

शासकीय तंत्रनिकेतन मुंबई



(महाराष्ट्र शासनाची शैक्षणिक स्वायत्त संस्था)
४९, खेरवाडी, अली यावर जंग मार्ग, वांदे (पूर्व), मुंबई - ४०००४९
दूरध्वनी नं. ९०२९००१९२५ संकेतस्थळ : www.gpmumbai.ac.in
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No:GPM/Exam store-Q/2022-2023/67

Date :- 08/02/ 2023

Invitation for Quotation

1. Institute Website
2. Institute Notice Board
3. desk11@demaharashtra.gov.in/ mrkirad@gmailcom
4. romumbai@demaharashtra.gov.in / jrnikhade@gmailcom
5. rbtemumbai@msbte.com
6. Collector.mumbaisuburb@maharashtra.gov.in

Sub:- Quotation for Consumable Materials & Equipments/Toos (due on
dt. 17/02/2023)

Please send your sealed quotation for the following items on the terms and
conditions mentioned below. The quotation should be reached at institute on or before
17/02/2023.

ANNEXURE

Sr.No.	Name of the item with specification	Quantity required
01	As per Annexure list Attached	

TERMS AND CONDITIONS

1. The Quotations must be submitted in the drop box kept in store on or before
the 5.00 pm. Dt. 17/02/2023 Quotations will be opened next day at 2.30pm .
2. Materials should be quoted for standard makes.
3. Sealed envelope should be super scribed as quotations for photocopier for
Institute.
4. Taxes if extra should be mentioned in your offer letter separately. Otherwise
5. rates will be calculated as including taxes.
6. Rate should be valid for 6 Months from the date of confirmation letter.
7. Due any circumstances if you not able to supply the goods as per or
requirements, you have to inform us accordingly immediately
8. The undersigned reserves the right to accept or reject any offer or all offers
without assigning any reason thereof.

(Dr .Nitiket N. Mhala)
Principal,

Govt. polytechnic ,Bandra, Mumbai

Copy to- The Head of the IT Dept.for publishing on the Institute's webside in time limit

List Of Basic Equipments /

SR.NO	COMPONENTS	UNIT
1	DESOLDERING WIRE 5M	1
2	UNIVERSAL CHARGER	2
3	POWER ADAPTER 5V	5
4	SOLDERING WIRE	11
5	DESOLDERING PUMP	2
6	SOLDERING PASTE	10
7	AC TO DC POWER ADAPTER 12 V	5
8	RESISTOR KIT(ALL TYPES)	1
9	CAPACITOR KIT (ALL TYPES)	1
10	DIODE 1N 4007	50
11	DRILL MACHINE	1
12	DRILL BIT SET	2
13	GLUE GUN SMALL	2
14	GLUE GUN BIG	2
15	GLUE STICK SMALL	15
16	GLUE STICK BIG	15
17	JUMPER WIRE(ALL TYPES) SET	25
18	RAINBOW WIRE 10M	1
19	BREADBOARD	30
20	BREADBOARD SMALL	20
21	ZERO PCB	10
22	LED(RED, GREEN BLUE,WHITE, YELLOW)5MM (100 PICS PACK)	5
23	SCISSORS	4
24	SAND PAPER	5
25	DOUBLE SIDED TAPE	20
26	HEXABLADE CUTTER	1
27	HEXOBLADE	3
28	HAMMER	2
29	ATUTOMATIC SCREW DRIVER MACHINE	1
30	SCREW DRIVER SET EACH TYPE SCREW	1
31	RUBBER GLOVES PACKET	2
32	WIRE TAPE	10
33	TRANSFORMER(12 0 12)(3 AMP)	3
34	TRANSISITOR KIT	3
35	3D PRINTER FILAMENT 1KG (DIFFERENT COLOURS)	5
36	SINGLE SLIDE PCB (12*12)	5
37	LIQUID PCB LACQUER	2
38	MULTIMETER	2
39	GRAINDER	1
40	NOSE NP01	2
41	CUTTING PLIER	1
42	TWEEZER SET	1
43	CROCODILE CLIP	10
44	JUMPER CABLE CONNECTOR MALE TO MALE	20

