MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL
(Formerly, WEST BENGAL UNIVERSITY OF TECHNOLOGY)
Main Campus: Haringhata, Nadia, W.B.
Kolkata Office: BF-142, Sector –I, Salt Lake City, Kolkata -700 064
Phone: +91 33 2321-0731, 2321-1327 # Fax: +91 33 2321-7578, 2334-1034
Website: *www.makautwb.ac.in*
PAN: AAAJW0063D # GSTIN: 19AAAJW0063D1Z9 # TAN: CALW02602F

CORRIGENDUM

This is for information of all the bidders that following amendments /Corrigendum are being made in tender documents (Ref. No.: MAKAUT-WB/2021-22/EQUIPMENT-DR.S.S./002 Dated: 28-08-2021) **Item Name: Manipulator Arm.** The Specification of the said item should be read **as** follows:

DYNAMIXEL	XM430-W350-T
Power Supply - SMPS 12V 5A	
Output	12V 5A
Supply Voltage	100 ~ 260V AC (Free Voltage)
Jack Size	5.5mm (External diameter) x 2.5mm (Internal diameter)
Freedom of degree	5 (4DOF + 1DOF Gripper)
Payload	500g
RPM (joint)	46RPM
Weight (assembly)	700g
Length	380mm
Gripper stroke	20~75mm
Interface U2D2	
Dimension	48mm x 18mm x 14.6mm
Weight	9g
Available Ports	3 Pin TTL Level : TTL Communication supported DYNAMIXEL or Equivalent 4 Pin RS-485 : RS-485 Communication supported DYNAMIXEL 4 Pin UART : Controllers that support 4 Pin UART(such as CM-150 and CM-200)
Baud Rate	Max 6Mbps
Software	ROS. DYNAMIXEL SDK, Arduino, Processing
Controller - OpenCR	
Extension pins	32 pins (L 14, R 18) *Arduino connectivity Sensor module x 4 pins Extension connector x 18 pins
Communication circuits	USB (Micro-B USB connector/USB 2.0/Host/Peripheral/OTG) TTL (B3B-EH-A / Dynamixel) RS485 (B4B-EH-A / Dynamixel) UART x 2 (20010WS-04) CAN (20010WS-04)
LEDs and buttons	LD2 (red/green) : USB communication User LED x 4 : LD3 (red), LD4 (green), LD5 (blue) User button x 2
Powers	External input source 5 V (USB VBUS), 5-24 V (Battery or SMPS) Default battery : LI-PO 11.1V 1,800mAh 19.98Wh Default SMPS : 12V 5A External output source 12V@1A(SMW250-02), 5V@4A(5267-02A), 3.3V@800mA(20010WS-02) External battery Port for RTC (Real Time Clock) (Molex 53047-0210) Power LED: LD1 (red, 3.3 V power on) Reset button x 1 (for power reset of board) Power on/off switch x 1
Dimensions	105(W) X 75(D) mm
Mass	60g
Required number of base plates.	

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL
(Formerly, WEST BENGAL UNIVERSITY OF TECHNOLOGY)
Main Campus: Haringhata, Nadia, W.B.
Kolkata Office: BF-142, Sector –I, Salt Lake City, Kolkata -700 064
Phone: +91 33 2321-0731, 2321-1327 # Fax: +91 33 2321-7578, 2334-1034
Website: *www.makautwb.ac.in*
PAN: AAAJW0063D # GSTIN: 19AAAJW0063D1Z9 # TAN: CALW02602F

Robot can be controlled by user specific commands.
One day training - Product is plug and play, so installation is not required.
One year of free maintenance and warranty.

Instead of:

SL. No.	Item	Particulars	
1.	Manipulator Arm	DYNAMIXEL	XM430-W350-T
		Power Supply - SMPS 12V 5A	
		Output	12V 5A
		Supply Voltage	100 ~ 260V AC (Free Voltage)
		Jack Size	5.5mm (External diameter) x 2.5mm (Internal diameter)
		Freedom of degree	5 (4DOF + 1DOF Gripper)
		Payload	500g
		RPM (joint)	46RPM
		Weight (assembly)	700g
		Length	380mm
		Gripper stroke	20~75mm
		Interface U2D2	
		Dimension	48mm x 18mm x 14.6mm
		Weight	9g
		Available Ports	3 Pin TTL Level : TTL Communication supported DYNAMIXEL or Equivalent 4 Pin RS-485 : RS-485 Communication supported DYNAMIXEL 4 Pin UART : Controllers that support 4 Pin UART(such as CM-150 and CM-200)
2.	Desktop	Intel i5, 8GB, 1TB, 19.5" LED Screen, Keyboard, Mouse, Windows 10 Home, Speaker, Antivirus, with at least 1 Year warranty.	
3.	Printer	Laser Printers, Functions: Print scan and copy, Color output: Black and white, Print speed black 11 – 20, Output capacity: Up to 100 sheets, Paper handling input, standard: 150-sheet input tray, Scan speed (normal, letter): Up to 6 ppm (b&w), Print speed: Print speed up to 19 ppm (black), Copy speed black: Up to 18 cpm, Duty cycle (monthly, letter): Up to 8000 pages, Memory: 8MB, Warranty: at least 1 Year.	
4.	Projector	RGB liquid crystal shutter projection system, White Light Output (Normal/ Eco): around 3300lm / 2050lm, Color Light Output: around 3300lm, USB interface with USB Memory, Camera, Wireless LAN, USB Display, Mouse, Firmware Update, Provisions for Analog input, HDMI Port, from a reputed company with at least 1 year warranty.	

REGISTRAR
MAKAUT,WB