

Center for Railway Research

CORRIGENDUM-I

Name of Work: Supply of hydraulic power pack with listed accessories

Tender Reference Number: IIT/SRIC/ CRR / BRE/ VR/2017-18/EQ-3, **Dated:** 29.11.2017

The following additions/corrections may be noted in the tender:

- (1) Proof of having *earlier* supplied and commissioned, **at least two**, similar or higher power rated hydraulic power packs in configurations similar to that stated in this tender (i.e. with load and/or displacement control). In each case, please provide schematics of the set ups the company has supplied with make and model numbers of motor, pump, servo proportional valves, etc that were used in the power pack. Also mention as to what was the nature and range of load and displacement control in these applications.
- (2) Proof of reliability, low down time, and good service record in above stated two or more earlier commissionings. **Feedback on reliability of supplied products, approximate down time, and service record** -- for earlier supplied and commissioned hydraulic power packs -- **must be provided by the clients**. Contact details of the clients must be provided so that IIT Kharagpur can independently verify the claims. In each of these cases, service must have been provided for at least three years from date of commissioning.
- (3) Siemens simantic S7-1200 or equivalent PLC may be used for monitoring and controlling the set up. In addition to inputs and outputs needed to monitor and control the set up, 4 analog inputs, 4 digital inputs, 4 digital outputs may be additionally provided in the PLC.
- (4) Monitoring and control of the setup is to be done directly from desktop computer. 256 tags runtime scada software or equivalent software must be used to monitor and control the system.
- (5) Damping pads must be provided, where ever needed in the system to reduce noise and vibration.

(6) VFD along with electro-hydraulic proportional control in variable displacement axial piston pump must be used to control volume flow rate and hydraulic pressure requirement, respectively, in the system with minimal losses.

(7) During warranty period, service complaints must be looked into within less than 7 days and parts replacement, if needed, must be made in less than 30 days.

Failure to meet above can result in disqualification on technical grounds. **Last date for submission of the tender has been extended from 21nd Dec 2017 to 4th Jan 2018.** More details are given below.

Last Date and Time for submitting the tender document	4.1.2017 at 15:00 Hrs (Indian time)
Time and Date of Opening of Technical Bids	4.1.2017 at 16:00 Hrs (Indian time)

All other specifications and terms and conditions remain unaltered.

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