

### Clarifications No: 1 to the Tender Dossier

**Contract Title:** Supply of Electric Buses and Peripheral Equipment

**Publication Reference:** EuropeAid/140591/IH/SUP/TR

**Location:** Turkey

Further to the requests received from the tenderers, the following clarifications are provided:

Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
1.	Contract Notice	Article 15	-
Question/Clarification Request	Article 15 of the contract notification wants the tasks to be completed in 150 days. Did you mean the delivery time of the vehicles is 150 days?		
Answer	Please note that Article 15 of the Contract Notice is as follows: “The period of implementation of the tasks is <b>210 calendar days</b> from the commencement date of the contract”. It defines the period of implementation of the tasks as “ <b>210 calendar days</b> ” not 150 days. This means that the electric buses and the electric charging station shall be supplied, delivered, installed, commissioned, tested, inspected and necessary training have been completed before the end of the period of implementation of tasks i.e. <b>210 calendar days</b> from the commencement date of the contract.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
2.	Contract Notice / TENDER FORM FOR A SUPPLY CONTRACT	Article 16 / 3 ECONOMIC AND FINANCIAL CAPACITY	-
Question/Clarification Request	Article 16/1 of the contract notification wants equivalent information. The average annual turnover of the tenderer must exceed EUR 500,000.00.		

	Does the information which request have a document name? (commonly named)		
Answer	<p>Please note that Article 16 of the Contract Notice is as follows:</p> <p>“ ... the average annual turnover of the tenderer must exceed <b>1 250 000 EUR</b>. ...”</p> <p>It requires the average annual turnover of the tenderer to be above <b>1 250 000 EUR</b> not 500 000 EUR.</p> <p>Please note that annual turnover of the tenderer for each required accounting year can be verified by official documents such as tax return, income statement etc. for the same accounting years in question.</p>		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
3.	Contract Notice / TENDER FORM FOR A SUPPLY CONTRACT	Article 16 / 3 ECONOMIC AND FINANCIAL CAPACITY	1 / -
Question/Clarification Request	<p>Article 16/1 of the contract notification wants equivalent information. The average annual turnover of the tenderer must exceed EUR 500,000.00.</p> <p>Is it enough for the total turnover to exceed this amount? Did you mean income from procurement? (500.000€)</p>		
Answer	<p>Please note that Article 16-1 of the Contract Notice is as follows:</p> <p>“ ... the average annual turnover of the tenderer must exceed <b>1 250 000 EUR</b>. ...”</p> <p>It requires the average annual turnover of the tenderer to be above <b>1 250 000 EUR</b> not 500 000 EUR.</p> <p>As it is mentioned in the “Section 3 ECONOMIC AND FINANCIAL CAPACITY” of the “TENDER FORM FOR A SUPPLY CONTRACT”, the gross inflow of economic benefits (cash, receivables, other assets) arising from the ordinary operating activities of the enterprise (such as sales of goods, sales of services, interest, royalties, and dividends) during the year are to be included in the calculation of the annual turnover. Please also see Answer 2.</p>		

Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
4.	Contract Notice / TENDER FORM FOR A SUPPLY CONTRACT	Article 16 / 6 EXPERINCE	3 / -
<b>Question/Clarification Request</b>	<p>We are a subsidiary of a company which also has another subsidiary. This another subsidiary is the global bus company with bus manufacturing facilities across Europe and has bus sales and services organizations throughout the world. We are also the authorized distributor of buses produced by this other subsidiary company. Due to the manufacturing strategy of the company of which we are a subsidiary of, the e-drive buses are produced in the plant of this other subsidiary. The bidder in the tender will be us as the authorized representative of this other subsidiary.</p> <p>For the conditions of participation specified in “technical capacity of tenderer” (Main Dossier &amp; Related Article: Supply Contract Notice – Selection and award Criteria – 16. Selection Criteria – 3) Technical capacity of tenderer) are we supposed to fill in the form with the information of this other subsidiary as the manufacturer of the buses which will be delivered under the scope of the tender?</p>		
<b>Answer</b>	<p>Please note that according to the Article 16 of the Contract Notice:</p> <p>“ ...</p> <p>Capacity-providing entities</p> <p>An economic operator may, where appropriate and for a particular contract, rely on the capacities of other entities, regardless of the legal nature of the links which it has with them. If the tenderer relies on other entities it must prove to the contracting authority that it will have at its disposal the resources necessary for performance of the contract by producing a commitment on the part of those entities to place those resources at its disposal. Such entities, for instance the parent company of the economic operator, must respect the same rules of eligibility and notably that of nationality, as the economic operator relying on them and must comply with the selection criteria for which the economic operator relies on them. Furthermore, the data for this third entity for the relevant selection criterion should be included in the tender in a separate document. Proof of the capacity will also have to be provided when requested by the contracting authority.</p> <p>With regard to technical and professional criteria, a tenderer may only rely on the capacities of other entities where the latter will perform the tasks for which these capacities are required.</p> <p>With regard to economic and financial criteria, the entities upon whose capacity the tenderer relies, become jointly and severally liable for the performance of the contract.</p> <p>...”</p> <p>Therefore if the tenderer will rely on the capacity of other legal entities regardless of the legal nature of the links which it has with them, it</p>		

