

**Dayalbagh Educational Institute
(DEEMED TO BE UNIVERSITY)
Dayalbagh, Agra**

Tender No. DEI/Engg/Elect/AKS/2018-19/TDR-44

Date: 20-02-2019

Single Tender Inquiry

Subject: Purchase of Vacuum Circuit Breakers

Specifications: 11kV, 800A, 18.4 kV for 1 Sec. Metal Clad indoor VCB, 3-Pannel Board with Accessories.

The request has been received from **Prof. A. K. Saxena, Dept. of Electrical, Faculty of Engineering, of the Institute** to purchase the above items from **M/s CG Power and Industrial Solution Ltd. Nashik** on proprietary basis as the item would be the replacement of existing system which was installed in 2005 and has outlived its life. The Proposal Submitted by **M/s CG Power and Industrial Solution Ltd. Nashik** and quotation is attached.

The above documents are being uploaded for open information to submit objections, comments, if any, from any manufacturer regarding proprietary nature of the equipment/ item within 15 Days from the date of issue of this notice giving reference no. **DEI/Engg/Elect/AKS/2018-19/TDR-44 dated 20-02-2019**. The necessary documents may be submitted to us in support of your intent/comments/objections for our consideration. The intent/comments/objections should be received by office of Registrar, Dayalbagh Educational Institute, Dayalbagh, Agra (e-mail: registrar@dei.ac.in) on or before **07-03-2019** up to 05.00 pm failing which it will be presumed that no other vendor has any comments to offer, and the case will be decided on the merit.

REGISTRAR

Encl: As above

CG Power and Industrial Solutions Limited
(formerly Crompton Greaves Limited)
Switchgear Division:Power Systems
A-3,MIDC,Ambad,Nashik-422010,Maharashtra,India
T:+91 253 238 2271 F:+91 253 238 1247



Ref:SmVS/DLA-SDI/I-9128/Dayalbag Educational Institute

Date:18.01.19

To,
Director
Dayalbagh Education Institute
Dayalbagh ,Agra (U.P)

Sub:Techno-commercial offer for MV Switchgear Offer for CGPISL make 11KV Indoor VCB Panel

Dear Sir,

We thank you for patronizing our MV Switchgear products. We have attached the following documents in this offer.

- 1) Annexure I - Price Schedule
- 2) Annexure II - Comments cum Deviation Sheet
- 3) Annexure III - Bill of Material
- 4) Annexure IV - Commercial Terms and Conditions

We hope our offer is inline with your requirement.
Kindly revert back for any further assistance.

Thanking you,
For CG Power and Industrial Solutions Limited
(formerly Crompton Greaves Limited)

A handwritten signature in blue ink, appearing to read 'Shirish Ingle'.

Shirish Ingle
Manager- Marketing
M.V. Switchgear Division (S2), Nashik.
Ph no: +91 253 2301399 / +91- 9673122244
Email: shirish.ingle@cgglobal.com



Annexure-I
Price Schedule

Ref:SmVS/DLA-SDI/I-9128/Dayalbag Educational Institute
MANUFACTURE : CG Power and Industrial Solutions Limited

Date:18.01.19

PRICE SCHEDULE				
Sr. No.	Description	Unit	Set	Unit Ex-Works Price
1	Supply of 11kV, 800Amps, 18.4KA for 1 Sec metal clad Indoor VCB 3 Panel Board as per attached Bill of Material	Set	1	808000
2	Spares			
a	Closing Coil	Nos	2	1000
b	Tripping Coil	Nos	2	1000
c	Spring Charging Motor	Nos	1	4000
d	Big Gear for Spring Charging	Nos	1	1000
e	Small Gear for Spring Charging	Nos	1	1000
f	Worm Wheel for Rack in rack out Operation	Nos	1	1050
g	Worm Shat for Rack in rack out Operation	Nos	1	0
h	Worm Shaft (Square Type)	Nos	1	0
j	Side lever for Test service-LH &RH	Nos	1	1100
j	Test service position limit switch	Nos	1	1100
	TOTAL Unit Ex-Works ----->			821,250
i	GST @ 18%----->			147,825
ii	Freight----->			35,000
iii	GST @ 18%----->			6,300
iv	FORD Price Inclusive of GST----->			1,010,375

Note:

- 1) The Prices offere are as per BOQ enclosed in case there is any change in the BOQ it shall have price implications.
- 2) Unloading at Site will not be in CGPISL Scope.

