given.	bağlantı kabloları ve	
	bookiets silali be giveli.		
744	Thougaball has a studiolitic account	kitapçıkları verilecektir.	
7.14.	There shall be a straight paper	Yazıcıda düz kâğıt yolu ve	
	path and a standard push	standart itmeli traktör	
	tractor.	bulunacaktır.	
7.15.	The printer shall work	Yazıcı Windows 8 (32/64 bit)	
	smoothly with Windows 8	ve Windows 10 (32/64 bit)	
	(32/64 bit) and Windows 10	işletim sistemleri ile sorunsuz	
	(32/64 bit) operating systems	çalışacak ve bu işletim	
	and the drivers for these	sistemlerine ait sürücüler,	
	operating systems must be	yazıcı yanında cd ortamında	
	given in a CD with the printer.	verilecektir.	
1	8.Video Camera	Video Kamera	
8.1.	Number of effective pixels:	Efektif piksel sayısı: min 14.2M	
	min 14.2M pixel (16:9)	pixel (16:9)	
8.2.	Lens: fixed lens capable of 12x	Lens: 12x optik zoom	
0.2.	optical zoom	özelliğinde sabit lens	
8.3.	24x image zoom technology	24x görüntü yaklaştırma	
0.5.	24x image zoom technology	, ,	
		teknolojisi	

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.  (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.				
XAVC S (4K and HD): MPEG4- AVC/H264 AVC/H264 AVC/H264 AVC/H264 AVC/H264 AVC/H264 AVC/H264 AVC/H264 AVC/H264 AVC/H264 AVC/H264 AVCHD 2.0 medium format compatible and DV formats must be supported.  8.5. Recording rate: 3840x2160 25p, 100Mbps/60Mbps in 4K format  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.  8.7. The camera must have a builtin ND filter at a rate of 1/4ND, 1/6AND.  8.8. Indoor and outdoor color temperature adjustment must be able to be made with the camera.  8.9. The camera must have HDMI, Composite Video (BNC Type) video output, Lanc Control input for lens remote.  8.10. The camera must have 4 DIMI, Composite Video (BNC Type) video output, RCA audio output, Lanc Control input for lens remote.  8.10. The camera must have 2 pcs of 3-pin XLR audio inputs.  8.11. The camera must have a 3"LCD screen.  8.12. The device box must contain a charger, battery, adapter, connection cables, user manual and warranty certificate.  8.13. There must be 2 (two) min. 64 GB 1000x memory cards that dode in the compatible output sade on the control of	8.4.	Camera recording format:	Kamera kayıt formatı: XAVC S	
AVCHD: MPEG-4 AVCH-264 AVCHD: MPEG-4 AVCHD: MPEG-4 AVCHD: MPEG-4 AVCHD-2.0 medium format compatible and DV formats must be supported.  8.5. Recording rate: 3840x2160 25p, 100Mbps/60Mbps in 4K 25p, 100Mbps/60Mbps in 25p, 100Mbps/60Mbps in 25p, 100Mbps/60Mbps in 25p, 100Mbps/60Mb		XAVC S (4K and HD): MPEG4-		
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output, Lanc Control input for lens remote.  8.10. The camera must have 2 pcs of 3-pin XLR audio inputs.  8.11. The camera must have a 3"LCD screen.  8.12. The device box must contain a charger, battery, adapter, connection cables, user manual and warranty certificate.  8.13. There must be 2 (two) min. 64 GB 1000x memory cards that				
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of 3-pin XLR audio inputs.  8.11. The camera must have a 3"LCD screen.  8.12. The device box must contain a charger, battery, adapter, connection cables, user manual and warranty certificate.  8.13. There must be 2 (two) min. 64 GB 1000x memory cards that session of the sessi	0.10			
8.11. The camera must have a 3"LCD screen.  8.12. The device box must contain a charger, battery, adapter, connection cables, user manual and warranty certificate.  8.13. There must be 2 (two) min. 64 GB 1000x memory cards that	8.10.	•	•	
3"LCD screen.  8.12. The device box must contain a charger, battery, adapter, connection cables, user manual and warranty certificate.  8.13. There must be 2 (two) min. 64 GB 1000x memory cards that	0.44	·		
8.12. The device box must contain a charger, battery, adapter, connection cables, user manual and warranty certificate.  8.13. There must be 2 (two) min. 64 GB 1000x memory cards that	8.11.			
charger, battery, adapter, connection cables, user manual and warranty certificate.  8.13. There must be 2 (two) min. 64 GB 1000x memory cards that battarya, Adaptör, bağlantı kabloları, kullanım kılavuzu ve garanti belgesi bulunmalıdır.  Cihaza uyum sağlayan 2 (iki) adet en az 64 GB 1000x hafıza	0.40			
connection cables, user manual and warranty certificate.  8.13. There must be 2 (two) min. 64 GB 1000x memory cards that manual and warranty connection warranty garanti belgesi bulunmalıdır.  Cihaza uyum sağlayan 2 (iki) adet en az 64 GB 1000x hafıza	8.12.			
manual and warranty garanti belgesi bulunmalıdır. certificate.  8.13. There must be 2 (two) min. 64 GB 1000x memory cards that adet en az 64 GB 1000x hafıza				
certificate.  8.13. There must be 2 (two) min. 64 Cihaza uyum sağlayan 2 (iki) GB 1000x memory cards that adet en az 64 GB 1000x hafıza		·-	•	
8.13. There must be 2 (two) min. 64 GB 1000x memory cards that  Cihaza uyum sağlayan 2 (iki) adet en az 64 GB 1000x hafıza		•	garanti belgesi bulunmalidir.	
GB 1000x memory cards that adet en az 64 GB 1000x hafiza	0.10			
	8.13.			
I is compatible with the device.   karti olmalidir.		· · · · · · · · · · · · · · · · · · ·	_	
·		•		
· · · · · · · · · · · · · · · · · · ·	8.14.	•		
battery (battery) for the yedek pil (batarya) olmalıdır.		, , , , , , , , , , , , , , , , , , , ,	yedek pil (batarya) olmalıdır.	
device.				
	8.15.		•	
must be a waterproof carrying Cihaza Uyum Sağlayan Su		, , ,		
case that is compatible with geçirmez özellikte taşıma		-		
the device and a Tripod <i>çantası ve Kamera ile uyumlu</i>		•		
compatible with the Camera.  Tripod olmalıdır.		compatible with the Camera.	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	
9.7.	It must have at least 3 " LCD	verilmelidir. 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	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	
	charge the devices and the	edebilmeli ve gerekli kablolar	