	must submit its offer in line with the above article of the contract notice i.e. it must prove to the contracting authority that it will have at its disposal the resources necessary for performance of the contract by producing a commitment on the part of those entities to place those resources at its disposal; the data for this third entity for the relevant selection criterion should be included in the tender in a separate document. In addition, in case the tenderer is relying on the technical and professional capacity of other legal entity, this legal entity will perform the tasks for which these capacities are required.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
5.	Contract Notice	Article 16	3
Question/Clarification Request	We request the amendment of the article to increase the number of participants and so to ensure the expected competition as follows: the tenderer has delivered supplies under at least 1 contract with a budget of at least 950.000 EUR (proportion carried out by the candidate) in the field of alternative fuels (CNG, Electricity etc.), which was implemented during the following period: 5(five) years from the submission deadline (the start and end/completion dates of the references should be specified as day/month/year).		
Answer	Please note that the selection criteria has been prepared in line with the needs of the beneficiary which are also proportionate to the objective and scale of the tender. Therefore no changes will be made for this article.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
6.	Contract Notice / TENDER FORM FOR A SUPPLY CONTRACT	Article 16 / 6 EXPERINCE	3 / -
Question/Clarification Request	We are a subsidiary of a company which also has another subsidiary. This another subsidiary is the global bus company with bus manufacturing facilities across Europe and has bus sales and services organizations throughout the world. We are also the authorized distributor of buses produced by this other subsidiary company. Due to the manufacturing strategy of the company of which we are a subsidiary of, the e-drive buses are produced in the plant of this other subsidiary. The bidder in the tender will be us as the authorized representative of this other subsidiary.  Is it possible to use experiences of this other subsidiary as the conditions of participation specified in “the major relevant supplies experiences”? (Main Dossier & Related Article: D. Tender Form a Supply Contract – 6.Experiences)		

Answer	Please see Answer 4.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
7.	Contract Notice / INSTRUCTIONS TO TENDERERS	Articles 19 and 20 / Articles 2, 10 and 19	-
Question/Clarification Request	We request information from you for the future of the tender due to the epidemic problem under our country's influence.		
Answer	Please refer to the Corrigendum No: 1 to the Contract Notice and Changes No: 1 to the Tender Dossier which have postponed tender submission deadline for 6 weeks.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
8.	INSTRUCTIONS TO TENDERERS	Articles 1.1	-
Question/Clarification Request	Please change the article as follows: “... to Ankara, Turkey DDP, within <b>240</b> calendar days from the commencement date of the contract.”		
Answer	Please note that 210 calendar days has been determined in line with the needs of the beneficiary, therefore no changes will be made for this article.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
9.	INSTRUCTIONS TO TENDERERS	Articles 2	-
Question/Clarification Request	Due to travel restrictions taken by the Ministry of Interior based on COVID-19 declared as a pandemic by the World Health Organization, which negatively affects the time of preparing and delivering proposals, we kindly request you to postpone the dates of deadline for submission and tender opening session for 2 (two) months.		

