



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN - 04

Ref: PSER:SCT:IEL-M2202:TCN-04

Date : 01-04-2023

Sub	Tender Change Notice (TCN) - 04.	
Job	Erection, Testing, Commissioning of BTG Package (Boiler, Turbine, Generator & Electrical- C&I package) at 1x120 MW IEL (TATA) Jamshedpur project, Jharkhand.	
Ref	1.0	Tender no. PSER:SCT:IEL-M2202:23
	2.0	BHEL's NIT, vide reference no. PSER:SCT:IEL-M2202:9753 Date: 09-03-2023.
	3.0	BHEL's TCN-01, vide reference no. PSER:SCT:IEL-M2202:TCN-01 Date: 17-03-2023.
	4.0	BHEL's TCN-02, vide reference no. PSER:SCT:IEL-M2202:TCN-02 Date: 20-03-2023.
	5.0	BHEL's TCN-03, vide reference no. PSER:SCT:IEL-M2202:TCN-03 Date: 27-03-2023.
	6.0	Other References, if any.

With reference to above, following points/documents, relevant to tender, may please be noted and complied with while submitting the offer.

1. Revision/ Modification to tender clause(s) are attached at Annexure-A to TCN-04. Bidder to submit their offer accordingly.
2. Revised 'No deviation certificate' is attached. Bidder to submit 'No deviation certificate' as per attached format only.
3. All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,
for BHARAT HEAVY ELECTRICALS LTD.

Sr. Manager / (SCT)

Encl.: As Above.

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

POWER SECTOR EASTERN REGION, DJ-9/1, SALT LAKE CITY, KOLKATA - 700 091

फैक्स/Fax : (033) 23211960

फोन/Phone : बोर्ड/EPABX : (033) 2339 8000

FORMAT FOR NO DEVIATION CERTIFICATE
(To be submitted in the bidder's letter head)

BHARAT HEAVY ELECTRICALS LIMITED,
Power Sector - Eastern Region,
Plot no 9/1, DJ Block, Sector – II, Salt Lake City,
Kolkata – 700 091

Sub	No Deviation Certificate.	
Job	Erection, Testing, Commissioning of BTG Package (Boiler, Turbine, Generator & Electrical- C&I package) at 1x120 MW IEL (TATA) Jamshedpur project, Jharkhand.	
Ref	1.0	Tender no. PSER:SCT:IEL-M2202:23
	2.0	BHEL's NIT, vide reference no. PSER:SCT:IEL-M2202:9753 Date: 09-03-2023.
	3.0	BHEL's TCN-01, vide reference no. PSER:SCT:IEL-M2202:TCN-01 Date: 17-03-2023.
	4.0	BHEL's TCN-02, vide reference no. PSER:SCT:IEL-M2202:TCN-02 Date: 20-03-2023.
	5.0	BHEL's TCN-03, vide reference no. PSER:SCT:IEL-M2202:TCN-03 Date: 27-03-2023.
	6.0	BHEL's TCN-04, vide reference no. PSER:SCT:IEL-M2202:TCN-04 Date: 01-04-2023.
	7.0	All other pertinent issues till date.

Dear Sir/Madam,

With reference to above, this is to confirm that as per tender conditions, we have visited site before submission of our offer and noted the job content & site conditions etc. We also confirm that we have not changed/ modified the tender documents as appeared in the website/ issued by you and in case of such observance at any stage, it shall be treated as null and void.

We hereby confirm that we have not taken any deviation from tender clauses together with other references as enumerated in the above referred NIT. We hereby confirm our unqualified acceptance to all terms & conditions, unqualified compliance to technical specification, integrity pact (if applicable) and acceptance to reverse auctioning process.

In the event of observance of any deviation in any part of our offer at a later date whether implicit or explicit, the deviations shall stand null & void.

We confirm to have submitted/uploaded offer/documents in accordance with tender instructions with acceptance of the terms & conditions of the tender by us and as per aforesaid references.

