
	<b>Society for Applied Microwave Electronics Engineering &amp; Research (SAMEER ), Kolkata Centre</b> <i>(R &amp; D Laboratory of Ministry of Electronics &amp; Information Technology, Govt. Of India)</i>	Record Number PUR/03 Issue No./Date: 01 / 01.04.2015 Rev. No./Date: 00/Nil Page 1 of 1
	<b>ENQUIRY</b>	
<b>Enquiry Ref No: SMR(K)/48/13915/C/M71/SB/22</b> <b>Date : 13<sup>th</sup> May, 2022</b>		<b>Due date : 25<sup>th</sup> May, 2022</b> 

**Dear Sirs,**

Sealed quotations are invited from the reliable supplier/OEM/Indian Agent for procurement of components as per below specifications. Kindly go through the same and submit their competitive price subject to the terms and conditions set out hereunder. The vendors who are only capable of providing COC as per below terms & conditions will participate in this tender:

Description of Components	Quantity
<b>Please see ANNEXURE</b>	
<u>Vendors may participate in this tender who are only able to quote at least 80% of the component.</u>	
<u>Serial No. of each components : Serial of each component as mentioned in Annexure-IV only will be mention in your quotation against each components while quoting. You do not mention your Srl No.</u>	

**A. General Instruction:**

**i. Submission of Quotation through Email:** Vendors may submit their quotation through email (purchase@mmw.sameer.gov.in) with **PASSWORD PROTECTED** file and password should be sent on completion of due date. You are requested to fill the “subject” checkbox of the email with “Tender Ref No”. to locate your email in mailbox.

**OR**

**Submission of Quotation through post / by hand :** Sealed quotation should be submitted to the following address :

Head A &AO  
SAMEER Kolkata Centre  
Plot-L2, Block GP, Sec-V,  
Salt Lake Electronics Complex, Kolkata-7000091

ii. In case of sealed quotation, envelop should be superscribed tender Reference No on the envelope. SAMEER will not be responsible for any postal delay.

**B. Terms and Conditions:**

**i. PRICE Should be quoted in Indian Rupees (INR).**

- ii. **QUOTED PRICE** should be included freight, insurance, packing charges etc as applicable. Hence any charges mentioned extra, if any, will not be considered.
- iii. **FREIGHT** : must be included in the quoted price. No other terms of Freight like Ex-works, freight at actual will not be acceptable, hence charges of freight must be included in the quoted price.
- iv. **GST** should be mentioned clearly which should not be included in the above quoted price.
- v. **Restriction of country /countries imposed for import** : As per guideline of procurement rules GFR,2017 (OM No. F.NO.6/18/2019-PPD dt 23rd July,2021 and F.No. 6/18/2019-PPD Dt 23rd July,2020 issued by Ministry of Finance, Dept. of Expenditure, Govt. of India) where restrictions from country / countries/a class of countries (**sharing land border with India**) has been imposed. Relevant document (s) as per above OM are required to be submitted by the bidder.
- vi. **Custom duty** : Suppliers may avail advantage of duty exemption. SAMEER is registered with DSIR under the notification No. 51/96 -Customs for exemption of Custom Duty only. Duty exemption certificate should be processed at least 10 days in advance on intimation. Please note that SAMEER will provide only duty exemption certificate. **If there is any duty, over and above the exempted amount, will be borne by you. Hence consider accordingly while quoting.**
- vii. **Payment** will be made after delivery and installation (if applicable) by RTGS/NEFT.
- viii. **Quoted price should be included freight , insurance, packing charges etc as applicable.**
- ix. **\_COC (Certificate of compliance)** : Please note that COC must be provided alongwith shipment failing which material will not be accepted. COC either only from Manufacturer (OEM) or Authorized Distributor (authorization certificate to be submitted, if demanded,) of OEM is acceptable.
- x. **Bid evaluation process** : Quotation will be evaluated based on technical specifications as per enquiry by tender committee and necessary clarification, if required, will be sought through email from suppliers. After satisfaction of technical suitability price will be taken into account in price comparison to arrive L1 bidder.
- xi. Acceptability of the extent of variation in specifications on evaluation of technical data sheet wherever applicable will be decided by the competent authority based on technical suitability and shall be bound by the bidders.
- xii. **Delivery** shall be made within 4 / 5 weeks on receipt of the order.
- xiii. **Warranty** should be mentioned clearly, if applicable for this item.
- xiv. **Validity** of quotation should be minimum 45 days from the due date.
- xv. **If any vendors who have not participated in earlier tender/ enquiry, kindly submit your credential dealing with components for the last 3 years with any Govt.bodies (state/ Central) / or limited companies.**
- xvi. SAMEER reserves the right to reject this tender without assigning any reason.

