No. D3/6330/16/RIT Office of the Principal, Rajiv Gandhi Institute of Technology, Kottayam

Dated: 22.02.2017

NOTICE

Quotation No:D3/6330/16/RIT

Sealed quotations are invited for the supply of the materials specified in the schedule attached below/overleaf. The rates quoted should be for delivery of the articles at the place mentioned below the schedule. The necessary superscription, due date for the receipt of quotations, the date up to which the rates will have to remain firm for acceptance and the name and address of officer to whom the quotation is to be sent are noted below. Any quotation received after the time fixed on the due date is liable to be rejected. The maximum period required for delivery of the articles should also be mentioned. Quotations not stipulating period of firmness and with price variation clause and/or 'subject to prior sale' condition are liable to be rejected.

The prices quoted should be inclusive of all taxes, duties, cesses, etc. which are or may become payable by the contractor under existing or future law or rules of the country of origin/supply or delivery during the course of execution of the contract.

Special conditions, if any, printed on the quotation sheets of the tenders or attached with the tender will not be applicable to the contract unless they are expressly accepted in writing by the purchaser.

Superscription	: D3/6330/16/RIT, Purchase of High torque low speed geared motor for research purpose in the QIP centre EEE Department
Quotation No	: D3/6330/16/RIT
Due date and time for receipt of quotations	: 23/03/17 11.30 a.m
Date and Time for opening Quotation	: 23/03/17 2.30 p.m
Date up to which the rates are to remain firm for acceptance	: 31/10/2017
Designation and address of Officer whom the quotation is to be addressed	: Principal Rajiv Gandhi Institute of Technology, Kottayam

Place:Kottayam
Date:22.02.2017

Details of items	Quantity
1. List attached	

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Place:Kottayam
Date:22.02.2017

Rajiv Gandhi Institute of Technology, Kottayam

List of items required

Sl.No	Item	Specification	Quantity
1	High torque DC geared motor 10RPM with driver	High Torque DC Geared Motor Features 10 RPM, 12 V DC motors with Metal Gearbox and Metal Gears ♦ 20 Nm torque ♦ No-load current =1A, ♦ Load current =10A (Max) ♦ Current controlled Drive specifications ♦ High -Current DC Constant-Torque motor drive integrated with the motor ♦ Motor speed control interface via UART, 12C, PPM signal and analog input ♦ Speed control possible in both directions down to almost 1% of max.speed ♦ Small package and integration allows for easy installation and operation ♦ Speed can be controlled using a terminal or MCU via simple UART commands ♦ 12C master device can control multiple RMCS-210x via simple12C command structures ♦ An RC receiver or any PPM source can directly control the speed of the motor ♦ An analog signal or fixed analog voltage from a potentiometer can directly control the speed of the motor	1 No

2	Induction gear motors	90W AC induction gear motors gear reduction motors 220v 200rpm ratio 9:1 ac low rpm ac gear motor High Torque DC Geared Motors Features 10RPM 12V DC motors with Metal Gearbox and Metal Gears ♦ 18000 RPM base motor ♦ 6mm Dia shaft with M3 thread hole ♦ Gearbox diameter 37 mm ♦ Motor Diameter 28.5 mm ♦ Length 63 mm without shaft ♦ Shaft length 15 mm ♦ 350gm weight ♦ 120kgcm torque ♦ No-load current=800mA, Load current=upto 7.5 A (Max)	
3	High torque encoder DC Servo Moto10RPM with UART/12C/PP M drive	Encoder and Drive Specifications Zero-backlash DC servo performance ♦ 0.2deg resolution optical encoder integrated on motor output shaft ♦ High-Current DC Servo motor driver integrated with the motor ♦ Absolute (32bit) Motor position control interface via UART, 12C, PPM signal and analog input ♦ Industrial Grade Aluminium housing for motor and drive ♦ Compatible with NEMA 23 mounting setup ♦ Speed and position can be controlled using a terminal or MCU via simple UART commands ♦ 12C master device can control	

		multiple RMCS-220x via simple 12C command structures ♦ An RC receiver or any PPM source can directly control the speed of the motor ♦ An analog signal or fixed analog voltage from a potentiometer can directly control the speed of the motor	