Annexure-II

Ref:SmVS/DLA-SDI/I-9128/Dayalbag Educational Institute

Date:18.01.19

MANUFACTURE : CG Power and Industrial Solutions Limited

Comments/Deviation

Sr.No.	Specification Clause No.	Comment / Clarification / Deviation
1		CGPISL scope is to supply of Panel only, testing(At site) and comissioning is not in our scope.
2		Our offer is based on the Specifications Provided with the enquiry .
3		We assumed CT ratio, Burden / VT burden as indicated in BOM, any change in that will be at extra cost
4		Paint Shade is considered as RAL 7035 .
5		The design ambient temperature is 40 deg. C. The temperature rise shall be as per relevant IS/ IEC standard.
6		The design altitude of panel is 1000m MSL & Ambient of 40 Deg.C. Prices may varies based on <u>changed in higher altitude level & rise in Ambient Temperature.</u>
7		The current density of busbar will be in line with type tested design. Incase any specific current density of bus bars are required same will be provided on extra cost.
8		Provision for Auxilliary Supply & Control Supply is in Purchasers Scope.
9		All Protection relays/meters considered for costing is as ISI marked CGPISL standard. If any other relay or specific make is reqd , then it will be charged extra.
10		Cable glands and termination kits, Rubber mats not considered in CGL scope of supply.
11		For detail material description please refer Attached Bill Of Materials, any items beyond Bill Of Materials shall be charge extra.
12		Antipumping device is in built feature of breaker.
13	C	As per Specification Make of Relays are specified as Siemens/ABB/Alstom. Kindly note that we have our Own Make Relays technically equivalentSiemens/ABB/Alstom hence we will be Offering Our own Make of Relays along.Also Make of CTs & PTS will be CGPISL Make.
	g	Supply of Relay Testing Kit for Testing & Callibration will not be in CGPISL Scope.
14		Offered VCB Panels are suitable for Operation at ambient 40 Deg. C & altitude of 1000MSL.
15		Offered Panel are already type tested as per latest IEC from NABL accredited Labs.Copies of Type test reports cab ne submitted if required.We do not envisage repetition of type test in any circumstances.
		Cable Termination kit are not in CGPISL scope.
16		The Prices offered are strictly as per BOM enclosed, incase there is any change in the Technical Specification & BOM, it shall be subjected to price implications.
17	Price	Our Scope will be limited to Supply of VCB Panels only.Removing of Existing Panel at site ,Installation of new Panels or any other associated Civil Work will not be in CGPISL Scope.
18	Training	We will Offer Training on Free of Cost Basis. Also we will Offer Free of Cost boarding & lodging facility at our Guest House facility at Nashik subject to availability with advance Initimation of atleasty 15 Days.

Bill of Material

	Description	I/C	O/G
	RATING	Incomer	Outgoing
	QTY	1	2
A	Vacuum Circuit Breaker		
1	11KV,800A,25KA/1sec, Horizontal Isolation Horizontal drawout out VCB Panel with Internal Arc Tested for 25kA for 0.1Sec	1	
2	11KV,800A,25KA/1sec, Horizontal Isolation Horizontal drawout out VCB Panel with Internal Arc Tested for 25kA for 0.1Sec		1
3	230V AC Motorised Mechanism	1	1
4	Copper Busbars with PVC Sleeve 800 Amp	1	1
5	Colour coded Wiring	1	1
6	Degree of Protection - IP5X	1	1
7	Paint Shade- RAL7035 (Inside, Outside)	1	1
8	Shunt Trip/Close coils - 110VDC	1	1
9	Warning plates	1	1
10	Earthing-Cu	1	1
11	CT/PT Wiring-2.5 Sq. mm,All Other wiring-1.5 Sq. mm	1	1
12	Power Pack 110VAC-110VDC	1	
B	EPOXY RESIN CAST V.T.		
	MAKE : CGL		
1	3Ph,D/O TYPE, 11KV/Sqrt. 3/ 110V/Sqrt. 3,Class-0.5, Burden-100 VA-Line PT	1	
C	EPOXY RESIN CAST,1-Ph , 25kA for 1sec		
	MAKE : CGL		
1	100-50/5+5A,CL-0.5/5P10,Burden-15VA/15VA	3	3
D	METERS		
	MAKE : AS PER CGL APPROVED VENDOR		
1	Digital Ammeter with S/S-96 Sq. mm	1	1
2	Digital Voltmeter with S/S-96 Sq. mm	1	
3	Multifunction Meter,Model:Elite 445	1	1
E	INDICATING LAMPS LED TYPE		
	MAKE : AS PER CGL APPROVED VENDOR		
1	BREAKER ON - Red	1	1
2	BREAKER OFF - GREEN	1	1
3	AUTO TRIP INDICATION - Amber	1	1
4	TRIP CIRCUIT Healthy - CLEAR	1	1
5	SPRING Charged - Blue	1	1
6	RYB Indication	1	
7	Service Position - Red	1	1
8	Test Position - GREEN	1	1
F	ACCESSORIES(AS PER CGL STD APPROVED MAKES)		
1	Push Button for trip circuit healthy check	1	1
2	Trip Neutral Close Switch	1	1
3	Panel Space Heater with Thermostat & switch	1	1
4	Panel Illumination Lamp with Switch	1	1
5	2 Pin & 3 Pin Plug with switch	2	2
6	AC/DC MCB	2	2
7	8 Window Annunciator	1	1
8	Hooter	1	1
9	Test Terminal Block for Relay	1	1
G	RELAYS -Make:CGPISL		
1	Numerical Communicable relay with 50/51/50N/51N/ 27,59 / Fuse Failure Relay Protection,Model:Aegis FG,Protocol:IEC61850	1	
2	Numerical Communicable relay with 50/51/50N/51N Protection,Model:Aegis FI,Protocol:IEC61850		1
3	Master Triip Relay (86) Make - CG	1	1
4	Trip Circuit Healthy Relay (95)	1	1

