



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN - 01

Ref: PSER:SCT:SRG:T1613:TCN-01

Date: 6-11-2014

Sub	Tender change notice (TCN) 01.	
Job	TG PACKAGE A -Erection, Testing And Commissioning Of Steam Turbine & Its Auxiliaries, Generator & Its Auxiliaries, Condenser, Pumps, Dosing Systems (Lp, Oxygen, Naoh Etc.), Central Oil Purification System, Condenser On Line Tube Cleaning System, Plate Heat Exchangers, Integral Piping, Tg Piping, Cw Piping, Various Tg Aux And Misc Equipment Etc. Of U#7 And Various Common System Of U#7 &8' For Rrvunl, 2x660 Mw, Stage-V, Unit # 7 & 8 Suratgarh Super Critical Tps, Rajasthan.	
	TG PACKAGE B - 'Erection, Testing And Commissioning Of Steam Turbine & Its Auxiliaries, Generator & Its Auxiliaries, Condenser, Pumps, Dosing Systems (LP, Oxygen, Naoh Etc.), Condenser On Line Tube Cleaning System, Plate Heat Exchangers, Integral Piping, Tg Piping, Cw Piping, Various Tg Aux And Misc Equipment Etc. Of U#8 And Various Equipments Of Fire Protection Sys. Pkg Of The Plant For Rrvunl, 2x660 Mw , Stage-V, Unit # 7 & 8 Suratgarh Super Critical Tps, Rajasthan.	
Ref	1.0	Tender no PSER:SCT:SRG:T1613:14
	2.0	BHEL's NIT, vide reference no, PSER:SCT:SRG:T1613:14 dated 17-10-2014
	3.0	All other pertinent issues till date.

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

- 1.0 Due date of submission of offer is extended from **6/11/2014 to 13/11/14** at 1500 Hrs.
- 2.0 The clarifications to bidders queries are attached at **Annexure-A**.
- 3.0 Revised 'No deviation certificate' as per enclosed Annexure-2. Bidder shall submit no deviation certificate as per enclosed format only.
- 4.0 All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,
for BHARAT HEAVY ELECTRICALS LTD

DY MGR (SCT)

Encl

1.0 As above.

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

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

फैक्स/Fax : (033) 23211960

फोन/Phone : बोर्ड/EPABX : 23211691, 23211798, 23211796

ANNEXURE-A to TCN-01

TG PACKAGE A -'Erection, Testing And Commissioning Of Steam Turbine & Its Auxiliaries, Generator & Its Auxiliaries, Condenser, Pumps, Dosing Systems (Lp, Oxygen, Naoh Etc.), Central Oil Purification System, Condenser On Line Tube Cleaning System, Plate Heat Exchangers, Integral Piping, Tg Piping, Cw Piping, Various Tg Aux And Misc Equipment Etc. Of U#7 And Various Common System Of U#7 &8' For Rrvunl, 2x660 Mw, Stage-V, Unit # 7 & 8 Suratgarh Super Critical Tps, Rajasthan.

TG PACKAGE B - 'Erection, Testing And Commissioning Of Steam Turbine & Its Auxiliaries, Generator & Its Auxiliaries, Condenser, Pumps, Dosing Systems (Lp, Oxygen, Naoh Etc.), Condenser On Line Tube Cleaning System, Plate Heat Exchangers, Integral Piping, Tg Piping, Cw Piping, Various Tg Aux And Misc Equipment Etc. Of U#8 And Various Equipments Of Fire Protection Sys. Pkg Of The Plant For Rrvunl, 2x660 Mw , Stage-V, Unit # 7 & 8 Suratgarh Super Critical Tps, Rajasthan.

Tender no. PSER:SCT:SRG:T1613:14

Sl No.	Reference clause of Tender Document	Existing provision	Bidder's Query	BHEL's clarification
1	Clause 30.0 of TCC	Generator Stator Unloading, lifting & placement to TG floor with the help of Strand-Jack".	<p>As per the above clause it is mentioned that Stator will be delivered either by Trailer or by Wagon. If Stator comes by Wagon Contractor has to be make necessary arrangements to transport the Stator to site.</p> <p>Since the shifting of stator by deploying required capacity Trailer involves huge expenses, we request your good selves to kindly clarify the delivery of Stator.</p>	<p>In case stator comes by wagon, Transportation of the same from railway siding to the Power House area near A-Row is excluded from the scope of the bidder.</p> <p>The contractor shall receive the stator consignment near A-Row in Power House area.</p>

ANNEXURE-A to TCN- 01

TG PACKAGE A -‘Erection, Testing And Commissioning Of Steam Turbine & Its Auxiliaries, Generator & Its Auxiliaries, Condenser, Pumps, Dosing Systems (Lp, Oxygen, Naoh Etc.), Central Oil Purification System, Condenser On Line Tube Cleaning System, Plate Heat Exchangers, Integral Piping, Tg Piping, Cw Piping, Various Tg Aux And Misc Equipment Etc. Of U#7 And Various Common System Of U#7 &8’ For Rrvunl, 2x660 Mw, Stage-V, Unit # 7 & 8 Suratgarh Super Critical Tps, Rajasthan.

