CLARIFICATION No: 1

to the TENDER DOSSIER

Publication Ref: SIHHAT/2018/SUP/INT/10

Subject: Supply of Medical Equipment for the Secondary Healthcare Premises

Location –Europe (non EU/Turkey)

The following clarifiction is made to the tender dossier.

CONTRACT NOTICE	
Question 1:	*Article 15. Period of implementation of tasks* If the implementation period may be extended to 180 days from 90 days considering the fact that the supplies are to be producted upon order?
Answer 1:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 2:	The paragraph in the document page 5 says; "2) Professional capacity of tenderer (based on i.a. items 4 and 5 of the Tender Form for a Supply Contract). The reference period, which will be taken into account will be the last 5 years from submission deadline." But, the table in the document "c4l_tender form_en" designed for the last 3 years. Do we extend "STAFF RESOURCES" table to 5 years?
Answer 2:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 3:	Article 15 of Contract Notice; May the item revised as: "The implementation period for the contract will last **180 calendar days**, starting from the commencement date of the Contract and ending on the day of issuance of the certificate of Provisional Acceptance. The implementation period will include delivery, installation, training and Provisional Acceptance."
Answer 3:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 4:	Article 15 of Contract Notice; May the item revised as: "The implementation period for the contract will last **150** calendar days, starting from the commencement date of the Contract and ending on the day of issuance of the certificate of Provisional Acceptance. The implementation period will include delivery, installation, training and Provisional Acceptance" 90 days of delivery term for 70 unit of C-arm will not be enough after the contract. Because, collecting the components of device and production will be around 60 days for the manufacturers of device and supplier of device. Calibrations and special tetst are done for medical devices which products x-ray, like these devices after they are produced for human health. So, there need length of time for every each produced device for production, calibration and tests. Also devices which their production are done, to make their transportation there need healthfull time also for make their packaging. Even transportation time to Turkey of finished product (device) takes 5-6 calendar date. Costom processes, TAREKS applying, local transportation of

	devices will take almost 70 days. When taking into considerations of delivery of devices to hospitals, meeting up of examination committees and examinations of device and /or devices in the hospitals, we request 90 days of delivery term to be changed to 150 days. Otherwise, all processes that will be done inside of 90 days will be such as to open to every negative quality.
Answer 4:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 5:	Article 15 of Contract Notice; It says that 95 Mobile Digital X-Ray Instruments must be delivered to the relevant places within 90 days. 95 Piece Portable within 90 days in terms of production capacity and volume in Turkey as the only domestic manufacturer of digital X-ray equipment production and delivery is not possible. This delivery period, which means an average of 1,5 devices per day according to the current desired delivery time conditions, is physically and technically not possible but also an obstacle to competition. If this item is changed as follows, medium and high-end devices and LOCAL MANUFACTURER will be able to offer our company on equal terms. Change We Demand *"**For 14. Lot 95 Digital Mobile X-ray Device Delivery Time is determined as 160 days**"*
Answer 5:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 6:	Article 15 of Contract Notice; May the item revised as: "***14. Lot for 95 Digital Mobile X-ray Device Delivery Time is determined as 160 days*** " It is not possible to produce and deliver 95 mobile digital x-ray devices within 90 days.
Answer 6:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 7:	Article 15 of Contract Notice; May the item revised as: ***" 95 Digital Mobile X-ray Device Delivery Time is 155 days."*** It is impossible to prepare and deliver the demanded number of devices in 90 days.
Answer 7:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 8:	Article 15 of Contract Notice; May the item revised as: "***14. Lot - 95 Pieces of Mobile Digital X-ray Device Delivery Time is determined as 165 days "*** The implementation period will include delivery, installation, training and Provisional Acceptance, and the 90 day annuity must be changed. Because it is not possible to deliver 95 Digital Mobile X-ray devices within 90 days. This item is a competitive inhibition material.
Answer 8:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 9:	Article 15 of Contract Notice; After signing contract, starting to manufacture of 13 unit DR Mammography takes min.60 days. At that point balance of 30 calendar days will not be enough for training, installation, internal delivery..etc. For example as it is a very specialized unit only training per device will take min.3 days. At that point we want the article to be changed as "*The implementation period for the contract will last **120 calendar days**, starting from the commencement date of the Contract and ending on the day of issuance of the certificate of Provisional Acceptance. The implementation period will include delivery, installation, training and Provisional Acceptance*".
Answer 9:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 10:	The number of the items we are intended to offer within the scope of the tender in question is too many. None of the products included in any item we are intended to

	make offer is available products. As all of them will be produced upon order and it is not possible to deliver the devices within the specified time considering the production, logistics, customs, transportation and in particular delivery, acceptance and examination as well as the time to be spent for training, we request amendment for the text of the article and extend the implementation period for the contract to **150 calendar days**, starting from the commencement date of the Contract and ending on the day of issuance of the certificate of Provisional Acceptance.The implementation period will include delivery, installation, training and Provisional Acceptance.
Answer 10:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 11:	8. Eligibility and rules of origin Participation is open to all natural persons who are nationals of and legal persons (participating either individually or in a grouping - consortium – of tenderers) which are effectively established in a Member State of the European Union or in a eligible country or territory as defined under the Regulation (EU) N°236/2014 establishing common rules and procedures for the implementation of the Union's instruments for external action (CIR) for the applicable Instrument under which the contract is financed (see also heading 22 below). Participation is also open to international organisations. All supplies under this contract must originate in one or more of these countries. Based on this requirement, we would like to clarify that Whether can we participate your project with Acutronic Neonatal Ventilator Systems or not as a producer of Switzerland Company?
Answer 11:	Switzerland is not an eligible country for the purpose of this tender. The countries corresponding to the rules on nationality and origin are listed in Annex A2a to the PRAG.
ANNEX-I GENERAL CONDITIONS	
Question 12:	May the article revised as “Article 9.4. Unless the Contractor does not breach any confidentiality obligations to the third parties, shall supply, without delay, any information and documents to the Contracting Authority and the European Commission upon request, regarding the conditions in which the contract is being executed.”?
Answer 12:	Annex-I General Conditions is a template document and does not subject to any modifiations. Therefore, this article will remain unchanged.
Question 13:	May the article revised as, “Article 9.5. The Contractor shall respect and abide by all laws and regulations in force in the country where the supplies are to be delivered and shall ensure that its personnel, their dependants, and its local employees also respect and abide by all such laws and regulations. The Contractor shall indemnify the Contracting Authority against any claims and proceedings arising from any fault of the Contractor, its employees and their dependants of such laws and regulations.”?
Answer 13:	Annex-I General Conditions is a template document and does not subject to any modifiations. Therefore, this article will remain unchanged.
Question 14:	May the article revised as “Article 9.6 Should any unforeseen event, action or omission directly or indirectly hamper performance of the Contract, either partially or totally, the Contractor shall immediately and at its own initiative record it and report it to the Contracting Authority. The report shall include a description of the problem and an indication of the date on which it started and of the remedial action taken by the Contractor to ensure full compliance with its obligations under the

	contract. In such event the Contractor shall give best effortfor solving the problem rather than determining liability.”?
Answer 14:	Annex-I General Conditions is a template document and does not subject to any modifiations. Therefore, this article will remain unchanged.
Question 15:	May the article revised as “Article 11.5 During the execution of the Contract, if the natural or legal person providing the guarantee is not able to abide by its commitments, the guarantee shall cease to be valid. The Contracting Authority shall give formal notice to the Contractor to provide a new guarantee on the same terms as the previous one. Should the Contractor fail to provide a new guarantee within the 7 working days period after the notification by the Contractor Authority, the Contracting Authority may terminate the contract.”?
Answer 15:	Annex-I General Conditions is a template document and does not subject to any modifiations. Therefore, this article will remain unchanged.
Question 16:	Article 20.3 Within 30 days from the receipt of the Contractor's detailed particulars of the request, the Project Manager shall in agreement with the Contracting Authority and the Contractor, grant such extension of the period of implementation of the tasks as may be justified, either prospectively or retrospectively.
Answer 16:	Annex-I General Conditions is a template document and does not subject to any modifiations. Therefore, this article will remain unchanged.
Qustion 17:	May the article revised as “Article 21 - Delays in implementation of the tasks 21.1.If the Contractor fails to deliver any or all of the goods or perform the services within the period of implementation of the tasks specified in the Contract, the Contracting Authority shall, without formal notice and without prejudice to its other remedies under the Contract, be entitled to liquidated damages for every day, or part thereof, which shall elapse between the end of the period of implementation of the tasks, or extended period of implementation of the tasks under article 20, and the actual date of completion.The daily rate of liquidated damages is 1/1000 of the value of the undelivered supplies to a maximum of 3% of the total contract price. 21.2.If the non-delivery of any of the goods prevents the normal use of the supplies as a whole, the liquidated damages provided for in Article 21.1 shall be calculated on the basis of the total contract price. 21.3.If the Contracting Authority has become entitled to claim at least 3% of the total contract price it may, after giving notice to the Contractor: - seize the performance guarantee; and/or - terminate the Contract, - enter into a contract with a third party for the provision of the balance of the supplies at the Contractor's cost.” Rationale: The margins of the companies in the competition are low, and as these ratios are required to be kept low, we request amendment as specified above.
Answer 17:	Annex-I General Conditions is a template document and does not subject to any modifiations. Therefore, this article will remain unchanged.
Question 18:	May the article revised as: “21.1. If the Contractor fails to deliver any or all of the goods or perform the services within the period of implementation of the tasks specified in the Contract, the Contracting Authority shall, without formal notice and without prejudice to its other

	remedies under the Contract, be entitled to liquidated damages for every day, or part thereof, which shall elapse between the end of the period of implementation of the tasks, or extended period of implementation of the tasks under article 20, and the actual date of completion. The daily rate of liquidated damages is 5/1000 of the value of the undelivered supplies to a maximum of 10% of the total contract price. 21.2. If the non-delivery of any of the goods prevents the normal use of the supplies as a whole, the liquidated damages provided for in Article 21.1 shall be calculated on the basis of the total contract price. 21.3. If the Contracting Authority has become entitled to claim at least 10% of the total contract price it may, after giving notice to the Contractor: - seize the performance guarantee; and/or - terminate the Contract, Liquidated Damages stipulated under this article shall be sole and exclusive remedy of the Contractor Authority resulting from the delay.”
Answer 18:	Annex-I General Conditions is a template document and does not subject to any modifiations. Therefore, this article will remain unchanged.
Question 19:	May the article revised as “Article 22 - Amendments 22.1. Contract amendments must be formalised by a contract addendum signed by both partiesor by an administrative order issued by the Project Manager or the Contracting Authority. Substantial amendments to the contract, including amendments to the total contract price, must be made by means of an addendum signed by both parties. Any contractual amendments must respect the general principles defined in the Practical Guide. 22.2. Subject to the limits of the procedure thresholds set in the Practical Guide, the Contracting Authority reserves the right to vary by an administrative order the quantities per lot or per item by +/- 25 at the time of contracting and during the validity of the Contract. The total value of the supplies may not rise or fall as a result of the variation by more than 25% of the tender price. The unit prices quoted in the tender shall be applicable to the quantities procured under the variation.”?
Answer 19:	Annex-I General Conditions is a template document and does not subject to any modifiations. Therefore, this article will remain unchanged.
Question 20:	May the article revised as: “23.4. Additional expenses incurred in connection with such protective measures shall be added to the total contract price, unless: a) otherwise provided for in the contract; or b) such suspension is necessary by reason of some breach or default of the Contractor; or c) such suspension is necessary by reason of normal climatic conditions at the place of acceptance; or d) such suspension is necessary for the safety or the proper execution of the contract or any part thereof insofar as such necessity does not arise from any act or default by the Project Manager or the Contracting Authority or e) the presumed substantial errors or irregularities or fraud mentioned in article 23.2 are confirmed and attributable to the Contractor.”?
Answer 20:	Annex-I General Conditions is a template document and does not subject to any modifiations. Therefore, this article will remain unchanged.
Question 21:	May the article revised as:

	23.6. The Contracting Authority and the Contractor, shall determine such additions to the total contract price and/or extension of the period of performance to be granted to the Contractor in respect of such claim as shall, by the agreement of the parties.
Answer 21:	Annex-I General Conditions is a template document and does not subject to any modifiations. Therefore, this article will remain unchanged.
Question 22:	May the article revised as: 23.7. The Contracting Authority shall, as soon as possible, order the Contractor to resume the contract suspended or inform the Contractor that it terminates the contract. If the period of suspension exceeds 60 days and the suspension is not due to the Contractor's breach or default, the Contractor may, by notice to the Contracting Authority, request to proceed with the contract within 30 days, or terminate the contract.
Answer 22:	Annex-I General Conditions is a template document and does not subject to any modifiations. Therefore, this article will remain unchanged.
Question 23:	May the article Current article 26.12 removed from the general conditions? 26.12. Prior to, or instead of, terminating the contract as provided for in Article 36, the Contracting Authority may suspend payments as a precautionary measure without prior notice.
Answer 23:	Annex-I General Conditions is a template document and does not subject to any modifiations. Therefore, this article will remain in the document.
Question 24:	May the following articles revised as: "32.1. The Contractor shall warrant that the supplies are new, unused, of the most recent models and incorporate all recent improvements in design and materials, unless otherwise provided in the contract. The Contractor shall further warrant that all supplies shall have no defect arising from design, materials or workmanship, except insofar as the design or materials are required by the specifications, or from any act or omission, that may develop under use of the supplies in the conditions obtaining in the country of the Contracting Authority. 32.2. The Contractor shall be responsible for making good any defect in, or damage to, any part of the supplies which may appear or occur during the warranty period and which: a) results from the use of defective materials by Contractor's technical services, faulty workmanship or design of the Contractor; and/or b) results from any act or omission of the Contractor during the warranty period; and/or c) appears in the course of an inspection made by, or on behalf of, the Contracting Authority. 32.3. The Contractor shall at its own cost make good the defect or damage as soon as practicable. The warranty period for all items replaced or repaired shall recommence from the date when the replacement or repair was made to the satisfaction of the Project Manager. If the contract provides for partial acceptance, the warranty period shall be extended only for the part of the supplies affected by the replacement or repair. 32.4. If any such defect appears or such damage occurs during the warranty period, the Contracting Authority or the Project Manager shall notify the Contractor. If the Contractor fails to remedy a defect or damage within the time limit stipulated in the notification, the Contracting Authority may: a) remedy the defect or the damage itself, or employ someone else to carry out the tasks at the Contractor's risk and cost, in which case the costs incurred by the

	Contracting Authority shall be deducted from monies due to or from guarantees held against the Contractor or from both; or b) terminate the contract. 32.5. In case of emergency, where the Contractor cannot be reached immediately or, having been reached, is unable to take the measures required, the Contracting Authority or the Project Manager may have the tasks carried out at the expense of the Contractor. The Contracting Authority or the Project Manager shall as soon as practicable inform the Contractor of the action taken. 32.6. The warranty obligations shall be stipulated in the Special Conditions and technical specifications. 32.7. Save where otherwise provided in the Special Conditions, the duration of the warranty period shall be 2 years. The warranty period shall commence on the date of provisional acceptance and may recommence in accordance with Article 32.3."?
Answer 24:	Annex-I General Conditions is a template document and does not subject to any modifiations. Therefore, this article will remain unchanged.
Question 25:	May the articles revised as following: **"Article 32 - Warranty obligations** 32.1. The Contractor shall warrant that the supplies are new, unused, of the most recent models and incorporate all recent improvements in design and materials, unless otherwise provided in the contract. The Contractor shall further warrant that all supplies shall have no defect arising from design, materials or workmanship, except insofar as the design or materials are required by the specifications, or from any act or omission, that may develop under use of the supplies in the conditions obtaining in the country of the Contracting Authority. 32.2. The Contractor shall be responsible for making good any defect in, or damage to, any part of the supplies which may appear or occur during the warranty period and which: a) results from the use of defective materials **by Contractor's technical services**, faulty workmanship or design of the Contractor; and/or b) results from any act or omission of the Contractor during the warranty period; and/or c) appears in the course of an inspection made by, or on behalf of, the Contracting Authority. 32.3. The Contractor shall at its own cost make good the defect or damage as soon as practicable. The warranty period for all items replaced or repaired shall recommence from the date when the replacement or repair was made to the satisfaction of the Project Manager. If the contract provides for partial acceptance, the warranty period shall be extended only for the part of the supplies affected by the replacement or repair. 32.4. If any such defect appears or such damage occurs during the warranty period, the Contracting Authority or the Project Manager shall notify the Contractor. If the Contractor fails to remedy a defect or damage within the time limit stipulated in the notification, the Contracting Authority may: a) remedy the defect or the damage itself, or employ someone else to carry out the tasks at the Contractor's risk and cost, in which case the costs incurred by the Contracting Authority shall be deducted from monies due to or from guarantees held against the Contractor or from both; or b) terminate the contract. 32.5. In case of emergency, where the Contractor cannot be reached immediately or, having been reached, is unable to take the measures required, the Contracting Authority or the Project Manager may have the tasks carried out at the expense of the Contractor. The Contracting Authority or the Project Manager shall as soon as practicable inform the Contractor of the action taken.

	32.6. The warranty obligations shall be stipulated in the Special Conditions and technical specifications. 32.7. Save where otherwise provided in the Special Conditions, the duration of the warranty period shall be **2 years**. The warranty period shall commence on the date of provisional acceptance and may recommence in accordance with Article 32.3."?
Answer 25:	Annex-I General Conditions is a template document and does not subject to any modifiations. Therefore, this article will remain unchanged.
Question 26:	May the item revised as: **"Article 34 - Final acceptance** 34.1. Upon expiry of the warranty period, or where there is more than one such period, upon expiry of the latest period, and when all defects or damage have been rectified, the Project Manager shall issue the Contractor a final acceptance certificate and a copy thereof to the Contracting Authority, stating the date on which the Contractor completed its obligations under the contract to the Project Manager's satisfaction. The final acceptance certificate shall be issued by the Project Manager **by the end** of the warranty period or as soon as any repairs ordered under Article 32 have been completed to the satisfaction of the Project Manager. 34.2. The contract shall not be considered to have been performed in full until the final acceptance certificate has been signed or is deemed to have been signed by the Project Manager. 34.3. Notwithstanding the issue of the final acceptance certificate, the Contractor and the Contracting Authority shall remain liable for the fulfilment of any obligation incurred under the contract prior to the issue of the final acceptance certificate which remains unperformed at the time that final acceptance certificate is issued. The nature and extent of any such obligation shall be determined by reference to the provisions of the contract."
Answer 26:	Annex-I General Conditions is a template document and does not subject to any modifiations. Therefore, this article will remain unchanged.
Question 27:	May the article revised as: "Article 34 - Final acceptance 34.1. Upon expiry of the warranty period, or where there is more than one such period, upon expiry of the latest period, and when all defects or damage have been rectified, the Project Manager shall issue the Contractor a final acceptance certificate and a copy thereof to the Contracting Authority, stating the date on which the Contractor completed its obligations under the contract to the Project Manager's satisfaction. The final acceptance certificate shall be issued by the Project Manager by the end of the warranty period or as soon as any repairs ordered under Article 32 have been completed to the satisfaction of the Project Manager. 34.2. The contract shall not be considered to have been performed in full until the final acceptance certificate has been signed or is deemed to have been signed by the Project Manager. 34.3. Notwithstanding the issue of the final acceptance certificate, the Contractor and the Contracting Authority shall remain liable for the fulfilment of any obligation incurred under the contract prior to the issue of the final acceptance certificate which remains unperformed at the time that final acceptance certificate is issued. The nature and extent of any such obligation shall be determined by reference to the provisions of the contract."?
Answer 27:	Annex-I General Conditions is a template document and does not subject to any modifiations. Therefore, this article will remain unchanged.
Question 28:	May the article revised as: "Article 35 - Breach of contract 35.1. Either party commits a breach of contract where it fails to perform its obligations in accordance with the provisions of the contract. 35.2. Where a breach of contract occurs, the party injured by the breach is entitled to the remedies defined in the Contract.

	35.3. Where the Contracting Authority is entitled to damages, it may deduct such damages from any sums due to the Contractor or call on the appropriate guarantee. 35.4. The Contracting Authority shall be entitled to compensation for any damage which comes to light after the contract is completed in accordance with the law governing the contract within the limits stipulated under this Contract."
Answer 28:	Annex-I General Conditions is a template document and does not subject to any modifiations. Therefore, this article will remain unchanged.
Question 29:	May the following revisions exercised for the article 36? "36.1. to be deleted 36.2. Subject to any other provision of these General Conditions, the Contracting Authority may, by giving seven day notice to the Contractor, terminate the contract in any of the following cases where: a) the Contractor is in serious breach of contract for failure to perform its contractual obligations; b) the Contractor fails to comply within a reasonable time with the notice given by the Project Manager requiring it to make good the neglect or failure to perform its obligations under the contract which seriously affects the proper and timely implementation of the tasks; d) the Contractor assigns the contract or subcontracts without the authorisation of the Contracting Authority; e) the Contractor is bankrupt, subject to insolvency or winding up procedures, is having its assets administered by a liquidator or by the courts, has entered into an arrangement with creditors, has suspended business activities, or is in any analogous situation arising from a similar procedure provided for under national law or regulations; g) any other legal disability hindering performance of the contract occurs; h) the Contractor fails to provide the required guarantees or insurance, or the person providing the earlier guarantee or insurance is not able to abide by its commitments; i) the Contractor has been guilty of grave professional misconduct proven by any means which the Contracting Authority can justify; j) it has been established by a final judgment or a final administrative decision or by proof in possession of the Contracting Authority that the Contractor has been guilty of fraud, corruption, involvement in a criminal organisation, money laundering or terrorist financing, terrorist related offences, child labour or other forms of trafficking in human beings or has committed an irregularity; k) the Contractor, in the performance of another contract financed by the EU budget/EDF funds has been declared to be in serious breach of contract, which has led to its early termination or the application of liquidated damages or other contractual penalties or which has been discovered following checks, audits or investigations by the European Commission, the Contracting Authority, OLAF or the Court of Auditors; l) after the award of the contract, the award procedure or the performance of the contract proves to have been subject to substantial errors, irregularities or fraud; m) the award procedure or the performance of another contract financed by the EU budget/EDF funds proves to have been subject to substantial errors, irregularities or fraud which are likely to affect the performance of the present contract; n) the Contractor fails to perform its obligation in accordance with Article 9a and Article 9b; o) the Contractor fails to comply with its obligation in accordance with Article 10. The cases of termination under points (e), (i), (j), (l), (m) and (n) may refer also to persons who are members of the administrative, management or supervisory body of the Contractor and/or to persons having powers of representation, decision or control with regard to the Contractor.

	The cases of termination under points (a), (e), (f), (g), (i), (j), (k), (l), (m) and (n) may refer also to persons jointly and severally liable for the performance of the contract. The cases under points (e), (i), (j), (k), (l), (m) and (n) may refer also to subcontractors. 36.3. Termination shall be without prejudice to any other rights or powers under the contract of the Contracting Authority and the Contractor. The Contracting Authority may, thereafter, conclude any other contract with a third party, at it's own expense. 36.4. Upon termination of the contract or when it has received notice thereof, the Contractor shall take immediate steps to bring the implementation of the tasks to a close in a prompt and orderly manner and to reduce expenditure to a minimum. 36.5. to be deleted 36.6. to be deleted 36.7. to be deleted 36.8. If the Contracting Authority terminates the contract pursuant to Article 36.2, Contractor shall pay the Contracting Authority for any loss or damage the Contractor Authority may have suffered within the limits in the Contract 36.9. Where the termination is not due to an act or omission of the Contractor, force majeure or other circumstances beyond the control of the Contracting Authority, the Contractor shall be entitled to claim in addition to sums owed to it for work already performed, an indemnity for loss suffered."
Answer 29:	Annex-I General Conditions is a template document and does not subject to any modifiations. Therefore, this article will remain unchanged.
Question 30:	May the following artciles revised as: "44.1. Any personal data included in the contract shall be processed pursuant to 6698 numbered Turkish Data Protection Law The data shall be processed solely for the purposes of the performance, management and monitoring of the contract by the Contracting Authority.The Contractor shall have the right to access his/her personal data and to rectify any such data. Should the Contractor have any queries concerning the processing of his/her personal data, s/he shall address them to the Contracting Authority. 44.2. Where the contract requires processing personal data, the Contractor may act only under the supervision of the data controller, in particular with regard to the purposes of processing, the categories of data which may be processed, the recipients of the data, and the means by which the data subject may exercise his/her rights. 44.3. The data shall be confidential within the meaning of Regulation (EC) No 45/2001 of the European Parliament and of the Council on the protection of individuals with regard to the processing of personal data by Community institutions and bodies and on the free movement of such data. The Contractor shall limit access to the data to staff strictly needed to perform, manage and monitor the contract."?
Answer 30:	Annex-I General Conditions is a template document and does not subject to any modifiations. Therefore, this article will remain unchanged.
INSTRUCTIONS TO TENDERERS	
Question 31:	Article 1.1 of Instructions to Tenderers; May the item revised as: "… in 18 lots to the points at the provinces of Turkey (please refer to the list of the provinces Appendix-A, delivery points list), within **180 (one hundred eighty) calendar days** as also mentioned under Special Conditions, DDP, in accordance with point 15 of the

	Contract Notice. The detailed list of delivery points and quantities are given in Appendix-A to the Special Conditions. The distribution of quantities to the delivery points may be updated by the Contracting Authority based on the possible fluctuations on the number of migrants.”
Answer 31:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 32:	Do you require us to purchase the tender dossier or do you just release it with a signature? Or can we just download the file?
Answer 32:	As it is clearly stated in the Contract Notice point 18; the Tender Dossier is available at www.saglik.gov.tr , www.sihhatproject.org and www.dgmarket.com for free. You may download and use anytime you want.
Question 33:	Do you need us to translate all of our (TSE and similar) documents into English or just Turkish would be fine?
Answer 33:	Instructions to the Tenderers clearly states under the point 9.1 that ; “*The tenders, all correspondence and documents related to the tender exchanged by the tenderer and the Contracting Authority must be written in the language of the procedure, which is English.* *If the supporting documents are not written in one of the official languages of the European Union, a translation into the language of the call for tender must be attached. Where the documents are in an official language of the European Union other than English, it is strongly recommended to provide a translation into English, to facilitate evaluation of the documents.*”.
Question 34:	Are we going to be receiving any invitation letter or such document from your institution?
Answer 34:	The tender dossier is open to all interested economic operatiors who intends to tender at the above stated web addresses online (please see answer-6 above). All the tenderers are welcomed.
Question 35:	If we are bidding for more than one lot do we need to prepare separate files for each one?
Answer 35:	Please follow the Instructions to the Tenderers.
Question 36:	According to ITT 3.1, the price of our tender will be over 100.000-euro. Is it not necessary for the products in the lot to be offered to be of European origin or Turkish?
Answer 36:	Please see the Contract Notice Item 8. Eligibility and rules of origin, Instruction to Tenderers Item 3.1 and Technical Specification.
Question 37:	A single manufacturer of the breathing apparatus (9.2.29, 9.2.30) in the LOT9 line transport incubator with ventilator, located on the transport incubator and detailed in the technical specification, the manufacturer originating in the United States of America. The device is only manufactured in the USA. In this case, are we able to give American domestic ventilator (ventilator) for this lot, which is not European Union member and cost over 100.000 euro according to Article 3.1 of Instructions to tenderers 3.1?
Answer 37:	Please see the Contract Notice Item 8. Eligibility and rules of origin, Instruction to Tenderers Item 3.1 and Technical Specification.
Question 38:	Do you require us to provide technical offer and financial offer to be filed together or seperately?
Answer 38:	Please refer to the point 10.4 of the Instructions to the Tenderers.
Question 39:	Is tender guarantee form going to be in English?

Answer 39:	The tender guarentee is one of the documents, which must be in the form of the template. Please refer to the point 11 "Content of tenders" of the Instructions to the Tenderers for further details.
Question 40:	Is there a sample of the tender guarantee form in Turkish?
Answer 40:	The tender guarentee is one of the documents, which must be in the form of the template. Please refer to the point 11 "Content of tenders" of the Instructions to the Tenderers for further details.
Question 41:	Could you please clarify the validity period of the tender Guarantee form?
Answer 41:	Please refer to the point 8 and 22 of the Instructions to the Tenderers accordingly.
Question 42:	We have noticed and decided to inform you about a conflict on the values of Tender Guarantees; for LOT 6 that is for **284 units of Color Dopler Ultrasound Systems** you request **28.800 Euro** as per Tender Guarantee where else for LOT 7 that is for **24 units of Color Doppler Ultrasound systems** you request **170.400 Euro** as per Tender Guarantee**.** We kindly ask you to check if the values required for Tender Guarantees for LOT 6 and LOT 7 are correct or need to be modified.
Answer 42:	Please refer to the Corrigendum No.1 to the tender dossier.
Question 43:	Is the values in spare part list would be taken into consideration or not?
Answer 43:	These proposals will not be a part of this contact but will be a binding commitment of the contractor. It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 44:	**1 Supplies to be provided** 1.1. The subject of the contract is the supply, delivery, installation, training, warranty and after-sales service by the Contractor of the following goods: in 18 lots to the points at the provinces of Turkey (please refer to the list of the provinces Appendix-A, delivery points list), within **150 (hundred and fifty)** calendar days as also mentioned under Special Conditions, DDP, in accordance with point 15 of the Contract Notice.The detailed list of delivery points and quantities are given in Appendix-A to the Special Conditions.The distribution of quantities to the delivery points may be updated by the Contracting Authority based on the possible fluctuations on the number of migrants. **Rationale:** The number of the items we are intended to offer within the scope of the tender in question is too many. None of the products included in any item we are intended to make offer is available products. As all of them will be produced upon order and it is not possible to deliver the devices within the specified time considering the production, logistics, customs, transportation and in particular delivery, acceptance and examination as well as the time to be spent for training, we request amendment for the text of the article as specified above.
Answer 44:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 45:	May the article 20.4 (c) revised as following: "Unless specified otherwise, the purpose of the financial evaluation process is to identify the tenderer offering the lowest price"?
Answer 45:	The item will remain uncahnged.
SPECIAL CONDITIONS	

Question 46:	We hereby request the article 12 of the special conditions as below: "Article 12 Liabilities and Insurance 12.1. Liabilities The liability rules described below: a) Liability for damage to supplies Without prejudice to Article 32 (warranty obligations) and Article 38 (force majeure), the Contractor shall assume (i) full responsibility for maintaining the integrity of the supplies and (ii) the risk of loss and damage, whatever their cause, until the final acceptance as foreseen in Article 34. b) Contractor's liability in respect of the Contracting Authority The Contractor shall be responsible for and shall indemnify the Contracting Authority for any damage caused to the Contracting Authority by the Contractor's, its staff, its subcontractors fault which the Contractor is answerable. Contractor's all liability in respect of the Contracting Authority under this Contract is capped to the contract value. However, limitation of liability of the Contractor resulting from fraud or gross negligence of the Contractor, its staff can in no case be capped. The Contractor shall not be liable to the Contracting Authority by way of damages for breach of contract, in tort, for breach of statutory duty or under any other legal theory (including, in respect of negligence) for indirect and consequential damages, loss of profit/revenue, loss of use of equipment, loss of opportunity, loss of contract or loss of goodwill, the cost of obtaining new financing, costs of maintaining existing financing etc. If the Contracting Authority chooses to challenge and defend itself against the claim(s), the Contractor shall bear the documented reasonable costs of defense incurred by the Contracting Authority, its agents and employees. Under these general conditions, the agents and employees of the Contracting Authority, as well as the Contractor's staff, its subcontractors are considered to be third parties. The Contractor shall treat all claims in close consultation with the Contracting Authority Any settlement or agreement settling a claim requires the prior express consent of the Contracting Authority and the Contractor".
Answer 46:	The article will remain unchanged.
Question 47:	<u>May the following article revised as below?</u> **<u>Article 13 Programme of implementation of tasks</u>** 13.2.The subject of the contract shall be the supply, delivery, installation, warranty and training for all lots.Training must be completed within **150 (hundred and fifty)** calendar days from the date of signature of the contract by both parties, at the indicative points in Appendix A to Special Conditions.In compliance with implementation of the tasks as required and within deadlines set in the ANNEX II + III:TECHNICAL SPECIFICATIONS. **Reason:** The number of the items we are intended to offer within the scope of the tender in question is too many. None of the products included in any item we are intended to make offer is available products.As all of them will be produced upon order and it is not possible to deliver the devices within the specified time considering

	the production, logistics, customs, transportation and in particular delivery, acceptance and examination as well as the time to be spent for training, we request amendment for the text of the article as specified above.
Answer 47:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 48:	13.2 The subject of the contract shall be the supply, delivery, installation, warranty and training for ali lots. Training must be completed within **120** (onehundredtwenty) calendar days from the date of signature of the contract by both parties, at the indicative points in Appendix A to Special Conditions. İn compliance with irnplernentation of the tasks as required and within deadlines set in the ANNEX II + III: TECHNICAL SPECIFICATIONS. Explanation: When the production time of each unit and the number of the devices are considered, it is requested that the relevant item be changed as described above in order to avoid any problem related to deiivery process.
Answer 48:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 49:	Change Request for implementation period: For the above mentioned project there are items with very low quantities like 6 and there are items with very high quantities like 467 with having over 100 hospitals for delivery, installation, calibration and trainings. And for all of these works the implementation period is only 90 days for both low and high quantities. This situation makes the project not feasible and not fair. In order to make a fair competition and allow participation we ask the commission to increase the implementation periods for the items with app. 200 quantities (Lot6, 8, 11) to 5 months and for Lot 10, 8 months because of very high volume such as 467.
Answer 49:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 50:	Article 13 Programme of implementation of tasks 13.2 The subject of the contract shall be the supply, delivery, installation, warranty and training for all lots. Training must be completed within 150 (One hundred and fifty) calendar days from the date of signature of the contract by both parties, at the indicative points in Appendix A to Special Conditions. In compliance with implementation of the tasks as required and within deadlines set in the ANNEX II + III: TECHNICAL SPECIFICATIONS.
Answer 50:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 51:	Article 13.2 of Special Conditions; May the item revised as: “The subject of the contract shall be the supply, delivery, installation, warranty and training for all lots. Training must be completed within **180 (one hundred eighty) calendar days from the date of signature** of the contract by both parties, at the indicative points in Appendix A to Special Conditions. In compliance with implementation of the tasks as required and within deadlines set in the ANNEX II + III: TECHNICAL SPECIFICATIONS. “

Answer 51:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 52:	Article 13.2 of Special Conditions; **:** It says that 95 Mobile Digital X-Ray Instruments must be delivered to the relevant places within 90 days. 95 Piece Portable within 90 days in terms of production capacity and volume in Turkey as the only domestic manufacturer of digital X-ray equipment production and delivery is not possible. This delivery period, which means an average of 1,5 devices per day according to the current desired delivery time conditions, is physically and technically not possible but also an obstacle to competition. If this item is changed as follows, medium and high-end devices and LOCAL MANUFACTURER will be able to offer our company on equal terms. Change We Demand *"**For 14. Lot 95 Digital Mobile X-ray Device Delivery Time is determined as 160 days** "*
Answer 52:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 53:	Article 13.2 of Special Conditions; May the item revised as: *"The subject of the contract shall be the supply, delivery, installation, warranty and training for all lots. Training must be completed within **120 (onehundredtwenty)** calendar days from the date of signature of the contract by both parties, at the indicative points in Appendix A to Special Conditions. In compliance with implementation of the tasks as required and within deadlines set in the ANNEX II + III: TECHNICAL SPECIFICATIONS."* When the production time of each unit and the number of the devices are considered, it is requested that the relevant item be changed as described above in order to avoid any problem related to delivery process.
Answer 53:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 54:	Article 13.2 of Special Conditions; May the item revised as: *"**95 Digital Mobile X-ray Device Delivery Time is 155 days."*** It is impossible to prepare and deliver the demanded number of devices in 90 days.
Answer 54:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 55:	Article 13 Programme of implementation of tasks 13.2 The subject of the contract shall be the supply, delivery, installation, warranty and training for all lots. Training must be completed within **150 (One hundred and fifty)** calendar days from the date of signature of the contract by both parties, at the indicative points in Appendix A to Special Conditions. In compliance with implementation of the tasks as required and within deadlines set in the ANNEX II + III: TECHNICAL SPECIFICATIONS.
Answer 55:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 56:	Current article: Article 19 Period of implementation of the tasks 19.1 The period of implementation of the tasks is within 150 (One hundred and fifty) calendar days for the supply, delivery, warranty, installation and training. The date on which implementation of the tasks is to commence is the day following that on which the second of the two Parties signs. The implementation period shall run from the commencement date until date for provisional acceptance
Answer 56:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.