Answer	Please refer to the Corrigendum No: 1 to the Tender Dossier and Changes No: 1 to the Tender Dossier. Please also see Answer 7.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
10.	Special Conditions	Article 32.6-g	-
Question/Clarification Request	In our experience shows that batteries can be used 7-8 years but usage is important to satisfy this battery life. Charging time, balancing effect the life of the battery. But if the battery charging not made on time, and interrupted some time; life easily decrease 3-4 years with a performance of 80%. The life of the battery directly depends on a user-driver. If the producer takes this risk of misuse driving conditions, there will be some risk cost to compensate the worst condition. This will increase the price of the bus and accordingly total procurement cost of the Ministry. We kindly ask revise this period as 4 year as a general trend in this industry.		
Answer	As the battery capacity required in the Technical Specifications is chosen in line with the distance of the routes the buses will use and the total distance that will be traveled during a full day by each bus, the buses will require to be charged regularly and fully only during the night time when they are not in service. 7 years of commercial warranty that ensures 80% maintained state of charge for the batteries was chosen in line with this principle.  Furthermore, the drivers of the buses will be trained by the successful tenderer in line with the “Appendix 2 to ANNEX II + III Training Proposal Form” and the beneficiary will be provided a guideline regarding how to use and maintain the provided supplies. As the drivers will drive the buses in line with the provided training and the supplied items will be maintained and used in line with the manufacturer’s guidelines, these supplied items are required to adhere to the articles of the warranty obligations laid out in the tender dossier.  Therefore, no changes will be made for this article.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
11.	Special Conditions	Article 32.6-g	-
Question/Clarification Request	The legal requirement for availability of spare parts is 10 years.  Our battery system has 6 years of commercial warranty which shall ensure 80% maintained state of charge.  Therefore please modify the item as follows: g. Genuine software security and other critical software patches must be available for a minimum of 5 (five) years after the final acceptance.  The contractor shall confirm the availability of all of required Spare Parts and Special Tools for 10 years. The contractor shall confirm that		

	the Spare Parts and Special Tools shall be of the same type and quality as the original parts provided.		
	The batteries must have minimum 6years of commercial warranty which shall ensure 80% maintained state of charge. In addition, the electric charging stations shall have minimum 3 years of commercial warranty.		
Answer	According to European Automobile Manufacturers Association, a period of up to 15 years after end of production availability of spare parts should be applied. As the battery capacity required in the Technical Specifications is chosen in line with the distance of the routes the buses will use and the total distance that will be traveled during a full day by each bus, the buses will require to be charged regularly and fully only during the night time when there are not in service. Durations in this article were chosen in line with this principle. Therefore no changes will be made for this article. Please also see Answer 10.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
12.	General Conditions	Article 33.1	-
Question/Clarification Request	We would like you to clarify the scope of maintenance and remedy/repair. And please clarify, which party (User/Contractor) will be responsible of the periodic maintenance.		
Answer	Please note that in line with the Article 33.1 of the Special Conditions, after-sale services is not applicable i.e. the contractor does not have any responsibility in terms of this issue. However, for the warranty conditions of the contract, the tenderers are requested to refer to Article 32 of Special Conditions and Article 32 of General Conditions.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
13.	ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER	Item 1.1.1.2	-
Question/Clarification Request	We have a SORT report with conditions where HVAC system is off. Under normal conditions we could have the possibility to provide a SORT report with any kind of requested conditions. Due to the Covid 19 pandemic measures and limited working conditions it will not be possible to execute a new SORT test until the tender date. Therefore, please modify the item as follows: <ul style="list-style-type: none"><li>• Minimum 240 km per full charge tested under SORT 2 test conditions while HVAC is turned off.</li></ul>		



Answer	As the procured item is an electric bus and considering that the need for heating and cooling in the winter and summer seasons will be met by electricity, certain ranges must be ensured. Therefore, no changes will be made for this item.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
14.	ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER	Item 1.1.2.1	-
Question/Clarification Request	Since ECE R 107.06 is updated version of Directive 2001/85/EC, we suggest the item to be revised as: The bus shall be low-floor electric bus, category M3, I class, conforming to the requirements of Directive 2001/85/EC of 20.11.2001 or ECE R107.06 relating to special provisions for vehicles used for the carriage of passengers comprising more than eight seats in addition to the driver's seat.		
Answer	It should be noted that whenever a specific standard is mentioned in the technical specifications it has to be understood as that standard or its equivalent. Please note that the requirements in the Technical Specifications are set as minimum. If the mentioned standards encapsulate the required one (and this can be proven), it would satisfy this item's requirements. Therefore, no changes will be made for this item.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
15.	ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER	Item 1.1.3.4	-
Question/Clarification Request	Since ECE R 107 is upgraded to 06 version, we suggest the item to be revised as follows: Low floor - Passenger entrance height of bus shall not exceed 340 mm and pursuant to the regulation ECE-R 107.05 or ECE R107.06		
Answer	It should be noted that whenever a specific standard is mentioned in the technical specifications it has to be understood as that standard or its equivalent. Please note that the requirements in the Technical Specifications are set as minimum. If the mentioned standards encapsulate the required		



