



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

(भारत सरकार का उपक्रम)

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

TCN - 01

Ref: PSER:SCT:RKA-T1409:TCN-01

Date: 01-11-2012

Sub	Tender change notice (TCN) 01.	
Job	Erection Testing and Commissioning including Material Handling, Electrical and C&I job etc of 1x21 MW GTG (Frame-V) with all accessories for TSECL, Rokhia, Tripura.	
Ref	1.0	Tender no PSER:RKA-T1409:12.
	2.0	BHEL's NIT, vide reference no PSER:SCT:RKA-T1409:3000, dated 18-10-2012.
	3.0	Other references (if any).

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

- 1.0 Amendment/modification to tender as per enclosed Annexure-A. The price schedule, Volume-III, REV-01 has also been attached with Annexure-A.
- 2.0 The details of contact officials for queries/ seeking clarification etc shall be as per below:

Agency	Contact details	
BHEL, PSER, Kolkata	Address	DJ-9/1, Sector – II, Salt Lake, Kolkata – 700 091
	Phone no	033-23211798 (D)/ 1691. EPABX – 23216130, 34, 35; Extn – 3223/ 3228/ 3229/ 3230/ 3231/3237
	FAX no	033-23211960
	E-mail	sganguly@bhelpser.co.in ; k.anish@bhelpser.co.in ;

- 3.0 Revised 'No deviation certificate' as per enclosed Annexure-2. Bidder to submit 'No deviation certificate' as per attached format only.
- 4.0 All other terms & conditions shall remain unchanged.

Thanking you,

Yours faithfully,
for BHARAT HEAVY ELECTRICALS LTD

ENGR (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 : 23211798/ 1691

JOB	Erection, Testing, Commissioning, etc. of GTG Package including material handling, Electrical and C&I work etc for 1X21 MW Unit #9, Gas Thermal Power Project, Rokhia
TENDER NO	PSER:SCT:RKA-T1409:12

SL NO	AMENDMENT/ MODIFICATION	
1.0	VOLUME-IF-TS-R-00	
1.1	Clause no 3.20 of VOLUME-IF-TS-R-00 stands revised as under.	
	Cl.no. 3.20	DRY TYPE UNIT AUXILIARY TRANSFORMER
	Cl.No.3.20.1	This is air cooled housed in enclosure, with all embedded temperature element and associated controllers, temperature indicator cum switch.
	Cl.No.3.20.2	Leveling & alignment shall be under the scope of the contractor.
	Cl.No.3.20.3	Removal, calibration, installation, testing, commissioning of temperature controller and switch shall also be under the scope of the contractor for which the contractor shall not claim any extra cost separately.
	Cl.No.3.20.4	Any loose component/ bus bars are to be assembled by the contractor without any extra cost
	Cl.No.3.20.5 to 3.20.14	Stands Deleted
	Cl.No.3.22.4	The clause stands modified as under: The quantities of various items of BOQ are approximate and may vary to any extent or deleted altogether. The quoted rates of each item will remain firm as long as variation in total value of work executed under any part of the contract including extra items, if any, but excluding PVC, remain within (+/-) 15% of tendered value.
2.0	VOLUME-IIIA	The Price schedule, Volume-IIIA, REV-00 has been superseded by price Schedule, Volume-IIIA, REV-01 and attached herewith.. <i>Bidders to quote as per this Price Schedule, REV-01 only. Price quoted as per earlier schedule will not be accepted.</i>
2.0	All other terms & conditions shall remain unchanged.	

**VOLUME-III A
PRICE SCHEDULE, REV-01**

**ERECTION TESTING & COMMISSIONING INCLUDING MATERIAL HANDLING, ELECTRICAL AND C & I JOB
ETC OF 1X21 MW GTG (FRAME-V) WITH ALL ACCESSORIES AT TSECL, ROKHIA, TRIPURA**