For any technical clarification please contact our concerned scientist-D, Shri. Sukhendu Bhanja (email: [sukhendu.bhanja@mmw.sameer.gov.in](mailto:sukhendu.bhanja@mmw.sameer.gov.in)>/Ph : 033-2357-4875 / 4894)  
Please mention Enquiry Ref No. in all future correspondence.

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Plot-L2, Block-GP, Sec-V, Salt Lake Electronics Complex, Kolkata- 700091, INDIA  
Ph : 091-33-2357-4875 / 2357-4894 Fax : 091-33-2357-4950,  
E-mail : [purchase@mmw.sameer.gov.in](mailto:purchase@mmw.sameer.gov.in)

**ANNEXURE**  
**SMD Components**

Sl.No.	Part No.	Description	Quantity
1	MAPS-010163	Phase Dec/Shifter	50
2	MTVA0300N09	RF Attenuator	50
3	LM27762DSSR	Voltage Regulator	50
4	TPS7A4701RGWR	Voltage Regulator	50
5	TPS5450MDDAREP	Switching Voltage Regulator	50
6	LM22674-ADJ	Regulator	25
7	PIC12F1840	Micro-controller	50
8	PIC18F4520-I/PT	Micro-controller	10
9	HMC694LP4	Amplifier	60
10	HMC3653LP3BE	Amplifier	60
11	HMC232ALP4E	SPDT Switch	25
12	ADM7150	Regulator	100
13	LTC6948	Frequency Synthesizer	50
14	HMC470ALP3E	Digital attenuator	50
15	HMC539ALP3E	Digital attenuator	50
16	ADM3491ARZ-1	RS-422/RS-485 Interface IC	25
17	SPD18P06PGBTMA1	MOSFET	50
18	06035A100JAT2A	10pF 0603	200
19	06035A101JAT2A	100pF 0603	500
20	MC0603B102K500CT	1000pF 0603	500
21	C0603C202J5GACTU	2000pF 0603	300
22	C0603C103K5RACTU	0.01uF 0603	300
23	C0603C562K5RACTU	5600pF 0603	50
24	C0603C104K5RACTU	0.1uF 0603	300
25	0603YC105KAT2A	1uF 0603	500
26	C2012X5R1H225K125AB	2.2uF 0805	500
27	CGA4J3X5R1H475K125AB	4.7uF 0805	100
28	12063D106KAT2A	10uF 1206	100
29	GRM21BR61E106KA73L	10uF 0805	300
30	C2012X5R1V226M125AC	22uF 0805	50
31	CC0603KRX7R8BB103	0.01UF 0603	20
32	C0603C104K5RAC3121	0.1uF 0603	20
33	C0603C104K5RAC3121	0.1uF 0603	200
34	0603YC105KAT2A	1uF 0603	200
35	06033W105KAT2A	1 uF (0603)	100
36	C0603X102K5GACTU	100 pF (0603)	50
37	12106D107MAT2A	100 uF (1210)	100
38	116TGA101K100TT	100 pF (SLC)	150
39	06035F103K4Z4A	10 nF (0603)	100
40	06033W105KAT2A	1 uF (0603)	100
41	0603ZD106KAT2A	10 uF (0603)	100
42	C0603X222M5RACAUTO	Cap 0603 SRF>140MHz 2200pF	200
43	ECS-TXO-2520-33-400-AN-TR	TCXO	15
<b>44</b>	<b>Part No.</b>	<b>Description</b>	<b>Quantity</b>
45	GRM1885C1H103JA01D	CAP CER 10000PF 50V	200

