



BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL

SPECIFICATION CUM COMPLIANCE CERTIFICATE OF TORORQUE CONTROLLER & DRIVE UNIT

NOTE:-

1. Vendor must submit complete information against clause no. 1.0-5.7, The offer meeting this clause would only be processed
2. The "Offered" Column and where applicable, the "Deviations" & "Remarks" Column of this format shall be filled in by the Vendor and submitted along with the offer. Inadequate / incomplete, ambiguous, or unsustainable information against any of the clauses of the specifications/requirements shall be treated as non-compliance.
3. The offer and all documents enclosed with offer should be in English language only.
4. The information provided by vendor in specification cum compliance certificate will supersede any other information provided by vendor.

NAME & ADDRESS OF THE SUPPLIER :

SCOPE: SUPPLY OF TORORQUE CONTROLLER & DRIVE UNIT

SNO	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED / CONFIRMED	OFFERED	REMARKS
1	SUPPLY OF CALIBRATED DIGITAL DISPLAY SOLID STATE ELECTRONIC TORQUE CONTROLLER (CURRENT SETTING BASED) 230/220 V,50HZ SUITABLE FOR FOR TUBE EXPANSION DRIVE UNIT(0N,1N,2N AND 3N). SUPPLYING ALONGWITH DRIVE UNIT 0N AND 1N.	Vendor to Confirm and specify make & model no.		
2	SPECIFICATION OF TROORQUE CONTROLLER:			
2.1	Maximum current shall not be exceed 7.0 Ampere	Vendor to Confirm		
2.2	Compatible with four drives of various capacity	Vendor to Confirm		
2.3	Shall have a provision of digital pannel for displaying working current & set current.	Vendor to Confirm		
2.4	Shall have a provision of press switch alongwith rotating switch to adjust the current setting.	Vendor to Confirm		
2.5	Shall have a provision of trip time adjustable, pause time adjustable.	Vendor to Confirm		
2.6	Provision of over voltage and under voltage protection should be minimum +- 15% of rated voltage.	Vendor to Confirm		

Prepared by:

Noted

मोहम्मद एकराम / MOHAMMAD EKRAM
 उप निदेशक / Issued by: Engineer (Prodn.)
 रसायन विभाग / RSCM Division
 बी.पी.ई.एल., भोपाल / BHEL, BHOPAL

Annexure-I (Technical Specification)

P.L. no 821102002

2.7	Shall have provision of in-built 12-pin socket.	Vendor to Confirm		
2.8	Shall have provision of in-built MCB to protect the pannel.	Vendor to Confirm		
2.9	Shall have provision of in-built separate PCB for drive unit.	Vendor to Confirm		
3	Provision of manual reverse by push button, in case of emergency.	Vendor to Confirm		
3.1	Shall have a provision of setting reverse time to control the drive in reverse operation.	Vendor to Confirm		
3.2	Shall have a provision of hand (trigger) mode or foot switch mode.	Vendor to Confirm		
3.3	Expansions facility should be carried out either in single cycle mode or auto repeat mode.	Vendor to Confirm		
3.4	Provision of light indicators for ON, forward, reverse & trip conditions of drive.	Vendor to Confirm		
3.5	Automatic trip indication on the controller's display, tripping due to voltage or current fault.	Vendor to Confirm		
3.6	Shall have provision of carrying handle and resting legs(6 no fixed leg & 2 no folding legs).	Vendor to Confirm		
3.7	Shall have provision of winding the cable while not in use.	Vendor to Confirm		
4	SPECIFICATION OF DRIVE UNIT:0N			
4.1	Operating voltage: 230 V ac,50 Hz.	Vendor to Confirm		
4.2	No load speed within 700-2200 rpm	Vendor to Confirm		
4.3	Expansion range within 6-10.00 mm in stainless steel tube	Vendor to Confirm		
4.4	Expansion range within 6-12.00 mm in copper tube	Vendor to Confirm		
4.5	Should have quick fix coupling	Vendor to Confirm		
4.6	Body/casing shall be plasticor PVC	Vendor to Confirm		
4.7	Weight not to exceed 2.0 kg	Vendor to Confirm		
5	SPECIFICATION OF DRIVE UNIT:1N			
5.1	Operating voltage: 230 V ac,50 Hz.	Vendor to Confirm		
5.2	No load speed within 500-2000 rpm	Vendor to Confirm		
5.3	Expansion range within 10-16.00 mm in stainless steel tube	Vendor to Confirm		
5.4	Expansion range within 13-20.00 mm in copper tube	Vendor to Confirm		
5.5	Should have quick fix coupling	Vendor to Confirm		
5.6	Body/casing shall be plasticor PVC	Vendor to Confirm		
5.7	Weight not to exceed 3.00 kg	Vendor to Confirm		

Vendor

Prepared by:

श्री. राजेश कुमार / MOHAMMAD EKRAM
 (Sr. Asstt. Engineer / Sr. Manager (Prod.))
 Issued by: / MOHNDIVISION
 श्री. राजेश कुमार, अफसर / BHEL, SHOPAL

Vendor Signature with Official Stamp
 Page 2 of 2

512

Md Shamsur

Vendor Signature with Official Stamp

Vendor's name:

Sl. No	Title	Compiled	Yes/No	Remark(s)
No				
1	Compliance sheet of annexure/PQR			
2	Authorization certificate (Other than OEM)			
3	P.O. copy/ Commissioning report			
4	Audited balance sheet, If yes: attached sheet.			
	If No: state the reason thereof.			
5	Product catalogue/leaflet			
6	Contact detail of functional service center in India			
7	Last supplied detail (Contact detail)			
8	Over view of original equipment/tool manufacturer			
9	Experience of manufacturing of required tool/ as per NIT clause.			

Note:

1. Vendor may use separate sheet (if required).
2. Incomplete checklist may lead to technical rejection of quotation.

Prepared by:

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Page 1 of 1

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1	QUALIFYING CONDITIONS :	SPECIFIED / CONFIRMED	BY	OFFERED
1	Only OEM or their authorized distributor / dealer will have to quote in this tender. In case of tender participation by other than OEM, OEM's valid authorization certificate should spell out that their distributor/dealer shall stand for product guarantee, warrantee and services support as and when required by BHEL on prompt basis.	Vendor to confirm (OEM/Dealer) & submit certificate in case of other than OEM		
2	Only those vendors shall quote, who or their principal have successfully supply with single PO of minimum value Rs. 1 lakh in past ten years effective from the date of Techno-commercial bid opening of the tender.	Vendor to submit- PO copy, Unpriced invoice copy/Delivery challan.		
3	Vendor to furnish calibration certificate of the torque controller along with consignment at the time of delivery.	Vendor to confirm		
4	Average sales turnover shall be more than 30% of estimated value and in this regard, vendor has to furnished latest TTC, annual report (Auditted Balance sheet & Profit & Loss accounts) of last 3 years.	Being small value item(30% of lower range as estimation is not disclosable as per purchase policy,this clause has been weived off.		
5	Detail printed catalogue containing technical details, Model/Part No of the torque control unit and drive unit should be submitted along with the offer.	Vendor to submitted		
	BHEL reserves the right to verify the information provided by the vendor ,In case the information provided by the vendor is found to be false/incorrect,the offer shall be rejected without notice to the vendor.	Vendor to note		