NOTE

1.CT STR shall be similar to same to breaker rating

ANNEXURE - IV

COMMERCIAL TERMS AND CONDITIONS

This schedule shall be read in conjunction with our offer

1.0 PRICE BASIS :

The prices quoted above are for only supply of the equipment & are ex - our works at Ambad, Nasik, Maharashtra.

The prices quoted are inclusive of suitable packing at our Works, as per our standard practice. Accessories / fittings and other fragile items shall be packed / crated separately as deemed fit for the purpose of ease of handling and safety during transport, loading and unloading. Please note that re-assembly of the items so dismantled shall be done by the Purchaser and shall not be in our scope.

The quoted price for the equipment is variable with base date as 1st Day of calendar month, one month prior to the date of offer, as per latest IEEMA PVC Circular. The prices are exclusive of Freight, Insurance, Taxes, Duties and other statutory levies, if any.

The equipment shall be dispatched on freight to pay, uninsured basis and despatch particulars shall be furnished by us to enable you to arrange for the transit insurance.

All prices quoted are after taking into account the benefits available in the form of concessional custom duties, if applicable, subject to your furnishing us the required documents. Details of documents required will be sent to you at the time of finalisation of order.

2.0 TAXES, DUTIES AND OTHER STATUTORY LEVIES:

The prices quoted are exclusive of GST, which shall be charged extra to your account at the rates prevailing at the time of supply.

Any variation in the rates of taxes/duties at the time of supply will be extra to your account and in the event of any fresh imposition of levies which are applicable to this transaction, the same will be extra to your account at the rate as prevailing on the date on which the equipment is notified as being ready for inspection at our factory (where involved) or the date of LR/RR. This would be subject to our Force Majeure clause 13.0 of this Schedule.

"Any Statutory variation with respect to GST implementation will be to Customer account".

3.0 DELIVERY, EX-WORKS

Delivery shall commence as per delivery noted in the offer from date of receipt of approved drawings & advance payment, whichever is later.

Please note that the above delivery schedules are based on our present commitments and the same shall be reviewed and confirmed in line with a mutually acceptable schedule, at the time of release of order.

The above deliveries shall be effected from the date of receipt of your technically and commercially clear and firm order along with the advance payment. The date of delivery shall be the date on which the equipment is notified as being ready for inspection at our factory (where involved) or the date of LR/RR. This would be subject to our Force Majeure clause 13.0 of this Schedule.

4.0 TERMS OF PAYMENT.

"As per Tender Terms & Conditions"

5.0 INSPECTION

In the event of inspection, if agreed at the time of acceptance of the order, the same shall be carried out within one week from the date of intimation of readiness of the equipment. Please note, for any delay beyond one week, storage charges @ 1% of ex – works value, per week or part thereof, will be charged to your account. Witnessing of the routine testing shall be free of cost. However, any & all expenses of the inspecting authority shall be borne by you alone.

6.0 DRAWING SUBMISSION

We shall arrange to submit detailed drawings after receipt of your order, for your approval. On receipt of your approval and manufacturing clearance, the equipment shall be taken up for manufacture. Drawings shall be submitted for your approval within 4 weeks of receipt of your detailed LOI/ PO with agreed advance payment.