**ANNEXURE**  
**SMD Components**

		C0G/NP0 0603	
46	GRM1885C1H222JA01J	CAP CER 2200PF 50V C0G/NP0 0603	200
47	GRM155C71H104KE19D	CAP CER 0.1UF 50V X7S 0402	250
48	GCM1885C2A102JA16D	CAP CER 1000PF 100V C0G/NP0 0603	250
49	GCM1885C2A331JA16D	CAP CER 330PF 100V C0G/NP0 0603	200
50	GRM188R61E106MA73J	CAP CER 10UF 25V X5R 0603	250
51	GRT188R71E105KE13D	CAP CER	200
52	GQM1875C2E101JB12D	CAP CER 100PF 250V C0G/NP0 0603	150
53	GCM1885C2A560JA16D	CAP CER 56PF 100V C0G/NP0 0603	100
54	GCJ188R71C104KA01D	CAP CER 0.1UF 16V X7R 0603	200
55	GRT188R61H225KE13D	CAP CER 2.2UF 50V X5R 0603	100
56	ZRB18AR6YA475ME05L	CAP CER 4.7UF 35V X5R 0603	100
57	C0603C242J5GACTU	Multilayer Ceramic Capacitors MLCC - SMD/SMT 50V 2400pF 0603 C0G 5%	50
58	GCJ188R71H104KA12D	Multilayer Ceramic Capacitors MLCC - SMD/SMT 0603 50volts 0.1uF X7R 10% Soft Term	100
59	C0603C560J1GACAUTO	Multilayer Ceramic Capacitors MLCC - SMD/SMT 100V 56pF C0G 0603 5% AEC-Q200	100
60	GCM1885C2A101JA16D	Multilayer Ceramic Capacitors MLCC - SMD/SMT 0603 100pF 100volts C0G 5%	100
61	C0603X102K5RAC3316	Multilayer Ceramic Capacitors MLCC - SMD/SMT 50V 1000pF X7R AUTO 5mm Flex VW80808	100
62	C0603X103K1RAC3316	Multilayer Ceramic Capacitors MLCC - SMD/SMT 100V .01uF X7R AUTO 5mm Flex VW80808	100
63	C0603C479C5GACTU	Multilayer Ceramic Capacitors MLCC - SMD/SMT 50V 4.7pF 0603 C0G 0.25pF	50
64	ZRB18AR61E106ME01L	Multilayer Ceramic Capacitors MLCC - SMD/SMT 0603 10uF 25volts X5R +/-20% Soft Term	100
65	C0603C470K5RACAUTO	Multilayer Ceramic Capacitors	50

**ANNEXURE**  
**SMD Components**

		MLCC - SMD/SMT 50V 47pF X7R 0603 10% AEC-Q200	
66	GRT188R61H105KE13D	Multilayer Ceramic Capacitors MLCC - SMD/SMT 0603 50Vdc 1.0uF X5R 10%	100
67	CGA3E1X8R1E334K080AE	Multilayer Ceramic Capacitors MLCC - SMD/SMT SOFT 0603 25V 0.33uF X8R 10% AEC- Q200	50
68	C0603X331K1RACAUTO	Multilayer Ceramic Capacitors MLCC - SMD/SMT 100V 330pF X7R 0603 10% Flex AEC-Q200	50
69	C0603C109B1GACTU	Multilayer Ceramic Capacitors MLCC - SMD/SMT 100V 1pF 0603 C0G 0.1pF	100
70	GRM188R61E225KA12D	Multilayer Ceramic Capacitors MLCC - SMD/SMT 0603 2.2uF 25volts X5R 10%	50
71	GRM188R61A226ME15D	Multilayer Ceramic Capacitors MLCC - SMD/SMT 0603 22uF 10volts *Derate Voltage/Temp	50
72	GRM1885C1H392JA01D	Multilayer Ceramic Capacitors MLCC - SMD/SMT 0603 3900pF 50volt C0G +/-5%	50
73	0805B104J101CT	Multilayer Ceramic Capacitors MLCC - SMD/SMT 0805 MLCC X7R 0.1 uF +/- 5% 100 V T&R GP	40
74	C0805C393K5RACAUTO	Multilayer Ceramic Capacitors MLCC - SMD/SMT 50V 0.039uF X7R 0805 10% AEC- Q200	40
75	GRJ21BC72A105KE11L	Multilayer Ceramic Capacitors MLCC - SMD/SMT 0805 1.0uF 100volts X7S +/-10% Soft Term	100
76	C0805C103K5GEC7210	Multilayer Ceramic Capacitors MLCC - SMD/SMT 50V 0.01uF C0G 0805 10% AEC- Q200	50
77	C0603C104K5RAC7082	Multilayer Ceramic Capacitors MLCC - SMD/SMT 50V .1uF X7R 0603 0.1	100
78	C0603C224K4RAC7411	Multilayer Ceramic Capacitors MLCC - SMD/SMT 16V 0.22uF 0603 X7R 10%	100
79	C1206X475K5RACAUTO	Multilayer Ceramic Capacitors MLCC - SMD/SMT 50V 4.7uF X7R 1206 10% AEC-Q200	100