TENDER NO - PSER:SCT:RKA:T1409:12

PREAMBLE

1.0	This preamble forms part of tender document and schedule of items. The tenderer should read this preamble carefully in rates for various items. Clauses under this preamble shall be read in conjunction with various volumes of tender as per NIT including all volumes together with subsequent changes/ modifications etc thereto as applicable as on date of submission of price offer.
2.0	The work shall be carried out strictly as per specifications, description of the items in these schedule and / or engineer's instructions.
3.0	Items of work provided in this schedule but not covered in this specification shall be executed strictly as per instruction of the engineer.
4.0	Unless specifically mentioned otherwise in the tender document, the tenderer shall quote for the finished items and shall provide for the complete cost towards power, fuel, tools, tackles, equipment, constructional plants, temporary works, labour, dismantling of all temporary piping, structures, valves, pumps, tanks & other misc. equipment, strengthening of roads/culverts/bridges etc. including arranging all clearances etc. required for carrying out different activities & tests, materials, levies, taxes, transport, layout, repairs, rectification, maintenance till handing over, supervisions, colonies, shops, establishments, overheads, profits and all incidental items not specifically mentioned but reasonably implied and necessary to complete the work according to the tender document and this schedule.
5.0	Unless otherwise specified & except for tender on lumpsum basis, for all item rate based tenders, the quantities of the various items mentioned in price schedule are approximate, based on very preliminary information and may vary to any extent or to be deleted altogether. The quoted/ accepted rates shall remain firm and valid as long as variation in total value of work executed under this contract including extra items, but excluding any price escalation, remains within +/- 15% (Fifteen percent) of the contract price given in the LOI/ WO.
6.0	The rates quoted shall be inclusive of cleaning of site of any vegetation, dressing and leveling etc including fixing of grid pillars, benchmarks etc required for commencement of site activities. No separate payment will be made towards the same.
7.0	Rates shall be quoted in figures and in words in clear legible writing. No overwriting is allowed. All scoring and cancellations should be countersigned and in case of illegibility the interpretation of engineer shall be final. All entries shall be in English language.
8.0	All works item wise shall be measured upon completion and paid for at the rates quoted and accepted.
9.0	The tenderer shall be deemed to have studied the specifications, details of work to be done within the time schedule attached and to have acquainted himself of the conditions prevailing at site.
10.0	Engineer's decision shall be final and binding on the contractor regarding clarification of items in the schedule with respect to the other sections/volumes of the contract.

VOLUME-III PRICE SCHEDULE, REV-01		
ERECTION TESTING & COMMISSIONING INCLUDING MATERIAL HANDLING, ELECTRICAL AND C & I JOB ETC OF 1X21 MW GTG (FRAME-V) WITH ALL ACCESSORIES AT TSECL, ROKHIA, TRIPURA		
TENDER NO - PSER:SCT:RKA:T1409:12		
SCH-1 - TOTAL PRICE		
SL NO	PACKAGE	AMOUNT (In Rs)
1.0	TOTAL PRICE OF PART-A (MATERIAL HANDLING ON UNIT RATE BASIS)	
2.0	TOTAL PRICE OF PART B (E&C OF GTG ON LUMP-SUM BASIS)	
3.0	TOTAL PRICE OF PART-C (E&C OF ELECTRICAL AND CONTROL & INSTRUMENTATION ON UNIT RATE BASIS)	
4.0	GRAND TOTAL PRICE (PART-A+PART-B+PART-C)	
NOTE		
1.0	Bidder's quoted total price at SL NO 4.0 above shall be taken into account for evaluation and awarding and hence, shall be complete in all respect for the full scope defined in specification and in accordance with all terms & conditions of tender.	
2.0	Bidder shall quote rate/ price for Part-A,Part-B and Part- C	
3.0	Price format shall not be changed by bidder in any case, since it may lead to cancellation of offer.	