Thanking you,

Yours faithfully,

(Signature, date & seal of authorized
representative of the bidder)

<u>Annexure-A to TCN-04</u>			
Job: Erection, Testing, Commissioning of BTG Package (Boiler, Turbine, Generator & Electrical- C&I package) at 1x120 MW IEL (TATA) Jamshedpur project, Jharkhand.			
Tender no. PSER:SCT:IEL-M2202:23.			
REVISION / MODIFICATION			
Sl. No	Reference Clause of Tender Document	Existing Provision	Revised/Modified Provision
1	Clause No 3.1 of Volume-IF (TCC-CML)	Erection, Testing, Commissioning of BTG Package (Boiler, Turbine, Generator & Electrical- C&I package) at 1x120 MW IEL (TATA) Jamshedpur project, Jharkhand which includes receipt of materials upon getting issued of the same from BHEL store, transportation of materials from the storage locations (inplant & external storage areas minimum 5 km distance from plant premises) to place of erection, storage as required prior to erection, erection, testing, commissioning, trial operation, PG test, Liquidation of Punch Points , handing over etc as per technical specifications and terms & conditions of tender taking into account all clarifications, confirmations and agreements till date for 1X120 MW BTG Package comprising of 2 nos 250TPH BFG/COG Fired Boiler & 01 no 120 MW STG with associated Electrical C& I systems at IEL, Jamshedpur Project.	Erection, Testing, Commissioning of BTG Package (Boiler, Turbine, Generator & Electrical- C&I package) at 1x120 MW IEL (TATA) Jamshedpur project, Jharkhand which includes receipt of materials upon getting issued of the same from BHEL store, transportation of materials from the storage locations (inplant & external storage areas approximate 4 km distance from plant premises) to place of erection, storage as required prior to erection, erection, testing, commissioning, trial operation, PG test, Liquidation of Punch Points , handing over etc as per technical specifications and terms & conditions of tender taking into account all clarifications, confirmations and agreements till date for 1X120 MW BTG Package comprising of 2 nos 250TPH BFG/COG Fired Boiler & 01 no 120 MW STG with associated Electrical- C& I systems at IEL, Jamshedpur Project.
2	Clause No 4.1.2.1.2 of Volume-IF (TCC-CML)	The scope of work includes receipt of material from in-plant storage yard as well as from outside storage yard (minimum 5 kms away from plant premises), handling, pre-assembly, preservation, erection and comissioning etc of following major system	The scope of work includes receipt of material from in-plant storage yard as well as from outside storage yard (approximate 4 kms away from plant premises), handling, pre-assembly, preservation, erection and commissioning etc of following major system
3	Clause No 4.2.1 of Volume-IF (TCC-CML)	The scope of services consists of installation of a steam turbine & its auxiliaries, generator & its auxiliaries, condenser, pumps, LP dosing, condenser on line tube cleaning system, Tanks, Integral piping, TG piping, insulation etc. of 1x120 MW capacity set. In general, the scope comprises receipt and unloading of STG set in rotor threaded-in condition at TG hall unloading bay by arranging suitable and safe unloading arrangement and its temporary storage and preservation, erection of Generator assembly through Strand Jack method where deployment of Strand Jack set and making necessary structural supporting for installation of Strand Jack set is in the scope of vendor (Capacity of TG Hall EOT crane is not suitable for lifting of Generator assembly however, it could be used for erection pupose other than generator assembly). The scope of work also covers re-handling, receipt from inplant stores and external storage yard (minimum 5 kms away from plant premises), transportation to TG hall / site of pre-assembly/ fabrication, site assembly, erection, Finish / preservation/touch up painting, site testing, insulation, commissioning, trial run, performance guarantee test and handing over to BHEL /Customer.	The scope of services consists of installation of a steam turbine & its auxiliaries, generator & its auxiliaries, condenser, pumps, LP dosing, condenser on line tube cleaning system, Tanks, Integral piping, TG piping, insulation etc. of 1x120 MW capacity set. In general, the scope comprises receipt and unloading of STG set in rotor threaded-in condition at TG hall unloading bay by arranging suitable and safe unloading arrangement and its temporary storage and preservation, erection of Generator assembly through Strand Jack method where deployment of Strand Jack set and making necessary structural supporting for installation of Strand Jack set is in the scope of vendor (Capacity of TG Hall EOT crane is not suitable for lifting of Generator assembly however, it could be used for erection purpose other than generator assembly). The scope of work also covers re-handling, receipt from inplant stores and external storage yard (approximate 4 kms away from plant premises), transportation to TG hall / site of pre-assembly/ fabrication, site assembly, erection, Finish / preservation/touch up painting, site testing, insulation, commissioning, trial run, performance guarantee test and handing over to BHEL /Customer.

