

Corrigendum-01

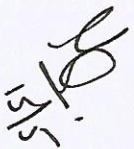
Name of Work: "Design, Detail Engineering, Supply, Erection, Testing and Commissioning of Reactive Power Compensation and power quality improvement devices (Shunt Reactor & STATCOM) at 33 kV level along with associated equipment & integration with existing protection and SCADA system at two Receiving Substation of Jaipur Metro Rail Corporation Limited."

NIB No: JMRC/OS/EL/2020-21/NIB/001

S. N.	Referred Clause	Clause Particulars	Should be Read As
1	NIB (1.1)	Last Date and Time of Submission of Bid -20/05/2020at 14:30Hrs	Last Date and Time of Submission of Bid -10/06/2020 at 14:30Hrs
2	NIB (1.1)	Date of opening of Technical Bid-20/05/2020 at 15:30Hrs	Date of opening of Technical Bid-10/06/2020 at 15:30Hrs
3	NIB (1.1)	Date of Physical Submission of Financial instruments(Bid Security,Tender Cost ,Processing Fee)-20/05/2020 at 14:30Hrs	Date of Physical Submission of Financial instruments(Bid Security,Tender Cost ,Processing Fee)-10/06/2020 at 14:30Hrs
4	1.3C	Specific Experience: A BIDDERS, and any on substantial partners constituting the BIDDERS, shall be an OEM for Reactive Power compensation devices (i.e. STATCOM and Shunt Reactor) having minimum experience of supplying similar equipment's for minimum 3 years or is required to submit manufacturer's authorization certificate as per annexure -2	Specific Experience: A BIDDERS, and any on substantial partners constituting the BIDDERS, shall be an OEM for Reactive Power compensation devices (STATCOM/APF only) having minimum experience of supplying similar equipment's for minimum 5 years or is required to submit manufacturer's authorization certificate as per annexure -2
5	1.3 C(5)	"Similar works" for this contract shall be the work of "Supply, Installation, testing and commissioning of EHT substation or any work associated with protection of EHT substation or associated with reactive power compensation in 25KV or 33KV at any Railway/Metro sub stations".	"Similar works" for this contract shall be the work of "Supply, Installation, testing and commissioning of reactive power compensation devices in 25KV or 33KV at any substations of Railway/Metro/Industries/PSU's etc".

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S. N.	Referred Clause	Clause Particulars	Should be Read As
6	Section 2 (1.1)	<p>1.1 The subject work is for Design, Detail Engineering, Supply, Erection, Testing and Commissioning of 33 kV Shunt Reactor and 33 kV STATCOM/APF for Reactive Power Compensation and power quality improvement along with associated equipment's & integration with existing protection and SCADA interface at Receiving Substations of Jaipur Metro Rail Corporation. The main objective of the work is to improve the true power factor up to unity at 132KV in-comer of both RSS of JMRC. The equipment offered Reactor and STATCOM/APF proposed for use in JMRC is for 33 kV and shall be connected at 33kV bus at Receiving Substation.</p>	<p>1.1 The subject work is for Design, Detail Engineering, Supply, Erection, Testing and Commissioning of Reactive Power Compensation and power quality improvement devices at 33KV level along with associated equipment's & integration with existing protection and SCADA interface at Receiving Substations of Jaipur Metro Rail Corporation. The main objective of the work is to improve the true power factor up to 0.99 at 132KV in-comer's of both RSS of JMRC. The targeted power factor is to be read 0.99 (true PF) instead of unity PF in all tender document. The equipment offered should be based on the latest state of the art technology and having maximum energy efficiency and best performance. The compensation devices proposed for use in JMRC is for 33 kV and shall be connected at 33kV bus at Receiving Substation.</p>
7	Section-2 (2.2.5)	<p>A covered room for installation of STATCOM/APF and coupling transformer will be provided by JMRC at both RSS</p>	<p>A covered room (size: 15X8 Meter) will be provided by JMRC at both RSS. Covered room drawing is attached as an annexure(I).</p>
8	Section-2 (2.3)	<p>The Principal Manufacturer of STATCOM/APF is only eligible to quote for the tender. The manufacturer of the 33kV STATCOM/APF should also have their own office in India. The principal manufacturer should have their own service center in India. The relevant supportive documents shall be submitted along with the tender offer.</p>	<p>The Principal Manufacturer of proposed dynamic reactive compensation device (i.e. STATCOM) is only eligible to quote for the tender. The manufacturer of same device should also have their own office in India. The principal manufacturer should have their own service center in India. The relevant supportive documents shall be submitted along with the tender offer.</p>

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S. N.	Referred Clause	Clause Particulars	Should be Read As
9	Section-2 (3.2.1.2)	Temperature protection of shunt reactor	Deleted
10	Section-2 (3.2.1.2)	A digital Meter with 110V DC aux. supply which displays KVAR injected by shunt Reactor and KW consumption of shunt reactor should be mounted on 33KV panel of JMRC.	A digital Energy Meter (110V DC aux. supply) which displays KWH, KVAH, KVARH, KVA, KW, KVAR to be provided and install at both 33KV feeders (STATCOM and Shunt Reactor) used for connecting compensation devices.
11	Section-2 (3.2.1.6)	The 33kV shunt reactor shall have setting to adjust the reactive power at-least in steps of 2.5 % from -5 to +5 % from base rating with offline tap changer.	Deleted
12	Section-2 (3.3.3.2)	The Enclosure shall be supplied with minimum IP 42 rating with self-ventilation arrangement for cooling and provide the Air conditioning if ventilation is not adequate.	The Enclosure shall have minimum IP 20 rating with self-ventilation arrangement for cooling and provide the Air conditioning if ventilation is not adequate.
13	Section-2 (3.3.3.5)	The STATCOM/APF shall be able to work on utility fed power supply as well as on local backup generators.	The STATCOM/APF shall be able to work on utility fed power supply.
14	Section-2 (3.3.3.14)	The STATCOM/APF shall be able to filter individual harmonic components programmable in a frequency range from the 2nd to the 50th harmonic. STATCOM/APF supplied shall able to limit inter harmonic voltage limits as per IEEE 519.	The STATCOM/APF shall be able to filter individual harmonic components so that THD (voltage and current) can be minimized up to limits as per IEEE 519.
15	Section-2 (3.3.3.17)	Filtering efficiency and equipment efficiency shall be typically not less than 97%.	Filtering efficiency and equipment efficiency of STATCOM/AHF must be typically not less than 97%. However the preference will be given to offering maximum energy efficiency and performance.
16	Section-2 (3.3.3.31)	Suitable No. of CT's, summation CT's of class 0 type to be provided.	Suitable No. of CT's, summation CT's of class 0.2 type to be provided.
17	Section-2 (3.4)	Type of Coupling Transformer	The Coupling transformer should be converter duty cycle

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S. N.	Referred Clause	Should be Read As
18	Section-2 (4) Max. Ambient temperature is 40 degree centigrade	The Max. Ambient temperature of shunt Ractor is 50 degree centigrade.
19	Clause No 1.3 (b). Page No 6 Valid Electrical License	In Case Bidder is OEM or His Authorised agency but he does not have electrical contractor license in his own name or name of firm than he may submit undertaking that he will get the work executed through a agency/Contractor having a valid Electrical Contractor License in his own name/firm name issued by concern authority anywhere in INDIA. He will be required to submit such license before issue of LOA.

(M.K.Singhal)
Director (O&S)
JMRC

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15/5/2020