Question 57:	19.1 The period of implementation of the tasks is within **120** (onehundredtwenty) calendar days for the supply, delivery, warranty, installation and training. The date on which implementation of the tasks is to commence is the day following that on which the second of the two Parties signs. The impiernentation period shall run frorn the commencement date until date for provisional acceptance. Explanation: When the production time of each unit and the number of the devices are considered, it is requested that the relevant item be changed as described above in order to avoid any problem related to delivery process.
Answer 57:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 58:	19.1: The period of implementation of the tasks is within **120 (one hundred twenty**) calendar days for the supply, delivery, warranty, installation and training. The date on which implementation of the tasks is to commence is the day following that on which the second of the two Parties signs. The implementation period shall run from the commencement date until date for provisional acceptance
Answer 58:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 59:	Article 19.1 of Special Conditions; The period of implementation of the tasks is within **180 (one hundred) calendar days** for the supply, delivery, warranty, installation and training. The date on which implementation of the tasks is to commence is the day following that on which the second of the two Parties sign …
Answer 59:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 60:	Article 19.1 of Special Conditions; It says that 95 Mobile Digital X-Ray Instruments must be delivered to the relevant places within 90 days. 95 Piece Portable within 90 days in terms of production capacity and volume in Turkey as the only domestic manufacturer of digital X-ray equipment production and delivery is not possible. This delivery period, which means an average of 1,5 devices per day according to the current desired delivery time conditions, is physically and technically not possible but also an obstacle to competition. Change We Demand ***"For 14. Lot 95 Digital Mobile X-ray Device Delivery Time is determined as 160 days."***
Answer 60:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 61:	Article 19 Period of implementation of the tasks 19.1 The period of implementation of the tasks is within **150 (One hundred and fifty)** calendar days for the supply, delivery, warranty, installation and training. The date on which implementation of the tasks is to commence is the day following that on which the second of the two Parties signs. The implementation period shall run from the commencement date until date for provisional acceptance
Answer 61:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 62:	Article 19.1 of Special Conditions; May the item revised as: ***" 95 Digital Mobile X-ray Device Delivery Time is 155 days."*** It is impossible to prepare and deliver the demanded number of devices in 90 days.

Answer 62:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 63:	Article 19.1 of Special Conditions; May the item revised as:***"****The period of implementation of the tasks is within* ***120*** *(****onehundredtwenty****) calendar days for the supply, delivery, warranty, installation and training. The date on which implementation of the tasks is to commence is the day following that on which the second of the two Parties signs. The implementation period shall run from the commencement date until date for provisional acceptance."* When the production time of each unit and the number of the devices are considered, it is requested that the relevant item be changed as described above in order to avoid any problem related to delivery process.
Answer 63:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 64:	May the article revised as: "Article 32 Warranty obligations 32.6 The Contractor shall warrant that the supplies are new, unused, of the most recent models and incorporate all recent improvements in design and materials. The Contractor shall further warrant that none of the supplies have any defect arising from design, materials or workmanship. During the contractual warranty mentioned under article 32.7, in any case resulting from deficiency or any other problem of the goods: • All design, workmanship, manufacturing, material and montage related problems and possible damages come out of these problems (excluding usage errors, environmental conditions related errors) should be fixed during the guarantee period by the supplier. • The warranty must remain valid for 2 (two) years after provisional acceptance and shall be in compliance with the requirements in the Technical Specifications, Annex II + III. and Commercial warranty as granted by the manufacturer. • Response time: Contractor shall troubleshoot within 24 working hours (online or via phone). If the problem cannot be solved online or via phone support, Contractor shall be available or act on site within 3 working days. • Repair time: Within 30 calendar days from the receipt of the malfunctioning goods. If during 30 calendar days, it is foreseen that the goods cannot be repaired and the malfunction is not fault of the operator, for each day exceeding 30 calendar days that malfunction cannot be repaired, warranty period of the corresponding system should be extended by 1(one) calendar day. The maximum extension is limited to 45days. • All duration that may be passed in the repairing in the warranty duration, should be added to original guarantee period. • Only original or approved by the manufacturer(s) spare parts should be used in any repair service • Contractor should be authorised by the manufacturer(s) maintenance service centre(s) or should have a contract with such service centre(s) for the time of the implementation and contractual warranty period of all goods. All goods supplied under this contract shall also be accompanied by a commercial (manufacturer) warranty pursuant to the provisions of the 07/11/2013 dated and 6502 numbered Turkish Law on Consumer Rights and relevant regulations (if applicable). Please refer to the following links for the current Turkish Law on Consumer Rights and regulations:

	http://www.resmigazete.gov.tr/main.aspx?home=http://www.resmigazete.gov.tr/eskiler/2013/11/20131128.htm&main=http://www.resmigazete.gov.tr/eskiler/2013/11/20131128.htm http://mevzuat.basbakanlik.gov.tr/Metin.Aspx?MevzuatKod=7.5.19782&MevzuatIliski=0&sourceXmlSearch=Garanti%20Belgesi "
Answer 64:	The article will remain unchanged.
Question 65:	May the item revised as: **"Article 32 Warranty obligations** Response time: Contractor shall intervene the malfunction remotely or through phone within 24 hours in business hours in week days (Time 08:00-17:30, excluding official holidays).If there is no part requirement, the device shall be made functional within maximum 48 hours after date and time of the intervention to the malfunction.If there is a spare part requirement, the malfunction of the device shall be repaired by the Contractor within 30 calendar days maximum. **Reason:**In case of diagnosis tools and spare parts are required for repair of the malfunction and in case supplied from foreign stocks; as the requested time and conditions are required considering the logistics, customs (TSE, Tareks audits), production etc., we request amendment of the text of the article as we specified above."?
Answer 65:	The article will remain unchanged.
Question 66:	**Article 32 Warranty obligations** 32.6 The Contractor shall warrant that the supplies are new, unused, of the most recent models and incorporate all recent improvements in design and materials. The Contractor shall further warrant that none of the supplies have any defect arising from design, materials or workmanship. During the contractual warranty mentioned under article 32.7, in any case resulting from deficiency or any other problem of the goods: • All design, workmanship, manufacturing, material and montage related problems and possible damages come out of these problems ***(excluding usage errors, environmental conditions related errors)*** should be fixed during the guarantee period by the supplier. • The warranty must remain valid for 2 (two) years after provisional acceptance and shall be in compliance with the requirements in the Technical Specifications, Annex II + III. and Commercial warranty as granted by the manufacturer. • Response time: Contractor shall troubleshoot within 24 ***working*** hours (online or via phone). If the problem cannot be solved online or via phone support, Contractor shall be available or act on site within 3 ***working*** days. • Repair time: Within 30 calendar days from the receipt of the malfunctioning goods. If during 30 calendar days, it is foreseen that the goods cannot be repaired and the malfunction is not fault of the operator, **for each day exceeding 30 calendar days that malfunction cannot be repaired, warranty period of the corresponding system should be extended by 1(one) calendar day. The maximum extension is limited to 45days.** • All duration that may be passed in the repairing in the warranty duration, should be added to original guarantee period. • Only original or approved by the manufacturer(s) spare parts should be used in any repair service

	• Contractor should be authorised by the manufacturer(s) maintenance service centre(s) or should have a contract with such service centre(s) for the time of the implementation and contractual warranty period of all goods. All goods supplied under this contract shall also be accompanied by a commercial (manufacturer) warranty pursuant to the provisions of the 07/11/2013 dated and 6502 numbered Turkish Law on Consumer Rights and relevant regulations (if applicable). Please refer to the following links for the current Turkish Law on Consumer Rights and regulations: •http://www.resmigazete.gov.tr/main.aspx?home=http://www.resmigazete.gov.tr/eskiler/2013/11/20131128.htm&main=http://www.resmigazete.gov.tr/eskiler/2013/11/20131128.htm •http://mevzuat.basbakanlik.gov.tr/Metin.Aspx?MevzuatKod=7.5.19782&MevzuatIliski=0&sourceXmlSearch=Garanti%20Belgesi
Answer 66:	The article will remain unchanged.
Question 67:	Current State: Article 32 Warranty obligations Repair time:Within 30 calendar days from the receipt of the malfunctioning goods.If during 30 calendar days, it is foreseen that the goods cannot be repaired and the malfunction is not fault of the operator, corresponding functional item should be provided until malfunctioning goods is repaired. Requested State: The matter in question is requested to be removed. Reason:Systems in question within the scope of the tender are systems having high technology values, no storage cannot be made.Devices within the scope of the tender are produced upon order and delivered to the end users.As providing a provisional device instead of the device that cannot be repaired within this scope is a matter increasing the cost of the bidders in bidding period; and thus in order to make economically most advantageous offer; we request the removal of the article.
Answer 67:	The article will remain unchanged.
Question 68:	May the article revised as: “Article 33 After-sales service 33.1 After Sales services are out of the scope of this contract. However, the contractor has to demonstrate that after sales support services and spare parts will be available pursuant to the provisions of the 07/11/2013 dated and 6502 numbered Turkish Law on Consumer Rights and relevant regulations (if applicable). Please refer to the following links for the current Turkish Law on Consumer Rights and regulations: http://www.resmigazete.gov.tr/main.aspx?home=http://www.resmigazete.gov.tr/eskiler/2013/11/20131128.htm&main=http://www.resmigazete.gov.tr/eskiler/2013/11/20131128.htm http://mevzuat.basbakanlik.gov.tr/Metin.Aspx?MevzuatKod=7.5.19783&MevzuatIliski=0&sourceXmlSearch=SATI%C5%9E%20SONRASI%20H%C4%B0ZMETLE “?
Answer 68:	The article will remain unchanged.
Question 69:	May the article revised as: **“Article 33 After-sales service**

	33.1 After Sales services **are out of the scope of this** contract. However, the contractor has to demonstrate that after sales support services and spare parts will be available pursuant to the provisions of the 07/11/2013 dated and 6502 numbered Turkish Law on Consumer Rights and relevant regulations (if applicable). Please refer to the following links for the current Turkish Law on Consumer Rights and regulations: •http://www.resmigazete.gov.tr/main.aspx?home=http://www.resmigazete.gov.tr/eskiler/2013/11/20131128.htm&main=http://www.resmigazete.gov.tr/eskiler/2013/11/20131128.htm •http://mevzuat.basbakanlik.gov.tr/Metin.Aspx?MevzuatKod=7.5.19783&MevzuatIliski=0&sourceXmlSearch=SATI%C5%9E%20SONRASI%20H%C4%B0ZMETLE.”
Answer 69:	The article will remain unchanged.
OTHER ADMINISTRATIVE QUESTIONS	
Question 70:	Is there going to be any negotiations after all the offers presented to the tender commission?
Answer 70:	The Evaluation Committee will carry out the evaluation process in line with the international open procedures set out in the PRAG.
Question 71:	Could you please clarify the last year, past year and current year meanings mentioned on the form which is stated at the Tender form for a supply contract?
Answer 71:	Last year and the past year refer to the financial year of which the accounts have been closed. The current year refers to the financial year of which the acoounts have not been yet closed. For the current year, the tenderer either may put the figures reflecting their estimation for the end of current year or keep the column empty.
Question 72:	When presenting the satisfaction certificate, do you require any additinal documents?
Answer 72:	The requested documents are listed in the Instructions to the Tenderers under item 11.
Question 73:	Derogation Request: For Lot 17, there are no European manufacturers and all the EU/Turkish companies such as Phillips, Siemens etc. who sells these monitors are either having factories in China or having Chinese factories/brands manufacturs by their names which some are Comen, Mindray, etc. Therefore since there is no brand who can give certificate of origin for this lot and we kindly ask the derogation for the origin rule.
Answer 73:	The rule of origin will remain unchanged for the timebeing.
Question 74:	May the following revisions applied to the Annex-V Model Performance Guarantee? “ (.....) We note that the guarantee will be released within **30** days of the issue of the **provisional** acceptance certificate (except for such part as may be specified in the Special Conditions in respect of after sales service) ~~and in any case at the latest on (at the expiry of 18 months after the period of implementation of the tasks).(.....)”?~~
Answer 74:	The document will remain unchanged.
Question 75:	May the following revisions applied to the Annex-V Pre-Financing Guarantee Form?

	"(.....)We note that the guarantee will be released 30 days at the latest after the provisional acceptance of the goods. ~~and in any case at the latest on (at the expiry of 18 months after the period of implementation of the tasks) ."~~
Answer 75:	The document will remain unchanged.
Question 76:	May the following revisions applied to the Tender Guarantee Form? (……..) We note that the guarantee will be released at the latest **within 30 days at the latest after the provisional acceptance**, including any extensions, in accordance with Article 8 of the Instructions to Tenderers [and in any case at the latest on (1 year after the deadline for submission of tenders)] .
Answer 76:	The document will remain unchanged.
ANNEX II+III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER	
Question 77:	In the documents of 'ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER' there are items as 2.3 'Maintenance logs and End Recipients of Assistance (ERA)'s official authorisation' and 3.5 'All software must be licensed to the End Recipient of Assistance (ERA)'. We would like to have definite information about 'End Recipient of Assistance (ERA)'. Do all the software have to be licensed to End Recipient of Assistance (ERA)? Do official authorisation is required to all devices? If so what would be the procedures for these?
Answer 77:	Please refer to 'ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER.
Question 78:	May the item revise as *"3.7. The tenderer shall submit copies of the following documents during the commissioning, which certify that they are actually engaged in the business that is covered by the tender and pertain to the year in which the tender is conducted. At least one or more of the following certifications will be supplied before the acceptance of the products; Capacity Report, Industry Ministry after Sales Service Qualification Certificate, Industry Ministry Authorized Service Certificate, ISO 9001Certificate"*. **Rationale:** Tenderer technical capacity is actually requested in ITT and Contract Notice documents. Above clause is located under the 'Installation and Commissioning of Equipment'; however, documents asked for are requested during the tender submission. Additionally, documents are asked to be 'notarized copies of originals'. In the general conditions, special conditions or other annexes notarized copies or original documents are not requested. They may be requested upon any suspicion with the tenderer's copy documents. This request until the tender submission date will limit the number of participants including us. Moreover, documents such as Capacity Report (Only related to Turkish Manufacturers), Ministry of Industry after Sales Service Qualification Certficate (Is not applicable any more, cannot be obtained from the Ministry of Industry for non-consumer medical devices such as Digital Mammography or X-Ray devices), Ministry of Industry Authorized Service Certificate are not valid and cannot be obtained from the authorities.
Answer 78:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 79:	3.9. TRAINING Unless otherwise stated, the contractor at least 2 (two) days free training of at least 2 (two) staff to determine the use, **daily** maintenance, calibration, **first level intervention in case of malfunctions** of the device with their trained staff. These

	trainings will be repeated up to 3 times for each device if requested during the warranty period. This requirement will be certified by the contractor in the tender file. The date and place which will be determined by the center. Documents and equipment's required for training shall be met by the Contractor.
Answer 79:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 80:	Item **1.2.1**; ***Portable display module*** mentioned in the item increaes the cost for all possible bids, and is a part of another complete system. In case of this item stays unchanged, further changes needed to be done similar to high level anesthesia device specifications, for this level also. Therefore, the revision of the item as "*Anaesthesia device shall be composed of anaesthetic trolley, a ventilator, a vaporizer, a fresh gas delivery unit, a CO2 absorber, ventilation monitor and patient bedhead unit. All units, except the patient bedhead unit, must belong to the same manufacturer.*" is hereby requested.
Answer 80:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 81:	Item **1.2.1**; May the item revised as "*Anaesthesia device shall be composed of patient bedhead unit with anaesthetic trolley, a ventilator, a vaporizer, a fresh gas delivery unit, a CO2 absorber, ventilation monitor. All units, except the patient bedhead unit and vaporizer, must belong to the same manufacturer?*
Answer 81:	The relevant part of the item will remain same as the technical spesifications Item 1.2.1. However, It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 82:	Item **1.*2.6***; The typing mistake has been observed that the item requested to be revised as; "*The flow sensor and the oxygen sensor of the device must be re-usable or paramagnetic."?*
Answer 82:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 83:	Item **1.2.7.3**; May the item revised as "*For the accuracy of flow measurements, the respiratory system must be of compact structure and shall climatize the air to the patient or should have vapor condenser system . If the respiratory system is not heated or ultrasound flow measurement is not possible, a vapor condenser system shall be provided for each device. For the devices without vapor condenser system, 750 pcs of HME filters shall be provided per year during the warranty period."?*
Answer 83:	The item will remain same as the technical spesifications.
Question 84:	Item **1.2.14**; May the item revised as "*Central system gas pressures must be read on the device"?*
Answer 84:	The item will remain same as the technical spesifications.
Question 85:	Item **1.2.15**; May the item revised as "*The combined flowmeter unit shall be on the anaesthesia device. This unit shall be equipped with a computer-controlled gas mixer (electronic mixer), the specified O_2 (oxygen) concentration and the total flow value can be adjusted by the user, so that the used nitrogen protoxide or air can be adjusted by the device. Oxygen concentration and/or total flow value shall be monitored as both numerical and graphical bar."?*
Answer 85:	The item will remain same as the technical spesifications.

Question 86:	Item **1.2.20**; May the item revised as "*The clinician must be informed about the amount of medical gases used and the qualitative use of the fresh gas flow, together with the safety system that calculates the amount of oxygen (Lt/min) required to maintain the O2 level in order to prevent hypoxia in low-flow anaesthesia devices during anaesthesia application, and the device shall have the features (Ecoflow or Econometer or Volumetric Reflector Index) or equipped with an integrated, mechanical O2/N2O ratio system, which secures minimum 25% oxygen during O2/N2O operation (in high-flow and low-flow anesthesia) to prevent hypoxia or toxic N2O concentrations to idealize the use of anaesthetic gas and agent"?*
Answer 86:	The item will remain same as the technical spesifications.
Question 87:	Item **1.2.20**; May the item revised as "*The clinician must be informed about the amount of medical gases used and the qualitative use of the fresh gas flow, together with the safety system that calculates the amount of oxygen (Lt/min) required to maintain the O2 level in order to prevent hypoxia in low-flow anaesthesia devices during anaesthesia application, and the device shall have the features (Ecoflow or Econometer or Volumetric Reflector Index or Fresh Gas Optimizer) to idealize the use of anaesthetic gas and agent"?*
Answer 87:	The item will remain same as the technical spesifications.
Question 88:	Item **1.2.23**; May the item revised as "*The device must be capable of receiving gas from air, oxygen and nitrogen protoxide cylinders both from the central system and in case of emergency. In case of interruption or failure of the central system and backup gas sources, the system must provide ventilation either by itself or via medical air compressor belonging to the same or any EU/Turkish brand which can be supplied with the device or via air standby gas cyliinders connected to the device for standby gas supply.*"?
Answer 88:	The item will remain same as the technical spesifications.
Question 89:	Item **1.2.23**; May the item revised as "*The device must be capable of receiving gas from oxygen and nitrogen protoxide cylinders both from the central system and in case of emergency. In case of interruption or failure of the central gas, the system must provide ventilation either by itself or backup gas sources such as from oxygen cylinders.*"?
Answer 89:	The item will remain same as the technical spesifications.
Question 90:	Item **1.2.29.2**; May the item revised as "*The vaporizer should belong to the same or different manufacturer as the proposed anaesthesia device*"?
Answer 90:	The item will remain same as the technical spesifications.
Question 91:	Item **1.2.29.2**; May the item revised as "*The isoflurane, savoluflurane vaporizers (or any UK/Europe make Desflurane is accepted) that the bidder put on the machine must belong to the same manufacturer as the anaesthesic device*"?
Answer 91:	The item will remain same as the technical spesifications.
Question 92:	Item **1.2.30**; May the item revised as "*The ventilator of the device shall be in an electronic controlled pneumatic or piston type or shall have volume reflector technology to sensitively deliver anaesthetic gases to the respiratory system and it shall have the characteristics specified in the following articles*"?

Answer 92:	The relevant item will remain same as the technical spesifications item 1.2.30. However, It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 93:	Item **1.2.30**; May the item revised as "*The ventilator of the device shall be in an electronic controlled-piston type or **bellow type** or shall have volume reflector technology to sensitively deliver anaesthetic gases to the respiratory system and it shall have the characteristics specified in the following articles*"?
Answer 93:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 94:	Item **1.2.30.4**; May the item revised as "*The PEEP value of the ventilator must be adjustable within the range of at least 2 (two) cmH2O to 20 (twenty) cmH2O.*"?
Answer 94:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 95:	Item **1.2.32.1**; May the item revised as "*O2, N2O and/or air can be monitored with electronic bar graphor glass tubes with scale on the flowmeter"?*
Answer 95:	The item will remain same as the technical spesifications.
Question 96:	Item **1.2.32.1**; May the item revised as "*O2, N2O and/or air can be monitored with electronic bar graph flowmeter on the screen or on analog barometer on devices."?*
Answer 96:	The item will remain same as the technical spesifications.
Question 97:	Item **1.2.32.2**; May the item revised as "*The proposed device shall have colour and at least 8,4 inches in nominal size. All respiratory auto-ventilation and flow parameters must be selected with the touch screen or rotary knob and/or keys of the device and must be set and confirmed with the single confirmation key that the device has in terms of patient safety"?*
Answer 97:	The item will remain same as the technical spesifications.
Question 98:	Item **1.2.32.2**; May the item revised as "*The proposed device shall have colour and at least 15 (fifteen) inches in nominal size touch screen with resolution of 1024x768. All respiratory auto-ventilation and flow parameters must be selected with the touch screen or rotary knob and/or keys of the device and must be set and confirmed with the single confirmation key that the device has in terms of patient safety."?*
Answer 98:	The item will remain same as the technical spesifications.
Question 99:	Item **1.2.32.3**; Current item prevents our products to fulfill the specifications. In order for our products to fulfill the specifications, we request the item to be revised as "*At the same time, at least 3 (three) waveforms shall be observed. (Airway pressure, VT **or flow** and CO2)"?*
Answer 99:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 100:	Item **1.2.32.3**; May the item revised as "*At the same time, at least 2 (two) waveforms shall be observed. (Airway pressure, VT and CO2)"?*

Answer 100:	The relevant part of the item will remain same as the technical spesifications Item 1.2.32.3. However, It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 101:	Item **1.2.33.6**; We hereby request to remove this item.
Answer 101:	The item will remain in the technical spesifications.
Question 102:	Item **1.2.33.9**; May the item revised as "*Central system O_2 gas pressure value on the device, (if connected to the central system)"?*
Answer 102:	The item will remain same as the technical spesifications.
Question 103:	Item **1.2.33.10**; May the item revised as "*Central system N_2O (nitrogen protoxide) gas pressure value on the device, (if connected to the central system)"?*
Answer 103:	The item will remain same as the technical spesifications.
Question 104:	Item **1.2.33.11**; May the item revised as "*Central system medical air pressure value on the device, (if connected to central system)"?*
Answer 104:	The item will remain same as the technical spesifications.
Question 105:	Item **1.2.34.1**; May the item revised as "At least 15(fifteen) inches in nominal size with touch screen capability,*"?*
Answer 105:	The item will remain same as the technical spesifications.
Question 106:	Item **1.2.34.4**; May the item revised as "*On the monitor, at least one of the features (Extra-Pro Arrhythmia and Dinamap Superstat NIBP measurement technology) or (ST/AR Arrhythmia and EASI Technology) or (TrusT Arrhythmia and/or CNAP Smart Pod Technology)or (SUNTECH NIBP measurement technology) must be standard or in the future optional with a charge"?*
Answer 106:	The item will remain same as the technical spesifications.
Question 107:	Item **1.2.34.4**; May the item revised as "*On the monitor, at least one of the features (Extra-Pro Arrhythmia and Dinamap Superstat NIBP measurement technology) or (ST/AR Arrhythmia and EASI Technology) or (TrusT Arrhythmia and/or CNAP Smart Pod Technology) or Multiview Arrythmia and Charting Mode must be standard or in the future optional with a charge."?*
Answer 107:	The item will remain same as the technical spesifications.
Question 108:	Item **1.2.34.7**; May the item revised as "*The monitor's SpO_2 measurement technology should be able to measure SpO_2 in patients with motion or low perfusion."?*
Answer 108:	The item will remain same as the technical spesifications.
Question 109:	Item **1.2.34.8**; May the item revised as "*With each device to be provided, in order to follow the haemorrhage, module/monitor/display shall be provided as standard to measure the haemoglobin and hyperoxemic oxygen level shall from the finer as non-invasive. At least 10 units must be provided for the sensors required for measurement or the monitor should have SVO2 monitoring."?*
Answer 109:	The item will remain same as the technical spesifications.
Question 110:	Item **1.2.34.8**; We hereby request to remove this item.
Answer 110:	The item will remain in the technical spesifications.

Question 111:	Item **1.2.34.10**; May the item revised as "*The hemodynamic monitor must have IABP or defibrillator synchronization connection."?*
Answer 111:	The item will remain same as the technical spesifications.
Question 112:	Item **1.2.35.11**; May the item revised as "*NMT or TOF or CO2"?*
Answer 112:	The item will remain same as the technical spesifications.
Question 113:	Item **1.2.36**; May the item revised as "*With a module or external monitor or feature that can optionally be added to the monitor via the hemodynamic monitor with a fee, and a Bilaterally BIS or Sedline or Cerebral State Monitoring CSM, cardiac output (CO) or continuous cardiac output (CCO) parameters can be added in the future."?*
Answer 113:	The relevant part of the item will remain same as the technical spesifications item 1.2.36. However, It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 114:	Item **1.2.36**; May the item revised as "*With a module monitor that can optionally be added to the monitor via the hemodynamic monitor with a fee, and a Bilaterally BIS or Sedline or cardiac output (CO) or continuous cardiac output (CCO) parameters can be added in the future."?*
Answer 114:	The relevant part of the item will remain same as the technical spesifications. However, It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 115:	Item **1.2.36**; May the item revised as "*With a module that can optionally be added to the monitor via the hemodynamic monitor with a fee, BIS or Sedline, cardiac output (CO) or continuous cardiac output (CCO) parameters, PICCO can be added in the future."?*
Answer 115:	The relevant part of the item will remain same as the technical spesifications. However, It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 116:	Item **1.2.39.13**; Since existing article no:1.2.11 which is "An air, an oxygen and a nitrogen protoxide central gas inlet shall be available on the device body. There must also be a gas inlet for the tubes. Oxygen and nitrogen tubes shall be supplied for each device. The necessary connections must be made by the company." already covers the need and in case item 1.2.39.13 is not removed, current status of this item creates a conflict with item 1.2.39 removal of the item 1.2.39.13 is requested.
Answer 116:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 117:	Item **1.2.39.14**; *Since existing article no:1.2.11 which is* "An air, an oxygen and a nitrogen protoxide central gas inlet shall be available on the device body. There must also be a gas inlet for the tubes. **Oxygen and nitrogen tubes shall be supplied for each device. The necessary connections must be made by the company.**" a*lready covers the need and in case item 1.2.39.13 is not removed, current status of this item creates a conflict with item 1.2.39* **removal of the item 1.2.39.13 is requested.**
Answer 117:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 118:	Item **2.3.5**; May the item revised as "*For the accuracy of flow measurements, the respiratory system must be of compact structure and shall climatize the air to the patient or should have vapor condenser system . If the respiratory system is not*

	heated or ultrasound flow measurement is not possible, a vapor condenser system shall be provided for each device. For the devices without vapor condenser system, 750 pcs of HME filters shall be provided per year during the warranty period."?
Answer 118:	The item will remain same as the technical spesifications.
Question 119:	Item **2.3.31**; May the item revised as "*The device must be capable of receiving gas from oxygen and nitrogen protoxide cylinders both from the central system and in case of emergency."?*
Answer 119:	The item will remain same as the technical spesifications.
Question 120:	Item **2.3.33.2**; May the item revised as "*Electronic controlled vaporizer, which allows the amount of anaesthetic agent used to be adjusted via the ventilator screen shall be available. At this time, the devices should have the target/end-tidal anaesthesia feature to achieve the intended end-tidal anaesthetic agent and/or O_2 values."?*
Answer 120:	The item will remain same as the technical spesifications.
Question 121:	Item **2.3.33.6**; The typing mistake has been observed that the item requested to be revised as; "*The vaporizer shall be in capacity to receive the inhalation agent of at least 220 ml.".*
Answer 121:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 122:	Item **2.4.2**; The typing mistake has been observed that the item requested to be revised as; *The ventilator's inspration pressure shall be adjustable between at least 5 (five) cm H_2o and 60 (sixty) cmH_2o intervals.*
Answer 122:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 123:	Item **2.4.5**; May the item revised as "*The PEEP value of the ventilator must be adjustable between at least **2 (two)** cmH2o and 20 (twenty) cmH2o."?*
Answer 123:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 124:	Item **2.4.9**; May the item revised as "*The devices shall have a flow or pressure triggering system that can be set at a minimum (-20) -0 cmH2o range and/or can be set at a minimum 0.3-10 lt/min range."?*
Answer 124:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 125:	Item **2.5.3**; May the item revised as "*At least 3 (three) waveforms (airway pressure, **VT or flow** and CO2) should be monitored at the same time."?*
Answer 125:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 126:	Item **2.6.9**; May the item revised as "*The parameters specified at least in the following items, must be monitored on the patient bed monitor or on another external monitor as standard and the monitor must have the necessary software and hardware for it"?*

Answer 126:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 127:	Item **2.6.10**; May the item revised as "*From the patient bedhead monitor, as a modle that can optionally be added to the monitor upon request, CO and CCO, BIS or Sedline, PICCO or CCO, NMT or TOF parameters can be monitored."?*
Answer 127:	The item will remain same as the technical spesifications.
Question 128:	Item **3.3.3**; With emerging new technologies, channel count numbers are very high in modern systems and high channel numbers help the doctors to have better image quality & speed in the system. For a faster & up-to-date system, channel count must be higher. May the item revised as "*Digital beam former of system will have at least 7,000,000 channels or infinite channels."?*
Answer 128:	The item will remain same as the technical spesifications.
Question 129:	Item **3.3.5**; LOT 3 is addressing a premium system with 4D capabilities and quantification functions. For such a system, frame rate must be higher for the premium units to participate the tender to create a fair competitive environment. Frame rate is something really critical for echocardiography systems because the mainly interested structure (heart) is moving all the time. This movement of heart and the blood flow's reality is important to detect regurgitations and abnormal flows, and the myocardial functionalities. As the frame rates get higher the perception of the user gets higher, and it becomes easier to obtain abnormalities even if the heart rate is not in sinus rhythm. It is mandatory especially for Pediatric scanning when the user is dealing with children that have higher heart rates than adults and does not cooperate. For this reason, we propose a higher frame rate feature.May the item revised as "*Frame rate of the system will be at least 1500 frame/second in 2D-Mode and at least 150 frame/second in Color Doppler."?*
Answer 129:	The item will remain same as the technical spesifications.
Question 130:	Item **3.3.7**; May the item revised as "*At least 750 frame will be taken with 2D-Mode and at least 30 seconds of Doppler information will be taken with "cineloop" memory of the system. Cine memory capacity of device will be at least 500 MB. It will be possible to select images from memory and to replay in slow mode."?*
Answer 130:	Please refer to Corrigendum No.3 to the tender dossier.
Question 131:	Item **3.3.13**; LOT 3 is addressing a premium system with 4D capabilities and quantification functions. For such a system, monitor should be higher size. May the item revised as "*System monitor will have high resolution, vibration free Flat Panel (OLED, LCD or LED) in at least 21" size."?*
Answer 131:	It is recommended to refer to the Corrigendum No.3 to the tender dossier.
Question 132:	Item **3.3.22**; In order to compete at the fair competition environment, the names of the latest technology of the vendors are subject to change to provide the highest technology. If the names of the latest technology are provided as nSIGHT or XDclear or IN Focus Coherent or iBEAM then the fair competition environment would be reached. Therefore, may the item revised as "*A software which would run in a computer with the suitable hardware and software should be provided in order to implement strain / strain rate/ speckletracking (2D strain or AFI) and 3D volume analysis off-line on the images from the system. The system should have nSIGHT or XDclear or IN FocusCoherent or iBEAM technology which would provide high*

	resolution analysis for detailed tissue analysis at high frequencies with high penetration especially on technically challenging patients."?
Answer 132:	Please refer to Corrigendum No.3 to the tender dossier.
Question 133:	Item **3.3.23**; May the item revised as "*It will be able to do automatic Speckle tracking and Global Strian analysis and will detect biplane systole and diastole and carry out EF calculation and sector probe can be attached for live 3D imaging which can increase to at least 4 MHz frequency."?*
Answer 133:	It is recommended to refer to the Corrigendum No.3 to the tender dossier.
Question 134:	Item **3.3.24**; In order to compete at the fair competition environment may the item revised as "*It will be able to do 4D Strain or full automatically perform left ventricule (LV) and left atrium (LA) volume analysis (Dynamic Heart Model)."?*
Answer 134:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 135:	Item **3.4**; In order to compete at the fair competition environment may the item revised as "*System can do real time* ***or post processes*** *tissue synchronization and strain-strain rate imaging."?*
Answer 135:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 136:	Item **3.4.1**; Echocardiography systems are mobile and compact medical devices. The systems already have integrated custom manufactured color and black/white video printers. The specification described at the current article as laser printer is for the computer usage and since it cannot be integrated into the system it will reduce the compatibility and also minimize the working. Since it will reduce the usage comfort we recommend to keep the integrated color video printers instead of laser printers. Extra point specification should be changed in order to use the newest and superior features. Therefore may the item revised as "*The system offered should be compatible with DICOM 3.0 and this feature should be provided with the system. One black/white and one color video printer should be provided."?*
Answer 136:	The relevant part of the item will remain same as the technical spesifications. However, It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 137:	Item **3.4.1**; Echocardiography systems are mobile and compact medical devices. The systems already have integrated custom manufactured color and black/white video printers. The specification described at the current article as laser printer is for the computer usage and since it cannot be integrated into the system it will reduce the compatibility and also minimize the working. Since it will reduce the usage comfort we recommend to keep the integrated color video printers instead of laser printers. Therefore may the item revised as "*The system offered should be compatible with DICOM 3.0 and this feature should be provided with the system. One black/white and one color video printer should be provided."?*
Answer 137:	The relevant part of the item will remain same as the technical spesifications. However, It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 138:	Item **4.3.3**; With emerging new technologies, channel count numbers are very high in modern systems and low channel numbers does not help the doctors to have better image quality & speed in the system. For a faster & up-to-date system, channel count

	must be higher. May the item revised as "*Digital beam former of system will have at least 7,000,000 channels or infinite channels."?*
Answer 138:	The item will remain same as the technical spesifications.
Question 139:	Item **4.3.5**; Frame rate is something really critical for echocardiography systems because the mainly interested structure (heart) is moving all the time. This movement of heart and the blood flow's reality is important to detect regurgitations and abnormal flows, and also the myocardial functionalities. As the frame rates get higher the perception of the user gets higher, and it becomes easier to obtain abnormalities even if the heart rate is not in sinus rhythm. It is mandatory especially for Pediatric scanning when the user is dealing with children that have higher heart rates than adults and does not cooperate. For this reason, we propose a higher frame rate feature. May the item revised as "*Frame rate of the system will be at least 1500 frame/second in 2D-Mode and at least 150 frame/second in Color Doppler."?*
Answer 139:	The item will remain same as the technical spesifications.
Question 140:	Item **4.3.10.2**; May the item revised as "*Matrix, X-Matrix or Volume probe which can do, Adult, Pediatric or Newborn real-time 3D imaging."?*
Answer 140:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 141:	Item **4.3.20**; The specifications state that the system can perform live 3D echocardiography if required in the future. When this feature is added the institutions would need to buy a new probe. In order not to purchase an extra probe, it would be an advantage for the institutions to have an already compatible probe that can perform live 3D imaging feature with the current tender. May the item revised as "*Matrix or XMatrix Multiplan TEE which can be connected to the system for adult and pediatric purposes."?*
Answer 141:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 142:	Item **4.3.22**; May the item revised as "*When demanded, hardware including software and probe for carrying out real time transesophageal cardiac can be added to system. (If 3D is required in the hospital, cost of necessary hardware and probe is paid according to probe and part price list demanded with device. Related firm is responsible to upgrade device hassle free for 3D function.).* *Added software will include real time TEE 3D cardiac imaging, single beat, Multi Beat 3D Full Volume imaging, at least 6 or 9 slice imaging and real time 3D or 4D works. Firms will deliver detailed information and documents about related software and hardware."?*
Answer 142:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 143:	Item **4.3.23**; In order to compete at the fair competition environment may the item revised as "*A software which would run in a computer with the suitable hardware and software should be provided in order to implement strain / strain rate/ speckletracking (2D strain or AFI) and 3D volume analysis off-line on the images from the system. The system should have nSIGHT or XDclear or IN FocusCoherent or iBEAM technology which would provide high resolution analysis for detailed tissue analysis at high frequencies with high penetration especially on technically challenging patients."?*

Answer 143:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 144:	Item **4.5.1**; Echocardiography systems are mobile and compact medical devices. The systems already have integrated custom manufactured color and black/white video printers. The specification described at the current article as laser printer is for the computer usage and since it cannot be integrated into the system it will reduce the compatibility and also minimize the working. Since it will reduce the usage comfort we recommend to keep the integrated color video printers instead of laser printers. Therefore may the item revised as "*The system offered should be compatible with DICOM 3.0 and this feature should be provided with the system. One black/white and one color video printer should be provided."?*
Answer 144:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 145:	Item **5.3.2**; The number of digital channels for the system provides better image quality, increased workflow, and diagnosis confidence which would affect the utilization quality. The new systems with the current technology has at least 1.000.000 digital channels. With 20.000 digital channels, the old and out of date systems will be eligible for the tender and this will reduce the total diagnosis quality. Therefore we would like to increase the number of digital channels as "*The system offered should be at least 1.000.000 digital channel and full digital frame."?*
Answer 145:	The item will remain same as the technical spesifications.
Question 146:	Item **5.3.2**; With emerging new technologies, channel count numbers are very high in modern systems and low channel numbers does not help the doctors to have better image quality & speed in the system. For a faster & up-to-date system, channel count must be higher. May the item revised as "*Offered system will have at least 5,000,000 or infinite digital channels and will have full digital structure."?*
Answer 146:	The item will remain same as the technical spesifications.
Question 147:	Item **5.3.8**; May the item revised as "*All probes of system will be multi-frequency or broadband. 3 probes or micro-pinless probe can be attached to system and probes can be selected by a selector on panel."?*
Answer 147:	The item will remain same as the technical spesifications.
Question 148:	Item **5.3.10.1**; The "purevawe" sector probe is compatible with our echocardiography Affiniti 70 system which can perform high level 3D analysis. The system described at the technical specifications is not a high level live 3D echocardiography system, it is more a routine usage medium level echocardiography system. Due to the "purevawe" term at the current article we have to offer a higher level system than what is actually required and this is not suitable for fair competition environment. In 2017, at "The Ministry of Health Directorate of General of Health for Border and Coastal Areas" tender for 80 systems, the specification had the proposed article in terms of probes. At this tender, two different manufacturing companies were eligible and the fair competition environment was met. In order to have similar level competitve systems to be eligible for the tender, we would like to have "low loss lens" term instead of "purevawe" term. Therefore we would like to revise the item as "*Transthorasic Adult or Pediatric or Neonatal, Multifrequency and/or broadband, single crystal or low loss lens or RS or MultiD matrix technology sector probe."*
Answer 148:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.

