

Amendment to Commercial Conditions of Contract – Com-2 STG

ALFA INFRAPROP PVT LIMITED

**2 x 660 MW Supercritical Thermal Power Plant at Komarada Village,
Vizianagaram District A.P. India**

**Commercial Conditions of Contract Volume – I
Steam Turbine Generator & their Auxiliaries
SPECIFICATION No. TCE-6015A-C-540-001**

Sl. No	Specification	As per BQR	Amended To
1	Section A-3 BQR clause No 4.2	<p>The Bidder should have designed, engineered, manufactured, erected/ supervised erection, commissioned/ supervised commissioning of at least one (1) number of reheat type of Steam Turbine of 660MW or above capacity for Supercritical unit of the type specified (i.e. tandem compound, single reheat, regenerative, condensing, multi cylinder design), and one no. Generator of 660MW or above capacity. The steam turbine should have following minimum steam parameter at turbine inlet:-</p> <ul style="list-style-type: none"> (i) Rated turbine throttle steam pressure- 246 kg/cm² (ii) Rated turbine throttle steam temperature- 565 deg C (iii) Rated turbine throttle reheat steam temperature- 593 deg C <p>It is to be noted that the maximum turbine heat rate for supercritical unit shall be as per CEA/CERC is 1850 Kcal/Kwhr</p> <p>The above Steam Turbine and Generator should have been in successful operation for a period of not less than three (3) years as on the last date of submission of bid document.</p>	<p>The Bidder should have designed, engineered, manufactured, erected/ supervised erection, commissioned/ supervised commissioning of at least one (1) number of reheat type of Steam Turbine of 660MW or above capacity for Supercritical unit of the type specified (i.e. tandem compound, single reheat, regenerative, condensing, multi cylinder design), and one no. Generator of 660MW or above capacity. The steam turbine should have following minimum steam parameter at turbine inlet:-</p> <ul style="list-style-type: none"> (i) Rated turbine throttle steam pressure- 246 kg/cm² (ii) Rated turbine throttle steam temperature- 565 deg C (iii) Rated turbine throttle reheat steam temperature- 593 deg C <p>It is to be noted that the maximum turbine heat rate for supercritical unit shall be as per CEA/CERC is 1850 Kcal/Kwhr</p> <p>The above Steam Turbine and Generator should have been in successful operation for a period of not less than one (1) year as on the last date of submission of bid document.</p>

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		Further the Bidder warrants that the equipment or its parts to be supplied including the software does not infringe any patent and / or licence and / or intellectual property rights and the confirmation to this should be submitted along with the bid document.	Further the Bidder warrants that the equipment or its parts to be supplied including the software does not infringe any patent and / or licence and / or intellectual property rights and the confirmation to this should be submitted along with the bid document.
2	Section A-3 BQR clause No 4.6	The Bidder should have designed, engineered, manufactured, erected/ supervised erection, commissioned/ supervised commissioning of at least one (1) number of reheat type of Steam Turbine and Generator set of 500 MW or higher capacity in India and which are in successful operation for at least three (3) years as on the last date of submission of Bid document. The Bidder shall also have a valid ongoing technology transfer agreement including license to manufacture and supply Steam Turbine and Generator meeting the requirements of 4.2 above. In such an event the Bidder shall furnish joint deed of undertaking executed by Bidder and his Licensor/collaborator for the successful performance of Steam Turbine Generator and its auxiliaries, as per the format enclosed in the bid document to the effect that the Licensor/collaborator and the Bidder are jointly and severally liable to the Owner to perform all the contractual obligations including the technical guarantees for the complete Steam Turbine Generator and its auxiliaries. The joint deed(s) of undertaking shall be submitted along with the Bid documents, failing which the Bidder shall be disqualified and his Bid documents shall be rejected. In case of award, the licensor/collaborator(s)/associate(s) will be required to furnish an on demand bank guarantee for 1.0% for Steam Turbine Generator of the total contract price of the Main Plant Package Part-B in addition to the contract performance securities to be furnished by the Bidder.	The Bidder should have designed, engineered, manufactured, erected/ supervised erection, commissioned/ supervised commissioning of at least one (1) number of reheat type of Steam Turbine and Generator set of 500 MW or higher capacity in India and which are in successful operation for at least one (1) year as on the last date of submission of Bid document. The Bidder shall also have a valid ongoing technology transfer agreement including license to manufacture and supply Steam Turbine and Generator meeting the requirements of 4.2 above. In such an event the Bidder shall furnish joint deed of undertaking executed by Bidder and his Licensor/collaborator for the successful performance of Steam Turbine Generator and its auxiliaries, as per the format enclosed in the bid document to the effect that the Licensor/collaborator and the Bidder are jointly and severally liable to the Owner to perform all the contractual obligations including the technical guarantees for the complete Steam Turbine Generator and its auxiliaries. The joint deed(s) of undertaking shall be submitted along with the Bid documents, failing which the Bidder shall be disqualified and his Bid documents shall be rejected. In case of award, the licensor/collaborator(s)/associate(s) will be required to furnish an on demand bank guarantee for 1.0% for Steam Turbine Generator of the total contract price of the Main Plant Package Part-B in addition to the contract performance securities to be furnished by the Bidder.

