Reference: CSIO/MSSA/HCP0057/207

**Subject:** Call for Expression of Interest (EoI)/quotation for the purchase of goods/fabrication job work for the ongoing project activities- reg

It is informed that following items are proposed to be purchased /fabricated. Interested parties are requested to **submit quotation** through email/hard copyto the undersigned **within next three days** from the date of publishing of notice.

### Items/Goods/Job work required

Sr. No.	Description of the items/Goods/Jobwork	Quantity
1.	Fabrication, assembly and testing of Sensor Components as given below:	
	a) pH Sensor	02
	b) Amperometric Sensor	02
	c) Colour Sensor	02

### **Terms and Conditions:**

Delivery: For CSIR-CSIO, Chandigarh Lead time/delivery time: 2-3 weeks

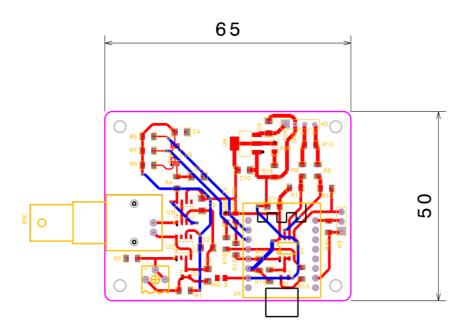
Payment: After delivery and successful inspection

- Fairny

Dr Babankumar S. Bansod Senior Principal Scientist & Project Leader 9888520252; scientist\_babankumar@csio.res.in

**HEAD ISD**, with a request to display on the CSIO website

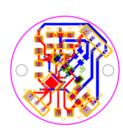
# pH sensor with components



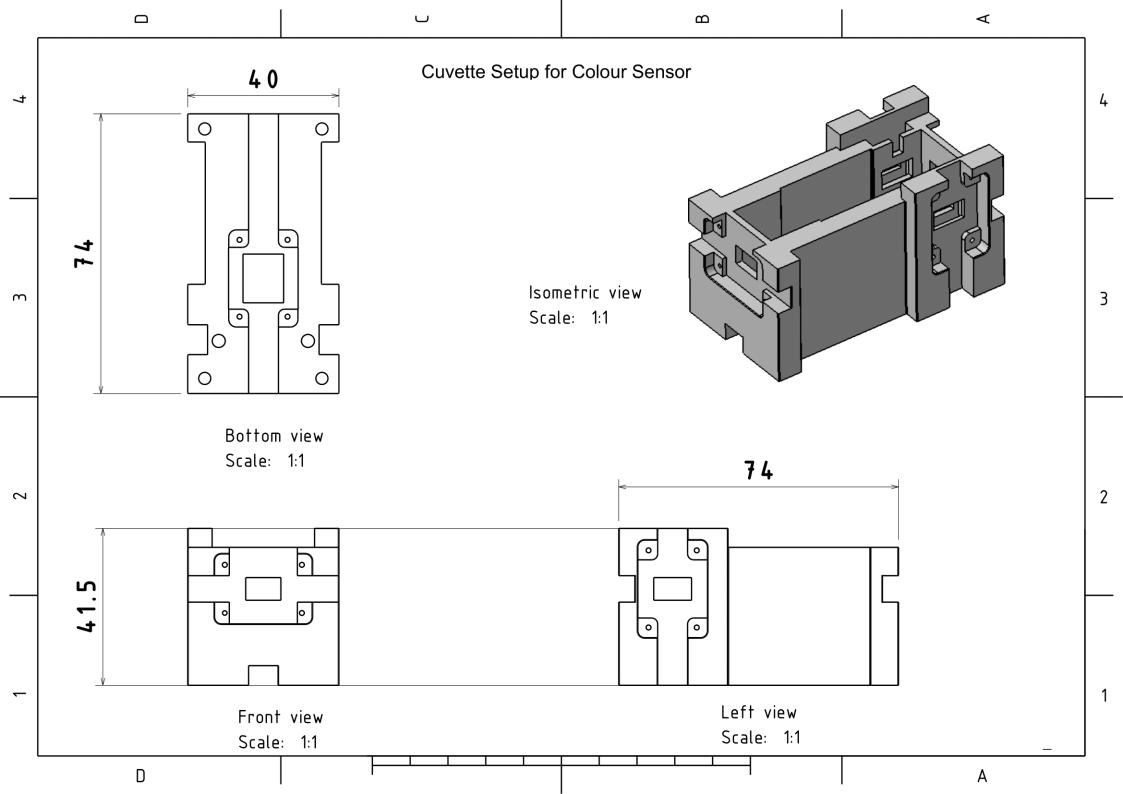
ID	Name	Designator	Footprint
1		100 R4	R1206
2	ADS1115IDGST	U5	VSSOP-10_L3.0-W3.0-P0.50-LS4.9-BL
3	1-1337543-0	BNC	BNC-TH_1-1337543-0
4	0.1u	C1,C2,C3,C4,C5,C11	C1206
5	10u	C9,C10	C1206
6	RS485	H2	HDR-F-2.54_1X4
7	DS18B20	H3	HDR-F-2.54_1X3
8	LED-0805_R	485-RX,485-TX,PWR	LED0805_RED
9	MMBT2222ALT1G	Q1	SOT-23-3_L2.9-W1.3-P1.90-LS2.4-BR
10	TL431BIDBZR	U1	SOT-23-3_L2.9-W1.3-P1.90-LS2.4-BR
11	1k	R1	R1206
12	10k	R3,R5,R6,R7	R1206

13	10	R8,R9	R1206
14	4.7K	R10,R11,R13,R14,R15,R20	R1206
15	120	R12	R1206
16	1K	R17,R18,R19	R1206
17	20ΚΩ	R2	RES-ADJ-TH_3362P
18	LMP7721MAX/NOPB	U2,U3	SOIC-8_L4.9-W3.9-P1.27-LS6.0-BL
19	DFR1117 Beetle ESP32 C6 Mini	U4	BEETLE BOARDS THT
20	AMS1117-5.0RG	U6	SOT-223-3_L6.4-W3.5-P2.30-LS7.0-BR
21	MAX485ECSA-T	U7	SOIC-8_L5.0-W4.0-P1.27-LS6.0-BL

# Amperometric\_Sensor PCB with SMD components



ID	Name	Designator
1	10k	R1,R2,R5,R6,R7
2	HDR-F-2.54_1x2	5V
3	LED-0805_R	L
4	0.1u	C4,C5
5	ELECTRODE CONNECTION	H1
6	HDR-F-2.54_1x4	H3
7		100 R4
8	1K	R19
9	LMP91000SDE/NOPB	U2
10	ADS1115IDGST	U5
11	1-1337543-0	BNC
12	0.1u	C1,C2,C3,C4,C5,C11
13	10k	R3,R5,R6,R7
14	4.7K	R10,R11,R13,R14,R15,R20



### Main PCB for colour sensor with components