Question 149:	Item **5.3.10.1**; The "purevawe" sector probe is compatible with our echocardiography XX system which can perform high level 3D analysis. The system described at the technical specifications is not a high level live 3D echocardiography system, it is more a routine usage medium level echocardiography system. Due to the "purevawe" term at the current article we have to offer a higher level system than what is actually required and this is not suitable for fair competition environment. In 2017, at "The Ministry of Health Directorate of General of Health for Border and Coastal Areas" tender for 80 systems, the specification had the proposed article in terms of probes. At this tender, two different manufacturing companies were eligible and the fair competition environment was met. In order to have similar level competitve systems to be eligible for the tender, we would like to have "low loss lens" term instead of "purevawe" term. Therefore we would like to revise the item as "*Transthorasic Adult or Pediatric or Neonatal, Multifrequency and/or broadband, single crystal or low loss lens or RS or MultiD matrix technology sector probe."*
Answer 149:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 150:	Item **5.3.10.1**; May the item revised as "S*ector probe with transthorasic adult, Pediatric or newborn, Multifrequency and/or broadband, single crystal and Matrix, püre wave, XBT, MultiD matrix, IQ probe technology."?*
Answer 150:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 151:	Item **5.3.10.1**; ; May the item revised as"S*ector probe with transthorasic adult, Pediatric or newborn, Multifrequency and/or broadband, IQ probe or matrix or pure wave or RS connected or acoustic amplifier or Multi D matrix technology."?*
Answer 151:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 152:	Item **5.3.10.2**; May the item revised as "*Real time 3D Transthorasic probe or it should have ability to connect to matrix TEE probe."?*
Answer 152:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 153:	Item **5.3.10.4**; May the item revised as "*Probe demanded by the administration and 1 of 5.3.10.1 probe from current probe frequencies of device will be given with each device together with their accessories (in total 1 probe). If probes are demanded later for delivered devices, offered prices for all probes compliant to the device of the firm (including all software operating all functions of probe) cannot be over 7% of tender value for probe in 5.3.10.1. This value cannot be over 20% for probes defined in 5.3.10.3 article ."?*
Answer 153:	The item will remain same as the technical spesifications.
Question 154:	Item **5.3.12**; The monitor size should be bigger for ease of use and to increase the workflow, since the systems provided will be used in crowded cardiology policlinics and instead of old technology control panel systems, it should be new technology touch screen. The newest technology current systems for all vendors have the touch screen and wide monitors. This will provide a fair competition environment. Therefore we would like to revise the item as "*System monitor will have high resolution LCD or LED in at least 21 inch. For ease of use the system should have 10 inch touch screen."?*

Answer 154:	The item will remain same as the technical spesifications.
Question 155:	Item **5.3.12**; May the item revised as *"System monitor will have high resolution LCD or LED in at least 21,5" size."?*
Answer 155:	The item will remain same as the technical spesifications.
Question 156:	Item **5.3.19**; May the item revised as "….a) *Color anatomic M-1VIOD imaging, anatomic M-MOD feature's being used with color tissue Doppler and having integrated real time strain imaging feature or Real Time Anatomic M-MODE feature with up to 3 different region M Mode imaging (Single, Dual and Triple Anatomic M Mode)…"?*
Answer 156:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 157:	Item **5.3.19**; May the item revised as "….a) *Proposed system should be compatible with XDClear probe… d) 3D Wall Motion Tracking Kit can be added to the proposed system if required by the management with extra fee."?*
Answer 157:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 158:	Item **5.3.19**; May the item revised as *"Offered system will have software to show deformation rate of heart tissue (strain%)* *l/s strain rate. Strain feature will be used with color Doppler or 2D images (using TDI or speckle tracking technique. And additionally system will provide at least one of below features:* *a) Color anatomic M-MOD imaging, anatomic M-MOD feature's being used with color tissue Doppler and having integrated real time strain imaging feature.* *b) Gain setting can be continually adjusted automatically (Adaptive Gain Compensation) including automatic adjustmert for TGC and LGC* *c) Automatic myocardia edge detection feature (native tracing software, eSieCalcs)* *d) Having Matrikx probe performance booster Dynamic MicroSlice feature and being able to show vein luminal walls in 3D. (Fly Thru)* *e) Mapping direction of blood flow in cardiac cavities independently by probe during Doppler. (VFM: Vector Flow Mapping)* *f) Having color angio or microV feature"?*
Answer 158:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 159:	Item **5.3.21**; May the item revised as "*Hospital will be able to buy pediatric or adult TEE probe and use with the system. Probe price cannot be more than 20% of tender value of a device in this level."?*
Answer 159:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 160:	Item **5.5.1**; May the item revised as "*The system offered should be compatible with DICOM 3.0 and this feature should be provided with the system. One black/white and one color video printer should be provided."?*

Answer 160:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 161:	Item **6.3.16**; May the item revised as "*To provide better image resolution and image integrity, the device shall have one of the following technologies: Agile Acoustic Amplifier Architecture or SieStream Core Architecture or N-Sight Imaging architecture or Multi-Core processing architecture or UltraBE or S- View Architecture or CPWG or High Density Beamforming or SonicSoftware™ etc."?*
Answer 161:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 162:	Item **6.3.18**; There are different types of probes according to their area of examination. TEE probes, the one used for the echocardiography, has the triplex mode. The probes for most vendors do not have the triplex feature. "The probes proposed to be used" instead of the statement "All probes" would enable our company to present an offer and at the same time would enable other vendors to participate the tender in terms of competition. May the item revised as "*The probes proposed to be used with the system should work with B-mode, Color Doppler and triplex mode that can show Spectral Doppler real time."?*
Answer 162:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 163:	Item **6.3.40**; The Elastography feature described at the articles 6.3.40. and 6.3.41. is mainly used for research and not used for daily routine. Since this feature is mainly used for research, there has not been a consensus on the technical aspect and the studies and updates are being performed by all the vendors. Because of this, the use in routine daily examination is not preferred. Although elastography examination gives a rough information on the tissue stiffness, it is performed by two different techniques, "Strain" and "Shearwave". It is staed that "Shearwave Elastography" feature at the system is required at the 6.3.40. article but it is stated that "it can be added in the future if required" at the 6.3.41. article. The two articles are contradicting. There is a further explanation on "Strain Elastography" at the 6.3.40. article. Our addendum proposal is in order to eliminate the contardiction in 6.3.40.and 6.3.41 articles and additionally and most importantly, with this change it would be possible to exclude all the unnecessary and costly features which would not be used in the daily routine. This change would give the opportunity to the vendors to propose a system which would be used at maximum efficiency in daily routine ultrasonography practice. May the item revised as "*Elastography feature is eligible with convex and/or microconvex and/or linear probes. Elastography Imaging mode should include visual analysis (color codes showing the stiffness of the lesion) and Quantification analysis program or Strain Ratio Measurment program. Real time or post processing should be performed with the Quantification Analysis program. Pixels changing place meaning tissue ratio should be calculated at the selected region by Strain ratio measurements. With this measurements the degree of stiffness between two tissue area should be relatively put into numbers and watched on the screen.."?*
Answer 163:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 164:	Item **6.3.40**, "The device shall have the ability to perform share wave elastography. Elastography function must be usable by convex and/or micro-convex and/or linear probes. As well as the visual analysis (colour codes indicating the hardness level of the lesion), elastography Imaging mode shall also contain a Quantification analysis program or Strain ratio measurement program. With the Quantification analysis

	program, it shall be possible to perform real time or post processing actions. With strain ratio measurement, it shall be possible to measure the ratio of the pixels changing places in the selected area, or in other words, the ratio of the tissue. This way, it shall be possible to relatively specify the hardness level between the two selected tissue areas and also monitor on the screen." Suggested clause, *The Elastography feature can be added to the system in the future with an extra fee. Elastography feature is eligible with convex and/or microconvex and/or linear probes. Elastography Imaging mode should include visual analysis (color codes showing the stiffness of the lesion) and Quantification analysis program or Strain Ratio Measurment program. Real time or post processing should be performed with the Quantification Analysis program. Pixels changing place meaning tissue ratio should be calculated at the selected region by Strain ratio measurements. With this measurements the degree of stiffness between two tissue area should be relatively put into numbers and watched on the screen.*
Answer 164:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 165:	Item **6.3.41**; May the item revised as "*The Elastography feature **to be added to the system optionally with an extra fee**, is performed by convex and/or microconvex and/or linear probes. This feature should be added without changing the UBB registration, without any modifications on the system and without changing the name of the model. This feature to be added should not exceed 10% of the tender price of the system at the tender date which would be updated according to the TUIK pricing index."?*
Answer 165:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 166:	Item **7.3.12**; May the item revised as "*The maximum frame rate of the device shall be at least 1000 frame/second. This article shall be certified by the original catalogue or Turkish language version prepared in accordance with original or by the document duly acquired by the contractor from the manufacturing company."?*
Answer 166:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 167:	Item **7.3.28**; May the item revised as "*The device shall have detailed programs that can measure, calculate parameters of the B-Mod, M-Mod and Doppler mode.* - *It shall be possible to perform the following measurements in the device.* - *In B-Mode: Distance, circumference, area, angle, volume,* - *In M-Mode: Depth, time, slope, heart beat ratio,* *In Doppler Mode: time, speed, average speed, flow speed integral, pulsation index (PI), resistivity index (RI), Max Pressure Gradient, Mean Pressure Gradient.* *In the obstetric analysis package of the device, the following measurements shall be included as a minimum: Early gestation, Amniotic fluid index, Fetal Doppler, MA and EDD from LMP, EDD from Ultrasonography measurements, BPD, HC, AC, FL, FL/AC ratio, HC/AC ratio, FL/BPD ratio, EFW, Fetal growth curve. At the end of the measurements, the device shall indicate whether fetal growth is within normal limits by marking inside the graphic. Obstetric program shall include a nuchal measurement program or it would be possible to add preset special for Early OB imaging."?*

Answer 167:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 168:	Item **7.3.32**; May the item revised as *"It shall be possible to attach crystal-order matrix array or Xmatrix convex or Multi- D or Mono Crystal or minimum 5000 sub-elements per cm2 IQ probes, systems not allowing such attachment will be refused. The probe of the subject technology shall be shown over the original catalogue."?*
Answer 168:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 169:	Item **7.3.34**; May the item revised as *"With the Matrix or 256 crystal probes or Mono Crystal probes to be attached to the device, it shall be possible to perform breast, vascular, neonatal and paediatric reviews, to perform chest, vascular, Musculoskeletal, Testicle, Thyroid reviews with Linear probes having Multi D or Mono-Crystal or IQ probe technology, and to perform abdominal, intestine, renal, vascular, obstetric and fetal echo reviews with Purewave probes. The presets required for these reviews have to be uploaded in the probes. The devices which only the TEE probe uses one of these technologies will not be accepted. At least one of the probes to be proposed shall have one of these technologies."?*
Answer 169:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 170:	Item **7.3.35**; May the item revised as *"In the proposed device, it shall be possible to add Real Time 3D (4D) imaging function that could work with volume probes or support 3D imaging in B-mode, by linear and vaginal transducers. The systems by Volume vaginal transducers should support color mode in 3D imaging and volume probes should support the Sharewave Elastography. The price of this optional function cannot exceed 10% of the unit price acquired by updating the tender unit price cost over the Turkish Statistical Institute's Price Index on the date of tender."?*
Answer 170:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 171:	Item **7.3.36**; May the item revised as *"It shall be possible to connect 4D probes or Linear and vaginal Volume probes to the device."?*
Answer 171:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 172:	Item **7.3.37**; May the item revised as *"In the proposed device, it shall be optionally possible to add, against a payment, a special program (STIC) or Volume (Organ Volume) calculation program (Vocal etc.) for reviewing fetal heart abnormalities during routine obstetric works or it should be possible to add Linear and vaginal volume transducers support Intuitive 3D navigation and Sharewave elastography ability. The price of this optional function cannot exceed 7% of the unit price acquired by updating the tender unit price cost over the Turkish Statistical Institute's Price Index on the date of tender."?*
Answer 172:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 173:	Item **7.3.38**; May the item revised as *"In the proposed device, it shall be optionally possible to add, against a payment, a program to be used for post-process actions in 4D applications that can simultaneously display at least nine images on a single screen as post process, where any of the images can be selected and post process actions can be performed on it (Tomographic Ultrasound Imaging, Multi Slice, Thick*

	Slice etc.) or it shall be optionally possible in vaginal and linear volume probes save as 3D volume loops and can support review package with advanced 3D realtime post-processing in 3D B-mode and sharwave Eastography volume measurements. The price of this optional function cannot exceed 3% of the unit price acquired by updating the tender unit price cost over the Turkish Statistical Institute's Price Index on the date of tender..”?
Answer 173:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 174:	Item **7.3.39**; May the item revised as “*The proposed device shall have a function to send sound waves in different angles than linear and convex probes and a function to take a more detailed tissue information by merging the data coming from probes (Compound Imaging, Crossbeam, SonoCT, Sieclear, ApliPure, M View , SuperCompound (Spatial Compounding), etc.). In this function, it shall be possible to send the sound waves in at least nine different angles with at least one of the linear or convex probes.”?*
Answer 174:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 175:	Item **7.3.40**; May the item revised as “*The system shall have a function that eliminates the artefacts in the image, reduces the speckle noise and increases resolution (Speckle Reduction Imaging or XRES yada Dynamic TCE or X View or SuperRes™ etc.).”?*
Answer 175:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 176:	Item **7.3.43**; May the item revised as “*In the proposed device, it shall be optionally possible to add, against a payment, strain elastography function (Elasticity Imaging). As well as the visual analysis (colour codes indicating the hardness level of the lesion), elastography Imaging mode shall also contain a Quantification analysis program or Strain ratio measurement program. It shall be possible to perform elastography imaging with at least one linear, at least one convex and at least one endocavityprobe, and it shall be possible to use strain ratio or quantification analysis program with at least 1 linear probe. The price of this optional function cannot exceed 7% of the unit price acquired by updating the tender unit price cost over the Turkish Statistical Institute's Price Index on the date of tender.”?*
Answer 176:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 177:	Item **7.3.56**; May the item revised as “*For the volume probe, and probes with matrix array or Xmatrix convex or Multi-D or Single Crystal or IQ technology or mono-crystal, this price cannot exceed 12% of the unit price acquired by updating the tender unit price cost over the Turkish Statistical Institute's Price Index on the date of tender. These ratios do not include laparoscopic, pen, TEE probes. Applicant company shall provide a list of all probes conforming to the device during the contract phase.”?*
Answer 177:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 178:	Item **8.2.3**, “In accordance to the central or auxiliary system, there shall be a mechanism that enriches the amount of oxygen in the inlet air at certain ratios and it shall be possible to adjust the oxygen ratio inside the cabin digitally between 21-65% over the LCD or EL screen.”

	The following amendment is requested; *"In accordance to the central or auxiliary system, there shall be a mechanism that enriches the amount of oxygen in the inlet air at certain ratios and it shall be possible to adjust the oxygen ratio inside the cabin digitally between 21-65% over the colour touchscreen LCD screen."* *As per our explanation in item 8.2.4, EL screen option should be removed*
Answer 178:	The item will remain same as the technical spesifications.
Question 179:	Item **8.2.4**, "The adjustments of the device shall be possible to be made and monitored over at least a 7" (inch) (diagonally) coloured touchscreen TFT LCD or at least 5" (inch) LCD screen or at least 5" (inch) monochrome El (bichrome Electro Luminescent) graphic screen. The screen technology of the device shall allow easy viewing of all parameters and alarms from different angles. *Adding the following sentence at the end of clause is requested;* *"...The user must be able to enter the name / surname, date of birth and gender of the baby in the incubator through the screen, and this information should be continuously displayed on the screen."*
Answer 179:	The item will remain same as the technical spesifications.
Question 180:	Item **8.2.4**, "The adjustments of the device shall be possible to be made and monitored over at least a 7" (inch) (diagonally) coloured touchscreen TFT LCD or at least 5" (inch) LCD screen or at least 5" (inch) monochrome El (bichrome Electro Luminescent) graphic screen. The screen technology of the device shall allow easy viewing of all parameters and alarms from different angles. *The following amendment is requested;* *The adjustments of the device shall be possible to be made and monitored over at least a **7" (inch) (diagonally) coloured touchscreen LCD of TFT - LCD**. The screen technology of the device shall allow easy viewing of all parameters and alarms from different angles.* *Reason:* *a. EL monochrome screen is old technology and should be removed from specs.* *b. LCD and TFT-LCD are similar technology and LCD screen is not expensive than TFT-LCD to make it smaller.*
Answer 180:	The item will remain same as the technical spesifications.
Question 181:	Item **8.2.7**, "The device shall have an air and baby mode. The LCD or EL screen shall indicate the mode that is on. The temperature set for the active mode and measured actual temperature shall be simultaneously visible on the front panel or screen *Adding the following sentence at the end of clause is requested;* *"....The device should have smart screen mode. With this mode, at least 4 monitoring, air temperature screen, skin temperature screen, humidity / oxygen ratio screen and balance screen, can be selected and displayed on the screen individually with capital letters and numbers. The display can also be rotated right and left."*
Answer 181:	The item will remain same as the technical spesifications.
Question 182:	Item **8.2.7**, "The device shall have an air and baby mode. The LCD or EL screen shall indicate the mode that is on. The temperature set for the active mode and measured actual temperature shall be simultaneously visible on the front panel or screen." *The following amendment is requested;*

	The device shall have an air and baby mode. The colour touch screen LCD screen shall indicate the mode that is on. The temperature set for the active mode and measured actual temperature shall be simultaneously visible on the front panel or screen. *Removing "EL screen" option from the clause is requested.*
Answer 182:	The item will remain same as the technical spesifications.
Question 183:	Item **8.2.13**, "In case the water level in the device is decreased or the moisture sensor is broken, the device shall give an alarm and warn the user. The moisture level inside the cabin shall be adjusted over the integrated LCD or EL screen, between 30% and 95%, with a maximum level of 5%. The set and realized moisture levels shall be possible to be viewed on the integrated LCD or EL screen separately or at the same time. *Adding the following sentence at the end of clause is requested;* *"...The shortcut menu should be available for easy use, so you should be able to select 40%, 60% and 80% humidity settings with one button from this menu."*
Answer 183:	The item will remain same as the technical spesifications.
Question 184:	Item **8.2.13**, "In case the water level in the device is decreased or the moisture sensor is broken, the device shall give an alarm and warn the user. The moisture level inside the cabin shall be adjusted over the integrated LCD or EL screen, between 30% and 95%, with a maximum level of 5%. The set and realized moisture levels shall be possible to be viewed on the integrated LCD or EL screen separately or at the same time." *The following amendment is requested;* *In case the water level in the device is decreased or the moisture sensor is broken, the device shall give an alarm and warn the user. The moisture level inside the cabin shall be adjusted over the integrated colour touchscreen LCD screen, between 30% and 95%, with a maximum level of 5%. The set and realized moisture levels shall be possible to be viewed on the integrated LCD separately or at the same time.* *Removing "EL screen" option from the clause is requested.*
Answer 184:	The item will remain same as the technical spesifications.
Question 185:	Item **8.2.18**, "The dimensions of the baby bed tray where the baby is placed inside the incubator shall be at least 3100 cm^2 and over. The bed shall be water proof and wipe-able. There shall be a place to put an x-ray tape underneath the bed." *The following amendment is requested;* *The dimensions of the baby bed tray where the baby is placed inside the incubator shall be at least 2800 cm2 and over. The bed shall be water proof and wipe-able. There shall be a place to put an x-ray tape underneath the bed.* *There is not big difference between 3100 and 2800 cm^2 baby bed. So, 2800 cm^2 bed size is well enough and doesn't affect any functionality of the incubator.*
Answer 185:	The item will remain same as the technical spesifications.
Question 186:	Item **8.2.21**, "The device shall have a servo controlled oxygen supply system. The inner-cabin oxygen ratio of the device shall be adjustable at least between 21%-65% with a maximum of 1% (one percent) grades over the LCD or EL graphic screen." *The following amendment is requested;*

	*The device shall have a servo controlled oxygen supply system. The inner-cabin oxygen ratio of the device shall be adjustable at least between 21%-65% with a maximum of 1% (one percent) grades over the **LCD touchscreen** graphic screen.* *Removing "EL screen" option from the clause is requested.*
Answer 186:	The item will remain same as the technical spesifications.
Question 187:	Item **8.2.35**, "The device shall have a memory system, and on the control panel screen, it shall be possible to call and monitor all changes that took place in the inner-cabin air temperature, baby skin temperature, oxygen and moisture ratios that took place during the past 2, 8 and 24 hours. *Adding "....and 24 days" at the end of the clause is requested.* *REASON:* *If the memory feature is extended in long-term baby monitoring, the user will be able to give more detailed information about the baby.*
Answer 187:	The item will remain same as the technical spesifications.
Question 188:	Item **8.2.36**, "To prevent formation of bacteria, muff and other similar things in the incubator, all parts related to the moisturizing system (water vessel, heating resistance, heating block etc.) shall be easily and fully removable and sterilisable from the device, without requiring any tools to be used by the operator." Suggested clause, *"To prevent formation of bacteria, muff and other similar things in the incubator, the moisturizing system shall be easily and fully removable and sterilisable from the device, without requiring any tools to be used by the operator."* *REASON:* *Operations may differ depending on the technology used.*
Answer 188:	The item will remain same as the technical spesifications.
Question 189:	Item **8.2.36**, "To prevent formation of bacteria, muff and other similar things in the incubator, all parts related to the moisturizing system (water vessel, heating resistance, heating block etc.) shall be easily and fully removable and sterilisable from the device, without requiring any tools to be used by the operator." Suggested Clause, *"To prevent formation of bacteria, muff and other similar things in the incubator;* *If the heater element is entering into water tank for humidification, allp arts related to moisturizing system including water tank, heating resistance, heating block, etc shall be easily and fully removable and sterilisable from the device, without requiring any tools to be used by the operator.* *If the heater is not entering into water tank, the water tank and its parts shall be easily and fully removable and sterilisable from the device, without requiring any tools to be used by the operator."* This item is limiting competition. Because; The working temperature of the **heating resistance** and **heating block** reaches to 160°C in every operation. So, in old technology with open humidification, heating elements enter directly to water (like a kettle) and needs to cleaned and sterilise, but it carry high risk of burn for the nurses try to remove these elements before cool-down. In modern incubators which are using closed or semi closed humidification system; a. Auto cleaning mode is used and no part is removed for sterilization b. Only water tank is sterilized but, and no need to remove and sterilisation of **heating resistance** and **heating block**

Answer 189:	The item will remain same as the technical spesifications.
Question 190:	Item **8.2.38**, "The device shall be able to transfer the temperature parameters to a hemodynamic monitor that is the same brand as the incubator, and the integrated screen displaying these parameters shall be a minimum of 7" colour and touchscreen TFT LCD, or the screen displaying these parameters shall be on the upper part of the cabin (Monochrome (bi-colour) LCD screens will be left out of consideration.)" *"Removal from technical spesification" is requested*
Answer 190:	The item will remain same as the technical spesifications.
Question 191:	Item **8.2.39**, "The system shall be able to display the below given parameters over its own screen integrated to the incubator or over an external device with a TFT LCD screen. For devices without this system, each device shall be supplied with a Pulse Oximeter device that bears the following features. • The oxygen saturation inside the baby's abdomen (provided as a standard) • Baby's pulse (provided as a standard) • Perfusion Index, in numeric (provided as a standard) • Perfusion index (PI) shall be numerically measured between 0.02% and 20%. *Instead of "abdomen" statement, "blood" is requested.* *REASON:* *We think it is a translation or spelling mistake. Oxygen saturation (saturation) is determined by measuring the blood as a standard.*
Answer 191:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 192:	Item **8.2.39**, "The system shall be able to display the below given parameters over its own screen integrated to the incubator or over an external device with a TFT LCD screen. For devices without this system, each device shall be supplied with a Pulse Oximeter device that bears the following features. • The oxygen saturation inside the baby's abdomen (provided as a standard) • Baby's pulse (provided as a standard) • Perfusion Index, in numeric (provided as a standard) • Perfusion index (PI) shall be numerically measured between 0.02% and 20%. *Changing the first bullet with the following is requested;* *The oxygen saturation single use probe with extension cable for the baby's skin finger through infrared light absorbtion method. (provided as a standard)*
Answer 192:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 193:	Item **8.2.39**, "The system shall be able to display the below given parameters over its own screen integrated to the incubator or over an external device with a TFT LCD screen. For devices without this system, each device shall be supplied with a Pulse Oximeter device that bears the following features. • The oxygen saturation inside the baby's abdomen (provided as a standard) • Baby's pulse (provided as a standard)

	• Perfusion Index, in numeric (provided as a standard) • Perfusion index (PI) shall be numerically measured between 0.02% and 20%." *Changing "0.02% and 20%" statement as "0.02 and 20" is requested. Because The Perfusion Index is not a percentage but value.*
Answer 193:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 194:	Item **8.2.40**, The system shall also be able to optionally measure the following parameters over its screen integrated to the incubator or over the TFT LCD screen of the external device that is supplied, • Carboxy Haemoglobin in Baby • Met Hemoglobin *Adding the following statement at the end of clause is requested;* *"...or an IV pole to mount a monitor to display said parameters. And also manufacturer should have same brand infant monitoring solutions."*
Answer 194:	The item will remain same as the technical spesifications.
Question 195:	Item **9.2.25**, "There shall be a ventilator device integrated or mounted on the incubator, the device shall be gas-powered and shall not require electrical power. Suggested clause, *"There shall be a ventilator device integrated or mounted on the incubator, the device shall be gas-powered and shall be digitally monitoring."* *Reason: Neonatal and premature patients monitoring of pressure and volume values are very important for the patient health.*
Answer 195:	The item will remain same as the technical spesifications.
Question 196:	Item **9.2.30**, "It shall provide the following values. a. Tidal volume: 0 - 660 ml b. Pressure limit: 0 - 70 cmH20 c. Respiration frequency : 2-120 bpm d. PEEP / CPAP: 0 - 18 cmH20 e. Oxygen concentration: 21% - 100% f. Inspiration period: 0.2-2 seconds From g. Expiration period: 0.25 - 2.5 seconds" Suggested clause, *"It shall provide the following values* *a. Measured Tidal volume display: 0 - 660 ml* *b. Pressure limit: 0 - 60 cmH20* *c. Respiration frequency : 2-100 bpm* *d. PEEP / CPAP: 0 - 18 cmH20* *e. Oxygen concentration: 21% - 100%* *f. Inspiration period: 0.2-2 seconds From* *g. Expiration period: 0.4 - 30 seconds"* *Reason*

	As digital monitoring is important for the baby to be monitored more reliable, the device should be able to read in the above limit range.
Answer 196:	The item will remain same as the technical spesifications.
Question 197:	Item **10.2.2**; May the item revised as "*The medical gases or gas(oxygen or medical air) required for the operation of the ventilator must be available from the central gas system. The device must operate with oxygen and air within the rage of at least 3-5,5 bar. If necessary, these medicinal gases must be able to be supplied from the compressor or built-in turbine system or from the tube with suitable pressure regulators."?*
Answer 197:	The item will remain same as the technical spesifications.
	Item **10.2.2**; May the item revised as "*The medical gases or gas (oxygen and medical air) required for the operation of the ventilator must be available from the central gas system. The device must operate with oxygen and air within the rage of at least 3-5,5 bar. If necessary, these medicinal gases must be able to be supplied from the compressor or from the tube with suitable pressure regulators."?*
	The item will remain same as the technical spesifications.
Question 198:	Item **10.2.9**; May the item revised as "*The device must operate in the ventilation modes specified in the subclauses. Each ventilation mode must be selectable on the same screen.* *a) Volume-targeted ventilation modes: VC or IPPV or CMV or VC-CMV* *b) Pressure-targeted ventilation modes: In addition to the Pressure Control mode, BIPAP or Bi-Level or Bi-Vent or Bi-phasic or DuaPAP or Duolevel or DualPAP or Dyn-BILEVEL* *c) APRV or APRV / Bi-Vent or DUOPAP* *d) Closed loop ventilation modes: Pressure controlled/assisted ventilation modes where the pressure control/ upport level can be automatically set by the device to reach the target tidal/minute volume; PC-CMV-VG or PRVC or ASV* *e) Volume support* *f) Autoflow or SIMV (PRVC) or SIMV (APV)* *g) Spontaneous ventilation modes: CPAP-PS or CPAP-ASB or Spontaneous* *h) Combined ventilation modes: SIMV (VC) + PS and/or SIMV (PCI + PS) or VC-SIMV* *i) Endotracheal and tracheostomy "Tube ResistanceCompensation" (TRC/ATC/ARC/TC) shall be available in the device. On this count, the user can directly adjust the tube diameter and compensation percentage or the device shall have the feature of circuit compliance compensation that can be turned on and off"?*
Answer 198:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 199:	Item **10.2.9**; May the item revised as "*The device must operate in the ventilation modes specified in the subclauses. Each ventilation mode must be selectable on the same screen.* *a) Volume-targeted ventilation modes: VC or IPPV or CMV or VC-CMV* *b) Pressure-targeted ventilation modes: In addition to the Pressure Control mode, BIPAP or Be- Level, Bi-Level or Bi-Vent or Bi-phasic or DuaPAP or Duolevel or DualPAP or Dyn-BILEVEL*

	c) APRV or APRV / Bi-Ventor or Be-Level *d) Closed loop ventilation modes: Pressure controlled/assisted ventilation modes where the pressure control/ upport level can be automatically set by the device to reach the target tidal/minute volume; PC-CMV-VG or PRVC or ASV or PCV* *e) Volume support* *f) Autoflow or SIMV (PRVC) or SIMV (APV) or AVM* *g) Spontaneous ventilation modes: CPAP-PS or CPAP-ASB or Spontaneous or PSV* *h) Combined ventilation modes: SIMV (VC) + PS and/or SIMV (PCI + PS) or VC-SIMV* *i)Endotracheal and tracheostomy "Tube ResistanceCompensation" (TRC/ATC/ARC/TC) shall be available in the device. On this count, the user can directly adjust the tube diameter and compensation percentage or the device shall have the feature of circuit compliance compensation that can be turned on and off"?*
Answer 199:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 200:	Item **10.2.9**; May the item revised as "*The device must operate in the ventilation modes specified in the sub clauses. Each ventilation mode must be selectable on the same screen.* *a) Volume-targeted ventilation modes: VC or IPPV or CMV* *b) Pressure-targeted ventilation modes: In addition to the Pressure Control mode, BIPAP or Bi-Level or Bi-Vent or Bi-phasic or DuaPAP or Duolevel or DualPAP or Dyn-BILEVEL* *c) APRV or APRV / Bi-Vent* *d) Closed loop ventilation modes:Pressure controlled/assisted ventilation modes where the pressure control/ upport level can be automatically set by the device to reach the target tidal/minute volume; PPS or PRVC or ASV* *e) Volume support* *f) MMV Autoflow Or SIMV (PRVC) or SIMV (APV)* *g) Spontaneous ventilation modes: CPAP-PS or CPAP-ASB or Spontaneous* *h) Combined ventilation modes: SIMV (VC) + PS and/or SIMV (PCI + PS)* *i) Ventilators must have either Tube Compensation (TRC/ATC/ARC/TC) or circuit leak compensation (capable of measuring resistance and compliance in the patient circuit)."?*
Answer 200:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 201:	Item **10.2.9**; May the item revised as "*The device must operate in the ventilation modes specified in the subclauses. Each ventilation mode must be selectable on the same screen.* *a) Volume-targeted ventilation modes: VC or IPPV or CMV* *b) Pressure-targeted ventilation modes: In addition to the Pressure Control mode, BIPAP or Bi-Level or Bi-Vent or Bi-phasic or DuaPAP or Duolevel or DualPAP or Dyn-BILEVEL* *c) APRV or APRV / Bi-Vent*

	d) Closed loop ventilation modes: Pressure controlled/assisted ventilation modes where the pressure control/ upport level can be automatically set by the device to reach the target tidal/minute volume; PC-CMV-VG or PRVC or ASV *e) Volume support* *f) Autoflow or SIMV (PRVC) or SIMV (APV) or APCV-TV* *g) Spontaneous ventilation modes: CPAP-PS or CPAP-ASB or Spontaneous* *h) Combined ventilation modes: SIMV (VC) + PS and/or SIMV (PCI + PS)?*
Answer 201:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 202:	Item **10.2.9**; The device should have endotracheal and tracheostomy tube resistance Compensation (TRC/ATC/ARC/TC). The user should be able to set tube diameter and compensation percentage directly. This is a high level feature which is developed to prevent or reduce resistance arising from the tube and which improves patient-ventilator compliance. The feature of "openable and closable circuit compliance compensation" connected with and/or, is standard in all new generation devices, apart from being opened and closed. Thanks to this feature leakage in the patient circuit and resistance is compensated. By writing this feature in this article as openable and closable, XX company is provided with advantage. Although being opened and closed is in most cases a disadvantage, due to this feature which is possessed only by XX company, other companies have been forced to propose another expensive option although they had the standard feature of circuit compliance compensation. The feature of "The device should have endotracheal and tracheostomy tube resistance Compensation (TRC/ATC/ARC/TC). The user should be able to set tube diameter and compensation percentage directly." and the feature of circut compliance compensation are two different features which can not replace each other. Since servo i model ventilator does not have the feature required in Part 1, drawing up this article in this way has caused cost disadvantage for the other participating companies. May the item revised as ".... *The device should have endotracheal and tracheostomy tube resistance Compensation (TRC/ATC/ARC/TC). Owing to that, the user should be able to adjust tube resistance compensation and diameter, compensation percentage directly or the device should feature circuit compliance compensation."?*
Answer 202:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 203:	Item **10.2.9 (i)**; May the item revised as "*The devices should have endotracheal and tracheostomy "Tube ResistanceCompensation (TRC/ATC/ARC/TC). This enables the user to set tube resistance compensation and diameter compensation percentage directly or the devices should have circuit compliance compensation feature."*
Answer 203:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 204:	Item **10.2.10**; May the item revised as "*The device must have NIV mode or NIV feature"?*
Answer 204:	The item will remain same as the technical spesifications.
Question 205:	Item **10.2.11**; May the item revised as "*The device must operate in the ventilation modes specified in the subclauses. Each ventilation mode must be selectable on the same screen.* *a) Volume-targeted ventilation modes: VC or IPPV or CMV*

	b) Pressure-targeted ventilation modes: In addition to the Pressure Control mode, BIPAP or Bi-Level or Bi-Vent or Bi-phasic or DuaPAP or Duolevel or DualPAP or Dyn-BILEVEL *c) APRV or APRV / Bi-Vent* *d) Closed loop ventilation modes: Pressure controlled/assisted ventilation modes where the pressure control/ upport level can be automatically set by the device to reach the target tidal/minute volume; PC-CMV-VG or PRVC or ASV* *e) Volume support* *f) Autoflow or SIMV (PRVC) or SIMV (APV) or APCV-TV* *g) Spontaneous ventilation modes: CPAP-PS or CPAP-ASB or* *Spontaneous* *h) Combined ventilation modes: SIMV (VC) + PS and/or SIMV (PCI + PS)"?*
Answer 205:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 206:	Item **10.2.11**; May the item revised as "*At least one of the following features must be added to the device when requested, the issuance of a catalogue confirmation regarding the matter shall be sufficient for acceptance and inspection. This feature to be added shall not exceed 30% of the unit price obtained through the update of unit price based on Turkish Statistical Institute Price Index* *a) Ventilation feature by means of which EtCO2 and SPO2, SPCO 2 measurement can be continuously made in ventilation mode, the ideal ventilation parameters can be set with the software uploaded and PEEP level and oxygen level inhaled by the user at certain intervals can automatically set, or* *b) The feature of expiratory lung volume (EELV) with single or sequential measurements in the lungs and of the identification of the changes in measured PEEP value together with the effect of FRC values through this, and the automatic PEEP titration feature and indirect calorimetry feature that optimizes the ideal PEEP level for the patient, or* *c) The feature by means of which the patient's respiratory cycle is initiated at any time upon request of the patient by measuring the diaphragm Electrical Activity (EDI) signals of the patient with a catheter in spontaneously-breathing patients and respiration rate and tidal volume is controlled by the patient and the respiratory cycle is completed by providing patient-ventilator compliance, or* *d) The software of the ventilator by means of which the patient is kept in the comfort zone of normal ventilation and the information is provided as regards whether the patient is ready to disconnect from the device by performing trend follow-up of the PEEP values, Pmax, EtCO2 parameter correlation and the number of respirations of the patient so that the patient can automatically prepare for weaning, and the mod to provide respiratory support to spontaneous respiratory patients in variable to respiratory rate (VPS- Variable Presure Support)"?*
Answer 206:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 207:	Item **10.2.11**; May the item revised as "*At least one of the following features must be added to the device when requested, the issuance of a catalogue confirmation regarding the matter shall be sufficient for acceptance and inspection. This feature to be added shall not exceed 30% of the unit price obtained through the update of unit price based on Turkish Statistical Institute Price Index*

	a) Ventilation feature by means of which EtCO2 and SPO2, SPCO2 measurement can be continuously made in ventilation mode, the ideal ventilation parameters can be set with the software uploaded and PEEP level and oxygen level inhaled by the user at certain intervals can automatically set, or *b) The feature of expiratory lung volume (EELV) with single or sequential measurements in the lungs and of the identification of the changes in measured PEEP value together with the effect of FRC values through this, and the automatic PEEP titration feature and indirect calorimetry feature that optimizes the ideal PEEP level for the patient, or* *c) The feature by means of which the patient's respiratory cycle is initiated at any time upon request of the patient by measuring the diaphragm Electrical Activity (EDI) signals of the patient with a catheter in spontaneously-breathing patients and respiration rate and tidal volume is controlled by the patient and the respiratory cycle is completed by providing patient-ventilator compliance, or* *d) The software of the ventilator by means of which the patient is kept in the comfort zone of normal ventilation and the information is provided as regards whether the patient is ready to disconnect from the device by performing trend follow-up of the PEEP values, Pmax, EtCO2 parameter correlation and the number of respirations of the patient so that the patient can automatically prepare for weaning, and the mod to provide respiratory support to spontaneous respiratory patients in proportional to respiratory rate, or* *e) Ventilation feature by means of which breath type and respiration rate of the patients are calculated according to changing respiratory needs of patients and changing respiratory needs of patient are calculated according to breath timing, and accordingly, the ventilator support is changed in a way to meet these needs of the patient and the support level to prevent patient fatigue is automatically calculated with breathing work (WOB) feedback,or* *f) The device must have a 15 "(inch) touch-screen display, a built-in compressor, and the software must be suitable for future upgrades."?*
Answer 207:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question208:	Item **10.2.17**; May the item revised as "*In the pressure-controlled ventilation mode, the inspiratory pressure or peak pressure must be adjustable in the range of **1**-90 cmH20."?*
Answer 208:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 209:	Item **10.2.18**; May the item revised as "*In spontaneous ventilation mode, the inspiratory pressure support level must be adjustable to a minimum of 5 or a closed -60 cmH2O."?*
Answer 209:	The item will remain same as the technical spesifications.
Question 210:	Item **10.2.18**; May the item revised as "*In spontaneous ventilation mode, the inspiratory pressure support level must be adjustable to a minimum of 6 or a closed -55 cmH2O."?*
Answer 210:	The item will remain same as the technical spesifications.
Question 211:	Item **10.2.20**; May the item revised as "*PEEP in the device must be adjustable at least within the range of 0-25 cm H_2O."?*
Answer 211:	The item will remain same as the technical spesifications.