VOLUME-III PRICE SCHEDULE, REV-01					
ERECTION TESTING & COMMISSIONING INCLUDING MATERIAL HANDLING, ELECTRICAL AND C & I JOB ETC OF 1X21 MW GTG (FRAME-V) WITH ALL ACCESSORIES AT TSECL, ROKHIA, TRIPURA					
TENDER NO - PSER:SCT:RKA-T1409:12					
PART-A OF VOLUME-III					
SL. NO.	DESCRIPTION OF WORK	UNIT OF MEASUREMENT	QUANTITY	UNIT RATE (IN RS.)	TOTAL PRICE(IN RS.)
1.0	Receipt /Taking delivery of material, unloading from Trucks/Trailers etc. at BHEL Rokhia site at stores/store yard/premises, shifting, re-shifting, transportation, stacking, re-stacking including verification at site stores/storage yard etc. as directed by BHEL engineer and as per Scope given in tender specification for each item as given below:				
1.1	EQUIPMENT/ITEMS				
1.1.1	0-10 MT	MT	200		
1.1.2	above 10 MT	MT	150		
1.2	Material Re-shifting	MT	50		
1.3	Material Re-stacking	MT	150		
1.4	Average single man-hour rate including overtime, if any, supervision, use of required tools and tackles and other site expenses and incidentals excluding consumables / preservatives for carrying out upkeepment / preservation/ conservation work as per instruction of BHEL.	Man-hour	500		
				TOTAL (Rs.)	

NOTE:	Bidder to note the following for quoting their rates:
1.0	RE-SHIFTING: If during execution of work, any material which is already unloaded, verified, stacked at store yard/store/work site as per instruction and satisfaction of BHEL site authority, needs to be re-handled/re-shifted beyond 250 mtrs. at any other place within project premises, all the relevant activities for above shall be termed as RE-SHIFTING which will be paid as per the Rate Schedule.
2.0	RE-STACKING: If during execution of work, any material which is already unloaded, verified, stacked at store yard/store/work site as per instruction and satisfaction of BHEL site authority, needs to be re-handled/re-shifted within 250 mtrs. and re-stacked at any other place within identified premises, all the relevant activities for above shall be termed as RE-STACKING which will be paid as per the Rate Schedule.
3.0	Some of the consignments may have to be unloaded if reached before Vendor's mobilisation to site. Scope and cost of these consignments shall accordingly be adjusted as per the quoted rate of the successful bidder.

VOLUME-III PRICE SCHEDULE, REV-01		
ERECTION TESTING & COMMISSIONING INCLUDING MATERIAL HANDLING, ELECTRICAL AND C & I JOB ETC OF 1X21 MW GTG (FRAME-V) WITH ALL ACCESSORIES AT TSECL, ROKHIA, TRIPURA		
TENDER NO - PSER:SCT:RKA:1409:12		
PART-B OF VOLUME-III		
SL. NO.	DESCRIPTION	LUMPSUM PRICE IN RUPEES (In figures & words)
1.0	Providing required manpower including supervision, T&Ps and consumables for receipt of materials from stores/yard, arranging their issue, transportation to site, temporary storage prior to erection, if required, cleaning, preservation including touch up painting, stacking, watch & ward, checking, chipping and leveling of foundations, if required, pre-assembly, erection, alignment, grouting, welding, leveling, adjustment, heat-treatment, radiography, LPI/MPI testing wherever required, welding of hooks, seal-plates etc., hydraulic test, thermal insulation, finish painting including supply of paints etc., chemical cleaning, all pre-commissioning tests, start-up and trial run of individual equipment, final commissioning, trial run and full load operation of 1x21 MW BHEL make Frame-V GTG set with all the accessories at Rokhia ,Tripura.as enumerated in detail the tender specification.	

**VOLUME-III
PRICE SCHEDULE, REV-01**

**ERECTION TESTING & COMMISSIONING INCLUDING MATERIAL HANDLING, ELECTRICAL AND C & I JOB ETC OF 1X21 MW
GTG (FRAME-V) WITH ALL ACCESSORIES AT TSECL, ROKHIA, TRIPURA**