	one (and this can be proven), it would satisfy this item's requirements. Therefore, no changes will be made for this item.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
16.	ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER	Item 1.1.3.5	-
Question/Clarification Request	Since ECE R 107 is updated version of Directive 2001/85/EC, we suggest the item to be revised as follows: Dimensions (interior height, seat sizes, etc.) shall be in accordance with Turkish Traffic Law and Regulations and Assembly Regulations (2001/85 AT or ECE R107.06)		
Answer	It should be noted that whenever a specific standard is mentioned in the technical specifications it has to be understood as that standard or its equivalent.  Please note that the requirements in the Technical Specifications are set as minimum. If the mentioned standards encapsulate the required one (and this can be proven), it would satisfy this item's requirements. Therefore, no changes will be made for this item.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
17.	ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER	Item 1.1.5.3	-
Question/Clarification Request	Is requested ramp operated electrically or manually?		
Answer	According to 2001/85/EC, extension and retraction of the ramp may be carried out either manually or power-operated. Therefore, while the beneficiary's preference is manual operation, both options will be accepted.		

Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
18.	ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER	Item 1.1.6.1	-
Question/Clarification Request	Due to required battery capacity and its effect on axle load, only 26 seats can be offered. The total passenger capacity we can provide is 88 with 62 standies in addition to 26 seats. Therefore please modify the item as follows: Passenger capacity will be minimum 26 seats and minimum 36 standing passengers.		
Answer	Passenger capacity is defined considering beneficiary's needs and procedures..  Therefore no changes will be made for this item.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
19.	ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER	Item 1.1.7.1	-
Question/Clarification Request	The legal requirement for availability of spare parts is 10 years. Therefore please modify the item as follows: All fragile and wearing parts required shall be available for 10 years.		
Answer	According to European Automobile Manufacturers Association, a period of up to 15 years after end of production should be applied. Therefore, no changes will be made for this item.		

Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
20.	ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER	Item 1.1.9.3	-
Question/Clarification Request	Please modify the item as follows: Driver cabin temperature – The HVAC in the driver’s cabin shall have the capacity to provide and maintain a temperature between 16 C and 24 C with outside ambient temperature range of -10 C to +35 C.		
Answer	Temperature limits are defined considering the long-term air temperature averages of Ankara. Therefore, no changes will be made for this item.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
21.	ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER	Item 1.1.9.5	-
Question/Clarification Request	Please modify the item as follows: Passenger compartment temperature – HVAC in the passenger compartment shall provide and maintain a temperature of 16 C - 24 C with outside ambient temperature range of -10 C to +35 C.		
Answer	Temperature limits are defined considering the long-term air temperature averages of Ankara. Therefore, no changes will be made for this item.		

Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
22.	ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER	Item 1.1.9.3 & 1.1.9.5	-
Question/Clarification Request	Please clarify if the diesel preheater is allowed. Since it is requested to provide and maintain a temperature between 16C and 24C with outside ambient temperature between -13C to +35C, to optimize battery capacity and vehicle mileage, the preheater is needed.		
Answer	Only electrical HVAC system shall be provided. Therefore, diesel preheater is not allowed.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
23.	ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER	Item 1.1.12.1	-
Question/Clarification Request	The similar camera system, 3 (three) 360-degree fish eye, was implemented to some of our customer's 12 meter city buses and its performance definitely meet the requirements increasing the number of energy consuming part have negative effect on the range. Therefore please modify the item as follows: Minimum 3 (three) 360-degree fish eye lens type with 6 MB flexible mount dual sensor day and night operable with audio type cameras with IP static capabilities and DHCP server compatible shall be installed on each bus.		
Answer	Camera system criteria are defined considering beneficiary's needs and procedures. Therefore, no changes will be made for this item.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
24.	ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER	Item 1.1.12.3	-
Question/Clarification	Existing NAS (network attached storage) products in the market cannot provide requested storage capacity for requested number of camera		