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3	<p>Section A-3 BQR clause No 4.7</p>	<p>The Bidder shall be either an Engineering, Procurement and Construction (EPC) organization or a Turnkey Management and contracting organization and has successfully executed at least one (1) number Coal / Lignite / Gas fired power plant of unit size of 200 MW or higher capacity (in case of Gas based combined cycle power plant the total capacity of the plant consisting of Gas Turbine Generator Set, Heat Recovery Steam Generator and Steam Turbine Generator Set shall be considered as unit capacity) in India, which is in successful commercial operation for a period of not less than three (3) years on the last date of submission of bid, can be qualified provided he fulfills the following requirements.</p> <p style="margin-left: 40px;">i) In such a case the Bidder shall source Steam Turbine Generator & its auxiliaries from its Associate Manufacturing Company (AMC). The AMC should be incorporated in India for the manufacture of Steam Turbine Generator & its auxiliaries. AMC should have a valid technology transfer agreement as on the date of submission of bid for the type, size and rating of the Steam Turbine Generator & its auxiliaries with manufacturer meeting qualification requirements as stipulated at clause 4.2 above.</p>	<p>The Bidder shall be either an Engineering, Procurement and Construction (EPC) organization or a Turnkey Management and contracting Organization who has experience in executing jobs for thermal power plant(s) in India can be qualified provided he fulfils the following requirements:-</p> <p style="margin-left: 40px;">i) The Bidder shall source Steam Turbine Generator & its auxiliaries from an Original Equipment Manufacturer (OEM) Or from a manufacturer who is manufacturing the equipments under a valid License from a Original Technology Holder who meets the qualification requirement for the type, size and rating of the Steam Turbine Generator & its auxiliaries as stipulated at clause 4.2 above.</p> <p style="text-align: center;">OR</p> <p>The Bidder shall source Steam Turbine Generator & its auxiliaries from its Associate Manufacturing Company (AMC). The AMC should be incorporated in India for the manufacture of Steam Turbine Generator & its auxiliaries. AMC should have a valid technology transfer agreement as on the date of submission of bid for the type, size and rating of the Steam Turbine Generator & its auxiliaries with manufacturer meeting qualification requirements as stipulated at clause 4.2 above.</p>
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	<p>ii) The Bidder shall along with the Bid document furnish a joint deed of undertaking executed between the Bidder and the AMC for the successful performance of Steam Turbine Generator & its auxiliaries as per the format enclosed in the bid document to the effect that the AMC and the Bidder are jointly and severally liable to the Owner to perform all the contractual obligations including the technical guaranties for the complete Steam Turbine Generator & its auxiliaries. The deed of joint undertaking shall be submitted along with the bid failing which the bidder shall be disqualified & his bid shall be rejected. In case of award, the Associate Manufacturing Company will be required to furnish an on demand bank Guarantee for 1.0%for Steam Turbine Generator of the contract price of the Main Plant Package Part-B in addition to the contract performance securities to be furnished by the Bidder.</p>	<p>ii) The Bidder shall along with the Bid document furnish a joint deed of undertaking executed between the Bidder and the OEM for the successful performance of Steam Turbine Generator & its auxiliaries as per the format enclosed in the bid document to the effect that the OEM and the Bidder are jointly and severally liable to the Owner to perform all the contractual obligations including the technical guaranties for the complete Steam Turbine Generator & its auxiliaries. The deed of joint undertaking shall be submitted along with the bid failing which the bidder shall be disqualified & his bid shall be rejected. In case of award, the OEM will be required to furnish an on demand bank Guarantee for 1.0%for Steam Turbine Generator of the contract price of the Main Plant Package Part-B in addition to the contract performance securities to be furnished by the Bidder.</p> <p>iii) In the event, the Bidder shall source the Steam Turbine Generator and its auxiliaries from the manufacturer who is manufacturing the equipments under a valid License from the Original Technology Holder as contemplated at (i) above, the Bidder shall along with the bid document furnish a deed of joint undertaking executed among the Bidder and the Licensee of the Technology and the Technology Licensor for the successful performance of Steam Turbine Generator & its auxiliaries as per the format enclosed to the effect that the Licensee & Licensor and the Bidder are jointly and severally liable to the Owner to perform all the contractual obligations including the technical guaranties for the complete Steam Turbine Generator & its auxiliaries. The deed of joint undertaking shall be submitted along with the bid document failing which the Bidder shall be disqualified & his bid shall be rejected. In case of award, both the Licensee and the Licensor will be required to furnish</p>
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			separately an on demand bank Guarantee for 0.5 % (zero point five percent) of the total contract price of Main Plant Package Part-B in addition to the contract performance securities to be furnished by the Bidder.
4	Section A-2, Anx-VII ICB Activity- Time Line	Deadline for Submission of Bid - 15-11-2010 – 14.00 Hrs Opening of Bid Security and BQR- 15-11-2010 – 16.00 Hrs	Deadline for Submission of Bid - 14-12-2010 – 14.00 Hrs Opening of Bid Security and BQR- 14-12-2010 - 16.00 Hrs