	necessary cables and	ve dönüştürücülere paket	
	converters must be included	içerisinde yer almalıdır.	
		To the second of	
<u> </u>	in the package.		
10.7.	It must be ISO 9001: 2008 and	ISO 9001:2008 ve CE Sertifikalı	
	CE Certified.	olmalıdır.	
10.8.	There must be a LED display	Üzerinde pil durumunu	
10.6.		•	
	showing the battery status on	gösteren LED ekran	
	it.	bulunmalıdır.	
	11.Hand Held GPS	El Tipi GPS	
· ·	11.Hallu Helu GF3	Li Tipi GF3	
11.1.	It must be waterproof and	Su geçirmez özellikte ve IPX7	
	IPX7 coded.	kodlu olmalıdır.	
44.3			
11.2.	It must have electronic	Elektronik pusulası olmalıdır.	
	compass.		
11.3.	It must have a basic map and	Temel haritası olmalı ve cihaza	
	be able to add maps to the	harita eklenebilmelidir.	
	•	nuntu ekienebiimenun.	
	device.		
11.4.	Sun, moon details must be	Güneş, ay bilgisi bulunmalıdır.	
	available.		
11 5		Davaga atvila altimatus ai almada	
11.5.	It must have barometric	Barometrik altimetresi olmalı,	
	altimeter and must be able to	alan hesaplaması	
	calculate area.	yapabilmelidir.	
11.6.	Screen size must be at least	Ekran boyutu en az 3"	
11.0.		olmalıdır.	
	3".		
11.7.	The screen must be TFT-	Ekranı TFT özellikli ve	
	compatible and touchscreen.	dokunmatik olmalıdır.	
11.8.	The display resolution shall be	Ekran çözünürlüğü en az	
11.0.			
	at least 240x400 pixels.	240x400 piksel olmalıdır.	
11.9.	It must have an internal	Dâhili hafızası ve dahili	
	memory and an internal	kamerası bulunmalıdır.	
	camera.		
44.40		5:: 1 1::	
11.10.	It must have unit-to-unit	Birimden birime transfer	
	transfer feature.	özelliği bulunmalıdır.	
11.11.	It must have at least 815 MB	Dâhili en az 815 MB kapasitesi	
	of internal capacity and the	bulunmalı ve hafıza	
	memory must be expandable.	arttırılabilir özellikte olmalıdır.	
	The device must support	Cihaz Micro SD özellikli hafıza	
	Micro SD memory cards.	kartlarını desteklemelidir.	
11.12.	,	Cihaz şarj edilebilir özellikte	
11.12.		olmalıdır. Pil ömrü en az 16	
	rechargeable. Battery life		
	must be at least 16 hours.	saat olmalıdır. Pil teknolojisi	
	Battery technology must be	Nİ-MH özellikte olmalıdır.	
	Ni-MH.		
		Lorent Adatus	
	12.Laser Meter	Lazer Metre	
12.1.	The laser measurement	Lazer ölçüm mesafesi dış	
	distance must be suitable for	mekan için uyumlu ve en az	

