Section III. Evaluation and Qualification Criteria (Without Prequalification)

This Section contains all the criteria that the Employer shall use to evaluate bids and qualify Bidders. In accordance with ITB 35 and ITB 37, no other factors, methods or criteria shall be used. The Bidder shall provide all the information requested in the forms included in Section IV, Bidding Forms.

Table of Criteria

1. Evaluation 1
1.1. Technical Evaluation 1
1.2. Economic Evaluation 1
1.3 Technical Alternatives 4
2. Qualification 4
2.1. Eligibility 4
2.2 Historical Contract Non-Performance 4
2.3. Financial Situation 7
2.4. Experience 8
2.5. Personnel ..... 8.
2.6. Equipment 9
2.7. Subcontractors 9

1. Evaluation

1.1 Technical Evaluation

In addition to the criteria listed in ITB 35.2 (a) – (c) the following factors shall apply:

NONE

1.2 Economic Evaluation

The following factors and methods will apply:

(a) Time Schedule:

Time to complete the plant and services from the effective date specified in Article 3 of the Contract Agreement for determining time for completion of pre-commissioning activities is **510 calendar days**. No credit will be given for earlier completion.

(b) Operating and Maintenance Costs

NOT Applicable

The price of recommended spare parts quoted in Price Schedule No.6 shall not be considered for bid evaluation.

(c) Functional Guarantees of the facilities

Maximum permissible losses for the following equipment to be supplied are as under:

Equipment(a)	Parameter(b)		Maximum permissible loss for each equipment(d)
154/33.6 kV 100 MVA, 3Ø Power transformer	No Load Losses	At mean tapping, Rated Voltage	35 kW
		At mean tapping, 110% of Rated Voltage	45 kW
	Load Losses	At Highest Tapping	282 kW
		At Mean Tapping	272 kW
		At Lowest Tapping	272 kW
	Cooling System Loss		-
33/0.4 kV - 160 KVA, 3Ø Auxiliary transformer (OG/AG) With Expansion Tank	No Load Losses	At mean tapping, Rated Voltage	0,39 kW
	Load Losses	At mean tapping, Rated Voltage	2,15 kW
33/0.4 kV - 160 KVA, 3Ø Auxiliary transformer (OG/AG) Hermetic Type	No Load Losses	At mean tapping, Rated Voltage	0,39 kW
	Load Losses	At mean tapping, Rated Voltage	2,15 kW
33/0.4 kV - 160 KVA, 3Ø Auxiliary transformer (OG/AG) Dried Type	No Load Losses	At mean tapping, Rated Voltage	0,85 kW
	Load Losses	At mean tapping, Rated Voltage	2,5 kW

Maximum permissible audible sound level for the following equipment to be supplied are as under:

Equipment	Parameter		Maximum permisisible audible sound level for each equipment
154/33.6 kV 100 MVA, 3Ø Power transformer	audible sound level ONAF	At mean tapping, Rated Voltage	60 db

33/0.4 kV - 160 KVA, 3Ø Auxiliary transformer	audible sound level ONAN	With maximum magnetic flux at 36 kV	57 db

Bidders shall state the proposed functional guarantees in Section IV, Form func. In addition, bidders shall state the guaranteed performance characteristics in response to the Technical Specifications in Section VI, Employer's Requirements.

Above mentioned maximum permissible sound levels shall be provided as specified in IEC 60076-10 determination of sound levels standards.

In case the offered parameters of all proposed power transformers and auxiliary transformers (including tolerance(s) specified in the Section VI, Technical Specifications, Paragraph 2.1.2.2 for power transformer and Paragraph 2.5.3 for auxiliary transformer) exceeding the maximum permissible loss and maximum permissible audible sound level shall not be accepted and the bid shall be rejected.

(d) Work, services, facilities, etc., to be provided by the Employer

Where bids include the undertaking of work or the provision of services or facilities by the Employer in excess of the provisions allowed for in the bidding document, the Employer shall assess the costs of such additional work, services and/or facilities during the duration of the contract. Such costs shall be added to the bid price for evaluation.

(e) Specific additional criteria

The relevant evaluation method, if any, shall be as follows:

Type Test Prices provided in Price Schedule 4B shall be evaluated.
Local Transportation Costs provided in Price Schedule 4C.

1.3 Technical alternatives

The bid will be submitted as per technical specification. No alternative technical bid is acceptable.