Question 212:	Item **10.2.21**; May the item revised as *"There must be pressure trigger between at least (-10) - (- 1) (minus ten - minus one) cmH_2O or flow trigger between at least 0.5-15 lt / min flow trigger."?*
Answer 212:	The item will remain same as the technical spesifications.
Question 213:	Item **10.2.21**; May the item revised as *"There must be pressure trigger between at least -10 - (- 0.25) (minus ten - minus zero point twenty-five) cmH2O or flow trigger between at least 1-10 lt / min flow trigger."?*
Answer 213:	The item will remain same as the technical spesifications.
Question 214:	Item **10.2.24**; May the item revised as *"The device must have an electronic event recording system which can record at least 100 records. In this system, ventilation values and alarm information can be monitored."?*
Answer 214:	The item will remain same as the technical spesifications.
Question 215:	Item **10.2.26**; May the item revised as *"The patient can be kept waiting for at least 10 seconds after inspiration or expiration."?*
Answer 215:	The item will remain same as the technical spesifications.
Question 216:	Item **10.2.31**; May the item revised as *"The device must have a coloured, touchscreen display of at least 8.4" (eight dot four) inches in nominal size. The selected ventilation mode shall be made via this screen, any kind of setting shall be made via rotary knob or touchscreen."?*
Answer 216:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 217:	Item **10.2.31**; May the item revised as *"The device must have a coloured, touchscreen display of at least 15 "(fifteen) in nominal size. The selected ventilation mode shall be made via this screen, any kind of setting shall be made via rotary knob or touchscreen. In addition, this screen shall be removed from the device and installed onto pendant or columns by the end user easily. This installation shall be made by the manufacturer free of charge when requested. The screen size is small and the external screens used to enlarge the screen will not be accepted"?*
Answer 217:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 218:	Item **10.2.31**; May the item revised as *"The device must have a coloured, touchscreen display of at least 12"(twelve) inch nominal size. The selected ventilation mode shall be applied via this screen, any kind of setting shall be applied via rotary knob or touchscreen. The screen size is small and the external screens used to enlarge the screen will not be accepted. In addition, this screen shall be removed from the device and installed onto pendant or columns, and this installation (including engineering, labour, transportation, accommodation etc.) shall be made free of charge when requested.This feature will not be required for devices which have 15"(inches) screens and built-in compressors."?*
Answer 218:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 219:	Item **10.2.32**; May the item revised as *"From the device screen, the following parameters of the patient can be monitored.* *a) Respiratory parameters*

	b) Waveforms (volume-time, flow-time, pressure-time) *c) Loops (volume-pressure, flow-volume)* *d) Trends for at least 24 (twenty-four) hours* ***e)** At least 2 different waveforms and 2 different loops at the same time* *f) Ventilators must have at least 5 (five) different screen layouts"?*
Answer 219:	The item will remain same as the technical spesifications.
Question 220:	Item **10.2.32**; All advanced ventilators have pressure-flow loop. This is the loop which clinicians need most. Therefore we ask this loop to be included in tender specs. With current tender specs all firms other than XX have to participate with their high segment devices but XX can participate with its low segment device when pressure-flow loop is not included in specs. XX has pressure-flow loop in its high segment device but not in low segment device. This creates great cost advantage for XX and eliminates chance of competition. May the item revised as "*From the device screen, the following parameters of the patient can be monitored.* *a) Respiratory parameters* *b) Waveforms (volume-time, flow-time, pressure-time)* *c) Loops (volume-pressure, pressure-flow, flow-volume, volüme-etCO2)* *d) Graphic Trends for at least 96 (ninety-six) hours* *e) At least 3 different waveforms at the same time"?*
Answer 220:	The item will remain same as the technical spesifications.
Question 221:	Item **10.2.32**; All advanced ventilators have pressure-flow loops. The loop type which is mostly needed by user clinicians is the pressure-flow loop. Therefore, we request this be incorporated into this article. Whereas all companies except for XX can join the current form of the specifications with their high technology products, XX company whose high technology devices have pressure-flow loops but who do not have low-level devices gains a a substantial price advantage and eliminates the competition opportunities of all its competitors. May the item revised as "*It should be possible to monitor following parameters of the patient on device screen.* *a) Respiration parameters* *b) Wave forms (volume-time, flow-time, pressure-time)* *c) Rings (volume-pressure, pressure-flow, flow-volume, volume-etco2)* *d) Graphic trends for at least 96 (ninety six) hours* *e) At least 3 (three) simultaneous wave forms"?*
Answer 221:	The item will remain same as the technical spesifications.
Question 222:	Item **10.2.33**; May the item revised as "*The device can monitor the parameters contained in the subheadings* *a) Oxygen concentration measured and set at percentage* *b) Airway peak, mean and positive end-expiratory pressure values* *c) Adjusted and measured value of respiratory frequency in controlled ventilation* *d) Concentration of minute volume, inspiration or expiration tidal volume* *e) Resistance or inspiratory resistance* *f) SBI or RSBI or RSB* *g) P0.1 or P100*

	h) Elastance or C lung or PTP or C/kg or C20/C *ı) Total PEEP or AutoPEEP (Intrensek PEEP)* *i) WOB or NIF or WOBimp* *j) Time constant: Te or Taue or RCexp or RCinsp* *k) MVe and sp/MVe or Vds/VTe or VTe/VTe spont or VDaw/VTE or TVe/IBW or VteSpontan/kg or Vte/kg or MVsp%* *l) If Disposable balloon, sensor, catheter, etc. are required for the desired measurements, at least 50 (fifty) pieces shall be given for each device if necessary. These properties must be confirmed in the original documents of the product.* *m) Static Compliance"?*
Answer 222:	The item will remain same as the technical spesifications.
Question 223:	Item **10.2.33**; May the item revised as "*The device can monitor the parameters contained in the subheadings* *a) Oxygen concentration measured and set at percentage* *b) Airway peak, mean and positive end-expiratory pressure values* *c) Adjusted and measured value of respiratory frequency in controlled ventilation* *d) Concentration of minute volume, inspiration or expiration tidal volume* *e) Resistance or inspiratory resistance* *f) Elastance or C lung or PTP or C/kg or C20/C or Cstat and Cdyn or PEFR or C* ***static compliance available*** *g) Total PEEP or AutoPEEP (Intrensek PEEP) or PEEP* *h) WOB or NIF or WOBimp or MAP* *ı) Time constant: Te or Taue or RCexp or Rcinsp or Tinsp and Texp* *i) MVe or sp/MVe or Vds/VTe or VTe/VTe spont or VDaw/VTE or TVe/IBW or VteSpontan/kg or Vte/kg or MVsp%* *j) If Disposable balloon, sensor, catheter, etc. are required for the desired measurements, at least 50 (fifty) pieces shall be given for each device if necessary. These properties must be confirmed in the original documents of the product."?*
Answer 223:	The item will remain same as the technical spesifications.
Question 224:	Item **10.2.34**; May the item revised as "*For patient safety and infection control, the parts on the expiratory line and in contact with the patient breathe (flow sensor, expiration valve, valve holder, diaphragm, water trap, heat sensor/probe, thermal cap, etc.) shall be made of reusable materials and shall be able to be sterilized at 134 degrees by steam autoclaving or cold sterilisation possible.* *a) The reusable material used in the device's expiration line (flow sensor, expiration valve, expiration valve, valve holder, diaphragm, water holder, heat sensor/probe, thermal cap etc.) shall be provided as 2 pieces as spare part of the expiration line according to the user manual.* *b) Companies may offer oxygen or flow sensor as expiry or non-expiry. The companies that offer expiry (with shelf life) or non-expiry (in case of corruption) oxygen and flow sensor shall provide the sensors (oxygen and flow) free of charge during the warranty period, and they also commit to replace oxygen and flow sensor, including engineering, free of charge. This commitment shall be submitted at the signing of the contract (this commitment shall not have the force of competency). If*

	the sensors fail, they shall be replaced within 24 hours or need to replace it time to time after the shelf life is over *c) During the warranty period, the oxygen sensor, flow sensor, maintenance kit, calibration gas, filters and etc. materials and engineering services shall be provided free of charge."?*
Answer 224:	The item will remain same as the technical spesifications.
Question 225:	Item **10.2.34**; May the item removed from the technical spesifications?
Answer 225:	The item will remain in the technical spesifications.
Question 226:	Item **10.2.35**; May the item removed from the technical spesifications?
Answer 226:	The item will remain in the technical spesifications.
Question 227:	Item **10.2.36**; May the item removed from the technical spesifications?
Answer 227:	The item will remain in the technical spesifications.
Question 228:	Item **10.2.37**; May the item revised as "*The device shall have original wheeled-trolley. At least two of the wheels shall have locking mechanism. In addition, along with each device, one-each original patient circuit transporting car shall be provided. This feature will not be required for devices that have 15"(inches) and internal compressors."?*
Answer 228:	The item will remain same as the technical spesifications.
Question 229:	Item **10.2.37**; May the item revised as "*There must be at least 1 RS232 or COM port in the device."?*
Answer 229:	The item will remain same as the technical spesifications.
Question 230:	Item **10.2.38**; May the item removed from the technical spesifications?
Answer 230:	The item will remain in the technical spesifications.
Question 231:	Item **10.2.40**; May the item revised as "*For each device, 1 (one) reusable respiration circuit, 1 (one) adult test lung shall be provided. Test lung should be composed of at least the balloon and the flexible material on it. 10 reusable flow sensors used depending on the technology of the device should be provided together with each device (flow sensor, cassette, etc.)"?*
Answer 231:	The item will remain same as the technical spesifications.
Question 232:	Item **10.2.41**; Flow sensors are parts that break down the most. Flow sensors should be replaced regularly. Firms give high price quotations for sigle part sales considering transportation cost. (As seen in MKYS prices a sigle flow sensor can be sold as high as 1000 Euros). If flow sensors are purchased collectively with this tender this will create advantage for firms and customers. Purchase duration and down time during purchasing also high prices would cause problems for customers. In order to prevent extra cost of usage in the future and down time revising this part this way will lead to great advantage for our instituions. May the item revised as "*One reusable breathing circuit and one adult test lung should be delivered with each device. Test lung should be consisted of at least a balloon and flexible material around it. 10 flow sensors should be delivered with each device(flow sensor or cassette according to device technology)."?*
Answer 232:	The item will remain same as the technical spesifications.

Question 233:	May a new item inserted to the general spesiciations as "*Each ventilator shall have a feature that allows the opening and closing pressures of the lungs to be monitored during ventilation and the optimum PEEP values to be determined; the artificial airway between the ventilator and the patient's lung should be characterized by either eliminating the resistance independently of the flow (by measuring the tracheal pressure) or by automatically drawing the low-flow pressure volume loop curve or by an automatic recruitment (PEEP titration)"?*
Answer 233:	No such item is inserted to the general spesifications.
Question 234:	Item **11.2.1**."The device shall only be designed for the neonatal-pediatric patient group. Devices for adult patient group shall not be accepted" Suggested Clause, *"It must be possible to add HFO mode or feature to the devices in the future. If HFO is added, nHFO or SPN-PPS mode will be given as standard in the devices."*
Answer 234:	The item will remain same as the technical spesifications.
Question 235:	Item **11.2.1**."The device shall only be designed for the neonatal-pediatric patient group. Devices for adult patient group shall not be accepted" Suggested Clause *The device shall only be designed for the neonatal-pediatric from 500 gr to 30 kg patient group. Devices for adult patient group shall not be accepted*
Answer 235:	The item will remain same as the technical spesifications.
Question 236:	Item **11.2.2**., "The device shall operate at 220 V 50 Hz mains voltage and shall not be affected by +/- 10% voltage fluctuations." Suggested Clause, "*The device must operate at 220 V 50 Hz mains voltage and must not be affected by +/- 10% voltage fluctuations. Furthermore it must be equipped an internal battery of minimum 30 minutes againstany blackout risk."* **Reason** No internal battery is mentioned about the device and this requirement should be expanded and corrected as "the device must be equipped an internal battery of minimum 30 minutes against any problems that may take place in case of any blackout. Battery capacity of the device that we will offer is longer than 200 minutes.
Answer 236:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 237:	Item **11.2.4**. "The device must be completely compact. All parameter settings and measurement-related values must be made from the coloured 17-inch touchscreen TFT monitor, which will be included in the ventilator, or the 10-inch internal colour monitor, where the humidification function can be controlled internally by the ventilator. Systems that will provide an external display shall not be accepted." Suggested Clause, "*The device must be completely compact. All parameter settings and measurement-related values must be monitored from a minimum coloured 12-inch LCD display, which will be included in the ventilator. The internal humidification function mentioned in the article is not an advantage but a disadvantage. In addition to not being able to perform 100% humidification, the user is made dependent to the circuit and chamber. If such requirement is amended as "the device must have a minimum coloured 12-inch LCD display, it will also increase the competition."*

Answer 237:	The item will remain same as the technical spesifications.
Question 238:	Item **11.2.4**, "The device must be completely compact. All parameter settings and measurement-related values must be made from the coloured 17-inch touchscreen TFT monitor, which will be included in the ventilator, or the 10-inch internal colour monitor, where the humidification function can be controlled internally by the ventilator. Systems that will provide an external display shall not be accepted" Suggested Clause, *" The devicec should have a compact structure. All parameter settings should be made from internal or external 12 inches monitor and all measured values should be monitored from internal or external 12 inches monitor."*
Answer 238:	The item will remain same as the technical spesifications.
Question 239:	Item **11.2.4**. "The device must be completely compact. All parameter settings and measurement-related values must be made from the coloured 17-inch touchscreen TFT monitor, which will be included in the ventilator, or the 10-inch internal colour monitor, where the humidification function can be controlled internally by the ventilator. Systems that will provide an external display shall not be accepted." Suggested Clause, "*The device must be completely compact. All parameter settings and measurement-related values must be made from the coloured 12-inch touchscreen TFT monitor, which will be included in the ventilator.*
Answer 239:	The item will remain same as the technical spesifications.
Question 240:	Item **11.2.4**. "The device must be completely compact. All parameter settings and measurement-related values must be made from the coloured 17-inch touchscreen TFT monitor, which will be included in the ventilator, or the 10-inch internal colour monitor, where the humidification function can be controlled internally by the ventilator. Systems that will provide an external display shall not be accepted." Suggested Clause, "*The device must be completely compact. All parameter settings or measurement-related values should be made or monitored through external or bulit-in 12 inch monitor of ventilator."*
Answer 240:	The item will remain same as the technical spesifications.
Question 241:	Item **11.2.5**, "The device must operate in the following ventilation modes or features with the following names. The desired features must match one another with the names mentioned below. • Continuous Positive Airway Pressure (CPAP) feature and nasal CPAP mode • Controlled mechanical ventilation (CMV) or IMV • A/C • SIMV (Synchronised Intermittent Mandatory Ventilation) • PSV (Pressure Support Ventilation) feature shall be available. • VG (Voltage Guarantee) or TTV (Targeted Tidal Voltage) or Voltage Target ventilation mode shall be available. • SIMV + PS or SPN-PPS mode shall be available. • There must be pressure support feature in AC mode or flow termination feature whose percentage can be adjusted by user. • Nasalcpap mode must be in the menu as a separate mode, SPN-CPAP/VS and NIV mode must be in devices that cannot be selected as a separate mode

	• HFO high frequency ventilation feature shall be provided with each device. In addition to the accessories listed below, one-each multi-use circuit shall be provided for the devices that can perform high frequency ventilation application only with the multi-use circuits or for the devices that have different circuit mode in the user manual for this application. Devices with volumetric guarantee in HFO mode shall provide this feature as standard. • No intermediate apparatus shall be needed in HFO mode circuit use, application shall be possible without circuit change and intermediate circuit." Suggested Clause, *"The following ventilation modes and features will be available as standard on the devices.* *a.Continuous Positive Airway Pressure (CPAP) feature or CPAP mode* *b.IPPV or Controlled Mechanical Ventilation (CMV) or IMV or Pressure Controlled Ventilation (PCV)* *c.PTV (Patient Triggered Ventilation) or SIPPV or AC or SIMV(PC)+PS* *d.SIMV (Synchronised Intermittent Mandatory Ventilation)* *e.PSV (Pressure Support Ventilation) or PSV feature* *f.nCPAP mode or SPN-CPAP* *g.nIPPV mode or SPN-CPAP / PS and SPN-CPAP / VS* *h.The Volume Guarantee (VG) or Volume Tager Ventilation (VTV) PRVC feature must be standard."* **Reason** Some technical features, that are shown as superior, which are not superior in reality, have been shown as if they are equivalent of other technical features in order to keep the other companies out or to raise their prices.
Answer 241:	The item will remain same as the technical spesifications.
Question 242:	Item **11.2.5**, "The device must operate in the following ventilation modes or features with the following names. The desired features must match one another with the names mentioned below. • Continuous Positive Airway Pressure (CPAP) feature and nasal CPAP mode • Controlled mechanical ventilation (CMV) or IMV • A/C • SIMV (Synchronised Intermittent Mandatory Ventilation) • PSV (Pressure Support Ventilation) feature shall be available. • VG (Voltage Guarantee) or TTV (Targeted Tidal Voltage) or Voltage Target ventilation mode shall be available. • SIMV + PS or SPN-PPS mode shall be available. • There must be pressure support feature in AC mode or flow termination feature whose percentage can be adjusted by user. • Nasalcpap mode must be in the menu as a separate mode, SPN-CPAP/VS and NIV mode must be in devices that cannot be selected as a separate mode • HFO high frequency ventilation feature shall be provided with each device. In addition to the accessories listed below, one-each multi-use circuit shall be provided for the devices that can perform high frequency ventilation application only with the multi-use circuits or for the devices that have different circuit mode in the user manual for this application. Devices with volumetric guarantee in HFO mode shall provide this feature as standard.

	• No intermediate apparatus shall be needed in HFO mode circuit use, application shall be possible without circuit change and intermediate circuit." Suggested Clause, "*The device should be able to function in below mentioned ventilation modes required features should match below mentioned names one to one.* • *CPAP(Continuous Poisitive Airway Pressure) or nCPAP modu* • *IPPV or CMV (Conrolled Mechanical Ventilation) or IMV or PCV (Pressure Controlled Ventilation)* • *PTV (Patient Triggerred Ventilation or SIPPV or AC or SIMV(PC)+PS* • *SIMV (Synchronised Intermittent Mandatory Ventilation)* • *PSV(Pressure Support Ventilation) or PSV feature* • *Must be VG (Volume Guarantee) or TTV (Targeted Tidal Volume) or Volume Target ventilation mode* • *The device must have nasal CPAP (ncpap) mode or nasal-IPPV mode or nasal –CPAP feature* • *HFV or HFOV or HFO fature*
Answer 242:	The item will remain same as the technical spesifications.
Question 243:	Item **11.2.5**, "The device must operate in the following ventilation modes or features with the following names. The desired features must match one another with the names mentioned below. • Continuous Positive Airway Pressure (CPAP) feature and nasal CPAP mode • Controlled mechanical ventilation (CMV) or IMV • A/C • SIMV (Synchronised Intermittent Mandatory Ventilation) • PSV (Pressure Support Ventilation) feature shall be available. • VG (Voltage Guarantee) or TTV (Targeted Tidal Voltage) or Voltage Target ventilation mode shall be available. • SIMV + PS or SPN-PPS mode shall be available. • There must be pressure support feature in AC mode or flow termination feature whose percentage can be adjusted by user. • Nasalcpap mode must be in the menu as a separate mode, SPN-CPAP/VS and NIV mode must be in devices that cannot be selected as a separate mode • HFO high frequency ventilation feature shall be provided with each device. In addition to the accessories listed below, one-each multi-use circuit shall be provided for the devices that can perform high frequency ventilation application only with the multi-use circuits or for the devices that have different circuit mode in the user manual for this application. Devices with volumetric guarantee in HFO mode shall provide this feature as standard. • No intermediate apparatus shall be needed in HFO mode circuit use, application shall be possible without circuit change and intermediate circuit." *Replacement of the 3., 8., 9. 10. Bullets as following are requested.* • *A/C or PTV* • *There must be pressure support feature in AC mode or flow termination or PSV feature whose percentage can be adjusted by user.* • *Nasalcpap mode must be in the menu as a separate mode, SPN-CPAP/VS and NIV mode or NIPPV must be in devices that cannot be selected as a separate mode* • *HFO high frequency ventilation feature shall be provided with each device. In addition to the accessories listed below, one-each multi-use circuit shall be*

	provided for the devices that can perform high frequency ventilation application only with the multi-use circuits or for the devices that have different circuit mode in the user manual for this application. Devices with volumetric guarantee or HFO + CMV and Nasal HFO mode shall provide this feature as standard.
Answer 243:	The item will remain same as the technical spesifications.
Question 244:	Item **11.2.5**, "The device must operate in the following ventilation modes or features with the following names. The desired features must match one another with the names mentioned below. • Continuous Positive Airway Pressure (CPAP) feature and nasal CPAP mode • Controlled mechanical ventilation (CMV) or IMV • A/C • SIMV (Synchronised Intermittent Mandatory Ventilation) • PSV (Pressure Support Ventilation) feature shall be available. • VG (Voltage Guarantee) or TTV (Targeted Tidal Voltage) or Voltage Target ventilation mode shall be available. • SIMV + PS or SPN-PPS mode shall be available. • There must be pressure support feature in AC mode or flow termination feature whose percentage can be adjusted by user. • Nasalcpap mode must be in the menu as a separate mode, SPN-CPAP/VS and NIV mode must be in devices that cannot be selected as a separate mode • HFO high frequency ventilation feature shall be provided with each device. In addition to the accessories listed below, one-each multi-use circuit shall be provided for the devices that can perform high frequency ventilation application only with the multi-use circuits or for the devices that have different circuit mode in the user manual for this application. Devices with volumetric guarantee in HFO mode shall provide this feature as standard. • No intermediate apparatus shall be needed in HFO mode circuit use, application shall be possible without circuit change and intermediate circuit." *The following replecements are requested;* • *Continuous Positive Airway Pressure (CPAP) or nCPAP mode* • *IPPV or Controlled mechanical ventilation (CMV) or PCV (Pressure Controlled Ventilation) or IMV* • *PTV (Patient Triggered Ventilation) or SIPPV or AC or SIMV(PC)+PS* • *SIMV (Synchronised Intermittent Mandatory Ventilation)* • *PSV (Pressure Support Ventilation) or PSV feature.* • *It should have VG (Voltage Guarantee) or TTV (Targeted Tidal Volume) or Volume Target ventilation mode* • *The device should have nasal CPAP (ncpap) mode or nasal-IPPV mode or nasal-CPAP fature as standard* • *HFV or HFOV or HFO fature*
Answer 244:	The item will remain same as the technical spesifications.
Question 245:	Item **11.2.10**, The following parameters related to ventilation on the device must be permanently adjustable between the specified limit values: a. Inspiration time : 0,1-2 sec. b. Expiration time : 0.2 - 30 sec. or I:E ratio can be set from 11.2:1 to 1:600

	c. Insp flow setting : with 1 - 30 L/min or automatic flow, ITT (inspiratory time termination) feature, which can be manually adjusted by the user between 5% and 40%, must be available on the device. d. Inspiratory pressure : 5 - 60 mbar f. PEEP : 0 - 20 mbar f. Oxygen concentration setting : 21% - 100% 9- Maximum frequency : must be at least 200 breaths/min (in conventional modes) h. High frequency ventilation: 5-15 Hz. Suggested Clause, *The following parameters related to ventilation on the device must be permanently adjustable between the specified limit values:* *a. Inspiration time : 0,1-2 sec.* *b. Expiration time : must be adjustable in between 0.2 - 30 sec. (in simv or imv modes)* *c. The device should have ITT (Inspiratory time termination) of 30 l/min or that can be set between 5% - 40% manually with automatic flow* *d. Inspiratory pressure : 10 - 60 mbar* *e. PEEP : 0 - 20 mbar* *f. Oxygen concentration setting : 21% - 100%* *9- Maximum frequency : must be at least 200 breaths/min (in conventional modes)* *h. When high frequency ventilation option is installed: at least 5-20 Hz.*
Answer 245:	The item will remain same as the technical spesifications.
Question 246:	Item **11.2.10**, The following parameters related to ventilation on the device must be permanently adjustable between the specified limit values: a. Inspiration time : 0,1-2 sec. b. Expiration time : 0.2 - 30 sec. or I:E ratio can be set from 11.2:1 to 1:600 c. Insp flow setting : with 1 - 30 L/min or automatic flow, ITT (inspiratory time termination) feature, which can be manually adjusted by the user between 5% and 40%, must be available on the device. d. Inspiratory pressure : 5 - 60 mbar f. PEEP : 0 - 20 mbar f. Oxygen concentration setting : 21% - 100% 9- Maximum frequency : must be at least 200 breaths/min (in conventional modes) h. High frequency ventilation: 5-15 Hz. Suggested Clause, *"The following parameters related to ventilation on the device must be permanently adjustable between the specified limit values:* *a.Inspiration time* *b.Must be as as the expiration time* *c.Insp flow setting: 0,1 -2 sec. 0.2 - 30 sec. or I:E ratio can be set from 11.2:1 to 1:600 with 1 - 30 L/min or automatic flow, ITT (inspiratory time termination) feature, which can be manually adjusted by the user between 5% and 40%, must be available on the device.* *d.Inspiratory pressure: 5-60 mbar* *e.PEEP: 0-20 mbar*

	f.Oxygen concentration setting: 21% - 100% *g.Maximum frequency conventional modes must be at least 200 breaths/min (in conventional modes)* *h.High frequency ventilation: 5-15 Hz."* **Reason** The HFO feature must be removed from the device as it must be conventional.
Answer 246:	The item will remain same as the technical spesifications.
Question 247:	Item **11.2.10**, The following parameters related to ventilation on the device must be permanently adjustable between the specified limit values: a. Inspiration time : 0,1-2 sec. b. Expiration time : 0.2 - 30 sec. or I:E ratio can be set from 11.2:1 to 1:600 c. Insp flow setting : with 1 - 30 L/min or automatic flow, ITT (inspiratory time termination) feature, which can be manually adjusted by the user between 5% and 40%, must be available on the device. d. Inspiratory pressure : 5 - 60 mbar f. PEEP : 0 - 20 mbar f. Oxygen concentration setting : 21% - 100% 9- Maximum frequency : must be at least 200 breaths/min (in conventional modes) h. High frequency ventilation: 5-15 Hz. Suggested Clause, *" The following parameters related to ventilation on the device must be permanently adjustable between the specified limit values:* *a. Inspiration time : 0,1-3 sec.* *b. Expiration time : 0.2 - 30 sec. or I:E ratio can be set from 11.2:1 to 1:600 or automatically* *c. Insp flow setting : with 1 - 30 L/min or automatic flow, ITT (inspiratory time termination) feature, which can be manually adjusted by the user between 5% and 40%, must be available on the device.* *d. Inspiratory pressure : 5 - 65 mbar* *f. PEEP : 0 - 30 mbar* *f. Oxygen concentration setting : 21% - 100%* *g- Maximum frequency : must be at least 150 breaths/min (in conventional modes)* *h. High frequency ventilation : 5-20 Hz."*
Answer 247:	The item will remain same as the technical spesifications.
Question 248:	Item 11.2.10, The following parameters related to ventilation on the device must be permanently adjustable between the specified limit values: a. Inspiration time : 0,1-2 sec. b. Expiration time : 0.2 - 30 sec. or I:E ratio can be set from 11.2:1 to 1:600 c. Insp flow setting : with 1 - 30 L/min or automatic flow, ITT (inspiratory time termination) feature, which can be manually adjusted by the user between 5% and 40%, must be available on the device. d. Inspiratory pressure : 5 - 60 mbar f. PEEP : 0 - 20 mbar f. Oxygen concentration setting : 21% - 100%

	g- Maximum frequency : must be at least 200 breaths/min (in conventional modes) h. High frequency ventilation: 5-15 Hz. *Replacement of the b., c., d., g. Bullets as following are requested;* *b.Should be adjustable between 0.2 – 30 sec. (In Simv and imv mode)* *c. 1-30 L/min or the device should have the feature of ITT (Inspiratory Time Termination) which can be set by the user manually between 5% and 40% together with the automatic flow.* *d. Inspiratory pressure : 10 - 60 mbar* *g- Maximum frequency : should be at least 200 respiration/min (in conventional modes)* *h. When high frequency ventilation feature is loaded: at least 5-20 Hz.*
Answer 248:	The item will remain same as the technical spesifications.
Question 249:	Item **11.2.11**. "The device must have an integrated backlit coloured touch screen of at least 10 inches. Externally provided display solutions shall not be accepted. From this screen; •Pressure curve, •Flow curve, •Volume curves, •At the same time, at least three waveforms or a loop and two waveforms can be displayed. •Loops •Breathing gas temperature can be monitored or ATC automatic tube compensation must be available and tube diameters must be entered via the menu." Suggested Clause, *"The device must have an integrated backlit coloured touch screen of at least 12 inches. Externally provided display solutions shall not be accepted. From this screen;* *•Pressure curve,* *•Flow curve,* *• Volume curves,* *• Spirometric Loops (V/A, V/B, B/V)* *• At the same time, at least three waveforms or a loop"* **Reason** Some technical features, that are shown as superior, which are not superior in reality, have been shown as if they are equivalent of other technical features in order to keep the other companies out or to raise their prices.
Answer 249:	The item will remain same as the technical spesifications.
Question 250:	Item **11.2.11**. "The device must have an integrated backlit coloured touch screen of at least 10 inches. Externally provided display solutions shall not be accepted. From this screen; •Pressure curve,

	•Flow curve, •Volume curves, •At the same time, at least three waveforms or a loop and two waveforms can be displayed. •Loops •Breathing gas temperature can be monitored or ATC automatic tube compensation must be available and tube diameters must be entered via the menu." Suggested Clause, "*The device should have an integrated internal or external 12 inch graphical LCD with backlight.* • *Airway pressures* • *Flow, volume, pressure curves* • *Loops* *Trends of measured values and numeric values should be displayed on the screen*
Answer 250:	The item will remain same as the technical spesifications.
Question 251:	Item **11.2.11**, "The device must have an integrated backlit coloured touch screen of at least 17 inches or a 10-inch colour screen where the humidity can be adjusted via the ventilator menu. Externally provided display solutions shall not be accepted. From this screen, • Pressure curve, • Flow curve, • Volume curves, • Loops • At the same time, at least three waveforms or a loop and two waveforms can be displayed. • Breathing gas temperature can be monitored or ATC automatic tube compensation must be available and tube diameters must be entered via the menu. Suggested Clause, "*The device must have an integrated backlit coloured touch screen of at least 12 inches. Externally provided display solutions shall not be accepted. From this screen,* • *Pressure curve,* • *Flow curve,* • *Volume curves,* • *Loops* *At the same time, at least three waveforms or a loop and two waveforms can be displayed."*
Answer 251:	The item will remain same as the technical spesifications.
Question 252:	Item **11.2.11**, "The device must have an integrated backlit coloured touch screen of at least 17 inches or a 10-inch colour screen where the humidity can be adjusted via the ventilator menu. Externally provided display solutions shall not be accepted. From this screen, • Pressure curve, • Flow curve,

	• Volume curves, • Loops • At the same time, at least three waveforms or a loop and two waveforms can be displayed. • Breathing gas temperature can be monitored or ATC automatic tube compensation must be available and tube diameters must be entered via the menu. Suggested Clause, *"Device should have an integrated, internal or external, backlighted LCD graphic screen of minimum 12 inches. It shoul be possible to track on this screen:* • *Airway pressure* • *Flow, volume, pressure curves,* • *Loops* *Trend curves of measurements or numerical values*
Answer 252:	The item will remain same as the technical spesifications.
Question 253:	Item **11.2.13**, "The minute volume and FiO2 mixture ratio, lower and upper alarm values can be set manually." Suggested Clause, *"It should be possible to set limit values for all alarms both manually and automatically the device. The devices must be capable of storing minimum 1000 incidents and alarms."* **Reason** Some technical features, that are shown as superior, which are not superior in reality, have been shown as if they are equivalent of other technical features in order to keep the other companies out or to raise their prices.
Answer 253:	The item will remain same as the technical spesifications.
Question 254:	Item **11.2.13**, "The minute volume and FiO2 mixture ratio, lower and upper alarm values can be set manually." Suggested Clause, *"The minute volume or FiO2 mixture ratio, lower and upper alarm values can be set manually"*
Answer 254:	The item will remain same as the technical spesifications.
Question 255:	Item **11.2.13**, "The minute volume and FiO2 mixture ratio, lower and upper alarm values can be set manually." Suggested Clause, *"The minute volume or FiO2 mixture ratio, lower and upper alarm values can be set manually."*
Answer 255:	The item will remain same as the technical spesifications.
Question 256:	Item **11.2.14**, "The device must have synchronous nasal ventilation (SNIPPV). In this case, fully synchronization must be provided with the pressure sensor fixed to the stomach of the baby. In the devices of the Companies that cannot provide this feature, PPS (Proportional Pressure Support), APRV and EtC02 end tidalkarbondioxide measurement capability shall be provided. Along with the cables, the sensors required for EtC02 measurement shall be provided as at least 10 units per device."