	outdoors and the minimum	ölçüm aralığı 0,05-100 m	
	measurement range must be	olmalıdır.	
	0.05-100 m.		
12.2		Öleiine eistenei neetuile	
12.2.	The measuring system must	Ölçüm sistemi metrik	
	be metric.	olmalıdır.	
12.3.	Dust and spray water	Toz ve püskürme suyu	
	protection must be IP 54.	koruması IP 54 olmalıdır.	
12.4.	It must have length, area and	Uzunluk, alan ve hacim ölçüm	
	volume measurement	fonksiyonu olmalıdır	
	function.		
12.5.		Larama atra va tiina	
12.5.	Laser meter and all	Lazermetre ve tüm	
	accessories must have CE	aksesuarlarının CE belgesi	
	certificate.	olmalıdır.	
12.6.	Protection bag, carrying bag, 4	Koruma çantası, taşıma	
12.0.			
	batteries must be delivered as	çantası, 4 adet pili komple	
	a complete set.	takım olarak teslim edilmelidir.	
	13.Projector and Projection	Projektör ve Projeksiyon	
	•		
	Screen	Perdesi	
13.1.	Light power: At least 2300	Projeksiyon cihazının ışık gücü;	
	• •	en az 3200 ANSI lümen	
	ANSI lumen	olacaktır.	
42.2			
13.2.	Real resolution: At least	Projeksiyon cihazının gerçek	
		çözünürlüğü; en az 1024x768	
	1024x768 (XGA) and able to	(XGA) olacak ve cihaz 1080P;	
	compact up to 1080P;	(1920X1080) 60 Hz en yüksek	
	(1920X1080) 60 Hz highest		
	resolution	çözünürlüğe kadar sıkıştırma	
		yapacaktır.	
13.3.		Projeksiyon cihazının gösterim	
	Projection technology: DLP,	teknolojisi DLP, LCD veya LED	
	LCD or LED		
		olacaktır.	
13.4.	Lamp lifetime: At least 4,000	Projeksiyon cihazının lamba	
	•	ömrü; en az 4.000 saat ve	
	hours and contrast ratio: at	kontrast oranı en az 15.000:1	
	least 15,000:1		
		olacaktır.	
13.5.		Projeksiyon cihazında en az; 1	
	At least 1 HDMI computer	adet HDMI bilgisayar girişi, bir	
	input, 1 USB input, sound	adet USB girişi olacak, ses	
	input and output	girişi ve çıkışını	
	mpat and output		
		destekleyecektir.	
13.6.	Video signalling system should	Projeksiyon cihazının video	
	be compatible with with PAL	sinyal sistemi PAL uyumlu ve	
	and video compatibility must	video uyumluluğu NTSC, PAL,	
	•	,	
	be in line with NTNSC, PAC,	SECAM olacaktır.	
	SECAM.		
13.7.	It must have sound input and	Projeksiyon cihazının ses girişi	
	•		
	at least 2 W power integrated	ve en az 2 W gücünde dâhili	
	speaker	hoparlörü olacaktır.	

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

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

Other Related services and requirements	Compliance with requirements		Details or comments on the related requirements
(based on the information provided in Section 5b)	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 Digital Camera // Fotograf Makinesi		1 piece // 1 adet 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 Q Toplam kesin ve her şey dahil fiyat		

Name of Bidder:	
Authorised signature:	
Name of authorised signatory:	
Functional Title:	

## FORM G: Form of Bid Security

Bid Security must be issued using the official letterhead of the Issuing Bank. Except for indicated fields, no changes may be made on this template.

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:		
N.1		
Title:		
Date:		
Name of Bank		
Address		
	[Stamp with official stamp of the Bank]	

[insert: address and email address]