n Request	units. In order to provide this issue, 2 units NAS should be used. This has negative effect on range, price and maintenance. Therefore please modify the item as follows: Minimum storage capacity on board for each camera should be for 15 days.		
Answer	Camera system criteria are defined considering beneficiary’s needs and procedures by also taking into account that required specification can be satisfied by the products surveyed in the market. Therefore, no changes will be made for this item.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
25.	ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER	Item 1.1.13.9	-
Question/Clarification Request	Since Directive 2007/34/EC is a level of 70/157/EC and the others cover the regulation and updated ones please modify the item as follows: Permissible inside and outside noise levels: The noise level generated by an operating vehicle should be within the following limits:  Outside noise levels: permitted by Turkish Highway Traffic Law and legislations or <b>R51.03 or 540/2014 or 70/157/EC</b>  Inside noise levels: permitted by Turkish Highway Traffic Law and legislations or BDS ISO 5128:1996		
Answer	It should be noted that whenever a specific standard is mentioned in the technical specifications it has to be understood as that standard or its equivalent.  Please note that the requirements in the Technical Specifications are set as minimum. If the mentioned standards encapsulate the required one (and this can be proven), it would satisfy this item’s requirements. Therefore, no changes will be made for this item.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
26.	ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER	Item 1.1.13.12	-
Question/Clarification Request	Electric vehicle technology has a high risk with firing battery and high voltage cables since there is not ant fuel in a vehicle. Electric and battery fire cannot be extinguished by a fire extinguisher because electrical fire could progress without oxygen in the environment, so none		

	of the fire extinguishers can affect an electrical fire. We kindly ask to revise this clause to: “Automatic Emergency Fire warning system: in case of heating or smoke, fire in the main parts of the bus, there should be an automatic emergency fire warning system which can detect changes in temperature and/or smoke generation, provide signal to the driver and warns the driver. If the situation gets more critical high and low voltage could be cut automatically.”		
Answer	Although electric and battery fire cannot be extinguished by a fire extinguisher, fire extinguishing systems are vital for non-electrical and non-battery fires. In addition, the fire extinguishing system can reduce the speed of fire spreading to other parts of the bus, even in electric and battery fires. Therefore, no changes will be made for this item.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
27.	ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER	Item 1.1.13.12	-
Question/Clarification Request	Electrical bus technology and Li-ion batteries are still a relatively new technology and fire extinguishing of them is a recent area of research. There is a fire detection and alert system for the offered buses. There is also a system of battery and axle (hub motor) cooling to prevent the risk of fire. Therefore, please modify this item as follows: Automatic Emergency Fire <b>detection</b> system: in case of heating, fire in the main parts of the bus, there should be a fire <b>detection</b> system which can detect changes in temperature, provide signal to the driver. Additionally, please clarify the scope of “main parts of the bus” mentioned in the item.		
Answer	Although electric and battery fire cannot be extinguished by a fire extinguisher, fire extinguishing systems are vital for non-electrical and non-battery fires. In addition, the fire extinguishing system can reduce the speed of fire spreading to other parts of the bus, even in electric and battery fires. Therefore no changes will be made for this item. Main parts of bus are chassis, body, wheels, cabins, doors, windows, motor, battery etc.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
28.	ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER	1.2.11	-

Question/Clarification Request	Charger technology has some international standards. Sector uses IP 54 standards for charger systems. (As a samples from global charging unit producers: ABB, Power Electronics-NUBE, Schneider Electric-EVLink, Mennekees-Amtron) Regarding to environmental conditions, IP 54 is much more sustainable. Otherwise other standard becomes more costly and difficult to satisfy. We kindly ask to revise this clause with IP 54.		
Answer	IP65 was preferred since there can be high air and dust circulation in the bus garages which would carry water and mud into the charging units. IP54 is preferred mostly indoor use or in areas where rain and snow is not an issue. As a result of the above-mentioned needs of the beneficiary institution and according to the market survey conducted there are products that satisfy this requirement, no changes will be made for this item.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
29.	ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER	-	-
Question/Clarification Request	Please add an item for the following issue: Preventive Brake Assist for city buses This function helps to increase safety for buses and its environment The Brake Assist for city buses warns the driver before a collision with an obstacle, breaking the bus autonomously if necessary. The Brake Assist for city buses also reacts to moving pedestrians. The resulting partial braking gives the driver the opportunity to avoid a collision through full braking, accelerating or a steering manoeuvre. Additionally, he can warn endangered pedestrians by sounding the horn in good time.		
Answer	Item 1.1.1.4 indicates that: Standards: “Compliance with all required latest Turkish, and EU standards and laws for safe operation of electric buses as public transport vehicles in the city.”  Minimum requirements are defined in the specification. Provided that this item is taken into consideration, there is no obstacle for the implementation of additional measures.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
30.	ANNEX II + III: TECHNICAL	-	-