TG PACKAGE B - ‘Erection, Testing And Commissioning Of Steam Turbine & Its Auxiliaries, Generator & Its Auxiliaries, Condenser, Pumps, Dosing Systems (Lp, Oxygen, Naoh Etc.), Condenser On Line Tube Cleaning System, Plate Heat Exchangers, Integral Piping, Tg Piping, Cw Piping, Various Tg Aux And Misc Equipment Etc. Of U#8 And Various Equipments Of Fire Protection Sys. Pkg Of The Plant For Rrvunl, 2x660 Mw , Stage-V, Unit # 7 & 8 Suratgarh Super Critical Tps, Rajasthan.

Tender no. PSER:SCT:SRG:T1613:14

2	Clause 31.0 of TCC	The contractor shall make arrangement to unload Generator Rotor, LP Rotor, HP Turbine, IP Turbine, LPC inner-outer upper half, LPC inner casing assembly (LH) and Brushless Exciter directly from the trailer /wagon [inside project premises] and transport the same to stores/place of work etc. as directed by Engineer. Subsequent re-handling, if required will also be under the scope of work. Detailed weight schedule is as per appendix – II. Necessary Cranes, as required for this shall be provided by BHEL free of cost.		Shall be as per tender
3	. Refer clause no.11.5 (Page#66 Vol.-IF),	Over Run Charges (ORC)	The ORC (Minimum & maximum) is reduced to half the amount as compared to other regions of BHEL tender norms (NR, SR, WR). GCC & SCC conditions should be common & applicable for all regions of BHEL. Please explain?	Shall be as per tender
4	Refer clause no.11.6 (Page#66 Vol.-IF),	PVC is not applicable	For the extended contract period (if any) for no fault of contractor, PVC should be applicable after scheduled completion date.	Shall be as per tender
5	Refer clause no.11.7 (Page#66 Vol.-IF	IBRA is not applicable	Without advance clause it is very difficult to execute the contractual obligations like generator stator lifting, make two portable offices, arrange containers for TG integral piping storage, supply grouting cement, paints etc. IBRA shall be made applicable.	Shall be as per tender

ANNEXURE-A to TCN-01

TG PACKAGE A - 'Erection, Testing And Commissioning Of Steam Turbine & Its Auxiliaries, Generator & Its Auxiliaries, Condenser, Pumps, Dosing Systems (Lp, Oxygen, Naoh Etc.), Central Oil Purification System, Condenser On Line Tube Cleaning System, Plate Heat Exchangers, Integral Piping, Tg Piping, Cw Piping, Various Tg Aux And Misc Equipment Etc. Of U#7 And Various Common System Of U#7 &8' For Rrvunl, 2x660 Mw, Stage-V, Unit # 7 & 8 Suratgarh Super Critical Tps, Rajasthan.

TG PACKAGE B - 'Erection, Testing And Commissioning Of Steam Turbine & Its Auxiliaries, Generator & Its Auxiliaries, Condenser, Pumps, Dosing Systems (Lp, Oxygen, Naoh Etc.), Condenser On Line Tube Cleaning System, Plate Heat Exchangers, Integral Piping, Tg Piping, Cw Piping, Various Tg Aux And Misc Equipment Etc. Of U#8 And Various Equipments Of Fire Protection Sys. Pkg Of The Plant For Rrvunl, 2x660 Mw , Stage-V, Unit # 7 & 8 Suratgarh Super Critical Tps, Rajasthan.

Tender no. PSER:SCT:SRG:T1613:14

6	VOL-1F	Generator Stator lifting activity	There should be separate payment terms for engaging the specialized agency, because agencies payment terms are (i) advance (30%) along with WO, (ii) 45% immediately after mobilization of their men & materials at site, (iii) balance 25% immediately after lifting & placement of stator on foundation. This activity is an additional financial burden on erection contractor. Hence we request BHEL to directly place order on specialized agency for captioned services.	Shall be as per tender
7	Refer clause no.4.4.4 (Page#16 of Vol.-IF TCC),	Preparation of foundation & grouting	The special cementitious fluid grouts material required to be used for installation of BHEL/Siemens steam turbines, generators and gear units etc. is indicated in Annexure-1A including their details of their suppliers. Annexure-1A is not traceable in tender specification, BHEL to furnish Annexure-1A.	This para of 'Clause 4.4.4 of TCC' stands cancelled.
8	Refer Vol. II Appendix V (Page#76 of Vol.-IF TCC),	Tools & Plants Sr. No.110 PMI m/c (1 no.) to be provided by bidder	We request BHEL to provide the same on free of charges on returnable basis.	Shall be as per tender
9	Vol. II Appendix V (Page#76 of Vol.-IF TCC	Tools & Plants Sr. No.112 & 113	20 HP Diesel Pumps & Electric Pumps (2 nos. each) are in bidder's scope for dewatering. We will be able to provide only electric pumps (2nos.) as & when required. 20 HP Diesel Pumps (if required) shall be provided by BHEL on free of charges on returnable basis.	Shall be as per tender
10	Refer Vol. II Appendix V (Page#74 of Vol.-IF	Tools & Plants	HV Test Kit (up to 50 KV DC) shall be provided by BHEL on free of charges on returnable basis.	Shall be as per tender