2. Qualification

The Bidder's qualifications and experience will be taken into account rather than that of parent/sister company unless the latter creates a joint venture/consortium, and signs the contract. i.e. the qualification of parent/sister company shall only be taken into account if the parent/sister company is a member of the joint venture/consortium. A parent company as bidder may use the qualification and experience of subsidiary which is owned in majority by such bidders.

Factor	2.1 Eligibility					
Sub-Factor	Criteria					Documentation Required
	Requirement	Bidder				
		Single Entity	Joint Venture, Consortium or Association			
			All partners combined	Each partner	At least one partner	
2.1.1 Nationality	Nationality in accordance with ITB 4.2.	Must meet requirement	Existing or intended JVA must meet requirement	Must meet requirement	N / A	Form ELI –1.1 and 1.2, with attachments
2.1.2 Conflict of Interest	No- conflicts of interests as described in ITB 4.3.	Must meet requirement	Existing or intended JVA must meet requirement	Must meet requirement	N / A	Letter of Bid
2.1.3 Bank Ineligibility	Not having been declared ineligible by the Bank as described in ITB 4.4.	Must meet requirement	Existing JVA must meet requirement	Must meet requirement	N / A	Letter of Bid
2.1.4 Government Owned Entity	Compliance with conditions of ITB 4.5	Must meet requirement	Must meet requirement	Must meet requirement	N / A	Form ELI –1.1 and 1.2, with attachments
2.1.5 Ineligibility based on a United Nations resolution or Borrower's country law	Not having been excluded as a result of the Borrower's country laws or official regulations, or by an act of compliance with UN Security Council resolution, in accordance with ITB 4.8	Must meet requirement	Existing JVA must meet requirement	Must meet requirement	N / A	Letter of Bid

Factor	2.2 Historical Contract Non-Performance					
Sub-Factor	Criteria					Documentation Required
	Requirement	Bidder				
		Single Entity	Joint Venture, Consortium or Association			
			All partners combined	Each partner	At least one partner	
2.2.1 History of non-performing contracts	Non-performance of a contract did not occur within the last **five (5)** years prior to the deadline for bid submission, based on all information on fully settled disputes or litigation. A fully settled dispute or litigation is one that has been resolved in accordance with the Dispute Resolution Mechanism under the respective contract, and where all appeal instances available to the bidder have been exhausted.	Must meet requirement by itself or as partner to past or existing JVA	N / A	Must meet requirement by itself or as partner to past or existing JVA	N / A	Form CON - 2
2.2.2 Pending Litigation	All pending litigation shall in total not represent more than Twenty-five percent (25 %) of the Bidder's net worth and shall be treated as resolved against the Bidder.	Must meet requirement by itself or as partner to past or existing JVA	N / A	Must meet requirement by itself or as partner to past or existing JVA	N / A	Form CON – 2

Factor	2.3 Financial Situation					
Sub-Factor	Criteria					Documentation Required
	Requirement	Bidder				
		Single Entity	Joint Venture, Consortium or Association			
			All partners combined	Each partner	At least one partner	
2.3.1 Historical Financial Performance	Submission of audited balance sheets or if not required by the law of the bidder's country, other financial statements acceptable to the Employer, for the last **five [5]** years to demonstrate the current soundness of the bidders financial position and its prospective long term profitability.	Must meet requirement	N / A	Must meet requirement	N / A	Form FIN – 3.1 with attachments
2.3.2 Average Annual Turnover	Minimum average annual turnover of **EURO 7,000,000 (EURO seven million)** equivalent during the last **5 (five)** years calculated as total certified payments received for contracts in progress or completed, within the last **five (5)** years	Must meet requirement	Must meet requirement	Must meet **Twentyfive percent (25 %)** of the requirement	Must meet **Fifty_ percent (50 %)** of the requirement	Form FIN – 3.2
2.3.3 Financial Resources	The Bidder must demonstrate access to, or availability of, financial resources such as liquid assets, unencumbered real assets, lines of credit, and other financial means, other than any contractual advance payments to meet: (i) the following cash-flow requirement: **EURO 1,500,000 (EURO one million five hundred thousand) equivalent,** and (ii) the overall cash flow requirements for this contract and its current commitments.	Must meet requirement	Must meet requirement	N / A	N / A	Form FIN – 3.3