TENDER NO - PSER:SCT:RKA:T1409:12

PART-C OF VOLUME-III

1.0	List Of Electrical Panels	Tentative Dimension (mmx mmx mm)	Quantity	Unit	Unit Rate (In Rs.)	Total (In Rs.)
1.1	Fire Protection Panel (GT)	700 x 700 x 1500	1	No.		
1.2	GT MCC	8860 x 944 x 2430	1	No.		
1.3	Float cum Boost Charger in full controlled thyristorised bridge rectifier configuration with off line boost charging	1300 x 800 x 1600	2	No.		
1.4	125V GT DCDB	3260 x 644 x 2430	1	No.		
1.5	GT Battery VRLA TYPE (180 cells)	1800 x 500 x 1500	1	No.		
	Dual FCBC 125V DC 110A with cell booster					
1.6	Hazardous Gas Monitor	161 x 361 x 177.8	1 No.	No.		
1.7	Mark- VI Panel	1372 x 508 x 2286	1	No.		
1.8	Station with CPU, Printer	1200 x 1200 x 750	1	No.		
1.9	Aux. Control Panel	1000 x 915 x 2425	1 No.	No.		
1.10	Battery Charger	834 x 620 x 2030	1	No.		
1.11	UAT Panel	As available at Site	1	No.		
1.12	Generator Control Panel	As available at Site	1	No.		
1.13	110V DCDB	1660 x 644 x 2430	1	No.		
1.14	380kVA DG set with AMF panel & all accessories	4000 x 1200 x 1900	1	Set		
1.15	Local Control station	280 x 80 x 290	1	Set		
1.15.1	Start/Stop PB station without Ammeters		1	No.		
1.17	Buried & Surface Earthing					
1.17.1	75 mm x 10 mm GI Strip	75 mm x 10 mm	2500	Mtr		
1.17.2	50 mm x 6 mm GI Strip	50 mm x 6 mm	2000	Mtr		
1.17.3	35 mm x 6 mm GI Strip	35 mm x 6 mm	500	Mtr		
1.17.4	25mm x 6 mm GI Strip	25 mm x 6 mm	500	Mtr		
1.17.5	8 SWG GI Wire	8 SWG	500	Mtr		
1.17.6	16 SWG GI Wire	16 SWG	500	Mtr		
1.17.7	65 mm dia, 3 Mtr GI pipe electrode.	40 mm dia	20	Nos.		
1.17.8	Vertical Air Termination Rod		4	Nos.		
1.17.9	Copper Pipe electrode		20	Nos.		
1.18	Gen. Circuit breaker	As available at Site	3	Nos.		
1.19	UAT Circuit breaker	As available at Site	3	Nos.		
1.20	Gen Control – Synchronization Panel	As available at Site	1	No.		
1.21	2 kVA UPS Control Panel	As available at Site	1	No.		
1.22	CO2 Fire fighting System		1	Set		
1.23	Air Drying Unit Without cooler		1	Set		
1.24	Fin tube air cooler 90-10 Cu Ni /Al fins		1	Set		
2.0	List Of Power/Control/Signal Cables	Size	Quantity	Unit		
2.1	Copper, PVC/FRLS Signal Cable	12 P x0.5 sqmm	2500	Mtr		
2.2	Copper, PVC/FRLS Signal Cable	6P x0.5 sqmm	3000	Mtr		
2.3	Copper, PVC/FRLS Signal Cable	1P x1.5 sqmm	3600	Mtr		
2.4	Copper, PVC/FRLS Signal Cable	12P x 1.5 sqmm	1000	Mtr		
2.5	Copper, PVC/FRLS Signal Cable	6P x 1.5 sqmm	1000	Mtr		

**VOLUME-III
PRICE SCHEDULE, REV-01**

**ERECTION TESTING & COMMISSIONING INCLUDING MATERIAL HANDLING, ELECTRICAL AND C & I JOB ETC OF 1X21 MW
GTG (FRAME-V) WITH ALL ACCESSORIES AT TSECL, ROKHIA, TRIPURA**