	Suggested Clause, *"The device should be equipped with synchronized nasal ventilation feature (SNIPPV) or nIPPV mode or SPN-CPAP / PS and SPN-CPAP / VS modes. In addition, the HFOT feature should be able to be added to the devices."* **Reason** All companies are in compliance with the changed status.
Answer256:	The item will remain same as the technical spesifications.
Question 257:	Item **11.2.14**, "The device must have synchronous nasal ventilation (SNIPPV). In this case, fully synchronization must be provided with the pressure sensor fixed to the stomach of the baby. In the devices of the Companies that cannot provide this feature, PPS (Proportional Pressure Support), APRV and EtC02 end tidalkarbondioxide measurement capability shall be provided. Along with the cables, the sensors required for EtC02 measurement shall be provided as at least 10 units per device." Suggested Clause, *"The device must have synchronous nasal ventilation (SNIPPV). In this case, fully synchronization must be provided with the pressure sensor fixed to the stomach of the baby. If a device fails to provide this feature then the user should be able to set inspiration and expiration flow independently or PPS (Proportional Pressure Support), APRV and EtC02 end tidal karbondioxide measurement capability shall be provided. Along with the cables, the sensors required for EtC02 measurement shall be provided as at least 10 units per device"*
Answer 257:	The item will remain same as the technical spesifications.
Question 258:	Item **11.2.14**, The device must have synchronous nasal ventilation (SNIPPV). In this case, fully synchronization must be provided with the pressure sensor fixed to the stomach of the baby. In the devices of the Companies that cannot provide this feature, PPS (Proportional Pressure Support), APRV and EtC02 end tidalkarbondioxide measurement capability shall be provided. Along with the cables, the sensors required for EtC02 measurement shall be provided as at least 10 units per device. Suggested Clause, *"The device must have Nasal HFOor synchronous nasal ventilation (SNIPPV). In this case, fully synchronization must be provided with the pressure sensor fixed to the stomach of the baby. In the devices of the Companies that cannot provide this feature, PPS (Proportional Pressure Support), APRV and EtC02 end tidalkarbondioxide measurement capability shall be provided. Along with the cables, the sensors required for EtC02 measurement shall be provided as at least 10 units per device."*
Answer 258:	The item will remain same as the technical spesifications.
Question 259:	Item **11.2.14**, "The device must have synchronous nasal ventilation (SNIPPV). In this case, fully synchronization must be provided with the pressure sensor fixed to the stomach of the baby. In the devices of the Companies that cannot provide this feature, PPS (Proportional Pressure Support), APRV and EtC02 end tidalkarbondioxide measurement capability shall be provided. Along with the cables, the sensors required for EtC02 measurement shall be provided as at least 10 units per device." *Replacement of the second sentence as following is requested;* *.....In devices of companies which can not satisfy this feature, inspirium and expirium flow should be adjustable independent of each other or PPS (Proportional Pressure Support), APRV and EtC02 end tidal carbondioxide measuring features should be provided.....*
Answer 259:	The item will remain same as the technical spesifications.

Question 260:	Item **11.2.15**. "The device shall have oxygenation (preoxy) application that can be set 100% which allows oxygen to be given for at least 2 minutes." Suggested Clause, "*The device shall have oxygenation (preoxy) application that can be set between 21% and 100% which allows oxygen to be given for at least 2 minutes."* **Reason** By adjusting the oxygen flash feature according to the baby's condition, the oxygen in the baby should be balanced. Just giving 100% oxygen to baby can cause various harms.
Answer 260:	The item will remain same as the technical spesifications.
Question 261:	Item **11.2.15**. "The device shall have oxygenation (preoxy) application that can be set 100% which allows oxygen to be given for at least 2 minutes." Suggested Clause, "*The device shall have oxygenation (preoxy) application which allows oxygen to be given for at least 2 minutes or FiO2 delivered to the patient should be set between % 21-100 and set and measured values should both be displayed."*
Answer 261:	The item will remain same as the technical spesifications.
Question 262:	Item **11.2.15**, "The device shall have oxygenation (preoxy) application that can be set 100% which allows oxygen to be given for at least 2 minutes." *Adding the following sentence is requested;* *.....or FiO2 value sent to the patient should be set between 21-100% and set value should be seen separately.*
Answer 262:	The item will remain same as the technical spesifications.
Question 263:	Item **11.2.16**. "The following measurement values can be digitally displayed on the device's internal display: •Top Pressure (Ppeak), •PEEP Pressure, •Airway average pressure (Pmean) •Expiration and Inspiration Tidal volume (Vt), •Minute volume (MV) (Lower and upper alarm limits must be adjustable.) •Leakage amount (Leakage ml. or %) •Respiratory frequency, •Respiratory system compliance measurement-C •Resistance measurement - R •High and low Fi02 threshold values must be adjustable. Suggested Clause, "*The following measurement values can be digitally displayed on the device's internal display:* •*Top Pressure (Ppeak),* •*PEEP Pressure,* •*Airway average pressure (Pmean)*

	•*Expiration and Inspiration Tidal volume (Vt),* •*Minute volume (MV) (Lower and upper alarm limits must be adjustable.)* •*Leakage amount (Leakage ml. or %)* •*Respiratory frequency,* •*Respiratory system compliance measurement-C* •*Resistance measurement - R* •*High and low Fi02 threshold values must be adjustable.* ***(Removal of this substance is requested)***
Answer 263:	The item will remain same as the technical spesifications.
Question 264:	Item **11.2.16**. "The following measurement values can be digitally displayed on the device's internal display: •Top Pressure (Ppeak), •PEEP Pressure, •Airway average pressure (Pmean) •Expiration and Inspiration Tidal volume (Vt), •Minute volume (MV) (Lower and upper alarm limits must be adjustable.) •Leakage amount (Leakage ml. or %) •Respiratory frequency, •Respiratory system compliance measurement-C •Resistance measurement - R •High and low Fi02 threshold values must be adjustable. Suggested Clause, "*The following measurement values can be digitally displayed on the device's internal display:* •*Top Pressure (Ppeak),* •*PEEP Pressure,* •*Airway average pressure (Pmean)* • *Tidal volume (Vt),* •*Minute volume (MV)* •*Leakage amount (Leakage ml. or %)* •*Respiratory frequency,* •*Respiratory system compliance measurement-C* •*Resistance measurement - R*
Answer 264:	The item will remain same as the technical spesifications.
Question 265:	Item **11.2.16**, The following measurement values can be digitally displayed on the device's internal display: • Top Pressure (Ppeak), • PEEP Pressure, • Airway average pressure (Pmean) • Expiration and Inspiration Tidal volume (Vt), • Minute volume (MV) (Lower and upper alarm limits must be adjustable.) • Leakage amount (Leakage ml. or %)

	• Respiratory frequency, • Respiratory system compliance measurement - C • Resistance measurement - R • High and low Fi02 threshold values must be adjustable. *Replacement of the last bullet as following is requested* *High and low Fi02 threshold values must be adjustable or automatically.*
Answer 265:	The item will remain same as the technical spesifications.
Question 266:	Item **11.2.16**, The following measurement values can be digitally displayed on the device's internal display: • Top Pressure (Ppeak), • PEEP Pressure, • Airway average pressure (Pmean) • Expiration and Inspiration Tidal volume (Vt), • Minute volume (MV) (Lower and upper alarm limits must be adjustable.) • Leakage amount (Leakage ml. or %) • Respiratory frequency, • Respiratory system compliance measurement - C • Resistance measurement - R • High and low Fi02 threshold values must be adjustable. *Replacement of the 4. and 5. Bullets as following and removing last bullet from the list are requested;* • *Tidal volume (Vt),* *Minute volume (MV)*
Answer 266:	The item will remain same as the technical spesifications.
Question 267:	Item **11.2.17**., The device must have the following alarms: •Air or oxygen cut-off alarm •System failure alarm •High air pressure alarm • Low airway pressure alarm •Flow sensor fault alarm •Oxygen sensor failure alarm •High minute volume alarm • Low minutes volume alarm •Low expiration tidal volume alarm (lower limit must be adjustable) •Apnea alarm •FiO2 lower and upper threshold values must be adjustable. Suggested Clause, *"The device must have the following alarms:* •*Air or oxygen cut-off alarm* •*System failure alarm* •*High air pressure alarm* • *Low airway pressure alarm* •*Flow sensor fault alarm*

	•*Oxygen sensor failure alarm* •*High minute volume alarm* • *Low minutes volume alarm* •*Low expiration tidal volume alarm (lower limit must be adjustable)* •*Apnea alarm* •*FiO2 lower and upper threshold values must be adjustable." (**Removal of this substance is requested)***
Answer 267:	The item will remain same as the technical spesifications.
Question 268:	Item **11.2.17**., The device must have the following alarms: •Air or oxygen cut-off alarm •System failure alarm •High air pressure alarm • Low airway pressure alarm •Flow sensor fault alarm •Oxygen sensor failure alarm •High minute volume alarm • Low minutes volume alarm •Low expiration tidal volume alarm (lower limit must be adjustable) •Apnea alarm •FiO2 lower and upper threshold values must be adjustable. Suggested Clause, *"The device must have the following alarms:* •*Air or oxygen cut-off alarm* •*System failure alarm* •*High air pressure alarm* • *Low airway pressure alarm* •*Flow sensor fault alarm* •*Oxygen sensor failure alarm* •*High minute volume alarm* • *Low minutes volume alarm* •*Low tidal volume alarm* •*Apnea alarm*
Answer 268:	The item will remain same as the technical spesifications.
Question 269:	Item **11.2.17**, "The device must have the following alarms: • Air or oxygen cut-off alarm • System failure alarm • High air pressure alarm • Low airway pressure alarm • Flow sensor fault alarm • Oxygen sensor failure alarm • High minute volume alarm • Low minutes volume alarm • Low expiration tidal volume alarm (lower limit must be adjustable)

	• Apnea alarm • FiO2 lower and upper threshold values must be adjustable." *Replacement of the last bullet as following is requested* *FiO2 lower and upper threshold values must be adjustable or automatically.*
Answer 269:	The item will remain same as the technical spesifications.
Question 270:	Item **11.2.17**., The device must have the following alarms: •Air or oxygen cut-off alarm •System failure alarm •High air pressure alarm • Low airway pressure alarm •Flow sensor fault alarm •Oxygen sensor failure alarm •High minute volume alarm • Low minutes volume alarm •Low expiration tidal volume alarm (lower limit must be adjustable) •Apnea alarm •FiO2 lower and upper threshold values must be adjustable. *Replacement of 9. Bullet as following and removing last bullet are requested;* *Low tidal volume alarm*
Answer 270:	The item will remain same as the technical spesifications.
Question 271:	Item **11.2.19**. "The device must have an aerosol control mode. With this mode, it is possible to apply nebulization therapy to the patient during ventilation.The maximum duration of nebulization shall be adjustable between 3 and 420 seconds. In addition, preoxygen application can be done through the menu, 100% oxygen adjustment time can be manually performed within the rage of 30 to 420 sec. Companies that do not have both of these features shall have automatic tube compensation (ATC), oxygen therapy application and PPS (Proportional Pressure Support)." Suggested Clause *"The devices must have automatic tube compensation feature. In addition, the HFOT feature should be able to be added to the devices. The devices must not have a circuit connection."* **Reason** Some technical features, that are shown as superior, which are not superior in reality, have been shown as if they are equivalent of other technical features in order to keep the other companies out or to raise their prices.
Answer 271:	The item will remain same as the technical spesifications.
Question 272:	Item **11.2.19**. "The device must have an aerosol control mode. With this mode, it is possible to apply nebulization therapy to the patient during ventilation.The maximum duration of nebulization shall be adjustable between 3 and 420 seconds. In addition, preoxygen application can be done through the menu, 100% oxygen adjustment time can be manually performed within the rage of 30 to 420 sec. Companies that do not

	have both of these features shall have automatic tube compensation (ATC), oxygen therapy application and PPS (Proportional Pressure Support)." Suggested Clause *"The device must have an aerosol control mode. With this mode, it is possible to apply nebulization therapy to the patient during ventilation.The maximum duration of nebulization shall be adjustable between 3 and 420 seconds. In addition, preoxygen application can be done through the menu, 100% oxygen adjustment time can be manually performed within the rage of 30 to 420 sec. Firms that fail to provide both of these two features should have internal nebulisation system or should have automatic tube compensation (ATC), oxygen therapy application and PPS (Proportional Pressure Support)."*
Answer 272:	The item will remain same as the technical spesifications.
Question 273:	Item **11.2.19**, "The device must have an aerosol control mode. With this mode, it is possible to apply nebulization therapy to the patient during ventilation. The maximum duration of nebulization shall be adjustable between 3 and 420 seconds. In addition, preoxygen application can be done through the menu, 100% oxygen adjustment time can be manually performed within the range of 30 to 420 sec. Companies that do not have both of these features shall have automatic tube compensation (ATC), oxygen therapy application and PPS (Proportional Pressure Support)." *Replacement of the last sentence as following is requested;* *...Companies that do not have both of these features shall have automatic tube compensation (ATC) or oxygen therapy application(HFOT) or PPS (Proportional Pressure Support).*
Answer 273:	The item will remain same as the technical spesifications.
Question 274:	Item **11.2.19**. "The device must have an aerosol control mode. With this mode, it is possible to apply nebulization therapy to the patient during ventilation.The maximum duration of nebulization shall be adjustable between 3 and 420 seconds. In addition, preoxygen application can be done through the menu, 100% oxygen adjustment time can be manually performed within the rage of 30 to 420 sec. Companies that do not have both of these features shall have automatic tube compensation (ATC), oxygen therapy application and PPS (Proportional Pressure Support)." *Replacement of the last sentence as following is requested;* *Companies that do not have both of these features shall have built-in nebulization system or shall have automatic tube compensation (ATC), oxygen therapy application and PPS (Proportional Pressure Support)."*
Answer 274:	The item will remain same as the technical spesifications.
Question 275:	Item **11.2.20**. "The appliance must have a heated humidifier and temperature probes capable of measuring from at least two different locations, with a humidifier alarm system, with standby mode or with heating function switched on and off via the ventilator's menu. The chamber or humidification chamber on the device must be of high use. In systems where an external humidifier is to be provided, the humidifier must be able to display the flow through the menu. Suggested Clause; "*The heated humidified of the device must have temperature probes capable of measuring from at least two different locations. It must have a humidifier alarm system, with standby mode. The device must not have a circuit connection."*

	Reason Some technical features, that are shown as superior, which are not superior in reality, have been shown as if they are equivalent of other technical features in order to keep the other companies out or to raise their prices.
Answer 275:	The item will remain same as the technical spesifications.
Question 276:	Item **11.2.20**. "The appliance must have a heated humidifier and temperature probes capable of measuring from at least two different locations, with a humidifier alarm system, with standby mode or with heating function switched on and off via the ventilator's menu. The chamber or humidification chamber on the device must be of high use. In systems where an external humidifier is to be provided, the humidifier must be able to display the flow through the menu. Suggested Clause; "*Humidifier of the device have been designed to be used on neonatal patients. Heated humidifier unit should be full automatic (plug &play). On control panel the user should only have to choose if the patient is entubated or ventilated with a mask, no other settings should be required. The device should be able to deliver natural humidity (37˚C and 44 mg /liters) to the patient. The humidifer should have a flowmeter and should be able to display amount of gas delivered as litres/mini f requested on a digital screen.* *The device should have a digital screen for continuous displaying of temperature of inspiration gas. Chamber temperatureand sensor temperature at theend of the patient circuits should also be displayed on the screen seperately by pressing a single buton. During intubation temperature of the device should be between 35.5˚C - 37˚C automatically. During masked ventilation temperature of the device should be between 31˚C - 35˚C automatically* *The device should have the following accesories:* *-Sensor cable to measure temperature and gas flow* *Internedaite cable to connect patient circuit heating wire to humidifier* *Sensor cable inputs should be easily connected to ports at the end of the ispiration line to prevent condensation. This feature enables temperature and flow measurement at chamber output and at a point close to Y piece. These features should be included for ventilation strategies to reach their purpose and for an effective heating and humidification.*
Answer 276:	The item will remain same as the technical spesifications.
Question 277:	Item **11.2.20**. "The appliance must have a heated humidifier and temperature probes capable of measuring from at least two different locations, with a humidifier alarm system, with standby mode or with heating function switched on and off via the ventilator's menu. The chamber or humidification chamber on the device must be of high use. In systems where an external humidifier is to be provided, the humidifier must be able to display the flow through the menu. Suggested Clause; "*The humidifying unit of the device should be designed so as to be used in neonatal patients. Heated humidifying unit should be full automatic (plug & play) and no additional setting should be needed on the control panel apart from selection of ventilation of the patient through intubation or by mask. The device should be capable of providing the patient with natural humidity (37ºC and 44 mg / litre). The humidifier should have a flow meter and the passing gas amount should be readable on the digital display in litre/minute when required.* *On the device should there be a digital indicator which continuously shows airway respiration gas temperature. It should be possible, by pressing a button, to view separately on the same indicator, the temperature of the chamber and sensor*

	temperature at the end of patient circuit. Device should be capable of operating automatically in intubation mode between at least 35,5ºC - 37ºC. Device should be capable of operating automatically in mask mode between at least 31ºC-34ºC. *The device should have following accessories.* *Sensor cable that measures the temperature and passing gas flow, patch cord that connects heating wire of the patient circuit to the humidifier, sensor cable entries should be easily attached to the ports at the end points of the inspiration line in order to prevent concentration in patient circuit. It should, owing to this feature, be capable of measuring temperature and flow at the exit of water reservoir, and even on the side close to Y part. These features should exist in order to achieve ventilator strategies and ensure effective heating, humidifying."*
Answer 277:	The item will remain same as the technical spesifications.
Question 278:	Item **11.2.21**., "The HFO + IMV application or HFO + VG features must be selectable." Suggested Clause, *"nHFO or SPN-PPS mode will be given as standard in the devices where HFO mode is added. Furthermore HFO+VG or HFO+CMV will be given as standard in devices where HFO mode is added."* **Reason** Some technical features, that are shown as superior, which are not superior in reality, have been shown as if they are equivalent of other technical features in order to keep the other companies out or to raise their prices.
Answer 278:	The item will remain same as the technical spesifications.
Question 279:	Item **11.2.21**., "The HFO + IMV application or HFO + VG features must be selectable." Suggested Clause, *"The HFO + IMV application or HFV + IMV fetures must be selectable.*
Answer 279:	The item will remain same as the technical spesifications.
Question 280:	Item **11.2.21**, "The HFO + IMV application or HFO + VG features must be selectable." Suggested Clause, *"The HFO + IMV application or HFO + VG or HFO + CMV features must be selectable."*
Answer 280:	The item will remain same as the technical spesifications.
Question 281:	Item **11.3.1**, "The following accessories shall be supplied with the device: • Reusable double line heating patient circuit: 2 units • Reusable flow sensor: 2 units (for systems with pressure difference principle) • Reusable flow sensor: 20 units (for systems operating with heated wire principle) • Test lung: 1 piece • Original transport cart: 1 unit

	• Replacement reusable humidifier: 1 unit • Serum suspension: 1 unit Suggested Clause, *It should be possible to select HFO + IMV application or HFV + IMV features.* *Following accessories should be given with the device:* • *Disposable double-line heated patient circuit 2 pieces* • *Reusable flow sensor* *(for systems working with the principle of pressure difference) 5 pieces* • *Reusable flow sensor* *(for systems working with the principle of heated wire) 5 pieces* • *Test lung 1 piece* • *Original trolley 1 piece* • *Spare reusable humidifying reservoir 1 piece*
Answer 281:	The item will remain same as the technical spesifications.
Question 282:	Item **11.3.1**, "The following accessories shall be supplied with the device: • Reusable double line heating patient circuit: 2 units • Reusable flow sensor: 2 units (for systems with pressure difference principle) • Reusable flow sensor: 20 units (for systems operating with heated wire principle) • Test lung: 1 piece • Original transport cart: 1 unit • Replacement reusable humidifier: 1 unit • Serum suspension: 1 unit Suggested Clause, *Single Use Patient Circuit (with double line heating): 10 units* *Nasal CPAP set: 5 sets* *Reusable flow sensor: 5 units* *Humidifier and cables (in set): 1 unit* *Original transport cart: 1 unit* *Humidifier mounting bracket and serum hanger attachment: 1*
Answer 282:	The item will remain same as the technical spesifications.
Question 283:	Item **11.3.1**, "The following accessories shall be supplied with the device: • Reusable double line heating patient circuit: 2 units • Reusable flow sensor: 2 units (for systems with pressure difference principle) • Reusable flow sensor: 20 units (for systems operating with heated wire principle) • Test lung: 1 piece • Original transport cart: 1 unit • Replacement reusable humidifier: 1 unit

	• Serum suspension: 1 unit Suggested Clause, *Disposable double line heated patient circuit): 10 units* *Reusable flow sensor: 5 units* *(for systems operating with pressure difference principle)* *Reusable flow sensor: 5 units* *(for systems operating with heated principle)* *Test Lung: 1 unit* *Original transport cart: 1 unit* *Replacement disposable humidifier: 1unit*
Answer 283:	The item will remain same as the technical spesifications.
Question 284:	Item **11.3.1**, ”The following accessories shall be supplied with the device • Reusable double-line heated patient circuit : 2 units • Reusable flow sensor (for systems operating with pressure difference principle) • Reusable flow sensor: : 2 units (for systems operating with heated wire principle) : 20 • Test lung : 1 unit • Original transport cart : 1 unit • Replacement reusable humidifier : 1 unit • Serum suspension : 1 unit” Suggested Clause**,** *”The following accessories shall be supplied with the device* • *Reusable double-line heated patient circuit : 2 units* • *Reusable flow sensor: : 2 units* • *Test lung : 1 unit* • *Original transport cart : 1 unit* • *Replacement reusable humidifier : 1 unit* • *Serum suspension : 1 unit”*
Answer 284:	The item will remain same as the technical spesifications.
Question 285:	Item **11.3.1**, ”The following accessories shall be supplied with the device • Reusable double-line heated patient circuit : 2 units • Reusable flow sensor (for systems operating with pressure difference principle) • Reusable flow sensor: : 2 units (for systems operating with heated wire principle) : 20 • Test lung : 1 unit • Original transport cart : 1 unit • Replacement reusable humidifier : 1 unit

	• Serum suspension : 1 unit" Suggested Clause, "*The following accessories shall be supplied with the device* *Disposable double line heated patient circuit): 2 units* *Reusable flow sensor: 5 units* *(for systems operating with pressure difference principle)* *Reusable flow sensor: 5 units* *(for systems operating with heated principle)* *Test Lung: 1 unit* *Original trolley: 1 unit* *Spare reusable humdifying reservoir: 1unit"*
Answer 285:	The item will remain same as the technical spesifications.
Question 286:	Item **12.2.1**; May the item revised as "*The device shall be manufactured for patient transport for paediatric, adult and neonate patients."?*
Answer 286:	The item will remain same as the technical spesifications.
Question 287:	Item **12.2.4**; There is also available oxygen cylinder as already referred below. It is not a weak point of the device. It could be an option. Transport Ventilator is generally without turbine. The most of the known companies in this field use oxygen pressure in order to reduce the power consumption. Without external O2 cylinder there is no way to increase the O2 concentration. (It is limited with 21%). If you look at 12.2.9 in this specification you should also reduce the minimum oxygen concentration to %40. So this restriction is no more neccessary. This device is used for patients, it is neccesary to supply more than the natural level because patients have problem with somehow the gas exchange. Therefore, we hereby request this item to be removed from the technical spesifications.
Answer 287:	The item will remain in the technical spesifications.
Question 288:	Item **12.2.6**; May the item revised as "*In the ventilator, the following parameters must be set at minimum specified intervals;* *a) Tidal volume:2- 2000 mI (Lower limit ≤ 2 mI, upper limit≥ 2000 mI)…"?*
Answer 288:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 289:	Item **12.2.6**; May the item revised as "*….f) Spontaneous Pneumatic Pressure Support (PSV Pressure): must be at least 2 cmH2O or below, at most 30 cmH2O or above (Lower limit ≤0 cmH2O, upper limit ≥30 cmH2O)…"?*
Answer 289:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 290:	Item **12.2.6**; May the item revised as "*….g) FiO2: 21%-100% can be programable to change…"?*
Answer 290:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 291:	Item **12.2.6**; May the item revised as "*….g) FiO2: must be 21% to 100%"?*

Answer 291:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 292:	Item **12.2.6**; May the item revised as *"….g) FiO2: must be 40% to 100 …"?*
Answer 292:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 293:	Item **12.2.6**; May the item revised as "*In the ventilator, the following parameters must be set at minimum specified intervals;* *a) Tidal volume:* ***20 - 3000 ml (Lower limit ≤20 mL, upper limit≥ 3000 mL).*** *b) Respiratory frequency* ***for neonatal, pediatric and adults: 4-150 breaths/minute (Lower limit ≤5 / min, upper limit≥ 60 / min).*** *c) Inspiration time: 0****.03-9.5 seconds (Lower limit ≤0.03 sec, upper limit ≥9.5 sec)*** *or I:E ratio at least 1:4-3:1* *d) PEEP/CPAP:* ***OFF, 2 - 50 cmH2O*** *e) Pressure Control Pressure (PCV / Pinsp): must be at least* ***2 cmH2O or below, at most 80 cmH2O*** *or above (Lower limit ≤ 2 cmH2O, upper limit ≥80 cmH2O).* *f) Spontaneous Pneumatic Pressure Support (PSV Pressure): must be at least* ***2 cmH2O or below, at most 80 cmH2O or above (Lower limit ≤2 cmH2O, upper limit ≥80 cmH2O).*** *g) FiO2: must be at least* ***21%*** *or below and at most 100%.* *h) Flow Rate must be at least* ***190 litres/min****.* *i) Pressure Trigger:* ***[≤1 cmH2O, ≥20 cmH2O]*** *or flow triggering:* ***[≤0 L / min. ≥ 15 L / min]****.* *j) Flow Type: Shall be Square and / or Descending Wave Type or automatic.?*
Answer 293:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 294:	Item **12.2.7**; May the item revised as "*The device shall have respiratory modes with the following parameters.* *a) Assisted or Volume-Controlled Respiratory (A/CMV - V-ACor VC-CMV)* *b) Pressure-Controlled Synchronized Intermittent Compulsory Respiration (P-SIMV - PC-BIPAP/ PS or PC-S-IMV)* *c) Volume-Controlled Synchronized Intermittent Compulsory Respiration (V-SIMV or VC-SIMV)* *d) Pressure Supported Ventilation (PSV) or Spontaneous Respiration (SPONT - SpnCPAP / PS)* *e) Continuous Positive Airway Pressure (CPAP or SpnCPAP)* *f) Back-up ventilation or apnea back-up ventilation."?*
Answer 294:	The item will remain same as the technical spesifications.
Question 295:	Item **12.2.7**; May the item revised as "*The device shall have respiratory modes with the following parameters.* *a)* Assisted/Volume-Controlled Respiratory (A/CMV - V-AC or S-IPPV) *b) Pressure-Controlled Synchronized Intermittent Compulsory Respiration (P-SIMV - PC-BIPAP/ PS or BiLevel)*

	c) Volume-Controlled Synchronized Intermittent Compulsory Respiration (V-SIMV - VC-SIMV or SIMV) *d) Pressure Supported Ventilation (PSV) or Spontaneous Respiration (SPONT - SpnCPAP / PS or CPAP + ASB)* *e) Continuous Positive Airway Pressure (CPAP or SpnCPAP)* *f) Back-up ventilation or apnea back-up ventilation."?*
Answer 295:	The item will remain same as the technical spesifications.
Question 296:	Item **12.2.9**; Only in oxygen gas appliances the oxygen concentration is between 40% and 100%, which does not fall below 40%. In the case of devices equipped with an internal gas mixer this problem arose. For this reason, changes are requested in the related article. May the item revised as "*The device must have an internal The concentration of oxygen in the inspiration air shall be adjustable from 40% to 100%. The lower limit of the oxygen concentration in the inspiration air shall be adjustable for the lower limit at most 40% or below and for the upper limit at 100%."?*
Answer 296:	The item will remain same as the technical spesifications.
Question 297:	Item **12.2.9**; May the item revised as "*Device should have a built-in mixer. Oxygen concentration in inspiration air should be adjustable between 50% - 100%. Lower limit of the oxygen concentration in inspiration air should be adjustable so as to be maximum 50% or below, and upper limit to be 100%. Its weight together with gas mixer should not exceed the weight indicated in Article 2"?*
Answer 297:	The item will remain same as the technical spesifications.
Question 298:	Item **12.2.9**; May the item revised as "*The device must have an internal gas mixer (mixer). The concentration of oxygen in the inspiration air shall be adjustable from 21% to 100%. The lower limit of the oxygen concentration in the inspiration air shall be adjustable for the lower limit at most* ***21% or below and for the upper limit at 100% with 1% increment setting.*** *The weight with the gas mixer must not exceed the weight specified in item 12.2."?*
Answer 298:	The item will remain same as the technical spesifications.
Question 299:	Item **12.2.9**; May the item revised as "*The device must have an internal gas mixer (mixer). The concentration of oxygen in the inspiration air shall be adjustable from 21% to 100%. The lower limit of the oxygen concentration in the inspiration air shall be adjustable for the lower limit at most 21% or below and for the upper limit at 100%. The weight with the gas mixer must not exceed the weight specified in item 12.2."?*
Answer 299:	The item will remain same as the technical spesifications.
Question 300:	Item **12.2.9**; May the item revised as "*The device must have an internal The concentration of oxygen in the inspiration air shall be adjustable from 40% to 100%. The lower limit of the oxygen concentration in the inspiration air shall be adjustable for the lower limit at most* ***40% or below and for the upper limit at 100%****"?*
Answer 300:	The item will remain same as the technical spesifications.
Question 301:	Item **12.2.18**; May the item revised as "*The ventilator's structure must have a TFT or LCD or Electro-Luminescence (EL) display internally of at least* ***9 inches*** *wide through which monitored parameters and alarm status can be monitored in writing."?*

Answer 301:	The item will remain same as the technical spesifications.
Question 302:	Item **12.2.18**; May the item revised as "*The ventilator's structure must have a TFT or LCD or Electro-Luminescence (EL) display internally of at least 7 inches wide through which monitored parameters and alarm status can be monitored in written form."?*
Answer 302:	The item will remain same as the technical spesifications.
Question 303:	Item **12.2.20**; May the bullet "d) Peak inspiratory flow or calculated peak flow or gas consumption (L/min)" removed from the item?
Answer 303:	The item will remain same as the technical spesifications.
Question 304:	Item **12.2.21**; May the bullet "c) Volume-time waveform…" removed from the item?
Answer 304:	The item will remain same as the technical spesifications.
Question 305:	Item **12.2.22**; May the item revised as "*The ventilator must have the trend feature or data transfer feature for the measured parameters for at least 72 hours"?*
Answer 305:	The item will remain same as the technical spesifications.
Question 306:	Item **12.2.24**; May the item revised as "*The device shall have an output to provide alarm and log memory transfer* ***or storage capacity (72 hours) of all measured parameters and memory storage up to 100 machine events including the alarms.****"?*
Answer 306:	The item will remain same as the technical spesifications.
Question 307:	Item **12.2.25**; May the item revised as "….a*) 3 adult-type and 3 paediatric-type reusable respiratory and current sensors and/or 3 expiratory valve systems or cassettes or 3 reusable system for both pediatrics and adults…"?*
Answer 307:	The item will remain same as the technical spesifications.
Question 308:	Item **12.2.25**; May the item revised as "*….b) One original carrying bag, 2 lt oxygen cylinder and regulator clock, patient bed or stretcher apparatus or a seperate oxygen bag shall be provided"?*
Answer 308:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 309:	Item **12.2.25**; May the item revised as "*….b) One original carrying case, 2 lt Aliminium oxygen tube and regulator watch will be installed on the bed or on the stretcher"?*
Answer 309:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 310:	Item **12.2.25**; May the item revised as "*….b) One original carrier bag, 2-litre oxygen tube and regulator clock, apparatus for assembly to sickbed or stretcher"?*
Answer 310:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 311:	Item **12.2.25**; May the item revised as "*15 " PATIENT MONITOR"?*
Answer 311:	The item will remain same as the technical spesifications.
Question 312:	Item **13.2.1** Specifications Offered:

	"In the system, the image intensifier X-ray tube shall be mounted on a C-arm stative, 2 (two) monitors or split screen monitor and the memory unit shall be on a separate cart stand." Notes, remarks, ref to documentation: Ziehm 8000 enables that live and reference images on the monitor that is separated itself with split screen in two without separating the frame itself can be monitored simultaneously.
Answer 312:	Please see Changes to Tender Dossier
Question 313:	Item **13.2.1** Requested State: **"**In the system, the image intensifier X-ray tube shall be mounted on a C-arm stative, 2 (two) monitors shall be on a separate cart stand." **Reason:** The memory unit in our system is located on C-arm trolley. For this reason, we request relevant article to be amended as proposed in order to ensure device's compliance with the specification and to make offer.
Answer 313:	Please see Changes to Tender Dossier
Question 314:	Item **13.2.2.** Specifications Offered: "The system shall have a USB output or a CD or DVD burner to record the captured images, from which you can record images. " Notes, remarks, ref to documentation: It is recommended that USB output is enough for archiving and transferring of the images, also all the Companies has default USB output and optional CD/DVD features which increases cost of the device.
Answer 314:	It will be remain as Annex III: Technical Specifications Item 13.2.2
Question 315:	Item **13.2.4.** Specifications Offered: "Pulsed fluoroscopy shall be able to be performed up to 7.5 pulses/ second or continuous time fluoroscopy mode must be found in the system. " Notes, remarks, ref to documentation: If there is no pulsed fluoroscopy mode that cannot do 25 pulses in the scopy devices, it will not be possible to gain the dose as there will be a loss of image in low Pulsed fluoroscopy systems. This means that continuous fluoroscopy will prevent image loss and will also result in a dose-gain as it will not be an image replay.
Answer 315:	Please see Changes to Tender Dossier
Question 316:	Item **13.2.4.** Specifications Offered: "Pulsed fluoroscopy shall be able to be performed at least up to 7.5 pulses/ second in the system." Reason: We request relevant article to be amended as proposed in order to get the expression of the article accurate.
Answer 316:	Please see Changes to Tender Dossier
Question 316:	Item **13.2.7.** "The system shall be able to connect to PACS, RIS and HIS, so shall cover all components of the DICOM 3.0 communication protocols (send / receive, store, storage commitment worklist (HIS / RIS) shall comply with the MPPS standard) and these shall be included in the system. The 'worklist' function which shall be able to

	get the patient data from the PACS system and remove the manual entry of patient information in order to transfer image to the PACS." We request relevant article to be amended as proposed in order to get the expression of the article accurate
Answer 316:	Please see Changes to Tender Dossier
Question 317:	Item **13.2.7.** Specifications Offered: "The system must be able to connect to PACS, so must cover Storage of the DICOM 3.0 communication protocol and that must be included in the system. " Notes, remarks, ref to documentation: The images captured by the scopy device can be archived via USB output or can be archived by sending it to the optional PASC system in all companies. If images are taken in the operating environment and the images are to be sent and archived to PACS, they are only requested to be sent to PACS. On the other hand, other required features will not be used and therefore will increase the cost. Furthermore, if the archiving of the images taken is sufficient to be done with USB output, the cost will be much lower by changing the article of 13.2.7. to as requested.
Answer 317:	Please see Changes to Tender Dossier
Question 318:	Item **13.2.8.** Specifications Offered: Removal of article of 13.2.8. from tender specification is claimed. Notes, remarks, ref to documentation: It will not be possible to capture the desired performance for DSA because DSA is used more in vascular applications and 2 kW scopy devices planned to be taken in normal operation are not required to be added in the future.
Answer 318:	Please see Changes to Tender Dossier
Question 319:	Item **13.2.8.** Specifications Offered: "The DSA option, which includes pixel shift or remask or masking, landmark or peak opacification, roadmark or roadmap or subtraction modes, shall be available as an option." Reason:Similar with Landmark feature, the peak opacification feature shall also ensure locating the vessel on the image in DSA applications.We request relevant article to be amended as proposed in order to ensure our system's compliance with the technical specification and to clarify the article.
Answer 319:	Please see Changes to Tender Dossier
Question 320:	Item **13.2.9.** Additional Item Request The proposed device must have at least one of the following features and the companies must show the item that they accept in the original catalog. In addition, they will be required to show demo when requested from companies that are found unable to provide at least one item. a) The depth of C-arm patient receiving must be at least 73 cm. b) The monitor on the separate moving table should be able to display live and reference images at the same time through to the split screen feature of at least 27 inches (at least 69 cm and at least 1920 x 1200 pixels). The control panel should have Turkish language interface. c) With the infrared wireless remote control in the system at least the following features must be performed; selection of image enhancer format, selection of

	fluoroscopy mode, recall of previous and next images, display reference parking functions.
Answer 320:	Please see Changes to Tender Dossier
Question 321:	Item **13.4.2**; May the item revised as: "The patient intake depth of the C-arm shall be at least **61 cm**." Explanation: The patient intake depth of the C-arm is 61 cm. To comply with the technical specification and participate in the tender, it is kindly requested that the technical specification be amended as specified.
Answer 321:	Please see Changes to Tender Dossier
Question 322:	Item **13.4.3**; May the item revised as: "The SID on the C-arm shall be at least **95** cm."
Answer 322:	It will be remain as Annex III: Technical Specifications Item 13.4.3
Question 323:	Item **13.4.7**; May the item revised as: "The C-arm rotation shall be at least 360 ° in total." Explanation: The C-arm rotation is 360° in total. To comply with the technical specification and participate in the tender, it is kindly requested that the technical specification be amended as specified.
Answer 323:	Please see Changes to Tender Dossier
Question 324:	Item **13.4.8**; May the item revised as: "The orbital movement of C-arm shall be at least **115 °.**" Explanation: The orbital movement of the C-arm is 115°. To comply with the technical specification and participate in the tender, it is kindly requested that the technical specification be amended as specified.
Answer 324:	Please see Changes to Tender Dossier
Question 325:	Item **13.5.1.** May the item revised as: "The x-ray generator shall be at least 2.0 kW power and at least 300 Hz high frequency or constant potential type." Explanation: The C-arm system has 3.15 kW generator power and 300 Hz generator which has a patented topology and uses a 8.3 kHz resonant switching technique. This produces an IEC constant potential high-voltage waveform (the same as a higher frequency generators). No smoothing capacitors are required. It also produces very sharp pulses for dose-saving 12.5 frames per second modes (40 ms video frame on, 40 ms video frame off). To comply with the technical specification and participate in the tender, it is kindly requested that the technical specification be amended as specified.
Answer 325:	Please see Changes to Tender Dossier
Question 326:	Item 13.5.1; May the item revised as: "The x-ray generator shall be at least **15 kW** power and at least **35 kH**z high frequency type." Explanation: With the 15 kW generator power and mA ranges specified above, the Philips Endura C-arm system acquires high image quality in orthopedic, urological, ERCP and peripheral applications. Systems with 15 kW generator power can reach higher current values than systems with 2.0 kW power. Therefore, the contrast of the images will be better. The requested statement is defined same as the technical specification of Boarders & Coast Office Type-2 C-arm system bulk tender in 2015 (Tender No: 2015-56699). To define an advanced C-arm system and to maintain

	public-interest in the technical specification, it is kindly requested that the technical specification be amended as specified.
Answer 326:	Please see Changes to Tender Dossier
Question 327:	Item **13.5.1** May the item revised, as **"**The x-ray generator shall be at least 2.0 kW power and at least **20 kHz** high frequency or constant potential type." Reason: Use of high frequency generator has advantages such as decreasing the dose of patient, improving the image quality of diagnostic and extending the tube lifespan.20 kHz high frequency generator included in our system contributes to our system with all these advantages. We request relevant article to be amended as proposed in order to ensure our system's compliance with the technical specification.
Answer 327:	Please see Changes to Tender Dossier
Question 328:	Item **13.5.3.** May the item revised as; "In the continuous fluoroscopy current range, the lower value shall be max. **0.25 mA** and the higher value shall be at least **7 mA**. In the pulsed lower fluoroscopy current range, the lower value shall be max. 3 mA and the higher value shall be at least **7 mA."** Explanation: Generator power is an important factor to acquire high-definition images. With the 3.15 kW generator power and mA ranges specified above, the C-arm system acquires high image quality in orthopedic, urological, ERCP and peripheral applications. To comply with the technical specification and participate in the tender, it is kindly requested that the technical specification be amended as specified.
Answer 328:	Please see Changes to Tender Dossier
Question	Item **13.5.3.** May the item revised as; "In the continuous fluoroscopy mode or pulsed fluoroscopy mode, the current value shall be at least 15 mA. In the radiography mode, the current value shall be at least 75 mA." **Explanation:** Systems with 15 kW generator power can reach higher current values than systems with 2.0 kW power. Therefore, the contrast of the images will be better. The requested statement is defined same as the technical specification of Boarders & Coast Office Type-2 C-arm system bulk tender in 2015 (Tender No: 2015-56699). To define an advanced C-arm system and to maintain public-interest in the technical specification, it is kindly requested that the technical specification be amended as specified.
Answer	Please see Changes to Tender Dossier
Question 329:	Item **13.5.3.** Specifications Offered: "In the continuous fluoroscopy current range, the lower value shall be max. 0.2 mA and the higher value shall be at least 6 mA. If the system does not have continuous time fluoroscopy mode, pulsed lower fluoroscopy current range, the lower value shall be max. 3 mA and the higher value shall be at least 20 mA. " Notes, remarks, ref to documentation: If there is no pulsed fluoroscopy mode that cannot do 25 pulses in the scopy devices, it will not be possible to gain the dose as there will be a loss of image in low pulse systems. This means that continuous fluoroscopy will prevent image loss and will also result in a dose-gain as it will not be an image replay.
Answer 329:	Please see Changes to Tender Dossier
Question 330:	Item **13.5.3.** May the item revised as; "In the continuous fluoroscopy current range, the lower value shall be max. 0.25 mA and the higher value shall be at least 30 mA.