Factor	2.4 Experience					
Sub-Factor	Criteria					Documentation Required
	Requirement	Bidder				
		Single Entity	Joint Venture, Consortium or Association			
			All partners combined	Each partner	At least one partner	
2.4.1 General Experience	Experience under contracts in the role of contractor, subcontractor, or management contractor for at least the last ten **[10]** years prior to the bid submission deadline.	Must meet requirem ent	N / A	Must meet requiremen t	N / A	Form EXP-2.4.1
2.4.2 Specific Experience	(a) Participation as contractor, management contractor, or subcontractor, **, in at least 2 GIS Substation contracts at or over 154 kV within the last 10 (ten) years, each with a value of at least Euro 4,000,000 (EURO four million) equivalent,** that have been successfully and substantially completed and that are similar to the proposed Plant and Installation Services. The similarity shall be based on the complexity, methods/technology or other characteristics as described in Section VI, Employer's Requirements.	Must meet requirem ent	Must meet requirements	N / A	N / A	Form EXP 2.4.2(a)
2.4.2 Specific Experience	(b) For the contracts executed in 2.4.2(a) above, at least one of the Contract shall be a GIS Substation at or over 154 kV, similar to the proposed Plant and Installation Services as described in Section VI, Employer's Requirements, and it should be in successful operation at least 1 (one) year prior to the bid submission deadline. This contract should be for a complete GIS Substation at or over 154 kV, and not for extension of an existing substation.	Must meet requirem ents	Must meet requirements	N / A	Must meet requirements	Form EXP-2.4.2(b)

2.5 Personnel

The Bidder must demonstrate that it will have the personnel for the key positions that meet the following requirements:

No.	Position	Total Work Similar Experience (years)	In Similar Works Experience (years)
1	Project Manager	10	5
2	Site Engineer	5	3
3	Resident Engineer	5	2
4	Supervisor	5	3

The Bidder shall provide details of the proposed personnel and their experience records in the relevant Forms included in Section IV, Bidding Forms.

2.6 Equipment

The Bidder must demonstrate that it will have access to the key Contractor's equipment listed hereafter:

NOT APPLICABLE

2.7 Subcontractors

Subcontractors/manufacturers for the following major items of supply or services must meet the following minimum criteria, herein listed for that item:
For local manufacturers who are manufacturing under licence, the licensee of the Manufacturer shall be subjected to the following minimum criteria. Those manufacturers shall submit the Licence Agreement together with the reference of the main manufacturer.

Item No.	Description of Item	Minimum Criteria to be met
1	For the manufacturing, testing and supply of **Power Transformers**;	Supply of; at least totally 5000 MVA of power transformers (single or three phase) at min. 154 kV AND min. 25 MVA AND, - At least four (4) each min. 154 kV AND min. 80/100 MVA power transformers should have been supplied to different customers (end users) AND, - At least ten (10) each min. 154 kV AND min. 80/100 MVA power transformers (single or three phase), supplied by the manufacturer are in successful operation for at least five (5) years as of the date of bid opening are the minimum criteria that manufacturers should meet in order to be qualified. The Bidder shall submit in his Bid the short circuit type test report (conducted after January 01, 1990) carried out on a three phase transformer of min. 154 kV AND min. 100 MVA rating. In case the submitted short circuit type test report complies with the above mentioned minimum rating but does not belong exactly to the offered transformer or submitted short circuit type test report belong exactly to the offered transformer but not conducted after