TENDER NO - PSER:SCT:RKA:T1409:12

PART-C OF VOLUME-III

1.0	List Of Electrical Panels	Tentative Dimension (mmx mmx mm)	Quantity	Unit	Unit Rate (In Rs.)	Total (In Rs.)
2.6	6 Triad 11 kV Aluminium Cond. XLPE Insulated, FRLS	6 T x 1.5 mm ²	500	Mtr		
2.7	11KV(UE), Aluminium conductor XLPE Insulated, FRLS outer sheathed Armoured cable	1 C x 120 sqmm	500	Mtr		
2.8	11KV(UE), Aluminium conductor XLPE Insulated, FRLS outer sheathed Armoured cable	1 C x 240 sqmm	3000	Mtr		
2.9	1.1KV, Copper Conductor PVC Insulated, FRLS outer sheathed Armoured cable	1 C x 6 sqmm	500	Mtr		
2.10	1.1KV, Copper Conductor PVC Insulated, FRLS outer sheathed Armoured cable	1 C x 35 sqmm	1000	Mtr		
2.11	1.1KV, Copper Conductor PVC Insulated, FRLS outer sheathed Armoured cable	1C x150 sqmm	1000	Mtr		
2.12	11KV(UE), Aluminium conductor XLPE Insulated, FRLS outer sheathed Armoured cable	1 C x 630 sqmm	3000	Mtr		
2.13	1.1KV, Aluminium Conductor PVC Insulated, FRLS outer sheathed Armoured cable	3.5 C X 300 mm ²	3000	Mtr		
2.14	1.1KV, Aluminium Conductor PVC Insulated, FRLS outer sheathed Armoured cable	3.5 C X 50 mm ²	2000	Mtr		
2.15	Screened Copper Cable	2 C x 0.75 sqmm	200	Mtr		
2.16	1.1KV, Copper Conductor PVC Insulated, FRLS outer sheathed Armoured cable	3 C x 2.5mm ²	12000	Mtr		
2.17	1.1KV, Copper Conductor PVC Insulated, FRLS outer sheathed Armoured cable	3 C x 4 sqmm	800	Mtr		
2.18	1.1KV, Copper Conductor PVC Insulated, FRLS outer sheathed Armoured cable	3 C x 6 sqmm	2500	Mtr		
2.19	1.1KV, Copper Conductor PVC Insulated, FRLS outer sheathed Armoured cable	3 C x 10 sqmm	1500	Mtr		
2.20	1.1KV, Aluminium Conductor PVC Insulated, FRLS outer sheathed Armoured cable	3 C x 35 sqmm	1500	Mtr		
2.21	1.1KV, Aluminium Conductor PVC Insulated, FRLS outer sheathed Armoured cable	3 C x 70 sqmm	1500	Mtr		
2.22	1.1KV, Aluminium Conductor PVC Insulated, FRLS outer sheathed Armoured cable	3 C x 95 sqmm	500	Mtr		
2.23	1.1KV, Copper Conductor PVC Insulated, FRLS outer sheathed Armoured cable	4 C x 16 sqmm	3000	Mtr		
2.24	1.1KV, Copper Conductor PVC Insulated, FRLS outer sheathed Armoured cable	5 C x 2.5 sqmm	3000	Mtr		
2.25	1.1KV, Copper Conductor PVC Insulated, FRLS outer sheathed Armoured cable	10 C x2.5 sqmm	5000	Mtr		
2.26	1.1KV, Copper Conductor PVC Insulated, FRLS outer sheathed Armoured cable	12 C x 2.5mm ²	1000	Mtr		
2.27	1.1KV, Copper Conductor PVC Insulated, FRLS outer sheathed Armoured cable	16 C x 2.5 sqmm	2000	Mtr		
2.28	1.1 kV Grade FRLS PVC Copper Conductor Armoured PVC Inner FRLS Outer	7 C x 2.5 sqmm	5000	Mtr		
2.29	1.1 kV Grade FRLS PVC Copper Conductor Armoured PVC Inner FRLS Outer	19 C x 1.5 mm ²	1000	Mtr		
2.30	1.1 kV Grade FRLS PVC Copper Conductor Armoured PVC Inner FRLS Outer	7 C x 1.5 mm ²	2500	Mtr		

**VOLUME-III
PRICE SCHEDULE, REV-01**

**ERECTION TESTING & COMMISSIONING INCLUDING MATERIAL HANDLING, ELECTRICAL AND C & I JOB ETC OF 1X21 MW
GTG (FRAME-V) WITH ALL ACCESSORIES AT TSECL, ROKHIA, TRIPURA**