	In the pulsed lower fluoroscopy current range, the lower value shall be max. 0,25 mA and the higher value shall be at least 60 mA."
Answer 330:	Please see Changes to Tender Dossier
Question 331:	Item **13.5.3.** May the item revised as; "In the continuous fluoroscopy current range, the lower value shall be max.0.2 mA and the higher value shall be at least **5.4 mA**.In the pulsed lower fluoroscopy current range, the lower value shall be max.3 mA and the higher value shall be at least **8 mA**." Reason:Our system which also has Cine and DSA options is designed so as to ensure dose/image quality optimization for all kinds of C-armed x-ray application in its current generator power level.We request relevant article to be amended as proposed in order to ensure our system's compliance with the technical specification.
Answer 331:	Please see Changes to Tender Dossier
Question 332:	Item **13.5.4.** May the item revised as; "The system shall have digital boost or digital spot or digital radiography or digital exposure or single image mode, the mA value shall be at least **7 mA** in this mode which will work separately from the fluoroscopy." Explanation: The C-arm system has single image mode and the mA value is 7.20 mA in this mode. To comply with the technical specification and participate in the tender, it is kindly requested that the technical specification be amended as specified.
Answer 332:	Please see Changes to Tender Dossier
Question 333:	Item **13.5.4.** Specifications Offered; "The system shall have digital boost or digital spot or digital radiography or digital exposure or single image mode or radiography mode, the mA value shall be at least 15mA in this mode which will work separately from the fluoroscopy. " **Notes, remarks, ref to documentation:** Ziehm 8000 model single-image mode is referred to as radiography mode.
Answer 333:	Please see Changes to Tender Dossier
Question 334:	Item **13.5.4.** May the item revised as; "The system shall have digital boost or digital spot or digital radiography or digital exposure or single image mode, the mA value shall be at least **8mA** in this mode which will work separately from the fluoroscopy." Reason: Our system which also has Cine and DSA options is designed so as to ensure dose/image quality optimization for all kinds of C-armed x-ray fluoroscopy or radiography application in its current generator power level. We request relevant article to be amended as proposed in order to ensure our system's compliance with the technical specification.
Answer 334:	Please see Changes to Tender Dossier
Question 335:	Item **13.5.6.** May the item added as; "X-ray generator should be a single tank or monobloc. The tube and generator should be on the C-arm system, separated systems will not be accepted. The device should not have cooling system at bloke fan where generator and tube are located. Devices with fan cooling will not be accepted.
Answer 335:	Please see Changes to Tender Dossier
Question 336:	Item **13.5.7.** May the item added as; "Fluoroscopy should be performed on the device at a rate of at least 25 f/s. The pulse fluoroscopy width should be maximum 50 ms."
Answer 336:	It is not accepted by the evaluation commitee

Question 337:	Item **13.5.7.** May the item added as "The device can be added optional HIPAA security software for data transfer."
Answer 337:	It is not accepted by the evaluation commitee
Question xxx:	Item **13.6.2** May the item revised as; "In the systems with X-ray tube double focus, the size of small focus shall be no more than 0.6 mm and the size of the large focus shall be no more than **1.5 mm**. For single-focus systems, the size of the focus shall be 0.6 mm."
Answer xxx:	Please see Changes to Tender Dossier
Question 338:	Item **13.6.2** May the item revised as; "The X-ray tube shall have **double focus.** The size of small focus shall be no more than **0.3 mm** and the size of the large focus shall be **no more than** 0.6 mm." Explanation: X-ray tubes which have smaller focus can acquire better image qualities. The requested statement is defined same as the technical specification of Boarders & Coast Office Type-2 C-arm system bulk tender in 2015 (Tender No: 2015-56699). To define an advanced C-arm system and to maintain public-interest in the technical specification, it is kindly requested that the technical specification be amended as specified.
Answer 338:	Please see Changes to Tender Dossier
Question 339:	Item **13.6.2** May the item revised as; "In the systems with X-ray tube double focus, the size of small focus shall be no more than 0.6 mm and the size of the large focus shall be no more than **1.5 mm**. For single-focus systems, the size of the focus shall be 0.6 mm." This technical specifications are being used almost 4 years by General Directorate of Health for Borders and Coasts which only GE (USA) and GENORAY (South Korea) companies can be able to participate. Also this tube only belongs to GE company. To be open to the competition we want this article to be changes as we requested.
Answer 339:	Please see Changes to Tender Dossier
Question 340:	Item **13.6.2** May the item revised as; "In the systems with X-ray tube double focus, the size of small focus shall be **at least 1.4 mm**.. For single-focus systems, the size of the focus shall be 0.6 mm." We request relevant article to be amended as proposed in order to ensure our system's compliance with the technical specification.
Answer 340:	Please see Changes to Tender Dossier
Question 341:	Item **13.6.3** May the item revised as; "The device's anode heat capacity shall be at least **46.000 HU**, the anode cooling capacity shall not be less than 13.000 HU / min." We request relevant article to be amended as proposed in order to ensure our system's compliance with the technical specification.
Answer 341:	Please see Changes to Tender Dossier
Question 342:	Item **13.6.3** May the item revised as; "The device's anode heat capacity shall be at least **40.000 HU**, the anode cooling capacity shall not be less than 13.000 HU / min." This 40.000 HU of heat capacity will be enough all fluoroscopic and radiographic operations. To be open to the competition we want this article to be changes as we requested.

Answer 342:	Please see Changes to Tender Dossier
Question 343:	Item **13.6.3** May the item revised as; "The anode heat capacity of the X-Ray tube **with rotating anode** shall be at least **270 kHU**, the anode cooling capacity shall not be less than **48.600 HU/min** or the haube cooling capacity shall not less than **22.500 HU/min** or the heat dissipation shall be at least **1200W** in clinical performance." Systems with higher anode heat capacity and anode cooling capacity allows working on much more patients quickly without causing any hesitance during procedures. The requested statement is defined same as the technical specification of Boarders & Coast Office Type-2 C-arm system bulk tender in 2015 (Tender No: 2015-56699). To define an advanced C-arm system and to maintain public-interest in the technical specification, it is kindly requested that the technical specification be amended as specified.
Answer 343:	Please see Changes to Tender Dossier
Question 344:	Item **13.6.4** May the item revised as; "The X-ray haube heat capacity shall be at least **1.600 kHU or heat capacity of the system shall be 3000 kHU."** Explanation: Systems with higher X-ray tube haube heat capacity allows working on much more patients quickly without causing any hesitance during procedures. The requested statement is defined same as the technical specification of Boarders & Coast Office Type-2 C-arm system bulk tender in 2015 (Tender No: 2015-56699). To define an advanced C-arm system in the technical specification, it is kindly requested that the technical specification be amended as specified.
Answer 344:	It will be remain as Annex III: Technical Specifications Item 13.6.4
Question 345:	Item **13.6.4** May the item revised as; "The X-ray haube heat capacity shall be at least **600,000 HU"** This 600.000 HU of haube heat capacity will be enough all operations. To be open to the competition we want this article to be changes as we requested.
Answer 345:	It will remain as Annex III:Technical Specifications Item 13.6.4
Question 346:	Item **13.6.5** May the item revised as; "The system shall be in compliance with the dosing area measurement system **and the system shall provide Dose Area Product on displays** or the dosing device (DAP METER -Dose Area Product Meter) shall be present. With the purpose of statistical data, the dose value that the patient has received shall be attached to the DICOM file of patient, be viewed, be displayed on film, and stored in the memory." Explanation: DAP meters are not preferred any longer in modern technology. The C-arm system has a very efficient way and algorithm of calculating DAP which is also used in Angiography systems similarly and proven to be more accurate than a hardware. Examination dose is the cumulative total patient entrance dose for the current examination in mGy. This dose is always visible on LIH and also on reviewed images. the dose value that the patient has received is attached to the DICOM file of patient, be viewed, be displayed on film, and stored in the memory. To comply with the technical specification and participate in the tender, it is kindly requested that the technical specification be amended as specified.
Answer 346:	Please see Changes to Tender Dossier
Question 347:	Item **13.8.3** May the item revised as; "The device shall have at least **1K x 1K CCD** or CMOS camera with high resolution. We request relevant article to be amended as proposed in order to get the expression of the article accurate.

Answer 347:	Please see Changes to Tender Dossier
Question 348:	Item **13.8.4** May the item revised as; "The image intensifier shall have at least 3 fields." Reason:Having 3 fielded image intensifier and having capability up to 4.5 inches allows our physicians to obtain a more focused image in orthopedic shots such as hand-foot.Besides, this article is in conflict with Article 3.7.5 of the specification.We request relevant article to be amended as proposed in order to ensure competition, considering the user advantage.
Answer 348:	Please see Changes to Tender Dossier
Question 349:	Item **13.8.4** May the item revised as; "The image intensifier shall have at least 2 **or 3** fields." This item is conflicting with the article of 13.10.5.
Answer 349:	Please see Changes to Tender Dossier
Question 350:	Item **13.8.4** We request that this item be removed from the specification.
Answer 350:	Please see Changes to Tender Dossier
Question 351:	Item **13.9.2** May the item revised as; The memory capacity of the device shall be at least **20.000** images. Explanation: The memory capacity of the C-arm system is 20.000 images. To comply with the technical specification and participate in the tender, it is kindly requested that the technical specification be amended as specified.
Answer 351:	Please see Changes to Tender Dossier
Question 352:	Item **13.9.2** May the item revised as; The memory capacity of the device shall be at least **110.000** images.
Answer 352:	Please see Changes to Tender Dossier
Question 353:	Item **13.9.2** May the item revised as; The memory capacity of the device shall be at least **15.000** images.
Answer 353:	Please see Changes to Tender Dossier
Question 354:	Item **13.9.4.** Specifications Offered: The system shall have special software that increases the image quality. The device shall be equipped with ODDC (Object Detected Dose Control) or EASY (Enhanced Acquisition System) which can make dose adjustment by detecting the object and movement or the feature that reduce the motion blur by means of dynamic motion detection, or the feature that enable to provide sharp and low dose images by adjusting contrast and brightness automatically (IDEAL = intelligent Dose Efficiency Algorithm) or Half Dose function that enables low dose images through When ½ DOSE is activated, the exposure rate is reduced by 50%, thus minimizing the radiation exposure of patient and staff. Firms shall show this feature in their original catalog. Notes, remarks, ref to documentation: The features mentioned in the item are the special software of the companies that enable the device to obtain images at low doses and therefore it is requested that the Ziehm scopy device should equip these software with the equivalent feature.
Answer 354:	Please see Changes to Tender Dossier

Question 355:	Item **13.9.18** May the item revised as ;"There should have an integrated UPS that can feed the workstation of the system or an UPS that can feed the workstation of the system for at least 10 minutes shall be given." The images captured on the scopy devices can be automatically archived. Because of this, images that cannot be automatically archived need a UPS to be able to archive the resulting power failure. At the same time, systems that use UPS are disadvantageous when it is thought that it should be avoided from the systems using fan which could disrupt the sterilization in the operating theater environment.
Answer 355:	Please see Changes to Tender Dossier
Question 356:	Item **13.9.18** May the item added as; "The device can be added optional HIPAA security software for data transfer."
Answer 356:	It is rejected by Evaluation Commitee
Question 357:	Item **13.10.1** May the item revised as; "The system shall have at least two 18 "diagonal size LCD or TFT monitors and they shall be able to rotate **at least 90 degrees** around themselves or be covered on top of each other."
Answer 357:	Please see Changes to Tender Dossier
Question 358:	Item **13.10.1** May the item revised as; "The system shall have at least two 18 "diagonal size LCD or TFT monitors and they shall be able to rotate +/- 90 degrees around themselves, **or shall have a viewing angle of 160 degrees (vertical and horizontal),** or be covered on top of each other." Reason: Large viewing angle and ease of use can be provided thanks to both freedom of movement of the tables and 160 degrees of monitors in vertical and horizontal angles when our system is configured so as to get monitors on a separate monitor trolley. We request relevant article to be amended as proposed in order to allow us to offer our system and ensure competition, considering the user and public benefit.
Answer 358:	Please see Changes to Tender Dossier
Question 359:	Item **13.10.3** We request that this item be removed from the specification.
Answer 359:	It will remain as Annex III:Technical Specifications Item 13.10.3
Question 360:	Item **13.10.5** May the item revised as; "The image intensifier shall have at least **2 or** 3 fields." This item is conflicting with the article of 13.8.4. 9" Image Intensifiers always 2,3 field are being used. At that point, you have to choose one of them. So please correct this conflicting between items 13.8.4. and 13.10.5
Answer 360:	It will remain as Annex III:Technical Specifications Item 13.10.5
Question 361:	Item **13.10.5** We request that this item be removed from the specification. At the article of 13.8.4. the fields of the image intensifier is required at least 2 field. However, at the article of 13.10.5. the fields of the image intensifier is required at least 3 field. Normally 2 or 3 levels of optical magnifications are used on scopy devices, most frequently, with 9-inch devices, real images are used.
Answer 361:	It will remain as Annex III:Technical Specifications Item 13.10.5
Question 362:	Item **13.12.1** May the item revised as; "For patient and user safety, when the system is in the upright position (the image intensifier is at the top and the tube is at the bottom) the vertical radiation scattering shall not exceed 2.0 mGy / h at 0 cm - 50 cm

	or 1.0 mGy / h at 50 cm - 100 cm at shooting at a distance of 30 cm away from the image intensifier and at maximum power according to the IEC standard or with standard 20-25 cm water- conjugated **or acrylic** phantom, 70-80 kV voltage and **2-4 mA** current or when the image intensifier at the top, tube is at the bottom, the image intensifier shall not exceed 2.3 mGy / hour at the 110 kV voltage, 3 mA current, and at 10 cm height from the floor." Reason: Our system's isocherma measurements were done in compliance with the Report of AAPM (American Association of Physicists in Medicine) numbered 31, with ANSI acrylic phantom in (24.5x24.5x17.78 cm, AAPM Report No:31) 79 kV and 3.1 mA values at 30 distance from the image intensifier, and it was shown that our system's scattering doses are within the limits specified for cllincal use. We request the relevant article to be removed from the specification in order to ensure our system's compliance with the technical specification and for appropriate competition conditions.
Answer 362:	Please see Changes to Tender Dossier
Question 363:	Item **13.12.2** May the item added as; "The device should have FDA, CE and ÜTS documents."
Answer 363:	Please see Changes to Tender Dossier
Question 364:	Item **13.13.1** May the item revised as; The device shall be guaranteed for at least 2 (two) years. During the warranty period, manufacturing, assembly, material and workmanship defects shall be removed by the vendor and defective parts shall be replaced with new ones. During the warranty period, no fees shall be charged for maintenance, repair and spare parts. **(excluding usage errors, environmental conditions related errors).**
Answer 364:	Please see Changes to Tender Dossier
Question 365:	Item **13.13.3** May the item revised as Spare parts shall be provided, **in course of payment by Contracting Authority,** at least 8 (eight) years after the end of the warranty.
Answer 365:	It will be remain as Item 13.13.3 of Annex III: Technical Specifications
Question 366:	Item **13.14.1.2** We request that this item be removed from the specification. The requirements stated the article of 13.14.1.2. are the necessaires for Digital X-Rays that are used in Radiology Departments. C-Arm devices are used in operating rooms. For this reason, Removal of article of 13.14.1.2. is strongly requested / demanded.
Answer 366:	Please see Changes to Tender Dossier
Question 367:	Item **13.14.1.3** We request that this item be removed from the specification. As the C-arms are being generally used in operating theatres and as they are mobile type devices, there is no channel, cabling works in walls and ceiling, lighting of the control room and device room. So, we request this article to be deleted.
Answer 367:	Please see Changes to Tender Dossier
Question 368:	Item **13.14.1.3** We request that this item be removed from the specification. The requirements stated the article of 13.14.1.3. are the necessaires for Digital X-Rays that are used in Radiology Departments. C-Arm devices are used in operating rooms. For this reason, Removal of article of 13.14.1.3. is strongly requested / demanded.

Answer 368:	Please see Changes to Tender Dossier
Question 369:	Item **13.14.1.4** We request that this item be removed from the specification. As the C-arms are being generally used in operating theatres and as they are mobile type devices, there is no channel, cabling works in walls and ceiling, lighting of the control room and device room. So, we request this article to be deleted.
Answer 369:	Please see Changes to Tender Dossier
Question 370:	Item **13.14.1.4** We request that this item be removed from the specification. The requirements stated the article of 13.14.1.4. are the necessaires for Digital X-Rays that are used in Radiology Departments. C-Arm devices are used in operating rooms. For this reason, Removal of article of 13.14.1.4. is strongly requested / demanded.
Answer 370:	Please see Changes to Tender Dossier
Question 371:	Item **13.14.1.5** We request that this item be removed from the specification. The requirements stated the article of 13.14.1.5. are the necessaires for Digital X-Rays that are used in Radiology Departments. C-Arm devices are used in operating rooms. For this reason, Removal of article of 13.14.1.5. is strongly requested / demanded.
Answer 371:	Please see Changes to Tender Dossier
Question 372:	Item **13.14.1.5** We request that this item be removed from the specification. C-arms that are being used in operating theatres have already got air conditioners. Because of that there will be no need a second air conditioner. Also this extra air conditioner will cause to make the offers to be increased. So, we request this article to be deleted.
Answer 372:	Please see Changes to Tender Dossier
Question 373:	Item **13.14.3.1** May the item revised as; Qualified trainings that ensure to be able to use all functions of the system and to perform first level intervene to the possible failures shall be given by the Application Specialists for a minimum of 3 (three) days. These trainings will be repeated up to 3 times for each device if requested during the warranty period. Application Specialists shall also have the TCESIS Clinical Support Personnel certificate. These documents shall be submitted in the tender file as notarized."
Answer 373:	Please see Changes to Tender Dossier
Question 374:	Item **13.14.3.1** May the item revised as; "Qualified trainings that ensure to be able to use all functions of the system and to **perform first level** intervene to the possible failures shall be given by the Application Specialists for a minimum of 3 (three) days. ~~**These trainings will be repeated up to 3 times for each device if requested during the warranty period.**~~ Application Specialists shall also have the TCESIS Clinical Support Personnel certificate. These documents shall be submitted in the tender file as notarized."
Answer 374:	Please see Changes to Tender Dossier
Question 375:	Item **13.14.3.1** May the item revised as; "Qualified trainings that ensure to be able to use all functions of the system ~~**and to intervene to the possible failures**~~ shall be given by the Application Specialists for a minimum of 3 (three) days.These trainings shall be given 3 times during the guarantee period.Application Specialists shall also

	have the TCESIS Clinical Support Personnel certificate.These documents shall be submitted in the tender file as notarized." Our company cannot provide technical service and malfunction trainings, and intervening the devices, which are installed and malfunctioned within the warranty period, by unauthorized third parties will exclude the device from the warranty coverage. The training period that is specified by our company for the device should be used within a year.For the avoidance of doubt within this scope, and for the purpose of preventing potential right losses that might be incurred by your Administration in the future; we request the text of the article to be amended as proposed.
Answer 375:	Please see Changes to Tender Dossier
Question 376:	Item **14.2.2** May the item revised as; "*The device shall consists of a single unit that includes tube, tube carrier telescopic or pantograph arm, collimator, generator, flat panel digital detector and power cord that can be pulled into the device and the battery*. ~~***Also, the high voltage cable of the device shall be within the stative, there shall be no cable outside in any way."***~~ In the context of this article, "Also, the high voltage cable of the device shall be within the stative, there shall be no cable outside in any way." is the reason of distortion of competition Actually; Mobile X-Ray devices are produced in 2 types. • Type 1 Normal X-ray tube with rotating anode: Only devices of this type have high voltage cables. • Type 2 X-ray tube in monobloc structure: High voltage cables are not available in these types of devices. If this article can not be removed from the specification, we will not be able to bid with our MONOBLOK-equipped devices, even though it is completely compatible with all other materials and is a more capable device. Also; it is extremely dangerous to pass the high-voltage cables through the stand and it is dangerous for the human life Because the stand of the device is highly moving, cables that passing trough the stand may wear out due to friction or other reasons. And the tension between 40.000.V and 125.0000.V applied by the user or the patient during the shooting can be exposed and there is no chance of getting rid of it. It is dangerous to pass any electrical lines through such a device, even if it is so dangerous that the device has high voltage cables or even monoblock devices without high voltage cables. It is necessary to remove this paragraph from the article
Answer 376:	It will remain as stated in Item 14.2.2 of Technical Specifications
Question 377:	Item **14.2.2** May the item revised as; "The device shall consists of a single unit that includes tube, tube carrier telescopic or pantograph arm, collimator, generator, flat panel digital detector and power cord that can be pulled into the device and the battery. **High voltage cabling is outside the unit."**
Answer 377:	It will remain as stated in Item 14.2.2 of Technical Specifications
Question 378:	Item **14.2.2 "**The device shall consists of a single unit that includes tube, tube carrier telescopic or pantograph arm, collimator, generator, flat panel digital detector and power cord that can be pulled into the device and the battery. ~~**Also, the high voltage cable of the device shall be within the stative, there shall be no cable outside in any way."**~~

	Reasoning: This specification only allows for Mobiles Monoblock's type to be competing, while majority of the most reputable manufacturers are using X-ray Tubes and X-Ray Generators so this specification is against the worldwide accepted free competition principles. Furthermore Monoblock type mobiles have no advantage over X-Ray tube mobiles and there power i.e. kW, mA, mAs, are limited versus X-Ray Mobiles which is a disadvantage for diagnosis. Majority of the mobiles in worldwide markets are X-Ray not Monoblock and have high voltage cables outside the stative, this point blocks the free competition. For above reasons we kindly request the following change:
Answer 378:	It will remain as stated in Item 14.2.2 of Technical Specifications
Question 379:	Item **14.2.2 "***The device shall consists of a single unit that includes tube, tube carrier telescopic or pantograph arm, collimator, generator, flat panel digital detector and power cord that can be pulled into the device and the battery.* ***~~Also, the high voltage cable of the device shall be within the stative, there shall be no cable outside in any way~~."*** **Justification**: This specification only allows Monoblock type mobiles to make an offer which is against the worldwide accepted free competition principles. Furthermore Monoblock type mobiles have no advantage over standard mobiles. Additionally, most of the mobiles in worldwide markets have high voltage cables outside the stative, this point blocks the free competition. For this reason we kindly request the following change:
Answer 379:	It will remain as stated in Item 14.2.2 of Technical Specifications
Question 380:	Item **14.2.4** May the item added as*"The device should have at least one of the following mobility enhancements.* ***a)*** *The device should have a pantograph arm feature. For this purpose, the height of the focal point of the X-ray tube shall be adjustable from at least 47 cm to 213 cm or wider and horizontal movement range of the arm shall be adjustable from 40 cm to 124 cm or wider. The detector should have at least one carry handle integrated with the detector for easy and safe handling. Detector which contains a separate holder will not be accepted.* *The wireless detector of the device should be maximum 2.8 kg including the battery. However, the system must have two independent batteries for driving and shooting. The device should be able to go for 20 km with full charge."*
Answer 380:	Please see Changes to Tender Dossier
Question 381:	Item **14.2.5** May the item added as"The device should have FDA, CE and ÜTS documents."
Answer 381:	Please see Changes to Tender Dossier
Question 382:	Item **14.3.2** May the item revised as; X-ray tube and tube carrier telescopic arm ***~~or pantograph arm~~***" In the the Tenders of MOH Shores & Borders Health Management on 2015/ 37465 (reg. No) for 90 pcs Digital Mobile X-Ray Device as well as on, 2016/386064 register no for 115 pcs Digital Mobile X-Ray Device and on 2017/359822 (reg. No.) for 19 pcs Digital Mobile X-Ray Device technical requirements for this article was mentioning as only "telescopic arm". Because the pantograph arm is the technology used up to 10 years ago. When it comes to the market of motorized and battery-operated digital mobile x-ray devices, only the superior technology of telescopic armed devices has come on to the market. The pantograph arm is very insufficient to position the patient. Telescopic arm rotates freely in all directions. In addition, pantographic arm devices and telexopic arm devices can not be competing for the

	same price because the pantographic arm device has a price advantage over the telescopic arm device because of it's old technology.
Answer 382:	It will remain as stated in Item 14.3.2 of Technical Specifications
Question 383:	Item **14.4**: May the item added/revised as; "The generator must be microprocessor controlled and operate with high frequency or high frequency converter technology. The operating frequency must be at least 40 kHz" 14.4 of the technical specification includes some technical values of the x-ray generator, but it has not been stated whether the x-ray generators will be the high frequency technique or the old technological type 50 years ago. The high frequency value, which is an indispensable feature of X-ray devices, must be specified in the specification. One of the most important factors determining quality in digital X-ray machines is the high frequency value of the generator. It has also been registered in the 2008 / UM.Z-118 decision of the Public Procurement Authority. In recent years, no manufacturer of brand name produces mobile X-ray devices under 40 kHz. The frequency value of all MOBILE digital X-ray devices which are brand-name produced all over the world is 40 kHz on average. All the generators below 40 kHz are below the certain quality and are produced with low technology. Ex: Siemens -Germany = 40 kHz, TECHNIX 40 kHz, IMD-Italy = 40 kHz / ITALRAY-Italy = 40 kHz. In order for your institution to be able to receive a correct and high quality device, or in other words not to buy a low-quality and old-technology device, the addition of the following statement to the technical specification will be of benefit to your organization 100%.
Answer 383:	It is not accepted by the Evaluation Committee
Question 384:	Item **14.4.1: Generally** for that kind of devices 32 kW of generator will be too much enough for all operations ad mostly all manufacturers in all over the world uses the same generator power (32 kW). So, we ask the item to be changed as "The x-ray generator shall be **at least 32 kW** power."
Answer 384:	It will be remain as stated in Item 14.4.1 of the Technical Specifications
Question 385:	Item **14.4.1**: May the item revised as; *"The x-ray generator shall be at least **30kW** power."* The maximum power level of X-ray generators produced in the world is produced as a maximum of 30 kW as a standard. A device with a rated power of 35 kW is available on a single device.. This article points to a single firm and brand. It is preventing competition. According to the high power value of this device T.S. 14.4.7. It is not possible to have a light weight of 380 kg as stated in the article becomes a heavier system. T. S. 14.4.1. and T.S. 14.4.7. the substance is technically and physically incompatible with one. Changing this article very important for the compete on equal terms with importer companies. And it's also very important in terms of our country.
Answer 385:	It will be remain as stated in Item 14.4.1 of the Technical Specifications
Question xxx:	Item **14.4.1**: May the item revised as; *"The x-ray generator shall be at least **30kW** power."* In the the Tenders of MOH Shores & Borders Health Management on 2015/ 37465 (reg. No) for 90 pcs Digital Mobile X-Ray Device as well as on , 2016/386064 register no for 115 pcs Digital Mobile X-Ray Device and on 2017/359822 (reg. No.) for 19 pcs Digital Mobile X-Ray Device technical requirements for this article was mentioning as"generator powe min. 30 kW". While 224 pcs devices are

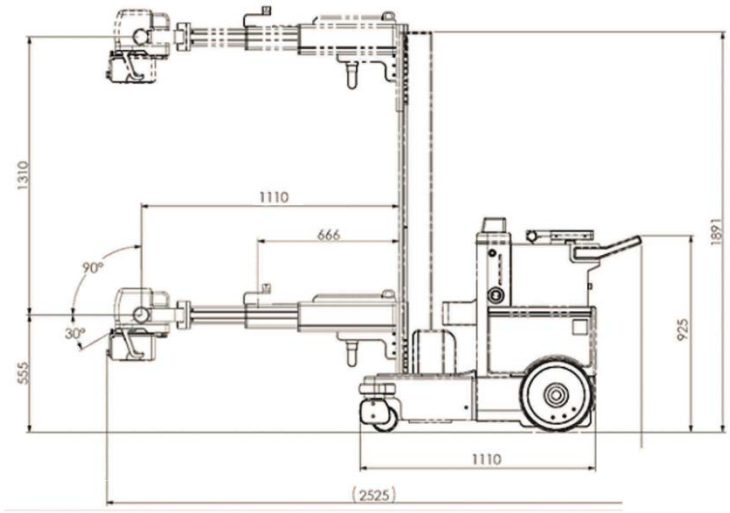
	currently is use within MOH Hospitals by 30 kW devices , who ? and Why ? wrote teccnical requirements min. 35 kW condition ? If this article does not change, the principle of competition and, as a consequence, the principle of efficient consumption of public resources will be violated. As MOH's largest digital mobile x-ray equipment supplier, we emphasize that we can not meet this requirement.
Answer xxx:	It will be remain as stated in Item 14.4.1 of the Technical Specifications
Question 386:	Item **14.4.2**: May the item revised as; ***"****Radiographic voltage shall be adjustable at least 40 kV to* ***150 kV*** *in 1 kV interval or at least in 24 steps."* The mobile digital X-ray system has 40 – 150 kV range. In this way, the system provides better image quality in obese patients. To define an advanced feature of the mobile X-ray system and to maintain public interest in the technical specification, it is kindly requested that the technical specification be amended as specified.
Answer 386:	It will be remain as stated in Item 14.4.2 of the Technical Specifications.
Question 387:	Item **14.4.3**: May the item revised as;*"In the system, mAs is adjustable gradually at least from* ***0,50 to 250 mAs****."* To ensure a full competition. Because, it is a known technical fact that exposures are not made for any organ imaging at a value higher than 100 mAs. As MOH's largest digital mobile x-ray equipment supplier, we emphasize that we can not meet this requirement.
Answer 387:	It will be remain as stated in Item 14.4.3 of the Technical Specifications.
Question 388:	Item **14.4.3**: May the item revised as;*"In the system, mAs is adjustable gradually at least from* ***0,1 to 500 mAs****."* The mobile digital X-ray system has 0.1 - 500 mAs range. The system provides low dose advantage in pediatric patients thanks to minimum current value of 0.1 mA per second while achieving high quality images in obese patients thanks to the value of 500 mAs reached by the system. To define an advanced feature of the mobile X-ray system and to maintain public-interest in the technical specification, it is kindly requested that the technical specification be amended as specified.
Answer 388:	It will be remain as stated in Item 14.4.3 of the Technical Specifications.
Question 389:	Item **14.4.4**: May the item revised as; "The maximum current that the device can supply shall be **at least 500mA**." The mobile digital X-ray system has 10- 500 mA range. Better image quality is achieved in obese patients with the current value of 500 mA reached by the system To define an advanced feature of the mobile X-ray system and to maintain public-interest in the technical specification, it is kindly requested that the technical specification be amended as specified.
Answer 389:	It will be remain as stated in Item 14.4.4 of the Technical Specification
Question 390:	Item **14.4.5**: May the item revised as; "The minimum exposure time shall be no longer than **4 ms.**" "The minimum exposure time is 1 ms in the system. Reducing the minimum exposure time helps to shoot with lower dose, it is also an important factor for efficient workflow. To define an advanced feature of the mobile X-ray system and to maintain public-interest in the technical specification, it is kindly requested that the technical specification be amended as specified."
Answer 390:	Please see Changes to Tender Dossier
Question 391:	Item **14.4.7**: May the item revised as; ***"****The weight of the device shall be maximum* ***580 kg."***

	In the the Tenders of MOH Shores & Borders Health Management on 2015/ 37465 (reg. No) for 90 pcs Digital Mobile X-Ray Device as well as on , 2016/386064 register no for 115 pcs Digital Mobile X-Ray Device and on 2017/359822 (reg. No.) for 19 pcs Digital Mobile X-Ray Device technical requirements for this article was mentioning as " wight of the device will be max. 580 kg". This item is of great importance for the purpose of competition. Are the technical members, who make the maximum weight determination of 380 kg for the motorized digital portable X-ray machine, aware of how they have eliminated the competition? As MOH's largest digital mobile x-ray equipment supplier, we emphasize that we can not meet this requirement.
Answer 391:	Please see Changes to Tender Dossier
Question 392:	Item **14.4.7:** May the item revised as; **"***The weight of the device shall be maximum* ***435 kg."***
Answer 392:	Please see Changes to Tender Dossier
Question 393:	Item **14.4.7:** **Reasoning**: One of the most important requirements for an X-Ray Mobile Unit is its ability to move long distances within the health facility as well as making the maximum number of exposures of high mAs without being recharged. As the batteries in the Mobile are the ones feeding the motors for movement and are used also for delivering the energy to make exposures, it is necessary and desired to have the maximum storage energy. This in turn increases the number of batteries and consequently the weight of the mobile. The increased weight is in favor of the hospitals and extra weight can be used with no problems in standard hospital/ medical facility elevators. Most of digital battery mobile manufacturer companies use independent batteries technology and their device weight is more than 500kg. For this reason, we would like the following revision to the specifications: **"***The weight of the device shall be maximum* ***580 kg."***
Answer 393:	Please see Changes to Tender Dossier
Question 394:	Item **14.4.7:** With strong integrated battery system of our device, there will be no problem about back&forward movement of the device. So we want that item to be changed as *"The weight of the device shall be maximum* ***450 kg".***
Answer 394:	Please see Changes to Tender Dossier
Question 395:	Item **14.4.7:** May the item revised as; *"The weight of the device shall be maximum* ***580*** *kg.."* This article prevents the entry of many firms into tender, and therefore there is no competition environment. It is not technically possible for mobile x-ray devices (with battery) to weigh up to 380 kg. The devices of the straw telescopic type must be heavy to overturn. It is technically impossible to have a weight of 580 KG when you calculate the components such as generator, battery, tube etc… together Changing this item as follows is very important in terms of competition.
Answer 395:	Please see Changes to Tender Dossier
Question 396:	Item **14.4.7:** May the item revised as; "*The weight of the device shall be maximum* ***580*** *kg.*" This item is a competitive obstacle and at the same time points to a single firm. It is both technically and physically impossible that the weight of the mobile x-ray apparatus is 380 kg. Because; the devices are integral with the battery, the tube, the

	generator, and other mechanical parts, and it is not possible for such devices to be 380 kg.
Answer 396:	Please see Changes to Tender Dossier
Question 397:	Item **14.4.7:** **Justification**: The most important requirement for a mobile; is its ability to move long distances within the health facility with motors and still be able to make exposures after arriving to the desired location. This dictates that; high energy storage and preferably also two separate (Movement and X-Ray operation) batteries. This in turn increases the number of batteries and consequently the weight of the mobile. The increase we need is in favor of the hospitals and no way eliminates the advantage of 380 kg mobiles since both of them require standard hospital/ medical facility elevators. Most of digital battery mobile manufacturer companies use independent batteries technology and their device weight is more than 575kg. For this reason we would like the following revision to the specifications: "*The weight of the device shall be maximum **580** kg.*"
Answer 397:	Please see Changes to Tender Dossier
Question 398:	Item **14.4.7:** May the item revised as; *"The weight of the device shall be maximum **580** kg."* It is preventing competition. It is not possible for the battery mobile x-ray devices described in the other articles of the specification to be a device with a light weight of 380 kg. Because; 1.The purchased device is a telescopic type device. There is a risk of overturning the device if the stiffness of this device moves left and right and back and forth. To be able to eliminate this risk, the device must be heavy. 2.Technical specification 14.4.1. the device should be at least 35 kW and T.S. 14.4.3. it was demanded that it was 300 mAs. With this powerful generator, at least 40 battery capacitor bloc is required so that the battery can be taken up to 300 mAs. This also affects the weight of the device. It is not possible to have 380 kg of the device according to such high power value, it becomes a heavier system 3. When calculated together with the mechanical parts of the X-ray generator + Tube + battery group + device it is not possible for the weight of the devices to be lower than 580 kg 4.Tender to 200 piece of X-Ray device is made by the HUDUT SAHİLLER SGM earlier in Turkey and weight of the devices was written as 580 kg maximum and 4-5 companies were bid on the tender. Changing this article very important for the compete on equal terms with importer companies. And it's also very important in terms of our country.
Answer 398:	Please see Changes to Tender Dossier
Question 399:	Item **14.4.7:** It is not possible for the demanded device to be 380 kg. We request that you change this item as fallows so we can bid your tender. *"The weight of the device shall be maximum **590** kg."*
Answer 399:	Please see Changes to Tender Dossier
Question 400:	Item **14.4.7:** May the item revised as; **"***The weight of the device shall be maximum **580** kg."* The weight of the mobile digital X-Ray system is 580 kg. To comply with the technical specification and participate in the tender, it is kindly requested that the technical specification be amended as specified.