ANNEXURE-A to TCN-01

TG PACKAGE A - 'Erection, Testing And Commissioning Of Steam Turbine & Its Auxiliaries, Generator & Its Auxiliaries, Condenser, Pumps, Dosing Systems (Lp, Oxygen, Naoh Etc.), Central Oil Purification System, Condenser On Line Tube Cleaning System, Plate Heat Exchangers, Integral Piping, Tg Piping, Cw Piping, Various Tg Aux And Misc Equipment Etc. Of U#7 And Various Common System Of U#7 &8' For Rrvunl, 2x660 Mw, Stage-V, Unit # 7 & 8 Suratgarh Super Critical Tps, Rajasthan.

TG PACKAGE B - 'Erection, Testing And Commissioning Of Steam Turbine & Its Auxiliaries, Generator & Its Auxiliaries, Condenser, Pumps, Dosing Systems (Lp, Oxygen, Naoh Etc.), Condenser On Line Tube Cleaning System, Plate Heat Exchangers, Integral Piping, Tg Piping, Cw Piping, Various Tg Aux And Misc Equipment Etc. Of U#8 And Various Equipments Of Fire Protection Sys. Pkg Of The Plant For Rrvunl, 2x660 Mw , Stage-V, Unit # 7 & 8 Suratgarh Super Critical Tps, Rajasthan.

Tender no. PSER:SCT:SRG:T1613:14

	TCC),	Sr. No.39		
11	Refer Vol. II Appendix VI (Page#78 of Vol.-IF TCC),	Sr. No.14 List Of Consumables To Be Provided By The Contractor Within Quoted Rates For Each 660 MW Unit.	Test pieces for welder's test at site is in bidder's scope. We request BHEL to provide required test pieces for welder's test free of cost.	Shall be as per tender

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	<p>TG PACKAGE A - 'Erection, Testing And Commissioning Of Steam Turbine & Its Auxiliaries, Generator & Its Auxiliaries, Condenser, Pumps, Dosing Systems (Lp, Oxygen, Naoh Etc.), Central Oil Purification System, Condenser On Line Tube Cleaning System, Plate Heat Exchangers, Integral Piping, Tg Piping, Cw Piping, Various Tg Aux And Misc Equipment Etc. Of U#7 And Various Common System Of U#7 &8' For Rrvunl, 2x660 Mw, Stage-V, Unit # 7 & 8 Suratgarh Super Critical Tps, Rajasthan.</p> <p>TG PACKAGE B - 'Erection, Testing And Commissioning Of Steam Turbine & Its Auxiliaries, Generator & Its Auxiliaries, Condenser, Pumps, Dosing Systems (Lp, Oxygen, Naoh Etc.), Condenser On Line Tube Cleaning System, Plate Heat Exchangers, Integral Piping, Tg Piping, Cw Piping, Various Tg Aux And Misc Equipment Etc. Of U#8 And Various Equipments Of Fire Protection Sys. Pkg Of The Plant For Rrvunl, 2x660 Mw , Stage-V, Unit # 7 & 8 Suratgarh Super Critical Tps, Rajasthan.</p>	
Ref	1.0	Tender no PSER:SCT:SRG:T1613:14
	2.0	BHEL's NIT, vide reference no. PSER:SCT:SRG:T1613:14 dated 17-10-2014
	3.0	BHEL's TCN-01, vide reference no PSER:SCT:SRG:T1613 :TCN-01, dated 6-11-2014
	4.0	All other pertinent issues till date

Dear Sirs,

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 offer in accordance with tender instructions and as per aforesaid references.

Thanking you,

Yours faithfully,

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

पावर सेक्टर पूर्वी क्षेत्र (मुख्यालय)

POWER SECTOR EASTERN REGION DJ-9/1, SECTOR-II, SALTLAKE CITY, KOLKATA - 700 091

फैक्स/Fax : (033) 23211960

फोन/Phone : बोर्ड/EPABX : 23211691, 23211798, 23211796