45	JUMPER CABLE CONNECTOR FEMALE TO FEMALE	20
46	JUMPER CABLE CONNECTOR MALE TO FEMALE	20
47	PUSH BUTTONS	50
48	SIM CARD	2
49	CIRCUIT BOX	2
50	STEP DOWN VOLTAGE REGULATOR	2
51	PIEZO ELECTRONIC BUZZER CONTINUOUS SOUND (9V TO 12V)	3
52	BUZZER	20
53	KEYPAD	2
54	SPARK BUTTON 6X6	1
55	SWITCH	20
56	SPD SLIDE SWITCH	5
57	SELF LOCKING BUTTON SWITCH	5
58	SOLDERING IRON 60W	4
59	SOLDERING IRON 25W	4
60	WIRE CUTTER	5
61	PCB HOLDER STAND	2
62	FEVIQUICK BOTTLE	3
63	EXTENSION BOARD	1
64	SOLDER CLEANING WIRE	10
65	RASPBERRY PI ADAPTER	1
66	BATTERY CONNECTOR(MALE & FEMALE)9V	12
67	POWERBANK MODULE	2
68	TP 4056	10

~~WIRE CUTTER~~

48

SR.NO-1: GESTURE CONTROLLED ROBOTIC
COMPONENTS LIST-

SR.NO	COMPONENTS	UNIT
1	SERVO MOTOR – MG966R SERIES	10
2	SERVO DRIVER, PCA9685	2
3	ABS BASED 2-JAW ROBOTICS ARM GRIPPER	1
4	ARDUINO UNO	2
5	BLUETOOTH MODULE HC-05	2
6	BREADBOARD	1
7	JUMPER WIRES	1
8	NEMA 17 SERVO MOTOR	2
9	A4988 STEPPER MOTOR DRIVEP.	1
10	LIPO 11.1V, 2200MAH, 3S	1
11	FLEX SENSOR (2.2 INCH)	5
12	MPU6050 (ACCELEROMETER)	2
13	ARDUINO NANO	1
14	RESISTORS (10K)	1
15	RESISTORS (220R)	1
16	9V BATTERY	2
17	9V BATTERY CLIP	1
18	CAPACITOR (100NF)	2
19	BRAIDED CABLE SLEEVE	1

SR.NO-2: DRONE

COMPONENTS LIST-

SR NO	COMPONENT NAME	UNIT
1	T-MOTOR VELOX VELOCE V2207.5 V2 MOTOR 195KOV	6
2	BEITIAN DUAL BN 220GPS ANTENNA MODULE TTL	2
3	RADIOMASTER TX12 MKII HALL ELRS RADIO WITH RP1 EXPRESSLRS 2.4GHZ NANO RECEIVER	1
4	APEX DC HD 5" FPV FRAMEKIT	1
5	GEMFAN HURRICANE 51466 V2 3- BLADE PROPELLER -MKC EDITION (SET OF 4)	20 SETS
6	CADDX AIR UNIT MICRO VERSION FOR DJI DIGITAL HD FPV SYSTEM	1
7	CNHL MINI STAR 1500MAH 6S 120C LIPO BATTERY	2
8	DIATONE MAMBA DJI F722 MK2	1
9	MAMBA FCS 128K BL32 4NI1 ESC 65A 6S	1
10	SCREW SET M3, M4 SCREW SET	1

42

R.NO-3: PERSISTENCE OF VISION

COMPONENTS LIST-

SR.NO	COMPONENTS	UNIT
1	ARDUINO NANO	1
2	IR SENSOR	2
3	RESISTOR 220 OHM (PACK)	1
4	DC MOTOR RS PRO GEAR 5.75 W 6 TO 15V	1
5	LED'S(ALL COLORS) SET	1
6	BATTERY 9V SET	1
7	JUMPER WIRE(MALE TO MALE,FEMALE TO FEMALE , MALE TO FEMALE) SET	1
8	PCB	2
9	POWER SUPPLY 5V	1

SR NO	COMPONENTS NAME	UNIT
1	ARDUINO NANO 33 IOT	1
2	DF ROBOT AS7341 11-CHANNEL VISIBLE LIGHT SENSOR.	1
3	RASPBERRY PI 4 MODEL B	1
4	RASPBERRY PI 3 MODEL B+	1
5	10K POTENTIOMETER (LONG -SHAFT) POTENTIOMETER KNOB	1
6	SPARK FUN BUTTON	6
7	5 MM LED: RED	1 PACK
8	5 MM LED: GREEN	1PACK
9	SOLDERLESS BREADBOARD FULL SIZE	1



