

Implementation of Flue Gas Desulphurization (FGD) System on EPC basis for 2x270 MW operating Thermal Power Plant at Padampur in Saraikela-Kharswan district of Jharkhand

Corrigendum no. 5 to Bidding Document No.: 01/APNRL/22-23

S. No.	Reference	Existing Clause	Revised Clause
1.	Item no. 1.1.1 of Section I (NIT) of Volume I	The Bidder should have designed, engineered, supplied, erected/ supervised erection and commissioned/supervised commissioning of at least two (2) no. of wet limestone based Flue Gas Desulfurization System, consisting of absorber system, having flue gas treatment capacity of not less than 12,00,000 Nm ³ /hr/unit, with desulfurization efficiency of at least 90%, operating in a pulverised coal fired power plant. The above wet limestone based Flue Gas Desulfurization System should have been in successful operation for a period not less than one (1) year in India or not less than 3 years in company outside India prior to the date of Techno- Commercial bid submission. Such Wet Limestone based Flue Gas Desulphurisation system should have achieved all performance guarantees.	The Bidder should have designed, engineered, supplied, erected/ supervised erection and commissioned/supervised commissioning of at least one (1) no. of wet limestone based Flue Gas Desulfurization System, consisting of absorber system, having flue gas treatment capacity of not less than 12,00,000 Nm ³ /hr/unit, with desulfurization efficiency of at least 85% , operating in a pulverised coal fired power plant. The above wet limestone based Flue Gas Desulfurization System should have been in successful operation for a period not less than one (1) year in India or not less than 3 years in company outside India prior to the date of Techno- Commercial bid submission. Such Wet Limestone based Flue Gas Desulphurisation system should have achieved all performance guarantees.
2.	Item no. 1.1.2 of Section I (NIT) of Volume I	In case of award of a project, the QFGDM will be required to furnish an on demand bank guarantee for an amount of 5% of the total Contract Price of the Flue Gas Desulfurization System Package.	In case of award of a project, the Bidder will be required to furnish an on-demand bank guarantee for an amount of 10% (ten percent) of the total Contract Price of the Flue Gas Desulfurization System Package.
3.	Item no. 1.2.1 of Section I (NIT) of Volume I	The Bidder should be an Engineering, Procurement and Construction (EPC) organization and should have executed, in the last 10 years, large industrial projects on EPC basis (with or without civil works) in the area of environment protection, power, steel, oil & gas, petro-chemical, fertilizer, Flue Gas Desulfurization and / or any other process industry with the total value of such projects being INR 500 Crore or more (in single or multiple contract) and at least one project should have a contract value of INR 100 Crore or more. These projects shall be in successful operation for a period of not less than one (1) year prior to the date of Techno-Commercial bid submission.	The Bidder should be an Engineering, Procurement and Construction (EPC) organization and should have executed, in the last 10 years, large industrial projects on EPC basis in Mechanical (with or without civil works) or Civil Infrastructure in the area of environment protection, power, steel, oil & gas, petro-chemical, fertilizer, infrastructure development , Flue Gas Desulfurization and / or any other process industry with the total value of such projects being INR 500 Crore or more (in single or multiple contract) and at least one project should have a contract value of INR 100 Crore or more. These projects shall be in successful operation for a period of not less than one (1) year prior to the date of Techno-Commercial bid submission. The experience regarding EPC can be shown either with own credentials or through a consortium.

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4.	Item no. 1.2.2 of Section I (NIT) of Volume I	Bidder should also have a valid ongoing collaboration with a QFGDM meeting requirements of clause 1.1.1, on its own, valid minimum up to the end of the Defect Liability Period of the FGD System as per Contract. In such a case Bidder can either source the FGD System from such manufacturer or manufacture/get manufactured the FGD System as per the design and manufacturing drawings of such QFGDM.	Bidder should also have a valid ongoing collaboration with a QFGDM meeting requirements of clause 1.1.1. In such a case Bidder can either source the FGD System (Absorber) from such manufacturer or manufacture/get manufactured the FGD System as per the design and manufacturing drawings of such QFGDM and the remaining plant can be executed by the Bidder on its own.
5.	Item no. 1.2.3 of Section I (NIT) of Volume I	The Bidder shall furnish a Deed of Joint Undertaking (DJU) or the Collaboration Agreement executed by it and the QFGDM. The DJU shall be submitted along with Techno-Commercial bid, failing which the Bidder shall be disqualified and its bid shall be rejected.	The Bidder shall furnish a Deed of Joint Undertaking (DJU) or the Collaboration Agreement executed by it and the QFGDM.
6.	Item no. 1.2.4 of Section I (NIT) of Volume I	In case of award of FGD System, the Bidder will be required to furnish an on demand bank guarantee for an amount of 5% of the total Contract Price of the Flue Gas Desulfurization System Package.	In case of award of FGD System, the Bidder will be required to furnish an on-demand bank guarantee for an amount of 5% of the total Contract Price of the Flue Gas Desulfurization System Package and the Technology provider for FGD system shall also submit additional Performance Bank Guarantee for an amount of 5% of the total contract price.
7.	Item no. 1.3.1 of Section I (NIT) of Volume I	The Bidder should be an Engineering, Procurement and Construction (EPC) organization and should have executed, in the last 10 years, large industrial projects on EPC basis (with or without civil works) in the area of environment protection, power, steel, oil & gas, petro-chemical, fertilizer, Flue Gas Desulfurization and / or any other process industry with the total value of such projects being INR 500 Crore or more (in single or multiple contract) and at least one project should have a contract value of INR 100 Crore or more. These projects shall be in successful operation for a period of not less than one (1) year prior to the date of Techno-Commercial bid submission.	The Bidder should be an Engineering, Procurement and Construction (EPC) organization and should have executed, in the last 10 years, large industrial projects on EPC basis in Mechanical (with or without civil works) or Civil Infrastructure in the area of environment protection, power, steel, oil & gas, petro-chemical, fertilizer, Infrastructure development , Flue Gas Desulfurization and / or any other process industry with the total value of such projects being INR 500 Crore or more (in single or multiple contract) and at least one project should have a contract value of INR 100 Crore or more. These projects shall be in successful operation for a period of not less than one (1) year prior to the date of Techno-Commercial bid submission. The experience regarding EPC can be shown either with own credentials or through a consortium.