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**SMD Components**

80	810-CKG32KX7S1H106KH	Multilayer Ceramic Capacitors MLCC - SMD/SMT CKG 1210 50V 10uF X7S 10% T: 3.35mm	50
81	963-EMF212B7225KGHT	Multilayer Ceramic Capacitors MLCC - SMD/SMT 0805 16VDC 2.2uF 10% X7R AEC- Q200	50
82	963-JMK105BJ105KV-F	Multilayer Ceramic Capacitors MLCC - SMD/SMT 1uF 6.3V X5R +/-10% 0402 Gen Purp	100
83	GRM155R6ICI05KA12D	1mF 0402	100
84	T498X476K035ATE500	Tantalum Capacitor 47uF 10% 35V 2917	200
85	CGA8M3X7R1H475K200KB TDK	CAP CER 4.7UF 50V X7R 1812	100
86	C1608X7R1H103K080AA TDK	CAP CER 10000PF 50V X7R 0603	100
87	10TPB330M Sanyo	CAP TANT POLY 330UF 10V 2917	100
88	CGA5L1X7R1H106K160AE	Capacitor 10uF 50v X7R 1206	100
89	06035D103JAT2	A Capacitor 50V 0.01uF X5R 0603 5%	100
90	CGA3E1X7R1E105K080AD	Capacitors MLCC - SMD/SMT EPXY 0603 25V 1uF X7R 10%	200
91	CGA5L1X7R1H106K160AE TDK	Capacitors MLCC - SMD/SMT 1206 50VDC 10uF 10% X7R	100
92	C0603C103K3RAC7411 KEMET	Capacitors MLCC - SMD/SMT 25V 0.01uF 0603 X7R 10%	200
93	GMK212BBJ106KG-T Taiyo Yuden	Capacitors MLCC - SMD/SMT 35volts 10uF X5R 10% 0805	100
94	GRT188R61H225KE13D	CAP CER 2.2UF 50V X5R 0603	100
95	CRT0603BY10R0ELF	10R 0603	200
96	CRCW06030R0FKEA	50R 0603	50
97	<u>CRGP0603F120R</u>	120R 0603	50
98	CRG1206F120R	120R 1206	50
99	CR0603FX3300ELF	330R 0603	200
100	CRG0603J1K0	1K 0603	200
101	CRCW06031K10FKTA	1K 0603	200
102	CRCW06037K32FKEA	7.32K 0603	100
103	ERA3ARW103P	10K 0603	50
104	CPF0805B1K0E	1K 0805	100
105	MCWR06X2200FTL	220R 0603	200
106	CRCW08051K10FKTA	19.1K 0805	100
107	ILBB0603ER151V	150 ohm (0603)	100
108	MMZ0603S100CTD25	10 ohm (0603)	100
109	RT0603BRE0750RL	Thin Film Resistors - SMD 1/10W 50 Ohm 75V .1%	100
110	C0603C242J5GACTU	Multilayer Ceramic Capacitors	250