9

SR.NO-5: MINIATURE HUMANOID ROBC

COMPONENTS LIST -

SR.NO.	COMPONENTS	UNIT PRICE
1	RASPBERRY PI 3B+	10000
2	SERVO MOTOR MG995 12 PIECE	416
3	PCA9685 SERVO DRIVER 2 PIECE	800
4	NODE MCU ESP8266 3 PIECE	600
5	ESP32 DEV MODULE 2 PIECE	1275
6	128X64 OLED DISPLAY 2 PIECE	500
7	3D FILAMENT 4 PIECE DIFFERENT COLOUR	1250
8	RASPBERRY PI V2 NOIR CAMERA 8 MP 2 PIECE	1000

SR.NO-6: PLANT WATERING SYSTEM

COMPONENTS LIST-

SR.NO	COMPONENTS	UNIT PRI
1	ARDUINO UNO R3 WITH CABLE	1900
2	RELAY BOARD 4 CHANNEL 5V	300
3	SOIL SENSOR	200
4	SUBMERSIBLE COOLER MOTOR	400
5	JUMPER WIRE PACK OF 3 MTO M MTO F AND F TO F	100

~~10/11/2023~~

42

SR.NO-7: DJI FPV GOGGLES V2

COMPONENTS LIST-

SR.NO	COMPONENTS	UNIT
1	DJI FPV GOGGLES V2	1

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SR.NO-8: SMART MIRROR

COMPONENTS LIST-

SR.NO	ITEM	UNIT PRICE
1	RASBERRY PI 3 (8GB)	11,000
2	TEMPERATURE SENSOR	1000
3	HUMIDITY SENSOR	1000
4	LIGHT SENSOR	1000
5	MONITOR DISPLAY SCEPTRE E275W-19203R 27 INCH1080P LED MONITOR 99% SRGB 2X HDMI VGA BUILD-IN SPEAKERS, MACHINE BLACK (E275W-19203R SERIES)	12,700
6	POWER SUPPLY	900
7	2 WAY MIRROR 27INCH	9,999
8	USB MIC	1500
9	SOUND CARD	2500
10	SPEAKERS	1200
11	HDMI CABLE	400
12	SD CARD (128GB)	1600
13	CARD READER	600
14	RASPBERRY PI CHARGER	800
15	RJ45 ETHERNET CABLE	600
16	LED CABLE (2700K) 5M	500

SR.NO-9: FOOTSTEP POWER GENERATION

COMPONENTS LIST-

SR NO	COMPONENTS NAME	UNIT
1	EVA (45 CM X 150 CM) 1.5 METERS MULTIPURPOSE STRONG WATER PROOF ANTI SLIP MAT	6
2	LI-ION 12V 7AH LITHIUM RECHARGEABLE BATTERY WITH BMS PROTECTION	1
3	PIEZO ELECTRIC SENSORS 50MM	150
4	BLACK RED WIRES BUNDLE	1
5	RAINBOW WIRE 15M	1
6	ARDUINO UNO R3	1
7	LI-ON BATTERY 18650 2000MAH	4
8	DC TO DC BUCK CONVERTER	1
9	16X2 LCD DISPLAY WITH I2C	1
10	POWER BANK MODULE 5V STEP UP 134N3P	1
11	ZERO PCB 10X7.5CM	PACK OF 4
12	CAPACITOR 16V 5000UVF	2
13	DIGITAL DC VOLT METER AMPERE METER	1
13	SPDT SIDE SWITCH	1
14	JUMPER WIRE	5 SET EACH TYPE
15	DOUBLE SIDED TAPE	2
16	NORMAL BLACK RED CONNECTING WIRES	2 SET BLACK 2 SET RED
17	TRANSPARENT ACRYLIC SHEET 30X30CM	2
18	TRANSPARENT ACRYLIC SHEET 15X15CM	2

महान मंंबई



19	PIEZO ELECTRIC SENSOR 35MM	15
20	ACRYLIC SHEETS 45X150CM	3

TOTAL 1750

42