		February 07,2006 or not performed above then short circuit type test shall be carried out. Manufacturers not providing said type test reports shall be rejected.
2	For the manufacturing, testing and supply of **170 kV GIS System**;	Only the Manufacturers who have supplied to various clients (end users) in which at least two of them shall not be the local Authority/Client of the manufacturer's country, – minimum 200 bays (feeder) with circuit breakers at or over 170 kV maximum operating voltage, in addition to, – minimum 50 bays (feeder) with circuit breakers at or over 170 kV maximum operating voltage in operation (commissioned) for at least five years as of the date of bid opening shall be eligible for this item. The Bidder shall submit in his Bid the type test reports and certificate for the Gas Insulated Switchgear: Type tests should have been carried out <u>at 50 Hz frequency</u> on equipment having a rating/characteristic of not less than the offered type of SF6 gas insulated switchgear: • GIS bay (for the type tests stated in clause 3.12.1.(a) of General Technical Specification except earthquake withstand test) and • GIS circuit breaker (for the type test stated in clause 3.12.1.(b) of General Technical Specification)
3	For the manufacturing, testing and supply of **170 kV Lightning Arresters;**	- Minimum 100 each single phase Lightning Arresters to be used at 170 kV and above, should have been supplied to different clients (end users) - Minimum 30 % of the a/m quantity shall be in successful operation for at least five years as of the date of bid opening
4	For the manufacturing, testing and supply of **MV Metal Clad Cubicles;**	Only the Manufacturers; – who have a manufacturing experience on MV metal clad systems for at least five 5 years as on the date of bid opening date and – who have supplied to various clients minimum 50 each 36 kV 25 kA metal clad feeders and – minumum 30 % of the a/m quantity shall be in successful operation for at least five years as of the date of bid opening shall be qualified for this item.
5	For the manufacturing, testing and supply of **36 kV Circuit Breakers;**	-Minimum 100 each SF6 or Vacuum Circuit Breakers of 36 kV and above, should have been supplied to different clients (end users). - Minimum 30 % of the a/m quantity shall be in successful operation for at least five years as of the date of bid opening
6	For the manufacturing, testing and supply of **36 kV Earthing switches**	-Minimum 200 each **Earthing switches** of 36 kV and above, should have been supplied to different clients (end users). - Minimum 30 % of the a/m quantity shall be in successful operation for at least five years as of the date of bid opening

7	For the manufacturing, testing and supply of **36 kV Current Transformers;**	-Minimum 300 each single phase **Current Transformers** of 36 kV and above, should have been supplied to different clients (end users). - Minimum 30 % of the a/m quantity shall be in successful operation for at least five years as of the date of bid opening
8	For the manufacturing, testing and supply of **36 kV Voltage Transformers**;	-Minimum 100 each single phase **Voltage Transformers** of 36 kV and above, should have been supplied to different clients (end users). - Minimum 30 % of the a/m quantity shall be in successful operation for at least five years as of the date of bid opening
9	For the manufacturing, testing and supply of **relays;**	The manufacturer of relays; Who have supplied: - 100 distance protection relays; in addition to, - 200 transformer differential relays used for power transformers; in addition to, - 20 busbar and breaker failure protection relays, (ie. For 20 substations) and, -Minimum 30 % of the a/m quantity shall be in successful operation for at least five years as of the date of bid opening shall be qualified for this item.
10	For the manufacturing, testing and supply of **control and Protection Panels;**	For the HV, MV voltage control and protection panels and any other panels (illumination and AC&DC distribution panels) in scope of the project; only the Manufacturers which have manufacturing experience in manufacturing of panels having IP 41 protection class shall be qualified for this item. Minimum one piece of panel should have been supplied for each type and they shall be in successful operation for last three years, as of the date of bid opening.
11	For the manufacturing, testing and supply of **HV power cables;**	The cable manufacturers; - who have a manufacturing experience on 154 kV (minimum) XLPE insulated power cables for at least five 5 years as on the date of bid opening date and - who have supplied to minimum 15000 meters of 154 kV, 1000 mm² or above XLPE insulated power cables and, - Minimum 30 % of the a/m quantity shall be in successful operation for at least five years as of the date of bid opening shall be qualified for this item.
12	For the manufacturing, testing and supply of **MV power cables;**	The cable manufacturers; - who have a manufacturing experience on 36 kV (minimum) XLPE insulated power cables for at least five 5 years as on the date of bid opening date and - who have supplied to minimum 1500 meters of 36 kV, 120 mm² or above XLPE insulated power cables and, - Minimum 30 % of the a/m quantity shall be in successful operation for at least five years as of the date of bid opening shall be qualified for this item.
13	For the manufacturing, testing and supply of **other equipment;**	Only the Manufacturers who have a manufacturing experience of the related equipment during the last five years as of the date of bid opening shall be qualified.

Failure to comply with this requirement will result in rejection of the subcontractor.

In the case of a Bidder who offers to supply and install major items of supply under the contract that the Bidder did not manufacture or otherwise produce, the Bidder shall provide the manufacturer's authorization, using the form provided in Section IV, showing that the Bidder has been duly authorized by the manufacturer or producer of the related plant and equipment or component to supply and install that item in the Employer's country. The Bidder is responsible for ensuring that the manufacturer or producer complies with the requirements of ITB 4 and 5 and meets the minimum criteria listed above for that item.

Bidders shall supply the reference list from the manufacturers together with Manufacturer's Authorization