	SPECIFICATIONS + TECHNICAL OFFER		
Question/Clarification Request	Please add an item for the following issue: Sideguard Assist for City Buses This function helps to increase safety for buses and its environment. This assistant serves to detect and warn when other road users are in the “blind” spot when turning to the right. It provides two main functions: TURN ASSISTANT: - Detects people and vehicles when turning to the right - Separate warning light in the A0 pillar - Vibration alarm in the driver’s seat - Assists the driver during turning - Visual and haptic warning of endangered pedestrians, cyclists, vehicles and objects (visual in exterior mirror, haptic vibration in driver’s seat) LANE CHANGE ASSISTANT: - Assists the driver during lane-changing manoeuvres - Visual and haptic warning of potentially dangerous objects (visual in exterior mirror, haptic vibration in driver’s seat)		
Answer	Please see Answer 29.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
31.	ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER	-	-
Question/Clarification Request	Please add an item for the following issue: Cataphoresis process shall be done for Body Structure. The Cataphoresis process helps to protect the body structure against corrosion and increases durability of body structure.		

A

Answer	Please see Answer 29.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
32.	ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER	-	-
Question/Clarification Request	The vehicle shall be equipped with destinations signs which locates at front, right and rear and appropriate dimensions. In addition, destinations signs shall allow to show line name and number. Shall destination signs be requested on vehicle?		
Answer	Destination signs will be responsibility of the beneficiary.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
33.	ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER	-	-
Question/Clarification Request	Please add an item for the following issue: Electronic Stability Program (ESP) Function. Because of weight difference from conventional bus, maintaining driving stability in longitudinal and lateral dynamically critical driving conditions (within physical limits) more important in electrical vehicles and ESP ensures increased driving safety. This can be the case for - Changing lanes - Evasive manoeuvres - Breaking in bends - Negotiating drawn out curves (e.g. motorway exits)		
Answer	Please see Answer 29.		

Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
34.	ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER	-	-
Question/Clarification Request	<p>Please add an item for the following issue:</p> <p>Roll and Pitch Control Function</p> <p>Due to the higher roof loads and thus higher center of gravity in contrast to the comparable conventional vehicles, roll and pitch control helps to increase driving safety.</p> <p>The use of adaptive shock absorbers prevents tilting and pitching during cornering and braking, thus contributing to significantly increased ride comfort.</p> <ul style="list-style-type: none"> <li>- Electronic control for chassis damping</li> <li>- Lower tendency to roll, higher comfort</li> <li>- Reduction in brake pitch movement and start-up pitching</li> <li>- Protection for tyres, suspension and road</li> <li>- Increase in driving safety thanks to lower wheel load fluctuations</li> <li>- Integration in ABS/ASR/ESP control</li> </ul>		
Answer	Please see Answer 29.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
35.	ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER	-	-
Question/Clarification	Please add an item for the following issue:		

Request	Assistance Eco Driver Feedback (EDF) Function This function collects information about driver's driving style and make the driver aware of his driving behavior. In the end, it helps to reduce fuel consumption and wear, and to improve eco-compatibility through an economic driving style - Automatic activation - Continuous availability of driving data from two driver cards, if a third driver comes along the data of the first driver will be deleted - Data can be reset manually by driver - Information about smoothness of journey, use of retarder and accelerator, as well as deceleration and stopping behavior - Retrieval of information via operating menu / assistance systems		
Answer	In the technical specifications minimum requirements are defined for efficiency and monitoring systems. Provided that this item is taken into consideration, there is no obstacle for the implementation of additional measures.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
36.	ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER	-	-
Question/Clarification Request	Please add an item for the following issue: USB Charge in driver compartment Generally a USB charger close to driver is demanded by customers		
Answer	In the technical specifications minimum requirements are defined for comfort issues. Provided that this item is taken into consideration, there is no obstacle for the implementation of additional measures.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
37.	ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER	-	-
Question/Clarification	Please add an item for the following issue: Sun Blinds on Windscreen operated electrically		