TENDER NO - PSER:SCT:RKA:T1409:12

PART-C OF VOLUME-III

1.0	List Of Electrical Panels	Tentative Dimension (mmx mmx mm)	Quantity	Unit	Unit Rate (In Rs.)	Total (In Rs.)
2.31	1.1 kV Grade FRLS PVC Copper Conductor Armoured PVC Inner FRLS Outer	12 C x 1.5 mm ²	1000	Mtr		
2.32	1.1 kV Grade FRLS PVC Copper Conductor Armoured PVC Inner FRLS Outer	19 C x 2.5 sqmm	1500	Mtr		
2.33	1.1 kV Grade FRLS PVC Copper Conductor Armoured PVC Inner FRLS Outer	24 C x 2.5 sqmm	1200	Mtr		
3.0	List Of Cable Tray/Structural Steel	SIZE	QTY (Kg/No./ mtrs.)			
3.1	Ladder type cable tray with accessories & Coupler Plate etc.	600 mm	800	Set		
3.2	Ladder type cable tray with accessories & Coupler Plate etc.	300 mm	200	Set		
3.3	Ladder Type Cable tray cover with accessories.	600 mm	300	Set		
3.4	Ladder Type Cable tray cover with accessories.	300 mm	200	Set		
3.5	Ladder type horizontal tees with accessories, coupler plate etc.	300 mm	5	Set		
3.6	Ladder type horizontal tees with accessories, coupler plate etc.	600 mm	40	Set		
3.7	Ladder type Horizontal elbow with accessories, coupler plate etc.	300 mm	5	Set		
3.8	Ladder type Horizontal elbow with accessories, coupler plate etc.	600 mm	20	Set		
3.9	Ladder Type Vertical Up with Accessories & Couler Plate etc.	300 mm	5	Set		
3.10	Ladder Type Vertical Down with Accessories & Couler Plate etc.	300 mm	5	Set		
3.11	Ladder Type Vertical Up with Accessories & Couler Plate etc.	600 mm	20	Set		
3.12	Ladder Type Vertical Up with Accessories & Couler Plate etc.	600 mm	20	Set		
3.13	Ladder Type Horizontal Cross with accessories & Coupler Plate etc.	300 mm	5	Set		
3.14	Ladder Type Horizontal Cross with accessories & Coupler Plate etc.	600 mm	30	Set		
3.15	Perforated type cable tray with accessories & Coupler Plate etc.	600 mm	400	Set		
3.16	Perforated type cable tray with accessories & Coupler Plate etc.	300 mm	200	Set		
3.17	Perforated type cable tray with accessories & Coupler Plate etc.	150 mm	300	Set		
3.18	Perforated type cable tray with accessories & Coupler Plate etc.	50 mm	300	Set		
3.19	Perforated type cable tray cover with accessories etc.	600 mm	400	Set		
3.20	Perforated type cable tray cover with accessories etc.	300 mm	200	Set		

**VOLUME-III
PRICE SCHEDULE, REV-01**

**ERECTION TESTING & COMMISSIONING INCLUDING MATERIAL HANDLING, ELECTRICAL AND C & I JOB ETC OF 1X21 MW
GTG (FRAME-V) WITH ALL ACCESSORIES AT TSECL, ROKHIA, TRIPURA**