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S. No.	Reference	Existing Clause	Revised Clause
8.	Item no. 1.3.2 of Section I (NIT) of Volume I	Bidder should also have a valid ongoing collaboration and technology transfer agreement with a QFGDM meeting requirements of clause 1.1.1, valid minimum up to the end of the Warranty Period of the FGD System as per the Contract. In such a case Bidder can either source the FGD System from such manufacturer or manufacture/ get manufactured the FGD System as per the design and manufacturing drawings released by such QFGDM.	Bidder should also have a valid ongoing collaboration and technology transfer agreement with a QFGDM meeting requirements of clause 1.1.1. In such a case Bidder can either source the FGD System (Absorber) from such manufacturer or manufacture/ get manufactured the FGD System as per the design and manufacturing drawings released by such QFGDM and the remaining plant can be executed by the Bidder on its own.
9.	Item no. 1.3.3 of Section I (NIT) of Volume I	The Bidder shall furnish a Deed of Joint Undertaking (DJU) executed by it and the QFGDM, in which the executants of DJU shall be jointly and severally liable to the Employer for successful performance of the FGD System including meeting the technical guarantees. The DJU shall be submitted along with Techno-Commercial bid, failing which the Bidder shall be disqualified and its bid shall be rejected.	The Bidder shall furnish a Deed of Joint Undertaking (DJU) executed by it and the QFGDM, in which the executants of DJU shall be jointly and severally liable to the Employer for successful performance of the FGD System including meeting the technical guarantees.
10.	Item no. 1.3.4 of Section I (NIT) of Volume I	In case of award of a project, the QFGDM will be required to furnish an on demand bank guarantee for an amount of 5% of the total Contract Price of the Flue Gas Desulfurization System Package in addition to the Contract Performance Bank Guarantee to be furnished by the Bidder.	In case of award of a project, the Bidder will be required to furnish an on-demand bank guarantee for an amount of 5% of the total Contract Price of the Flue Gas Desulfurization System Package and the Technology provider for FGD system shall also submit additional Performance Bank Guarantee for an amount of 5% of the total contract price.
11.	Item No. 10 of Section V (BDS) of Volume I	Time Schedule The scope of work mentioned in the Bidding Document is to be completed on or before September 30, 2024. 	Time Schedule The scope of work mentioned in the Bidding Document is to be completed on or before June 30, 2025.
12.	Item no. 35.2 of Section II (ITB) of Volume I	In case Deed(s) of Joint Undertaking by the Contractor along with all the executants including associate(s)/ collaborator(s)/ promoter(s) form part of the Contract, then, unconditional Bank Guarantee(s) from such executants towards faithful performance of the Deed(s) of Joint Undertaking for amount(s) specified in Clause 14.5.1 of Section III	In case Deed(s) of Joint Undertaking by the Contractor along with all the executants including associate(s)/ collaborator(s)/ promoter(s) form part of the Contract, then, the Contractor shall furnish an unconditional Bank Guarantee for five percent (5%) of Contract Price and an additional unconditional Bank Guarantee(s) from such executants towards faithful performance of the Deed(s) of Joint Undertaking for