<u>Annexure-A to TCN-04</u>			
Job: Erection, Testing, Commissioning of BTG Package (Boiler, Turbine, Generator & Electrical- C&I package) at 1x120 MW IEL (TATA) Jamshedpur project, Jharkhand.			
Tender no. PSER:SCT:IEL-M2202:23.			
REVISION / MODIFICATION			
Sl. No	Reference Clause of Tender Document	Existing Provision	Revised/Modified Provision
4	Clause No 4.3.1 of Volume-IF (TCC-CML)	<u>ELECTRICAL SYSTEM</u> The scope under this specification shall cover receipt of Electrical materials from inplant & external storage areas (minimum 5 km away from plant premises), shifting to position (place of erection), preservation/ conservation, fixing of supports as per requirement, pre-assembly, erection of equipment & support structures, leveling, alignment, testing, commissioning, calibration, trial operation, assistance to PG test, handing over the system to BHEL / customer.	<u>ELECTRICAL SYSTEM</u> The scope under this specification shall cover receipt of Electrical materials from inplant & external storage areas (approximate 4 km away from plant premises), shifting to position (place of erection), preservation/ conservation, fixing of supports as per requirement, pre-assembly, erection of equipment & support structures, leveling, alignment, testing, commissioning, calibration, trial operation, assistance to PG test, handing over the system to BHEL / customer.
5	Clause No 4.3.2 of Volume-IF (TCC-CML)	<u>C&I SYSTEM</u> The scope under this specification shall cover receipt of Electrical materials from inplant & external storage areas (minimum 5 km away from plant premises), shifting to position (place of erection), preservation/ conservation, fixing of supports as per requirement, pre-assembly, erection of equipment & support structures, leveling, alignment, testing, commissioning, calibration, trial operation, assistance to PG test, handing over the system to BHEL / customer.	<u>C&I SYSTEM</u> The scope under this specification shall cover receipt of Electrical materials from inplant & external storage areas (approximate 4 km away from plant premises), shifting to position (place of erection), preservation/ conservation, fixing of supports as per requirement, pre-assembly, erection of equipment & support structures, levelling, alignment, testing, commissioning, calibration, trial operation, assistance to PG test, handing over the system to BHEL / customer.
6	Volume-III (Price Schedule, Rev-00) Item Rate BOQ: Sl. No. 1, Item Description	Erection, Testing, Commissioning of BTG Package (Boiler, Turbine, Generator & Electrical- C&I package) at 1x120 MW IEL (TATA) Jamshedpur project which includes receipt of materials upon getting issued of the same from BHEL store, transportation of materials from the storage locations (inplant & external storage areas minimum 5 km distance from plant premises) to place of erection, storage as required prior to erection, erection, testing, commissioning, trial operation, PG test, Liquidation of Punch Points , handing over etc as per technical specifications and terms & conditions of tender taking into account all clarifications, confirmations and agreements till date for 1X120 MW BTG Package comprising of 2 nos 250TPH BFG/COG Fired Boiler & 01 no 120 MW STG with associated Electrical- C& I systems at IEL,Jamshedpur Project, Jharkhand.	Erection, Testing, Commissioning of BTG Package (Boiler, Turbine, Generator & Electrical- C&I package) at 1x120 MW IEL (TATA) Jamshedpur project which includes receipt of materials upon getting issued of the same from BHEL store, transportation of materials from the storage locations (inplant & external storage areas approximate 4 km distance from plant premises) to place of erection, storage as required prior to erection, erection, testing, commissioning, trial operation, PG test, Liquidation of Punch Points , handing over etc as per technical specifications and terms & conditions of tender taking into account all clarifications, confirmations and agreements till date for 1X120 MW BTG Package comprising of 2 nos 250TPH BFG/COG Fired Boiler & 01 no 120 MW STG with associated Electrical- C& I systems at IEL,Jamshedpur Project, Jharkhand.
7	Volume-III (Price Schedule, Rev-00) SCH-1-TOTAL PRICE: Sl. No. 1.0, DESCRIPTION OF EQUIPMENT/ITEM	Erection, Testing, Commissioning of BTG Package (Boiler, Turbine, Generator & Electrical- C&I package) at 1x120 MW IEL (TATA) Jamshedpur project which includes receipt of materials upon getting issued of the same from BHEL store, transportation of materials from the storage locations (inplant & external storage areas minimum 5 km distance from plant premises) to place of erection, storage as required prior to erection, erection, testing, commissioning, trial operation, PG test, Liquidation of Punch Points , handing over etc as per technical specifications and terms & conditions of tender taking into account all clarifications, confirmations and agreements till date for 1X120 MW BTG Package comprising of 2 nos 250TPH BFG/COG Fired Boiler & 01 no 120 MW STG with associated Electrical- C& I systems at IEL,Jamshedpur Project, Jharkhand.	Erection, Testing, Commissioning of BTG Package (Boiler, Turbine, Generator & Electrical- C&I package) at 1x120 MW IEL (TATA) Jamshedpur project which includes receipt of materials upon getting issued of the same from BHEL store, transportation of materials from the storage locations (inplant & external storage areas approximate 4 km distance from plant premises) to place of erection, storage as required prior to erection, erection, testing, commissioning, trial operation, PG test, Liquidation of Punch Points , handing over etc as per technical specifications and terms & conditions of tender taking into account all clarifications, confirmations and agreements till date for 1X120 MW BTG Package comprising of 2 nos 250TPH BFG/COG Fired Boiler & 01 no 120 MW STG with associated Electrical- C& I systems at IEL,Jamshedpur Project, Jharkhand.