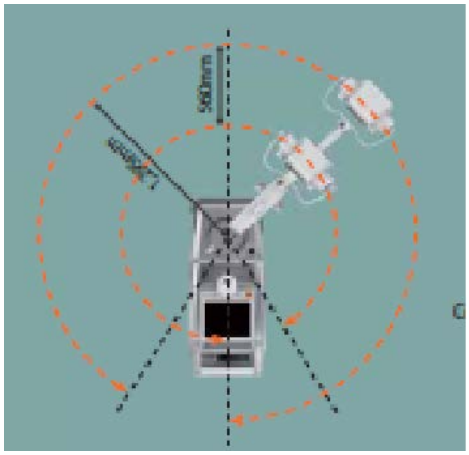
Answer 400:	Please see Changes to Tender Dossier
Question 401:	Item **14.4.7:** May the item revised as;**"***The weight of the device shall be maximum **600** kg.*
Answer 401:	Please see Changes to Tender Dossier
Question 402:	Item **14.4.8** May the new item added as; "In systems where the weight of the device is over 400 kg, for every 10 kg exceeding 400 kg at least 2 batteries (1 device, 1 detector) shall be provided."
Answer 402:	No such item will be inserted.
Question 403:	Item **14.5.2:** May the item revised as; Focus degrees of our device for small focus is 0,8 mm and for large focus is 1,3 mm. Also the difference between 0,7 mm of small focus and 0,8 mm of small focus are not too big. Both of them are giving the same result. So, we request the item to be changed as "*The X-ray tube shall be single or double focused, the size of the focus shall be no more than 0.8 mm at the single focus.In double-focus, small focus shall be no more **than 0.8 mm** and the size of the large focus shall be no more than 1.3 mm."*
Answer 403:	It will be remain as stated in Item 14.5.2 of Technical Specification
Question 404:	Item **14.5.3:** May the item revised as; ***"****The device shall have a **rotating anode tube**. The anode heat capacity of the device shall be at least **120.000 HU."*** The system has rotating anode X-ray tube. The anode heat capacity of the system is 300.000 HU. Rotating anode X-ray tubes have a longer lasting than X-ray tubes with fixed anode. Systems with higher anode heat capacity allows working on much more patients quickly without causing any hesitance during procedures. To define an advanced feature of the mobile X-ray system and to maintain public-interest in the technical specification, it is kindly requested that the technical specification be amended as specified.
Answer 404:	Please see Changes to Tender Dossier
Question 405:	Item **14.5.4:** May the item revised as; **"***The heat capacity of the x-ray tube **with a rotating anode** shall be at least **1.000.000 HU."*** The heat capacity of the X-ray tube is 1.250.000 HU in the system. Systems with higher heat capacity allows working on much more patients quickly without causing any hesitance during procedures. X-ray tubes with a rotating anode has a longer lasting than the X-ray tubes with fixed anodes. To define an advanced feature of the mobile X-ray system and to maintain public-interest in the technical specification, it is kindly requested that the technical specification be amended as specified.
Answer 405:	Please see Changes to Tender Dossier
Question 406:	Item **14.5.4:** Heat capacity of our device is 630.000 HU. Also the difference between 630.000 HU and 800.000 HU are not too big. Both of them are giving the same result. So, we request the item to be changed as *"The heat capacity of the x-ray tube shall be at least **630.000 HU**."*
Answer 406:	Please see Changes to Tender Dossier
Question 407:	Item **14.5.4:** May the item revised as; "*The heat capacity of the x-ray tube shall be at least **680.000 HU**."*
Answer 407:	Please see Changes to Tender Dossier

Question 408:	Item **14.5.5:** May the item revised as; *"The horizontal and vertical mobility of the tube carrier arm shall allow it to be adjusted without moving the device. For this purpose, the height of the focal point of the X-ray tube shall be adjustable from at* ***least 55 cm to 200 cm*** *at the desired height and the horizontal movement of the arm shall be extended at least up to 120 cm."* The height of the focal point of the X-ray tube is adjustable from 53cm - 202 cm in the system. To comply with the technical specification and participate in the tender, it is kindly requested that the technical specification be amended as specified.
Answer 408:	Please see Changes to Tender Dossier
Question 409:	Item **14.5.5:** May the item revised as; *"The horizontal and vertical mobility of the tube carrier arm shall allow it to be adjusted without moving the device. For this purpose, the height of the focal point of the X-ray tube shall be adjustable from at* ***least 78,5 cm to 204.5 cm*** *at the desired height and the horizontal movement of the arm shall be extended at least up to* ***107*** *cm."*
Answer 409:	Please see Changes to Tender Dossier
Question 410:	Item **14.5.5:** May the item revised as; ***"****The horizontal and vertical mobility of the tube carrier arm shall allow it to be adjusted without moving the device. For this purpose, the height of the focal point of the X-ray tube shall be adjustable from at least* ***55 cm to 200 cm*** *at the desired height and the horizontal movement of the arm shall be extended at least up to 120 cm.* ***The system shall be able to move within 4 seconds after it is turned on and be ready to operation within 25 seconds."***
Answer 410:	Please see Changes to Tender Dossier
Question 411:	Item **14.5.5:** May the item revised as; *The horizontal and vertical mobility of the tube carrier arm shall allow it to be adjusted without moving the device. For this purpose, the height of the focal point of the X-ray tube shall be adjustable from at least* ***70 cm to 197 cm*** *at the desired height and the horizontal movement of the arm shall be extended at least* ***up to 107 cm.****"*
Answer 411:	Please see Changes to Tender Dossier
Question 412:	Item **14.5.5:** May the item revised as; *"The horizontal and vertical mobility of the tube carrier arm shall allow it to be adjusted without moving the device. For this purpose, the height of the focal point of the X-ray tube shall be adjustable from at least* ***60 cm to 170 cm*** *at the desired height and the horizontal movement of the arm shall be extended at least up to* ***100 cm****."* 1. It is not possible for this device to have a height of 50-210 cm. This article is not physically and technically possible with the following reasons. In order for the device to approach 50 cm from the point of the spot of the device, the height of the device must be at most 2 cm above the ground, which is not possible. Because the stand moved by the tube; it is mounted on the device and on the floor surface of the device and has to be the production and installation intervals of inner rail systems and other movement mechanisms that allow the tube to move up and down. For this reason, in mobile X-ray devices, the tube can be moved up to 60 cm at most. Downward descent is technically and physically impossible. More understandable than the technical drawing of the following device. 2. For the tube of the device to rise up to 210 cm;

	a. The tube stand must be at least 220 cm long so that the tube carrier arm can move up to 210 cm above this 220 cm on stand. b. Assuming that the tube carrier is connected to the stator, the distance from the extreme end of the stator is at least 230 cm high, assuming that the carrier height of the device is at least 10 cm. In this case, how will the user operate a device with a length of 230 cm? How do you pass through doors and elevators? how to use it as a mobile device? It is IMPOSSIBLE to pass such a long device through standard type cones or hospital gates. For safe driving and effective use of these types of mobile DR systems, the height of the tube stand is limited to a maximum of 180 cm. 3. In order for the arm of the device to extend up to 120 cm from the horizontal axis, the length of the tube carrier arm of the device must be at least 80, which is not possible and disrupts the general equilibrium of the device. This value is produced as a maximum of 100 cm for standard x-ray mobile devices.  Changing this article very important for the compete on equal terms with importer companies. And it's also very important in terms of our country.
Answer 412:	Please see Changes to Tender Dossier
Question 413:	Item **14.5.5:** May the item revised as; **"***The horizontal and vertical mobility of the tube carrier arm shall allow it to be adjusted without moving the device. For this purpose, the height of the focal point of the X-ray tube shall be adjustable from at least* ***62 cm to 200 cm*** *at the desired height and the horizontal movement of the arm shall be extended at least up to* ***110 cm****."* Above changes will not affect usability of the products since the mentioned lengths are much more than enough. Above requests at the former text are specific to some products and will strictly limit the competition.
Answer 413:	Please see Changes to Tender Dossier
Question 414:	Item **14.5.5:** May the item revised as; **"***The horizontal and vertical mobility of the tube carrier arm shall allow it to be adjusted without moving the device. For this purpose, the height of the focal point of the X-ray tube shall be adjustable from at*

	*least **69 cm to 180 cm** at the desired height and the horizontal movement of the arm shall be extended at least up to **100 cm**."* In the the Tenders of MOH Shores & Borders Health Management on 2015/ 37465 (reg. No) for 90 pcs Digital Mobile X-Ray Device as well as on , 2016/386064 register no for 115 pcs Digital Mobile X-Ray Device and on 2017/359822 (reg. No.) for 19 pcs Digital Mobile X-Ray Device technical requirements for this article was mentioning as" the height of the focal point of the tube should be at least 69 cm -180 cm and at least 100 cm should be extensible ". While these requirements were available , who and by which purpose has changed those values to a 50 cm value that only devices with Pantographic Arm can achieve? Also , The height of 210 cm is the problem of not passing the device from the hospital doors. In the same way, horizontal movement of the arm should be determined as 100 cm. We demand that these changes are very important for the competition. As MOH's largest digital mobile x-ray equipment supplier, we emphasize that we can not meet this requirement.
Answer 414:	Please see Changes to Tender Dossier
Question 415:	Item **14.5.5:** **Reasoning**: The main usage of the mobile X-Ray units is for X-Ray exams for patients on patient beds, stretchers and wheel chairs. For all these applications never needed below 55 cm and above 200 cm. Therefore the height of the focal point of the X-ray tube should be adjustable between 55 cm to 200 cm. It is zero advantages lower or higher specifications For this reason, in order to allow us to provide more offers and ensure the free competition, we kindly request the following change: *"The horizontal and vertical mobility of the tube carrier arm shall allow it to be adjusted without moving the device. For this purpose, the height of the focal point of the X-ray tube shall be adjustable from at **least 55 cm to 200 cm** at the desired height and the horizontal movement of the arm shall be extended at least up to 120 cm."*
Answer 415:	Please see Changes to Tender Dossier
Question 416:	Item **14.5.5:** **Justification**: The main operation of the mobile X-Ray units is the X-Ray exams for patients on patient beds, stretchers and wheel chairs. For all these applications never needed below 55 cm and above 200 cm. Therefore the height of the focal point of the X-ray tube should be adjustable between 55 cm to 200 cm. For this reason, in order to allow us to provide our offer and ensure the free competition, we kindly request the following change: *"The horizontal and vertical mobility of the tube carrier arm shall allow it to be adjusted without moving the device. For this purpose, the height of the focal point of the X-ray tube shall be adjustable from at **least 55 cm to 200 cm** at the desired height and the horizontal movement of the arm shall be extended at least up to 120 cm."*
Answer 416:	Please see Changes to Tender Dossier
Question 417:	Item **14.5.6:** May the item revised as; ***"**The X ray tube shall be able to turn at least **-180/+180 degrees** and the tube carrier arm at least **+/- 270 degrees** without moving the device."*** The X-ray tube of the system is able to turn -/ + 180 degrees. The X-ray tube column is able to turn +/- 317 degrees without moving the system. The angle values of the system allow easier positioning during operation. To define an advanced feature of the mobile X-ray system and to maintain public-interest in the technical specification, it is kindly requested that the technical specification be amended as specified.
Answer 417:	It will be remain as stated in Item 14.5.6 of Technical Specification
Question 418:	Item **14.5.6:** May the item revised as; *"The X ray tube shall be able to turn at least -90 / + 165 degrees and the tube carrier arm at least **+/- 180 degrees** without moving the device."*

Answer 418:	It will be remain as stated in Item 14.5.6 of Technical Specification
Question 419:	Item **14.7.2:** May the item revised as; ***"The independent two batteries*** *of the device shall allow the device to move motorized and enable the radiography to feed the generator* ***separately."*** The mobile digital X-ray system has two independent batteries. One of them provides the motorized movement of the device while the other feeds the generator. In this way, the system can be operated in radiography even if the other battery is defected or run out of work. To define an advanced feature of the mobile X-ray system and to maintain public-interest in the technical specification, it is kindly requested that the technical specification be amended as specified.
Answer 419:	It will be remain as stated in Item 14.7.2 of Technical Specification
Question 420:	Item **14.7.3:** May the item revised as; **"***There shall be generator unit and* ***independent batteries*** *that ensures the motorized movement of the device, and the device shall be capable of at least 80 shooting with full shooting battery at the device maximum mAs value and these shall be proven in the technical documentation."* The mobile digital X-ray system has two independent batteries One of them provides the motorized movement of the device while the other feeds the generator. In this way, the system can be operated in radiography even if the other battery is defected or run out of work. To define an advanced feature of the mobile X-ray system and to maintain public-interest in the technical specification, it is kindly requested that the technical specification be amended as specified.
Answer 420:	Please see Changes to Tender Dossier
Question 421:	Item **14.7.3:** To be very realictic, there will never be in max mAs degree, 80 time of exposure is not possible to do. In max. mAs degree, maximum 20 time consecutive exposure can be done.In several mAs degrees, making 80 and over exposure can be possible. It is a basis to state the real degrees for any technical specifications. For this purpose, demanding min.20 exposure will be more closer to the reality. So, we request the item to be changed as " *There shall be generator unit and independent batteries or integrated battery that ensures the motorized movement of the device, and the device shall be capable of* ***at least 25 shooting*** *with full shooting battery at the device maximum mAs value and these shall be proven in the technical documentation.*" **OR** "*There shall be generator unit and independent batteries or integrated battery that ensures the motorized movement of the device, and the device shall be capable of at least 80 shooting with full shooting battery at the device* ***SEVERAL mAs values*** *and these shall be proven in the technical documentation."*
Answer 421:	Please see Changes to Tender Dossier
Question 422:	Item **14.7.3:** May the item revised as; **"***The unit must have independent generators or integrated batteries that provide the generator unit and the motorized movement of the unit, and must be capable of at least 80 shots with fully charged battery with* ***50 kV - 5 mAs dose values*** *and these must be proven in the technical documentation."* As explained above with respect to the batteries of the devices, the battery numbers and characteristics of the battery portable x-ray apparatuses manufactured by using the most advanced level of the present day battery technology in these devices are designed for taking a maximum of 100 movies at the average dose values. The same battery group is also used for the energy requirement of the motor movement of the device. In this case, with energy stored in the battery, an average of 50-80 movies can be taken on average for both motor and shooting

	Since '300 mAs' is mentioned as the maximum value in the 14.4.3 specification of the Technical Specifications, in order to take 80 exposures with fully charged batteries, the device will require at least 100 batteries which is regarded as impossible. For this reason, "device is in the maximum mAs value" phrase in this specification is technically impossible and besides, it avoids competition.
Answer 422:	Please see Changes to Tender Dossier
Question 423:	Item **14.7.3:** May the item revised as; *"There shall be generator unit and independent batteries or integrated battery that ensures the motorized movement of the device. The device shall be capable of at least 80 shooting with full shooting battery at the device maximum mAs value* ***or at least 180 shooting with 70 kV / 20 mAs*** *and these shall be proven in the technical documentation."*
Answer 423:	Please see Changes to Tender Dossier
Question 424:	Item **14.7.7:** May the item revised as; In all hospital , width of doors are min.90 cm also in intensive care and other units , 2 gap of bed are not less than 1 meter for use and infections. So, we request the item to be changed as "*The device shall be able to move in forward and backward directions as an engine control, and be able to pass at least* ***70 cm*** *wide in the transport position. Additionally, device shall have a brake mechanism that can immediately stop the device in an emergency*."
Answer 424:	Please see Changes to Tender Dossier
Question 425:	Item **14.7.7:** May the item revised as; *The device shall be able to move in forward and backward directions as an engine control, and be able to pass at least* ***70 cm*** *wide in the transport position. Additionally, device shall have a brake mechanism that can immediately stop the device in an emergency."* The width of the device is required to be smaller than 60 cm so that the device can pass through 60 cm doors. It is not possible. In addition, T.S. 14.5.5. and T.S. 14.5.6. physically and technically incompatible with the material. Because the technical specification 14.5.6. it is necessary that the balance weight system and the width of the device should be in accordance with the acceleration and counterbalance weight to be centered in this conversion so that the "... tube carriage arm can rotate at least +/- 90 degrees". Otherwise, the tube stator is turned to the left and right and at the same time the technical specification 14.5.5. it is inevitable to tilt the device with a lateral acceleration of 60 cm denier in the case of extending the forward direction of the tube by 120 cm.  For this reason T.S. 14.7.7. The following changes to the Article are of great importance in terms of the harmonization of all the elements of the technical specification with each other and the competitiveness.

Answer 425:	Please see Changes to Tender Dossier
Question 426:	Item **14.7.7:** May the item revised as; ***"****The device shall be able to move in forward and backward directions as an engine control, and be able to pass at least **70 cm** wide in the transport position. Additionally, device shall have a brake mechanism that can immediately stop the device in an emergency."* The mobile digital X-ray device is able to pass at least 67 cm. To comply with the technical specification and participate in the tender, it is kindly requested that the technical specification be amended as specified.
Answer 426:	Please see Changes to Tender Dossier
Question 427:	Item **14.7.7:** May the item revised as; *"The device shall be able to move in forward and backward directions as an engine control, and be able to pass at least **69 cm** wide in the transport position. Additionally, device shall have a brake mechanism that can immediately stop the device in an emergency "* Above width is more than enough fort he system to pass through hospital doors. Value at the former text will strictly limit the competition.
Answer 427:	Please see Changes to Tender Dossier
Question 428:	Item **14.7.7:** *According to the Ministry of public works and settlement building code guidelines "the width of the Apartment doors between rooms cannot be less than (0.90) m. ".* *Besides;* *The Ministry Of Health Hospitals Regulation for Patient rooms* *"Article 20- Patient rooms shall be positioned such a way to be lighten with sufficient direct daylight, , and the walls and floors shall be flat and easy to clean and must be conducive to disinfection.* *Patient room door width, shall be at least 110 cm (one meter and 10 centimeters); patient rooms, toilet and bathroom doors to open outward. ".* Those two regulations clearly allow Mobiles and stretchers with widths over 80 cm to pass through the doors and walkways. In order to ensure the free competition, the article should be changed as below: *"The device shall be able to move in forward and backward directions as an engine control, and be able to pass at least **70 cm** wide in the transport position. Additionally, device shall have a brake mechanism that can immediately stop the device in an emergency."*
Answer 428:	Please see Changes to Tender Dossier
Question 429:	Item **14.7.7:**

	According to the Ministry of public works and settlement building code guidelines "the width of the Apartment doors between rooms cannot be less than (0.90) m. ". *Besides;* *The Ministry Of Health Hospitals Regulation for Patient rooms* *"Article 20- Patient rooms shall be positioned such a way to be lighten with sufficient direct daylight, , and the walls and floors shall be flat and easy to clean and must be conducive to disenfection.* *Patient room door width, shall be at least 110 cm (one meter and 10 centimeters); patient rooms, toilet and bathroom doors to open outward. ".* Those two regulations clearly allow devices and stretchers with widths over 80 cm to pass through the doors and hallways . Furthermore the width of the device that we will offer is 67cm. To allow us to make an offer to the tender and ensure the free competition the article should be changed as below: *"The device shall be able to move in forward and backward directions as an engine control, and be able to pass at least **70 cm** wide in the transport position. Additionally, device shall have a brake mechanism that can immediately stop the device in an emergency."*
Answer 429:	Please see Changes to Tender Dossier
Question 430:	Item **14.8.1:** **Justification**: Most of manufacturers use the control panels 15 inches size which are designed to be able to cover all kind of studies and there is not any advantage for diagnosis by increasing the size of the touch sensitive control and only add cost to the Mobile. To be able to give offer to the tender and ensure the competition the point should be changed as below; **New article 14.8.1 "There shall be a touch-sensitive control panel that is at least 15 inches in size, integrated and diagonally on the device. The generator shall be fully integrated with the control console (there will be no separate generator console). All of the "logon" operations for setting of the generator (shooting), monitoring the patient list, selecting the type of examination and setting of the shooting parameters, monitoring the patient image taken and printing the film and turning the device on / off shall be done via the device's control console and via the same interface. It shall be possible to take information from the HIS (Hospital Information System) / RIS (Radiology Information System) and monitor the patient images taken."**
Answer 430:	It will remain as stated Item 14.8.1 of the Technical Specification
Question 431:	Item **14.8.5:** May the item revised as; **"***The device shall have a memory capacity of at least **4.000** images."* The mobile digital X-ray system has a memory capacity of at least 4.000 images. To comply with the technical specification and participate in the tender, it is kindly requested that the technical specification be amended as specified.
Answer 431:	Please see Changes to Tender Dossier
Question 432:	Item **14.9.5:** May the item revised as; *"The resolution of the digital detector shall be at least 2280 x 2800 pixels. The spatial resolution shall be at least **3 Ip / mm**."*
Answer 432:	Please see Changes to Tender Dossier
Question 433:	Item **14.9.7:** May the item revised as; *"Pixel depth shall be at least **16 bits**."* Pixel depth is 16 bits in the system. To get higher quality images, detector pixel depth is an important factor. To define an advanced feature of the mobile X-ray system and

	to maintain public-interest in the technical specification, it is kindly requested that the technical specification be amended as specified.
Answer 433:	Please see Changes to Tender Dossier
Question 434:	Item **14.9.10:** May the item revised as; ***"****The weight of the detector shall be no more than* ***3,0 kg*** *including battery."* Having less weight provides operational comfortability for the user. To define an advanced feature of the mobile X-ray system and to maintain public-interest in the technical specification, it is kindly requested that the technical specification be amended as specified.
Answer 434:	It will remain as stated Item 14.9.10 of the Technical Specification
Question 435:	Item **14.9.14:** May the item revised as; *"The detector battery shall be in a capacity that can capture* ***at least 500 images*** *when fully charged*." We think that for 950 image for capturing written wrongly.
Answer 435:	Please see Changes to Tender Dossier
Question 436:	Item **14.9.14:** May the item revised as; *"The detector battery should be at a capacity capable of capturing* ***at least 100 images within 8 hours*** *when fully charged."* Because the detector batteries produced by using the most advanced level of current detector technology in portable x-ray devices are capable of capturing a maximum of 100 images with fully charged state. The ability to capture 950 images of any detector battery with a fully charged charge is not feasible both physically and technically for all X-ray devices produced in the current world market and advanced technology. In addition, the conditions and reference points for 950 movies can not be specified. E.g; 1. 950 film capacities ONLY can be a right demand if you can shoot non-stop at 22 sec intervals. However, this is very far from the norms of normal use and opposition to the normal flow of life is impossible. 2. A maximum of 150 shots can be taken with a detector in the case of mixed shots and random shots during normal working hours. Because the detectors do not shoot, they also consume energy in themselves. This reduces battery life and reduces the number of shots. 3. If you shoot continuously in 60 minutes, you can have a capacity to shoot 950 movies. As can be seen from the examples, the demand for energy for 950 film capacity is a far cry from the technological reality. The number of film shots that are not the starting and ending points prevents competition.
Answer 436:	Please see Changes to Tender Dossier
Question 437:	Item **14.9.14**; May the item removed from the technical spesifications? No detector in the world wth a full charged battery can acquire 950 images until it is empty. In the the Tenders of MOH Shores & Borders Health Management on 2015/ 37465 (reg. No) for 90 pcs Digital Mobile X-Ray Device as well as on, 2016/386064 register no for 115 pcs Digital Mobile X-Ray Device and on 2017/359822 (reg. No.) for 19 pcs Digital Mobile X-Ray Device technical requirements, condition of this item has not required. How come a 950 exposures will be made during the final acceptance of the devices. For this reason, this technical feature in front of the competition must be completely removed from the specification.
Answer 437:	Please see Changes to Tender Dossier

Question 438:	Item **14.9.14:** May the item revised as; *"The detector battery shall be in a capacity that can capture at least **525** images when fully charged."* The detector battery has a capacity that can capture at least 525 images when fully charged. To comply with the technical specification and participate in the tender, it is kindly requested that the technical specification be amended as specified.
Answer 438:	Please see Changes to Tender Dossier
Question 439:	Item **14.10.1:** May the item revised as; "The device shall be guaranteed for at least 2 (two) years. During the warranty period, manufacturing, assembly, material and workmanship defects shall be removed by the vendor and defective parts shall be replaced with new ones. During the warranty period, no fees shall be charged for maintenance, repair and spare parts. ***(excluding usage errors, environmental conditions related errors) "***
Answer 439:	Please see Changes to Tender Dossier
Question 440:	Item **14.10.3:** May the item revised as; *"Spare parts shall be provided, **in course of payment by Contracting Authority,** for a fee of at least 8 (eight) years after the end of the warranty."*
Answer 440:	It will be remain as stated in Item 14.10.3 of the Technical Specifications
Question 441:	Item **14.11.1.2** We request that this item be removed from the specification.
Answer 441:	Please see Changes to Tender Dossier
Question 442:	Item **14.11.1.2** We request that this item be removed from the specification. There is no room needed to be mounted. It does not need for montage. There is no wiring. No air conditioning is needed since it is not stationary device. There is no need for X-Ray control room as well as a desk & chair .
Answer 442:	Please see Changes to Tender Dossier
Question 443:	Item **14.11.1.3** We request that this item be removed from the specification. As the Mobile DR X-Ray systems are being generally used in emergency services, for patients in intensive care units, for patients in services and as they are mobile type devices, there is no channel, cabling works in walls and ceiling, lighting of the control room and device room.
Answer 443:	Please see Changes to Tender Dossier
Question 444:	Item **14.11.1.3** We request that this item be removed from the specification. There is no room needed to be mounted. It does not need for montage. There is no wiring. No air conditioning is needed since it is not stationary device. There is no need for X-Ray control room as well as a desk & chair .
Answer 444:	Please see Changes to Tender Dossier
Question 445:	Item **14.11.1.3** We request that this item be removed from the specification.
Answer 4445:	Please see Changes to Tender Dossier
Question 446:	Item **14.11.1.4** We request that this item be removed from the specification. As the Mobile DR X-Ray systems are being generally used in emergency services, for patients in intensive care units, for patients in services and as they are mobile type devices, there is no channel, cabling works in walls and ceiling, lighting of the control room and device room.

Answer 446:	Please see Changes to Tender Dossier
Question 447:	Item **14.11.1.4** We request that this item be removed from the specification. There is no room needed to be mounted. It does not need for montage. There is no wiring. No air conditioning is needed since it is not stationary device. There is no need for X-Ray control room as well as a desk & chair .
Answer 447:	Please see Changes to Tender Dossier
Question 448:	Item **14.11.1.4** We request that this item be removed from the specification.
Answer 448:	Please see Changes to Tender Dossier
Question 449:	Item **14.11.1.5** We request that this item be removed from the specification. Mobile Dr systems that are being used in all departments of hospital, they do not need air conditioners. So, there will be no need a second air conditioner. Also this extra air conditioner will cause to make the offers to be increased.
Answer 449:	Please see Changes to Tender Dossier
Question 450:	Item **14.11.1.5** We request that this item be removed from the specification. There is no room needed to be mounted. It does not need for montage. There is no wiring. No air conditioning is needed since it is not stationary device. There is no need for X-Ray control room as well as a desk & chair .
Answer 450:	Please see Changes to Tender Dossier
Question 451:	Item **14.11.1.5** We request that this item be removed from the specification.
Answer 451:	Please see Changes to Tender Dossier
Question 452:	Item **14.11.1.6** We request that this item be removed from the specification. There is no room needed to be mounted. It does not need for montage. There is no wiring. No air conditioning is needed since it is not stationary device. There is no need for X-Ray control room as well as a desk & chair .
Answer 452:	Please see Changes to Tender Dossier
Question 453:	Item **14.11.1.7** We request that this item be removed from the specification. There is no room needed to be mounted. It does not need for montage. There is no wiring. No air conditioning is needed since it is not stationary device. There is no need for X-Ray control room as well as a desk & chair .
Answer 453:	Please see Changes to Tender Dossier
Question 454:	Item **14.11.3.1:** May the item revised as; **"**Qualified trainings that ensure to be able to use all functions of the system and to **perform first level** intervene to the possible failures shall be given by the Application Specialists for a minimum of 3 (three) days. ~~***These trainings will be repeated up to 3 times for each device if requested during the warranty period.***~~ Application Specialists shall also have the TCESIS Clinical Support Personnel certificate. These documents shall be submitted in the tender file as notarized."
Answer 454:	Please see Changes to Tender Dossier
Question 455:	Item **15.2.5:** May the item added as; *"When needed in the future, the system may be supplemented with a contrast spectral mammography feature, known as CESM, TI-CEM and similar names, which incorporates the uses of a dual energy technique and*

	iodinated contrast agent injection together. This feature should be commercially available on the date of the tender." In case a contrast spectral mammography technique known by the names such as CESM, TI-CEM etc. is desired to be added to the system in the future, this would provide a great benefit in terms of diagnostics especially for the patients having tumor history and dense breasts with its high sensitivity and specificity. For this reason, we request relevant article to be added into the technical specification.
Answer 455:	It is rejected by Evaluation Commitee
Question 456:	Item **15.2.6:** May the item added as; *"The proposed system should be structured to incorporate the state-of-art technological innovations and should be the top model providing the least dose to the patient as developed by the manufacturer company."* Our Senographe Pristina product, which we are going to offer, is the top-of-the-line mammography system included in our portfolio and can be upgraded to the state-of-art technologies. We request relevant article to be amended as proposed in order to get devices to be offered to have proposed features as a requirement of public and institutional benefit.
Answer 456:	It is rejected by Evaluation Commitee
Question 457:	Item **15.3.1:** May the item revised as; "*The device shall include a fully-independent working full mammography unit, digital imaging and assessment system, lead-glass screen and digital archiving system. The device shall comprise of the following units and as well as being separated, these units can also be unified or integrated. All the purchased system components shall conform to each other and work together. The main components have been listed below:* • *Mammography device* • *Gantry* • *Irradiation head* • *Compaction mechanism* • *Flat panel detector* • *High frequency tube current generator* • *Statif* • *Mammography accessories* • *Compression and decompression pedal and gantry colon* • *Face protection* • *Axillar compression plate or an equivalent compression plate* • *Spot compression plate* • *Magnification plate* • *Perforated and/or open compression plates (for 2D biopsy localization)* • *Data collection work station* • *Image assessment work station* • *Radiation-protective equipment* • *User manuals and technical documents* • *Uninterrupted power supply* • ***Tomosynthesis software and, if necessary, hardware (Optional)"***
Answer 457:	Please see Changes to Tender Dossier

Question 458:	Item **15.3.1:** May the item revised as; *"The device shall include a fully-independent working full mammography unit, digital imaging and assessment system, lead-glass screen and digital archiving system.The device shall comprise of the following units and as well as being separated, these units can also be unified or integrated.All the purchased system components shall conform to each other and work together.The main components have been listed below:* • *Mammography device* • *Gantry* • *Irradiation head* • *Compaction mechanism* • *Flat panel detector* • *High frequency tube current generator* • *Statif* • *Mammography accessories* • *Compression and decompression pedal and gantry colon* • *Face protection* • *Axillar compression plate or an equivalent compression plate* • *Spot compression plate* • *Magnification plate* • *Perforated and/or open compression plates (for 2D biopsy localization)* • *Data collection work station* • *Image assessment work station* • *Radiation-protective equipment* • *User manuals and technical documents* • *Uninterrupted power supply* • ***Tomosynthesis software and, if necessary, hardware (Optional)*** • ***Contrast-enhanced mammography (Optional)"***
Answer 458:	Please see Changes to Tender Dossier
Question 459:	Item **15.5.2.8:** May the item revised as; "In order to ensure dose reduction in tube anode, thick and/or dens breasts, ***~~anodes produced from a single material shall have Tungsten,~~ the device should have dual tracks anode materials.*** Anodes produced from two materials shall have "Tungsten and Molibden" or "Rodyum and Molibden" or "Tungsten and Rhenium".
Answer 459:	Please see Changes to Tender Dossier
Question 460:	Item **15.5.4.3:** May the item revised as; *"The number of pixels at the detector matrix shall be at least **2300 X 3000 (twothousand three hundred times twothousand eighthundred)."***
Answer 460:	It will be stated in Item 15.5.4.3 of the Technical Specification
Question 461:	Item **15.5.6.10:** May the item revised as; *"The station shall be used for the purpose of assessing of the acquired digital images, **~~comparing of the devices,~~** post processing and other similar actions."*