7.0 PERFORMANCE GUARANTEE

The equipment offered shall be covered by the following guarantee clause:

"We undertake to replace or repair at our option any defective parts that need replacement or repair by reason of defective workmanship or defective material, brought to our notice within 12 months from the date of commissioning (or) 18 months from the date of supply, whichever is earlier, providing also that if we so require the parts in respect of which complaint is made must, before liability can be entertained under this clause, be sent at the Buyer's expense to our Works, as we determine. Such expenses will be refunded, if liability is admitted. Under no circumstances, do we undertake liability for indirect or consequential loss or damage of any nature".

Our liability arising out of supplying the material or its use, whether on warranties or otherwise shall not in any case extend the warranty period and shall not exceed the cost of correcting the defects or replacement of the defective material/ equipment and upon expiration of the period mentioned above, all such liability shall terminate. Our liability does not extend to consequential damages, either direct or indirect or expenses for repairs or replacements or otherwise paid or incurred without our authorization. We accept no liability for defects or depreciation caused by damage in transit, lightning, dampness, neglect, misuse/ negligent actions or omissions, inadequate storage, other abnormal conditions due directly or indirectly to circumstances beyond our control.

This warranty excludes consumables like fuses, fragile parts like indicating lamps, indicating meters, lamps, CFLs, bulbs, parts made out of plastic or glass and similar material and consumables.

Further, warranty will not be applicable in case of

- (a) Equipment failure due to misuse, abuse, man handling etc.
- (b) Equipment being repaired/ rectified/ tampered without our prior permission.
- (c) Equipment's or parts of Equipments subject to normal wear and tear.

The warranty contained herein shall be void at our discretion, in the event of breach of the contractual terms and conditions, including non-payment of consideration or servicing/ commissioning of the equipment/ system by a person or agency not authorised by us.

8.0 EQUIPMENT/ SYSTEM PERFORMANCE

The equipment/ system offered will perform satisfactorily within the guaranteed environmental/ power supply conditions as mentioned in our technical offer. The equipment may malfunction due to site conditions beyond the specified limits and we shall not be liable for any damage caused by the same.

For safe and optimum use of the equipment/ system supplied, purchaser shall strictly follow the instructions given in the relevant operations and maintenance manuals. We shall not be responsible for damages, injuries or losses suffered or caused due to, directly or indirectly, non-compliance with the operation and maintenance manuals and other related instructions.

9.0 STORAGE

Should storage of goods be necessary owing to dispatch to destination being delayed due to lack of instructions from you to effect despatch, the cost of such storage and incidental charges will be to your account.

10.0 DEVIATION/CANCELLATION

Once the order has been placed on us, unilateral changes in specifications or quantities or cancellation of whole or part of the order for any reasons whatsoever is not acceptable to us, but shall be subject to mutual discussions and subject to commercial implications.

11.0 SERVICES

Specialized services of our Service Cell would be made available to you, if so required by you, by deputing our Service Engineer for supervision/commissioning of equipment at your site. Charges and Terms of deputing our Engineers would be finalized during order finalization.

12.0 COMPLETION/PENALTY FOR DELAYED DELIVERY

All the deliveries and completion period are given in good faith and every endeavor would be made to adhere to this, subject to receipt of full and final instructions with your order. Under any circumstances, we do not accept any penalty or liquidated damages or any completion levies. We are not agreeable to risk purchase and liquidated damages clause.

13.0 FORCE MAJEURE CLAUSE

We shall be under no liability if performance of contract on our part is prevented or delayed whether in whole or in part due to any of the causes beyond our reasonable control, including, but not limited to war (whether declared or not), invasion, acts of foreign enemy hostilities, acts of God, acts of public enemy, acts of mission of the purchaser, orders or embargoes of civil or military authorities, riots, civil commotion, labour disturbances, strikes, lay-offs, lock-outs and factory shut downs, mutiny, flood, explosions, and/or directives of any Central, State or Municipal Authorities or Agencies thereof, inability to obtain materials due to import or other statutory restrictions, failures / restrictions of power supply, inability to obtain labour, manufacturing facilities, components or raw materials.

14.0 VALIDITY

Unless previously withdrawn our offer is valid for your acceptance for a period of 60 days from the date of this offer.

15.0 GENERAL TERMS

No other terms & conditions shall be deemed to have been accepted by us, unless specifically agreed by us in writing.

For CG Power and Industrial Solutions Limited
(formerly Crompton Greaves Limited)



Shirish Ingle

Manager- Marketing

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