<u>Annexure-A to TCN-04</u>			
Job: Erection, Testing, Commissioning of BTG Package (Boiler, Turbine, Generator & Electrical- C&I package) at 1x120 MW IEL (TATA) Jamshedpur project, Jharkhand.			
Tender no. PSER:SCT:IEL-M2202:23.			
REVISION / MODIFICATION			
Sl. No	Reference Clause of Tender Document	Existing Provision	Revised/Modified Provision
8	Volume-III (Price Schedule, Rev-00) SCH-2-BREAK UP OF TOTAL PRICE: Sl. No. 1.0, DESCRIPTION	Erection, Testing, Commissioning of BTG Package (Boiler, Turbine, Generator & Electrical- C&I package) at 1x120 MW IEL (TATA) Jamshedpur project which includes receipt of materials upon getting issued of the same from BHEL store, transportation of materials from the storage locations (inplant & external storage areas minimum 5 km distance from plant premises) to place of erection, storage as required prior to erection, erection, testing, commissioning, trial operation, PG test, Liquidation of Punch Points , handing over etc as per technical specifications and terms & conditions of tender taking into account all clarifications, confirmations and agreements till date for 1X120 MW BTG Package comprising of 2 nos 250TPH BFG/COG Fired Boiler & 01 no 120 MW STG with associated Electrical- C& I systems at IEL,Jamshedpur Project, Jharkhand.	Erection, Testing, Commissioning of BTG Package (Boiler, Turbine, Generator & Electrical- C&I package) at 1x120 MW IEL (TATA) Jamshedpur project which includes receipt of materials upon getting issued of the same from BHEL store, transportation of materials from the storage locations (inplant & external storage areas approximate 4 km distance from plant premises) to place of erection, storage as required prior to erection, erection, testing, commissioning, trial operation, PG test, Liquidation of Punch Points , handing over etc as per technical specifications and terms & conditions of tender taking into account all clarifications, confirmations and agreements till date for 1X120 MW BTG Package comprising of 2 nos 250TPH BFG/COG Fired Boiler & 01 no 120 MW STG with associated Electrical- C& I systems at IEL,Jamshedpur Project, Jharkhand.
9	Volume-III (Price Schedule, Rev-00) SCH-4-TG & Aux. Work: Sl. No. 1.0, DESCRIPTION	Installation of a steam turbine & its auxiliaries, generator & its auxiliaries, condenser, pumps, LP dosing, condenser on line tube cleaning system, Tanks, Integral piping, TG piping, insulation etc. of 1x120 MW capacity set. In general, the scope comprises receipt and unloading of STG set in rotor threaded-in condition at TG hall unloading bay by arranging suitable and safe unloading arrangement and its temporary storage and preservation, erection of Generator assembly through Strand Jack method where deployment of Strand Jack set and making necessary structural supporting for installation of Strand Jack set is in the scope of vendor (TG Hall EOT crane will not be provided for Generator lifting purpose). The scope of work also covers re-handling, receipt from inplant stores and external storage yard (approximate 6 kms away from plant premises), transportation to TG hall / site of pre-assembly/ fabrication, site assembly, erection, Finish / preservation/touch up painting, site testing, insulation, commissioning, trial run, performance guarantee test and handing over to BHEL /Customer.	Installation of a steam turbine & its auxiliaries, generator & its auxiliaries, condenser, pumps, LP dosing, condenser on line tube cleaning system, Tanks, Integral piping, TG piping, insulation etc. of 1x120 MW capacity set. In general, the scope comprises receipt and unloading of STG set in rotor threaded-in condition at TG hall unloading bay by arranging suitable and safe unloading arrangement and its temporary storage and preservation, erection of Generator assembly through Strand Jack method where deployment of Strand Jack set and making necessary structural supporting for installation of Strand Jack set is in the scope of vendor (TG Hall EOT crane will not be provided for Generator lifting purpose). The scope of work also covers re-handling, receipt from inplant stores and external storage yard (approximate 4 km away from plant premises), transportation to TG hall / site of pre-assembly/ fabrication, site assembly, erection, Finish / preservation/touch up painting, site testing, insulation, commissioning, trial run, performance guarantee test and handing over to BHEL /Customer.