Request	Generally electrically operated sun blinds on windscreen is demanded by customers		
Answer	In the technical specifications minimum requirements are defined for comfort issues. Provided that this item is taken into consideration, there is no obstacle for the implementation of additional measures. Sun blinds can be operated manually or electrically.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
38.	ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER	-	-
Question/Clarification Request	Please add an item for the following issue: Driver's Cabin To protect driver generally driver cabin is demanded by customers		
Answer	In line with item 1.1.9.2 and 1.1.9.3, there will be a driver's cabin to protect the driver.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
39.	ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER	-	-
Question/Clarification Request	Please add an item for the following issue: Control of heating, ventilation, air conditioning according to loading and outside temperature functions This function helps to increase performance of climate system in the vehicle. The heating, ventilation, air conditioning is not controlled by fixed set point values (present level: 24 degrees Celsius) but the inside temperature line is governed by the outside temperature. The amount of fresh air supplied is governed by the number of passengers. As a result, in winter less heating is required and in summer less cooling. Altogether, this variable control leads to fuel saving. In extreme operations fuel savings between 4 and 6 % have been recorded. (Example: vehicle almost empty, extreme outside temperatures) In heavy-duty operations, e.g. with the vehicle full in moderate temperature zones fuel savings of up to 3 % have been recorded.		

	<p>For example, the following temperatures are displayed</p> <p>Outside temperature inside temperatures</p> <p>-10 degrees Celsius +18 degrees Celsius</p> <p>-15 degrees Celsius +13 degrees Celsius</p> <p>-20 degrees Celsius +8 degrees Celsius</p> <p>As before, the temperature for the driver's area can be set by the driver. This area is not influenced by the new control system.</p> <p>For the passenger area the driver can make two different settings/adjustments</p> <p>1. Parallel displacement of characteristics, he can shift the characteristics by 2 degrees up or down</p> <p>2-Eco or Comfort characteristic</p>		
Answer	In the technical specification minimum requirements are defined for efficiency. Provided that these criteria are taken into consideration, there is no obstacle for the implementation of additional measures.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
40.	ANNEX V: Warranty Obligations Form	3	-
Question/Clarification Request	<p>Since the replacement parts warranty shall be terminated together with vehicle warranty period, we request the item to be revised as follows:</p> <p>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 <b>end of warranty period</b>.</p>		
Answer	Please note that no changes will be made for this article.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
41.	ANNEX V: Warranty Obligations Form	4	-
Question/Clarification	<p>We believe that, time limit for the remedy of defect or damage should be based on the seriousness of the damage and realistic repair time. And also it should not be reason of contract termination. Therefore we request this article to be modified as follows:</p>		

Request	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 <b>based on repair period of the damage or defect</b> , 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.		
Answer	Please note that no changes will be made for this article as the repair period will be stipulated in the notification.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
42.	ANNEX V: Warranty Obligations Form	6	-
Question/Clarification Request	In the item 7 of this form, warranty is mentioned as 1 year. We believe there is a conflict. Please clarify if warranty period is 1 year or 2 years after provisional acceptance.		
Answer	<p>Please note that the warranty mentioned in item 6 is commercial warranty which is different than the warranty mentioned in item 7. The warranty in item 7 is the warranty guaranteed by the contractor in the scope of this contract. Therefore, there is no conflict and the items stay the same.</p> <p>Commercial warranty is the warranty the manufacturer provides for a defined period guaranteeing that the supply will be free from structural defects due to substandard material or workmanship, under conditions of normal commercial use and service. The commercial warranty should not be confused with - and might go beyond - the warranty period of the contract.</p> <p>There is one year of contractor's warranty and 2 years of commercial warranty. Both will be commenced following the provisional acceptance.</p>		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
43.	ANNEX V: Warranty Obligations Form	6	f



Question/Clarification Request	Depending on the supply period of the parts/equipment, we request the item to be revised as follows: f. An intervention must be made to all equipment within a max of 24 hours (after properly submitted Warranty request) and all equipment will be made operational within <b>30</b> calendar days.		
Answer	3 days was chosen to ensure that the buses operate as soon as possible in line with the needs of the beneficiary. Therefore, no changes will be made for this article.		
Question No	Document Name	Related Section and title (If applicable)	Related clause or sub-clause (If applicable)
44.	ANNEX V: Warranty Obligations Form	7	-
Question/Clarification Request	In the item 6 of this form, warranty is mentioned as 2 years. We believe there is a conflict. Please clarify if warranty period is 1 year or 2 years after provisional acceptance.		
Answer	Please see Answer 42.		