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		(GCC), Volume I of Bidding Document shall be furnished within fifteen (15) days after Notification of Award.	amount(s) specified in Clause 14.5.1 of Section III (GCC), Volume I of Bidding Document shall be furnished within fifteen (15) days after Notification of Award.																				
13.	Item No. 14.5.1 of Section III (GCC) of Volume I	In addition to the Contract performance securities furnished by the successful Bidder, the collaborator(s)/ associate(s) of the successful Bidder shall furnish, within thirty (30) days of the Letter of Award, separate unconditional irrevocable Bank Guarantee(s) as per format in Section-VI "Forms and Procedures", Volume I of Bidding document in favour of the Employer/ Purchaser towards faithful performance of the Deed(s) of Joint Undertaking for 2% of Total Contract Value, as the case may be, as specified in the 'Pre- Qualifying Requirements' and valid for a period up to 90 days beyond the 'Defect Liability Period' under the contract. However, in case of delayed defect liability period, the validity of Bank Guarantee(s) submitted towards faithful performance of Deed(s) of Joint Undertaking, shall be extended by such period of delay.	In addition to the Contract performance securities furnished by the successful Bidder, the collaborator(s)/ associate(s) of the successful Bidder shall furnish, within thirty (30) days of the Letter of Award, separate unconditional irrevocable Bank Guarantee(s) as per format in Section-VI "Forms and Procedures", Volume I of Bidding document in favour of the Employer/ Purchaser towards faithful performance of the Deed(s) of Joint Undertaking for 5% (five percent) of Total Contract Value, as the case may be, as specified in the 'Pre- Qualifying Requirements' and valid for a period up to 90 days beyond the 'Defect Liability Period' under the contract. However, in case of delayed defect liability period, the validity of Bank Guarantee(s) submitted towards faithful performance of Deed(s) of Joint Undertaking, shall be extended by such period of delay.																				
14.	Item no. B. of Section I (NIT) of Volume I	<p>Schedule of Bid Activities:</p> <p>...</p> <p>The schedule of bid activities is as follows:</p> <table border="1" data-bbox="409 975 1249 1382"> <tr> <td>...</td> <td>...</td> </tr> <tr> <td>Date and time of closing the sale of Bidding Document:</td> <td>On October 27, 2022 at 16:00 hrs.</td> </tr> <tr> <td>Date of receipt of bid queries</td> <td>Latest by October 18, 2022</td> </tr> <tr> <td>Pre bid meeting</td> <td>Pre-Bid meeting already held on September 23, 2022</td> </tr> <tr> <td>Last date for receipt of Techno Commercial bid (Stage-I) and Price</td> <td>Till October 28, 2022 up to 13:00 hrs.</td> </tr> </table>	Date and time of closing the sale of Bidding Document:	On October 27, 2022 at 16:00 hrs.	Date of receipt of bid queries	Latest by October 18, 2022	Pre bid meeting	Pre-Bid meeting already held on September 23, 2022	Last date for receipt of Techno Commercial bid (Stage-I) and Price	Till October 28, 2022 up to 13:00 hrs.	<p>Schedule of Bid Activities:</p> <p>...</p> <p>The schedule of bid activities is as follows:</p> <table border="1" data-bbox="1276 975 2136 1382"> <tr> <td>...</td> <td>...</td> </tr> <tr> <td>Date and time of closing the sale of Bidding Document:</td> <td>On November 26, 2022 at 16:00 hrs.</td> </tr> <tr> <td>Date of receipt of bid queries</td> <td>Latest by November 18, 2022</td> </tr> <tr> <td>Pre bid meeting</td> <td>Pre-Bid meeting already held on September 23, 2022</td> </tr> <tr> <td>Last date for receipt of Techno Commercial bid (Stage-I) and Price</td> <td>Till November 28, 2022 up to 13:00 hrs.</td> </tr> </table>	Date and time of closing the sale of Bidding Document:	On November 26, 2022 at 16:00 hrs.	Date of receipt of bid queries	Latest by November 18, 2022	Pre bid meeting	Pre-Bid meeting already held on September 23, 2022	Last date for receipt of Techno Commercial bid (Stage-I) and Price	Till November 28, 2022 up to 13:00 hrs.
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S. No.	Reference	Existing Clause		Revised Clause	
		bid (Stage-II) in separate sealed envelope		bid (Stage-II) in separate sealed envelope	
		Schedule of Opening of Bids:		Schedule of Opening of Bids:	
		Stage – I (Techno-Commercial bid)	On October 28, 2022 at 15:00 hrs. ...	Stage – I (Techno-Commercial bid)	On November 28, 2022 at 15:00 hrs. ...
	
15.	Item No. 8 of Section V (BDS) of Volume I	<p>.....</p> <p>Deadline for submission of Hard copy of Documents Date & Time: 28.10.2022 up to 1300 hours (IST)</p> <p>.....</p> <p>The deadline for <u>Soft copy part of the bid</u> submission is Date & Time: 28.10.2022 up to 1300 hours (IST)</p> <p>Time and date for Bid Opening – First Envelope (Techno Commercial Bid): Date and Time: 28.10.2022 up to 1500 hours (IST)</p>		<p>.....</p> <p>Deadline for submission of Hard copy of Documents Date & Time: 28.11.2022 up to 1300 hours (IST)</p> <p>.....</p> <p>The deadline for <u>Soft copy part of the bid</u> submission is Date & Time: 28.11.2022 up to 1300 hours (IST)</p> <p>Time and date for Bid Opening – First Envelope (Techno Commercial Bid): Date and Time: 28.11.2022 up to 1500 hours (IST)</p>	