TENDER NO - PSER:SCT:RKA:T1409:12

PART-C OF VOLUME-III

1.0	List Of Electrical Panels	Tentative Dimension (mmx mmx mm)	Quantity	Unit	Unit Rate (In Rs.)	Total (In Rs.)
3.21	Perforated type cable tray cover with accessories etc.	150 mm	300	Set		
3.22	Perforated type cable tray cover with accessories etc.	50 mm	300	Set		
3.23	Perforated type Horizontal Tee with accessories & Coupler Plate	300 mm	5	Set		
3.24	Perforated type Horizontal Tee with accessories & Coupler Plate	600 mm	5	Set		
3.25	Perforated type Horizontal Bend with accessories & Coupler Plate	300 mm	5	Set		
3.26	Perforated type Horizontal Bend with accessories & Coupler Plate	600 mm	5	Set		
3.27	Perforated type Vertical UP with accessories & Coupler Plate etc.	300 mm	5	Set		
3.28	Perforated type Vertical Down with accessories & Coupler Plate etc.	300 mm	5	Set		
3.29	Perforated type Vertical UP with accessories & Coupler Plate etc.	600 mm	5	Set		
3.30	Perforated type Vertical Down with accessories & Coupler Plate etc.	600 mm	5	Set		
3.31	Perforated type horizontal cross with accessories & Coupler Plate etc.	300 mm	5	Set		
3.32	Perforated type horizontal cross with accessories & Coupler Plate etc.	600 mm	5	Set		
3.33	Channel	75 mm	100	Kg		
3.34	Channel	100 mm	276	kg		
3.35	Channel	150 mm	250	Kg		
3.36	Channel	100mm x 50mm	280	Kg		
3.37	Angle	150 mm x 150 mm x 12 mm	500	Kg		
3.38	Angle	100 mm x 100 mm x 10 mm	250	Kg		
3.39	Angle	75mm x 75 mm x 8 mm	135	Kg		
3.40	Angle	65mm x 65 mm x 6mm	10440	Kg		
3.41	Angle	50mm x 50mm x 6mm	5400	Kg		
3.42	Beam	150 mm	450	Kg		
3.43	Beam	200 mm	762	Kg		
4.0	List of C&I Panels/Equipments					
4.1	MARK-VIe GT Controls		1	Set		
4.2	DAVR Package-Suite: Regulation		1	Set		
4.3	Station C&I Electronic Panel & Marshling Panel, Serial Connection HMI Switches		1	Set		
4.4	Operator work station - 1		1	Set		
4.5	Operator work station - 2		1	Set		
4.6	Colour laserjet printer (A4 size)		1	Set		
4.7	Dot matrix printer		1	Set		
4	MISCELLANEOUS INSTRUMENTS					

**VOLUME-III
PRICE SCHEDULE, REV-01**

**ERECTION TESTING & COMMISSIONING INCLUDING MATERIAL HANDLING, ELECTRICAL AND C & I JOB ETC OF 1X21 MW
GTG (FRAME-V) WITH ALL ACCESSORIES AT TSECL, ROKHIA, TRIPURA**

TENDER NO - PSER:SCT:RKA:T1409:12

PART-C OF VOLUME-III

1.0	List Of Electrical Panels	Tentative Dimension (mmx mmx mm)	Quantity	Unit	Unit Rate (In Rs.)	Total (In Rs.)
4.1	Solenoid Valve including Air Filter.		75	No.		
4.2	Temperature Switches		12	No.		
4.3	Vibration Sensors		10	No.		
4.4	125V Fire Detectors		14	No.		
4.5	Pressure Switches		40	No.		
4.6	Limit Switches		15	No.		
4.7	Magnetic Pickups		12	No.		
4.8	Hazardous Gas Detectors		4	No.		
4.9	Pressure Transmitter		10	No.		
4.10	Control Valves(Pressure Self Actuated)		3	No.		
4.11	Thermometers		5	No.		
4.12	Pressure Gauge		25	No.		
4.13	Valve Actuators		10	No.		
5	SPECIALISED COMMISSIONING SERVICE					
5.1	Specialised commissioning services for testing & commissioning of protection relays, CTs, PTs etc of electrical equipments by deploying specialised technical manpower (including special testing kits for the pupose, including omichron kit) in man-months		10	Man-month		
TOTAL PRICE FOR PACKAGE-C						

NOTE:

1.0	All Cables, Steel, CableTrays, and other material like Cable glands, termination kits, Lugs, as mentioned above will be supplied by BHEL. No separate termination charges are admissible for cabling work and vendor to quote taking this in to consideration.
2.0	Bidder to note that except for the items mentioned above all other items pertaining to C&I and Electrical as detailed in the Tender specification shall not attract any additional or extra payment.

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 and Commissioning including Material Handling, Electrical and C&I job etc of 1x21 MW GTG (Frame-V) with all accessories for TSECL, Rokhia, Tripura.	
Ref	1.0	Tender no PSER:SCT:RKA-T1409:12
	2.0	BHEL's NIT, vide reference no PSER:SCT:RKA-T1409:3000, dated 18-10-2012.
	3.0	BHEL's TCN-01, vide reference no PSER:SCT:RKA-T1409:TCN-01, dated 01-11-2012.
	5.0	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, SALT LAKE CITY, KOLKATA - 700 091

फैक्स/Fax : (033) 23211960

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