	We request relevant article to be amended as proposed considering the image assessment work station function.
Answer 461:	Please see Changes to Tender Dossier
Question 462:	Item **15.5.6.11**. May the item revised as; *"Image assessment work stations shall have the following hardware functions as a minimum:* • *At least dual core 2.40 Ghz central processing unit* • *At least 32 GB memory (RAM)* • *To provide data twinning against hardware faults, a hard disc with RAID disc twinning technology and at least a 500 GB capacity,* • *USB, CD-R and/or DVD-R driver and printer* *At least raid enabled 10Tb image storage capacity on the Workstation"*
Answer 462:	Please see Changes to Tender Dossier
Question 463:	Item **15.5.7.1:** May the item revised as; "*The device shall have a platform conforming to tomosynthesis and it shall be possible as an option, if required, to add a tomosynthesis (3D) software and hardware against a payment. The proposed device will not be accepted with lift-grade systems that require partial or full replacement of the device. It has to be certified with official documents that the mentioned software is available on the date of the bid and for sale in in Turkey and during demonstration stage the mentioned feature shall be shown and practised on the device and the tomosynthesis demo software shall be loaded on the device for at least 6 (six) months. Tomosynthesis software shall have at least one of the following technologic features:* *a. With exposure, the system must be performed as raw data in a total minimum angle of 50 degrees and a minimum number of projections of 25 (twentyfive) and shall have a gridless imaging feature where dosage can be reduced without harming image quality in 2D mammography.* *b. The system shall have a grid in the form of HTC (High Transmission Cellular Grid) cellular honey hive and at the highest resolution mode it shall take at least 15 projections with a minimum exposure of 15 degrees and in the form of raw data.* *c. By using Step & Shoot technology, the system shall be able to take a maximum 9 (nine) projections with exposure as raw data in at least 25 degree angle, and the breast shall be possible to be reviewed in a maximum of 0,5 mm sections with images acquired after reconstruction of the sections acquired during tomosynthesis screening.* ***d. The system shall be able to take tomosynthesis scans with three different angle options; narrow angle scans, normal angle scans and wide angle scans for different type of patients."***
Answer 463:	It will be remain as Item 15.5.7.1 of the Technical Specifications
Question 464:	Item **15.5.7.1:** May the item revised as; Item **15.5.7.1:** May the item revised as; "*The device shall have a platform conforming to tomosynthesis and it shall be possible as an option, if required, to add a tomosynthesis (3D) software and hardware against a payment. The proposed device will not be accepted with lift-grade systems that require partial or full replacement of the device. It has to be certified with official documents that the mentioned software is available on the date of the bid and for sale in in Turkey and during demonstration stage the mentioned feature shall be shown and practised on the device and the tomosynthesis demo software shall be loaded on the device for at least 6 (six) months. Tomosynthesis software shall have at least one of the following technologic features:* *a. With exposure, the system must be performed as raw data in a total minimum angle of 50 degrees and a minimum number of projections of 25 (twentyfive) and*

	shall have a gridless imaging feature where dosage can be reduced without harming image quality in 2D mammography. *b. The system shall have a grid in the form of HTC (High Transmission Cellular Grid) cellular honey hive and at the highest resolution mode it shall take at least 15 projections with a minimum exposure of 15 degrees and in the form of raw data.* *c. By using Step & Shoot technology, the system shall be able to take a maximum 9 (nine) projections with exposure as raw data in at least 25 degree angle, and the breast shall be possible to be reviewed in a maximum of 0,5 mm sections with images acquired after reconstruction of the sections acquired during tomosynthesis screening.* ***d) With continuous scanning technology, the system must be performed as raw data as Wide Scan Angle in minimum angle of 10 degrees and a minimum number of projections of 11 as Narrow Scan Angle in minimum total angle of 36 degree and a minimum number of projections as 19."***
Answer 464:	It will be remain as Item 15.5.7.1 of the Technical Specifications
Question 465:	Item **15.5.7.1:** May the item revised as "*The device shall have a platform conforming to tomosynthesis and it shall be possible as an option, if required, to add a tomosynthesis (3D) software and hardware against a payment. The proposed device will not be accepted with lift-grade systems that require partial or full replacement of the device. It has to be certified with official documents that the mentioned software is available on the date of the bid and for sale in in Turkey and during demonstration stage the mentioned feature shall be shown and practised on the device and the tomosynthesis demo software shall be loaded on the device for at least 6 (six) months. Tomosynthesis software shall have at least one of the following technologic features:* *a. With exposure, the system must be performed as raw data in a total minimum angle of 50 degrees and a minimum number of projections of 25 (twentyfive) and shall have a gridless imaging feature where dosage can be reduced without harming image quality in 2D mammography.* *b. The system shall have a grid in the form of HTC (High Transmission Cellular Grid) cellular honey hive and at the highest resolution mode it shall take at least 15 projections with a minimum exposure of 15 degrees and in the form of raw data.* *c. By using Step & Shoot technology, the system shall be able to take a maximum **11 (eleven)** projections with exposure as raw data in at least 25 degree angle, and the breast shall be possible to be reviewed in a maximum of 0,5 mm sections with images acquired after reconstruction of the sections acquired during tomosynthesis screening."*
Answer 465:	It will be remain as Item 15.5.7.1 of the Technical Specifications
Question 466:	Item **15.5.7.1:** May the item revised as ; ***"Tomosynthesis feature shall be provided with the device.It has to be certified with official documents that the mentioned feature is available on the date of the bid and for sale in in Turkey and during demonstration stage the mentioned feature shall be shown and practised on the device.Tomosynthesis software shall have at least one of the following technologic features:*** ***a) The system should be made with exposure at least 50 degrees of angle as raw data and at least in 25 (twenty-five) projection number, and system should be able to be upgraded to the non-grid shooting feature where dose can be reduced without disrupting image resolution in 2D mammographies.*** ***b) System should have HTC (High Tramsmisson Cellular Grid) cellular honeycomb grid and should be able to receive maximum 15 projections as raw data with maximum 15 degrees of exposure in highest resolution mode.***

	c) System should be able to receive at least 9 (nine) projections as raw data with at least 25 degrees of exposure by using Step&Shoot technology, and breasts should be able to be examined in maximum 0,5mm of cross-sections by means of the images obtained after reconstruction made out of the cross sections obtained during tomosynthesis screening." It would be in the public interest to propose a device that has been in clinical practice for mammographic screening studies and is commonly in use today and that has tomosynthesis technology, which has proven its accuracy and success in detecting microcalcifications and structural distortions and masses.For this reason, we request relevant article to be amended as stated.
Answer 466:	It will be remain as Item 15.5.7.1 of the Technical Specifications
Question 467:	Item **15.5.7.1:** May the item revised as ; "***The device shall have a tomosynthesis feature. Tomosynthesis software shall have at least one of the following technologic features****:* *a. With exposure, the system must be performed as raw data in a total minimum angle of 50 degrees and a minimum number of projections of 25 (twentyfive) and shall have a gridless imaging feature where dosage can be reduced without harming image quality in 2D mammography.* *b. The system shall have a grid in the form of HTC (High Transmission Cellular Grid) cellular honey hive and at the highest resolution mode it shall take **maksimum** 15 projections with a minimum exposure of 15 degrees and in the form of raw data.* ***c.** By using Step & Shoot technology, the system shall be able to take a maximum 9 (nine) projections with exposure as raw data in at least 25 degree angle, and the breast shall be possible to be reviewed in a maximum of 0,5 mm sections with images acquired after reconstruction of the sections acquired during tomosynthesis screening. "*
Answer 467:	Please see Changes to Tender Dossier
Question 468:	Item **15.5.8.3:** May the item revised as ; "***For each mammography system 1 (one)*** split air conditioner that allow the system to work under all conditions shall be provided with the device.
Answer 468:	Please see Changes to Tender Dossier
Question 469:	Item **15.6.1:** May the item revised as; *"The device shall have a minimum warranty of 2 (two) years. Throughout the warranty period, production, installation, material and workmanship faults shall be rectified by the selling company and faulty parts that cannot be repaired will be replaced with new ones. No charges will be asked for maintenance, repair and spare parts throughout the warranty period.* ***(excluding usage errors, environmental conditions related errors)"***
Answer 469:	Please see Changes to Tender Dossier
Question 470:	Item **15.7.1.4**; May the item removed from the technical spesifications?
Answer 470:	It will be remain as stated in Item 15.7.1.4 of the Technical Specifications
Question 471:	Item **15.7.2.3:** May the item added as; ***The device should have FDA, CE and ÜTS documents."***
Answer 471:	Please see Changes to Tender Dossier
Question 472:	Item **15.7.3.1:** May the item revised as; *"Trainings that teach the use of all functions of the system shall be provided by Application Experts for a minimum period of 3 (three) days. These trainings will be given for a total of 3 times throughput the warranty period. Application Managers are required to possess TCESIS Clinical Assistance Personnel certificate. These documents shall be notarized and attached to the tender file."*

	Our company cannot provide technical service and malfunction trainings, and intervening the devices, which are installed and malfunctioned within the warranty period, by unauthorized third parties will exclude the device from the warranty coverage. The training period that is specified by GE for the device should be used within a year. For the avoidance of doubt within this scope, and for the purpose of preventing potential right losses that might be incurred by your Administration in the future; we request the text of the article to be amended as proposed.
Answer 472:	Please see Changes to Tender Dossier
Question 473:	Item **15.7.3.1:** May the item revised as; *"Trainings that teach the use of all functions of the system and first intervention against any possible breakdowns shall be provided by Application Experts for a minimum period of 3 (three) days. Application Managers are required to possess TCESIS Clinical Assistance Personnel certificate. These documents shall be notarized and attached to the tender file."*
Answer 473:	Please see Changes to Tender Dossier
Question 474:	Item **16.2.5**; May the item revised as "*Sodium, ultrafiltration, heparin, dialysate, flow rate, bicarbonate and temperature profiles shall be on the device."?*
Answer 474:	The item will remain same as the technical spesifications.
Question 475:	Item **16.2.14**; May the item revised as "*The dialysate temperature of the device shall be adjustable to a maximum of 0,5 (zero comma five) ° C in the range of 35-39 (thirty-five hyphen to thirty-nine) ° C. The device should be capable of both acetic acid and bicarbonate dialysis and should be able to pass from acetate dialysis to bicarbonate dialysis without any addition"?*
Answer 475:	The item will remain same as the technical spesifications.
Question 476:	Item **16.2.28**; May the item revised as "*The device should have an endotoxin filter. The endotoxin filter shall be pluggable into the inlet of the device. Endotoxin filter must have at least 150 treatment sessions"?*
Answer 476:	The item will remain same as the technical spesifications.
Question 477:	Item **16.2.29**; Since the additional blood pressure monitor will increase the device cost, the total tender offer will be higher. For this reason, we request that related article being removed from the technical specification requirement.
Answer 477:	The item will remain in the technical spesifications. However it is recommended to refer to the Corrigendum no.3 to the tender dossier for the revised item.
Question 478:	May the new item inserted to the Lot-16 as "*The screen of the device must be touch sensitive and all parameters must be set with symbols on the screen. The devices must be manufactured in accordance with today's conditions and technology."?*
Answer 478:	No such item is inserted to the technical spesifications.
Question 479:	Item 17, Original Clause: LOT 17 – 15" PATIENT MONITOR, please Amend Clause: LOT 17 – 12.1" PATIENT MONITOR
Answer 479:	The item will remain same as the technical spesifications.
Question 480:	Item **17.2.2**; May the item revised as "*It should be possible to connect all bed-side monitors to the central system. Bidding companies should document this in the tender dossier with a commitment letter."?*
Answer 480:	The item will remain same as the technical spesifications.

Question 481:	Item **17.2.2**; Our patient monitors are capable of transferring patient data to a HCIM system. However, instead of collecting data from each monitor it is much easier to manage data transfer once it is gathered at the central station. Therefore, in order to provide a better solution for our customers we are requesting this modification. May the item revised as *"All patient monitors shall allow to data transfer to HCIM (Hospital Clinical Information Management Systems) communication protocols such as HL7 or Web Service etc. directly or through a central monitoring station which is to be bought by the relevant institiuons. Tenderers shall document this in the tender document with letter of undertaking.."?*
Answer 481:	The item will remain same as the technical spesifications.
Question 482:	Item **17.2.5**; May the item revised as "*Patient entry on the monitor shall be possible with electronic keyboard. Patient's name, surname, protocol or patient ID or file number, age or date of birth, height, weight, etc. shall be able to be entered. There shall be a program for creating calculation and titration table in the monitor."?*
Answer 482:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 483:	Item **17.2.5**; May the item revised as "*Patient monitors shall be with modular feature, which can be used in neonatal, pediatric and adult intensive care environment. 17 inches will be preferred if price don't exceed 2 % more of the lowest 15 inches offer."?*
Answer 483:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 484:	Item **17.2.7**; As this feature points a special brand. It has been requested in order to ensure competition between equivalent devices. May the item revised as "*The standard parameter module to be provided with the monitor shall have the ability to measure the ECG, SPO2, IBP parameters for at least one hour, even if it is disconnected from the device owing to its internal battery. The display, processor, or module slot of the monitor shall be in unified or separate structure."?*
Answer 484:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 485:	Item **17.2.7**; The Ministry of Health with the 2016/487172 tender registration number has given five companies approval for the purchase of a 15-inch intensive care monitor. Therefore, in order to increase the level of competition this modification is requested. May the item revised as "*Monitor shall be able to measure heart rate from ECG, SpO2 and IBP parameters."?*
Answer 485:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 486:	Item **17.2.7**; May the item revised as "*The standard parameter module to be provided with the monitor shall have the ability to measure the ECG, SPO 2, IBP parameters for at least one hour, even if it is disconnected from the device owing to its internal battery. The display, processor, or module slot of the monitor shall be in unified or separate structure. In order to provide ease of use in the intensive care environment, the module slot shall be able to be angled both towards front and side of the monitor or the module slots should be on the main unit to support at least 4 single or multiparameter modules and as optional additional slot racks can be mounted or if it is seperate, the module slot or pod unit of the parameter modules shall be able to be positioned seperately from the monitor screen."?*

Answer 486:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 487:	Item **17.2.9**; At least 2 channels of IBP feature have been included in the purchase of the Ministry of Health 15-inch intensive care monitor with the 2016/487172 tender registration number, and the participation rate in the tender has increased. If at least 2 channels of IBP measurement are deemed inadequate for clinical necessity, the separate output of the three-channel IBP in the device modules constitutes a fair competition, otherwise firms offering separate modules for each invasive against the two output devices of a cable will become uncompetitive There are systems that provide separate output for all of the top-level monitor companies; an error that may occur in the multiplexing cable on this line will cause the two invasives (such as CVP, ART) to disappear at the same time on the main monitor screen. In case of a separate module output, a fault in the cable will cause only one invasive (such as CVP) to disappear on the monitor screen. We provide you with evaluations by requesting that three channel IBP measurements be provided from separate outputs to ensure that patient safety is not compromised and that controlled measurements can proceed safely. In the present tender specifications Cardiac Output measurement is performed with the right heart thermodilution method, whereas the transpulmonary thermodilution method is used in the "PICCO or CCO" measurement. In PICCO or CCO method pulse contour analysis in the blood pressure waveform is performed continuously so that the continuous cardiac output measurement is provided. The Cardiac Output feature specified in the technical specification does not provide a continuous measurement, but PICCO or CCO feature is sought as preferred in intensive care. Therefore, in order to offer a better solution we request this modification. May the item revised as *"The monitor shall be able to display all of the physiological parameters listed below.* *I. ECG / heart rate.* *II. ST segment analysis.* *III. Respiratory rate.* *IV. EtCO2* *V. SpO2* *VI. NIBP (Non-invasive blood pressure).* *VII. At least 3 channels IBP (invasive blood pressure).(There shall be independent 3 IBP Entries) or At least 2 channles IBP* *VIII. Two channels body heat.* *IX. Continuous Cardiac output: CCO ve PICCO"?*
Answer 487:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 488:	Item **17.2.9**; May the item revised as "*The monitor should be able to show all of the following physiological parameters at the same time.* *I. EKG/Pulse rate* *II. ST Segment analysis* *III. Respiration rate* *IV. etCO2* *V. SpO2* *VI. NIBP (Non-invasive Blood Pressure)*

	VII. Minimum 3 channels IBP (invasive blood pressure) *VIII. Two channels body temperature* *IX. Cardiac output"* *X. BFA (Brain Function Assessment)"?*
Answer 488:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 489:	Item **17.2.10**; May the item revised as "*The monitor shall have amedical grade, TFT color LCD screen at least 12.1" inches and a resolution of 800x600. The display of the monitor shall be touch-sensitive and all adjustments shall be made easily and quickly by the touch display and touch membrane keys or the rotary key."?*
Answer 489:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 490:	Item **17.2.10**; May the item revised as "*The monitor shall have a modular, medical grade, TFT color LCD screen at least 15 inches and a resolution of 1280x1024. The display of the monitor shall be touch-sensitive and all adjustments shall be made easily and quickly by the touch display and touch membrane keys or the rotary key."?*
Answer 490:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 491:	Item **17.2.10**; May the item revised as "*The monitor shall have a modular, medical grade, TFT color LCD screen at least 15 inches and a resolution of 1024x768. The display of the monitor shall be touch-sensitive and all adjustments shall be made easily and quickly by the touch display* ***or*** *touch membrane keys or the rotary key"?*
Answer 491:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 492:	Item **17.2.13**; Module inputs and software are standard on the Philips brand Mx550, but additional measurements such as module, cable, catheter, etc. are needed to make these measurements. The ETCO2 measurement is standard on the accessory part of the kit, so the module is provided as standard for the ETCO2 measurement, but the required connection fittings for the CO measurement are not required. The presence of the relevant module of the measurement, such as the one we are requesting, will eliminate the standard or optional presence of the inspection phase. May the item revised as *"On all devices to be offered EtCO2 software and modules shall be standard. Besides, CCO (Continuous Cardiac Outout) or PICCO software shall be standart and measurements shall be possible if the required cable,accessory kits and modules are received."?*
Answer 492:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 493:	Item **17.2.14**; May the item revised as "*The following measurements shall be added to all devices when required. Trends of these measurements shall be tracked on the monitor screen.* *i. PICCO or continuous cardiac output (CCO) or CO(Cardiac Output)* *ii. EEG (SEF, CSA or DSA or PPF or MDF voltage or at least 2 channels where power spectra can be monitored)or CSM(Cerebral State Monitoring).* *iii. Spirometry or Flow / Paw or ETCO2 or respiratory mechanics shall be monitored as a loop."?*

Answer 493:	The item will remain same as the technical spesifications.
Question 494:	Item **17.2.14**; This feature points a special brand. In order to ensure competition between equivalent devices, may the item revised as "*The following measurements shall be added to all devices when required. Trends of these measurements shall be tracked on the monitor screen.* *i. PICCO or continuous cardiac output (CCO)* *ii. EEG (SEF, CSA or DSA or PPF or MDF voltage or at least 2 channels where power spectra can be monitored) or 2 channels EEG measurement from BIS module.* *iii. III. Spirometry or Flow / Paw or respiratory mechanics shall be monitored as a loop."?*
Answer 494:	The item will remain same as the technical spesifications.
Question 495:	Item **17.2.14**; May the item revised as "*The following measurements shall be added to all devices when required. Trends of these measurements shall be tracked on the monitor screen.* *i. PICCO II continuous cardiac output (CCO)* *ii. Minimum 4 channels EEG (SEF, CSA or DSA or PPF or MDF voltage or at least 4 channels where power spectra can be monitored)* *iii. Spirometry or Flow / Paw or respiratory mechanics shall be monitored as a loop."?*
Answer 495:	The item will remain same as the technical spesifications.
Question 496:	Item 17.2.14; May the item removed from the technical spesifications?
Answer 496:	The item will remain same as the technical spesifications.
Question 497:	Item **17.2.15**; May the item revised as "*It shall be possible to monitor at least 8 (eight) channel waveforms on the monitor screen. Waveforms shall be in different colors and it shall allow the user to change the colors."?*
Answer 497:	The item will remain same as the technical spesifications.
Question 498:	Item **17.2.16**; May the item revised as "*At least, alarm information which has been occured in the last 24 hours or ST measurements and numerical and graphical trends shall be able to be stored and analyzed retrospectively on the device or In addition, the hemodynamic parameter module with at least 1-hour battery to be given as standard shall have trend capability."?*
Answer 498:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 499:	Item **17.2.16**; May the item revised as "*At least, alarm information which has been occured in the last 120 hours or ST measurements and numerical and graphical trends shall be able to be stored and analyzed retrospectively on the device. In addition, the hemodynamic parameter module with at least 1-hour battery to be given as standard shall have trend capability and have a monitoring display inbuilt on the module to use during transport"?*
Answer 499:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 500:	Item 17.2.16, "At least, alarm information which has been occured in the last 24 hours or ST measurements and numerical and graphical trends shall be able to be stored and analyzed retrospectively on the device. In addition, the hemodynamic parameter

	module with at least 1-hour battery to be given as standard shall have trend capability." Suggested clause (version 1)*Removal of "**with at least 1-hour battery**" is required* Suggested clause (version 2) *" At least, alarm information which has been occured in the last 24 hours or ST measurements and numerical and graphical trends shall be able to be stored and analyzed retrospectively on the device."*
Answer 500:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 501:	Item **17.2.18**; May the item revised as "*It shall be possible to connect the devices to the central monitor via wired or wireless optionally. When a centralized monitor connection is made, it shall be possible to access the real-time waveforms, graphical or numerical trend information or arrhythmia information or full disclosure information of patients connected by an optional software and server add-on via one of the browsers or through the original program of the company. The access software on the Internet shall be the monitor manufacturer's own original software and companies shall certify this feature with UBB registration or catalog confirmation or Central System software must be provided."?*
Answer 501:	The item will remain same as the technical spesifications.
Question 502:	Item **17.2.20**; May the item revised as "*On the main display of the monitor, there shall be at least 30- minute minitrends selectable range or advanced trend with OxyCRG that can be seen continuously along with the measured parameters. In addition, it shall have feature of cardiorespirogram to follow-up newborn patient or a similar special trend screen for newborn and shall be followed."?*
Answer 502:	The item will remain same as the technical spesifications.
Question 503:	Item **17.2.21**; May the item removed from the technical spesifications?
Answer 503:	The item will remain in the technical spesifications.
Question 504:	Item **17.2.23**; May the item revised as "*At least two of the following items (from the original software and hardware specifications of the clinical protocols) shall be included as standard in the offered devices.* *i. DINAMAP NIBP* *ii. EK-Pro arrhythmia algorithm* *iii. INIBP* *iv. SUNTECH NIBP* *v. ECI arrhythmia analysis.* *vi. ST Analysis* *vii. Protocol Watch* *viii. EASI and STAR Algorithm* *ix. CNAP S mart Pod* *x. TruST.* *xi. CM (Charting Mode)* *xii. Multiview Arrhythmia."?*
Answer 504:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.

Question 505:	Item **17.2.23**; The XX brand XX is fully equipped with a touchscreen and can be assigned to the desired measurement keys (NIBP start / stop, reset etc.) on the monitor screen for quick use. We do not have old technology membrane key or rotary switch system. In order to be able to participate this tender with our XX monitor we request this modification. May the item revised as "*Proposed devices should have at least one of the following (from clinical protocols from original software and hardware features) as standard.* *I. DINAMAP NIBP* *II. Ek-Pro Arrhythmia Analysis* *III. iNIBP* *IV. ECI Arrhythmia Analysis* *V. Protokol Watch* *VI. EASI and STAR Algoritm* *VII. CNAP Smart Pod* *VIII. TruST* *IX. CM (Charting Mode)* *X. Multiview Arrhythmia.* *XI. ANSI/AAMI SP-10/2002.?*
Answer 505:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 506:	Item **17.2.23**; Our claim is that the company's technological features are integrated as described in items a, b, c, and d, which means that the segment of the device will be preserved and competition with technological features of at least four firms will be ensured. The "CM and Multiviev Arrhythrmia" feature is a technological feature of the Spacelabs brand and it is not meaningful to include it in this item as it is Spacelabs is manufactured in USA and there is a possibility that these features are copied by low segment companies and therefore it may cause an unfair competition. May the item revised as "*At least one of the following technological specifications which is stated in a,b,c,d items (from the original software and hardware specifications of the clinical protocols) shall be included as standard in the offered devices.* *a.DINAMAP NIBP ve Ek-Pro Aritmi Analizi.* *b.iNIBP ve ECl aritmi analizi.* *c.Sequence modu, Horizon Trend, EASI and STAR Algoritm* *d.CNAP Smart Pod and TruST."?*
Answer 506:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 507:	Item **17.2.23**; As the requirement that country of origin of patient monitors subject to this tender shoud be Eurpoean Union (EU) member countries, above-mentioned specifications in which the products of the EU origin have, defines clinical algorithms that can be regarded as equivalent to each other. For this reason we request the specification to be altered as specified. May the item revised as "*At least two of the following items (from the original software and hardware specifications of the clinical protocols) shall be included as standard in the offered devices.* *i. DINAMAP NIBP* *ii. EK-Pro arrhythmia algorithm*

	iii. Protocol Watch *iv. EASI and STAR Algorithm* *v. CNAP Smart Pod* *vi. TruST.”?*
Answer 507:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 508:	Item **17.2.23**; May the item revised as “*Proposed devices should have at least one of the following (from clinical protocols from original software and hardware features) as standard.* *I. DINAMAP NIBP* *II. Ek-Pro Arrhythmia Analysis* *III. iNIBP* *IV. ECI Arrhythmia Analysis* *V. Protokol Watch* *VI. EASI and STAR Algoritm* *VII. CNAP Smart Pod* *VIII. TruST* *IX. CM (Charting Mode)* *X. Multiview Arrhythmia.* *XI. ANSI/AAMI SP-10/2002”?*
Answer 508:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 509:	Item **17.2.25**; May the item revised as “*The oxygen saturation measurement of the monitor shall have the following features;* *i. The SpO2 measurement feature shall be able to measure SpO2 in patients with perfusion at a rate of at least 0.02 - 20%, in patients with on move and low perfusion. The perfusion index parameter on the monitor screen shall be displayed numerically in the 0.02-20% range.* *ii. Adult SpO2 probes shall be in washable / silicone structure.* *iii. The plethysmograph curve shall be seen on the main screen of the device* *iv. The SpO2 measurement shall made between 1% and 100% with the infrared light absorption method.* *v. The monitor shall have ability to measure pulse rate from finger, and have ability to measure the heart rate at least **20 to 300** beats / min.* *The upper and lower alarm limits shall be set, and it shall give audible and visual alarms when the limits are exceeded and the probe comes out.”?*
Answer 509:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 510:	Item **17.2.25**; May the item revised as “*The oxygen saturation measurement of the monitor shall have the following features* *i. The SpO2 measurement feature should be able to measure in patients with motion or low perfusion.…”?*

Answer 510:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 511:	General Spesifications Item **17.2.25**; May the item revised as "… *i. The SpO2 measurement feature shall be able to measure SpO2 in patients with perfusion at a rate of at least 0.02 - 20%, in patients with on move and low perfusion.The perfusion index parameter on the monitor screen shall be displayed numerically in the 0.02-20% range…."?*
Answer 511:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 512:	Item **17.2.25**; May the item revised as... *"i. The SpO2 measurement feature shall be able to measure SpO2 in patients with perfusion at a rate of at least 0.02 - 20%, in patients with on move and low perfusion.**The plethysmograph waveform shall be displayed on the monitor screen.According to patient clinical status, there shall be at least two different (APOD or Normal or Maximum) sensitivity mode on monitor.*** *Adult SpO2 probes shall be in washable **or** silicone **or clip** structure…."?*
Answer 512:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 513:	Item **17.2.25**; PVI is a strong indicator of the fluid responsiveness of the patient in ICU environment. It is very crucial for patient in ICU. Therefore, including this feature will bring advantages. Also, PVI measurement will be available with the standard accessories.May the item revised as "… *i. The SpO2 measurement feature shall be able to measure SpO2 in patients with perfusion at a rate of at least 0.02 - 20%, in patients with on move and low perfusion. The perfusion index parameter on the monitor screen shall be displayed numerically in the 0.02-20% range. All the devices shall be able to measure dynamic pleth variability index which ease assess fluid responsiveness with standard adult SpO2 accessories or companies which are not able to measure this parameters shall provide additional hardware with each patient monitor and provide this measurement externally…."?*
Answer 513:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 514:	Item **17.2.25**; May the item revised as "… *ii. Adult SpO2 probes shall be in washable **or** silicone **or clip** structure…."?*
Answer 514:	The item will remain same as the technical spesifications.
Question 515:	Item **17.2.26**; May the item revised as "… *ii. Measured temperatures shall be labeled as T1-T2...."?*
Answer 515:	The item will remain same as the technical spesifications.
Question 516:	Item **17.2.27**; May the item revised as "*The monitor respiration rate shall be as follows;* *i. The monitor shall be able to measure the respiratory rate by impedance method and / or direct respiration.* *ii. Measurement range shall be between 0 - 200 breaths / minute.*

	In case of apnea the monitor shall give an alarm. The Apnea alarm shall be set to a minimum of 10 s, 15 s, 20 s, 25 s, 30 s, 35 s, 40 seconds, or the minimum respiratory rate per minute shall be set by the user."?
Answer 516:	The item will remain same as the technical spesifications.
Question 517:	Item **17.2.29**; May the item revised as "*The invasive blood pressure (IBP) measurement features of the monitor shall be as follows;* *ii. 2 (two) channel IBP shall be able to be measured on the device. With measurements made from these channels ART, PA, CVP, RAP, LAP, ICP pressures shall be able to be monitored. Pressure labels shall be user-replaceable…."?*
Answer 517:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 518:	Item **17.2.31**; May the item revised as "*The measurement features of the monitor's EEG or CSM shall be as follows;* *i. The mounting diagram shall be able to be monitored from the monitor display or module.* *ii. EEG or CSM measurements shall be made on at least 2 channels or 2 channels EEG measurement from BIS module."?*
Answer 518:	The item will remain same as the technical spesifications.
Question 519:	Item **17.2.32**; May the item removed from the technical spesifications?
Answer 519:	The item will remain same as the technical spesifications.
Question 520:	Item **17.2.32**; May the item revised as "*The measurement features of the monitor's cardiac output shall be as follows;* *i. The measurement range shall be at least 0.1 to 20 lt / min.* *ii. The monitor screen shall show the thermodilution curve, mean cardiac output value, cardiac index and blood temperature.* *iii. At least 6 samples shall be displayed on the screen."?*
Answer 520:	The item will remain same as the technical spesifications.
Question 521:	Item **17.2.33**; May the item revised as "*…Original SpO2 finger probe, reusable, adult, clip or silicone….2 pcs…"?*
Answer 521:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 522:	Item **17.2.33**; ETCO2 measurement is done by in two different ways; Sidestream or Mainstream. Especially in intubated patients due to water accumulation problems, sidestream measurements are not long-term and deviations are observed during long-term measurements and sidestream method is not preferred for this reason. As XX, we can offer mainstream or sidestream options according to the needs of the patients. Since, XX firm can only measure by the sidestream method, the accessories requested will provide advantages to XX. Looking at the accessory demanded in the specification, 50 pieces are requested from the disposible materials for the side stream method and 15 pieces are requested from the water trap parts. However, only the reusable option is offered for the mainstream companies and 5 pieces are requested from the adapter and also two sensor cables are requested for each device. In this case, if we are a participant in the tender, we will have to provide sidestream technology similar to our competitors because of the accessory imbalance between sidestream and

	mainstream technologies. In the event of a balanced accessory request, we can offer a measurement module with the Mainstream method, which Institutions prefer and use more frequently, and clinicians will have ETCO2 measurement without water spillage and continuous deviations. Otherwise, all the companies will offer sidestream technology which will result in offering not preferred technology to the hospitals. Approximate cost has been determined with reference to procurement number 2016/487172 of the Ministry of Health. The accessories which are requested in the condition of 2 pieces are affecting all firms as cost. If we think that the devices will be distributed in large intensive adult intensive care units, pediatric cuffs that will never be used will be given 2 extra units per device. Also according to the specification, 11260 newborn sensors, 2252 pediatric sensors, 2252 adult sensors and 2252 intermediate cables should be supplied. When we look at the distribution chart of the monitors to be taken, it is seen that the usage areas are mostly adult intensive care units. For this reason, we request to reduce the number of 2 pediatric SPO2 finger probes required by 1 unit, 2 units of 10 disposable sensors required, and 2 adult sensors to spare. For this reason, as the previous Ministry of Health purchase tender, we request the keep the number of accessories similar in order not to violate the price policy due tothis accessory surplus. If the above mentioned changes are made, we confirm that we will be participating in the tender with the XX device from Germany. May the item revised as *"The following accessories shall be provided with each device to be received;* *- Original ECG patch coord …**1 pcs.*** *- Original 5 or 6-lead ECG cable (including interconnection cable or pod if necessary)….. **1 pcs**.* *- Original SpO2 patch coord …..…**1 pcs**.* *- Original SpO2 finger probe, reusable, adult, clip **or** silicone…. 2 pcs.* *- Original SpO2 finger probe, reusable, pediatric, clip **or silicone**…. **1pcs*** *- Original SpO2 finger probe, disposable, newborn ….**2 pcs.*** *- Original NIBP hose, reusable ….**1 pcs.*** *- Original NIBP sleeve, reusable, in 3 different sizes (newborn **or infant**, pediatric, adult, obese)…**1 for each*** *- Original Skin temperature probes …**1 pcs.*** *- Original esophageal temperature probes …**1 pcs.*** *- Wall or pendant assembly pedestals ….**1 pcs.*** *- Required original accessories according to EtCO2 measurement method;* *a. If it is Mainstream or reasuble, airway adapter ….**1 pcs.*** *b. If it is Sidestream, sampling line … .50 pcs.* *c. If it is Sidestream, water traps ….15 pcs.* ***1 (one)** Mainstream measurement sensors (cables) shall be provided along with each devices according to the EtCO2 measurement method"?*
Answer 522:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.

Question 523:	Item 18.2.4.8, "Body and backrest of the chair shall be made completely of cast aluminium or cast steel or corrosion-resistant metal and shall contain absolutely no wood." *Is it possible that only the backrest of the chairshall be made completely of cast aluminum or cast steel or of corrosion resistant metal and shall contain absolutely no wood?*
Answer 523:	Please see the Technical Specification
Question 524:	Item 18.2.4.10; Unit combination shall be painted with preventive electrostatic oven-drying paint against corrosion. Instead of "electrostatic oven-drying paint", "electrostatic **or acrylic** oven-drying paint" is requested.
Answer 524:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 525:	Item 18.2.5.7, "It shall be possible to bring the chair back to its original position with the click of a single button." *Did you mean zero position?*
Answer 525:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 526:	Item 18.2.7.1, Spittoon bowl shall be produced from ceramic, porcelain, enamel or opal glass and easy to remove and wipe. *Please change this item as following;* *"Spittoon bowl shall be produced from ceramic, porcelain, enamel or opal glass for easy to movable and 18.2.8.2wipe."*
Answer 526:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 527:	Item 18.2.7.1: Spittoon bowl shall be produced from ceramic, porcelain, enamel or opal glass and easy to remove and wipe. *Is it possible that Spittoon bowl made from ceramic, porcelain, enamel or opal glass will be easy to erase?*
Answer 527:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 528:	Item 18.2.7.5 The cup-holder and spittoon washing pipes on the spittoon shall be removable for cleaning purposes. Suggested Clause, *"The cup-holder and spittoon washing pipes on the spittoon shall be easily accessible for cleaning purposes"*
Answer 528:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 529:	18.2.7.6 It shall move horizontally with a capacity to turn at least 120 degrees around its axis. Suggested Clause, *"It shall move horizontally and It shall take spitting position with one touch for patient's comfort and hygiene."*

Answer 529:	Please see the technical spesification
Question 530:	Item 18.2.9.7, "Front part of the reflector shall have a transparent, removable and wipeable protector. Suggested clause "*Front part of the reflector shall have a transparent and wipeable protector*"
Answer 530:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 531:	For item 18.2.9.10, "Chair programs; shall be possible to be commanded from 3 different points, namely tablet main panel, foot pedal and assistant command panel." Please change this item as following; *"Chair programs; shall be possible to be commanded from 2 different points, namely tablet main panel and assistant command panel."*
Answer 531:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 532:	For item 18.2.9.10, "Chair programs; shall be possible to be commanded from 3 different points, namely tablet main panel, foot pedal and assistant command panel." Please change this item as following; *"Chair programs; shall be possible to be commanded from at least 2 different points, namely tablet main panel and assistant command panel or foot pedal."*
Answer 532:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 533:	Item 18.3.11, "The type of patient to be shot in the control pocket should be selectable as fat, thin and medium; The area to be shot on the election shall be selected as an incisor, premolar and molar" Instead of "...fat, thin and medium...", "...fat, thin **or** medium..." is requested.
Answer 533:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 534:	Item 18.3.13, The x-ray time to be given in the control box shall be determined. The exposure time shall be in seconds, the minimum time is 0.02s, and the maximum time is 3,2s. Suggested clause, "*The x-ray time to be given in the check box will be determined. The exposure time is in seconds, minimum time is 0.02 seconds, maximum time is 2 seconds."*
Answer 534:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 535:	**I**tem 18.3.13**,** The x-ray time to be given in the control box shall be determined. The exposure time shall be in seconds, the minimum time is 0.02s, and the maximum time is 3,2s. Suggested clause, "*The x-ray time to be given in the control box shall be determined. The exposure time is in seconds, minimum time is 0.06 seconds, maximum time is 2 seconds."*
Answer 535:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.

Question 536:	Item 18.3.18, “The device shall have a thermoswitch system that prevents possible radiofrequency leakage from timing errors” Suggested Clause, *“The device shall have a automatically interrupt system that prevents possible radiofrequency leakage from timing errors”*
Answer 536:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 537:	Item 18.3.25, The device shall have at least 100 kHz high frequency generator. *Item 18.3.20 and 18.3.21 show that machine have AC frequency however Item 18.3.25 show DC frequency, it is not possible both AC and DC frequency. Therefore, could you substract this item?*
Answer 537:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
Question 538:	Item 18.3.25, The device shall have at least 100 kHz high frequency generator. Suggested clause, *“ The device shall have at least 50-60 Hz high frequency generator”*
Answer 538:	It is recommended to refer to the Corrigendum No.3 to the tender dossier for the revised item.
ANNEX IV: BUDGET BREAKDOWN	
Question 539:	Regarding the Annex- IV Budget Breakdown form there is a section specified just for Educational training. Do we need to show values for that section or can we just leave it blank?
Answer 539:	You are expected to tender both for the device itself and the training in the Annex-IV Budget Breakdown.