**ANNEXURE**  
**SMD Components**

		MLCC - SMD/SMT 50V 2400pF COG 0603 5%	
111	RC0603FR-134K7L	Thick Film Resistors - SMD 4.7 kOhms 100-200mW 0603 1%	300
112	CRCW060333R2FKEAC	Thick Film Resistors - SMD 1/10Watt 33.2ohms 1% Commercial Use	200
113	ERA-8AEB1270V	Thin Film Resistors - SMD 1206 127ohm 25ppm 0.1% AEC-Q200	100
114	ERA-3AHD360V	Thin Film Resistors - SMD 0603 36ohms 50ppm 0.5% AEC-Q200	200
115	CRCW060310K0FKEAHP	Thick Film Resistors - SMD 1/10Watt 10Kohms 1% Commercial Use	300
116	CRCW06031K00JNEAC	Thick Film Resistors - SMD 1/10Watt 1Kohms 5% Commercial Use	300
117	CRCW0603100RFKEAC	Thick Film Resistors - SMD 1/10Watt 100ohms 1% Commercial Use	200
118	CRCW06030000Z0EBC	Thick Film Resistors - SMD 1/10Watt 0ohms Commercial Use	200
119	CRCW06033K90FKEAC	Thick Film Resistors - SMD 1/10Watt 3.9Kohms 1% Commercial Use	100
120	CRCW0603100KJNEAC	Thick Film Resistors - SMD 1/10Watt 100Kohms 5% Commercial Use	200
121	CRCW0603169KFKTA	Thick Film Resistors - SMD 1/10watt 169Kohms 1%	100
122	RK73H1JTTD1743F	Thick Film Resistors - SMD 1/10watt 174Kohms 1%	100
123	ERJ-3RED3163V	Thick Film Resistors - SMD 0603 Resistor 0.5% 100ppm 316KOhm	100
124	RC0603FR-07309KL	Thick Film Resistors - SMD 309 kOhms 100mW 0603 1%	100
125	3224X-1-104E	Trimmer Resistors - SMD 4mm 100Kohms 10% Square Cermet Sealed	20
126	ERJ-3EKF1240V	Thick Film Resistors - SMD 0603 124ohms 1% AEC-Q200	100
127	3224X-1-502E	Trimmer Resistors - SMD 4mm 5Kohms 10% Square Cermet Sealed	40
128	CRCW060310K0FKEA	Thick Film Resistors - SMD	50



**ANNEXURE**  
**SMD Components**

		1/10watt 10Kohms 1%	
129	RCS060351R1FKEA	Thick Film Resistors - SMD 0.25watt 51.1ohms 1% 100ppm	100
130	CRCW0603330KFKEAC	Thick Film Resistors - SMD 1/10Watt 330Kohms 1% Commercial Use	50
131	CRCW0603113KFKEAC	Thick Film Resistors - SMD 1/10Watt 113Kohms 1% Commercial Use	50
132	CRCW0603182KFKEA	Thick Film Resistors - SMD 1/10watt 182Kohms 1%	50
133	MCT06030C2400FP500	Thin Film Resistors - SMD .1W 240ohms 1% 0603 50ppm	50
134	RN73H1JTTD3360B50	Thin Film Resistors - SMD 336Ohm,0603,0.1%,50p pm,100mW,75V	100
135	CRCW0603100KFKEA	Thick Film Resistors - SMD 1/10watt 100Kohms 1%	100
136	CRCW060366K5FKEA	Thick Film Resistors - SMD 1/10watt 66.5Kohms 1%	100
137	CRCW0603100RFKEA	Thick Film Resistors - SMD 1/10watt 100ohms 1%	100
138	CRCW06031K00JNEA	Thick Film Resistors - SMD 1/10watt 1.0Kohms 5%	100
139	CRCW0603127RFKEAHP	Thick Film Resistors - SMD 1/4watt 127ohms 1% High Power AEC-Q200	100
140	CRCW06034K70JNEA	Thick Film Resistors - SMD 1/10watt 4.7Kohms 5%	100
141	CRCW0603976RFKEA	Thick Film Resistors - SMD 1/10watt 976ohms 1%	100
142	CRCW06031K54FKEA	Thick Film Resistors - SMD 1/10watt 1.54Kohms 1%	100
143	CRCW06032K55FKEA	Thick Film Resistors - SMD 1/10watt 2.55Kohms 1%	100
144	CRCW06037K32FKEA	Thick Film Resistors - SMD 1/10watt 7.32Kohms 1%	100
145	RQ73C1J26K1BTDF	Thin Film Resistors - SMD RQ 0603 26K1 0.1% 10PPM 1K RL	100
146	CHP0603-FX-6801ELF	Thick Film Resistors - SMD ResHighPower 0603 6k80 1% 1/3W TC100	100
147	CRCW06030000ZSTA	Thick Film Resistors - SMD 1/10watt 0 ohm Jumper	100
148	RQ73C2A33R2BTDF	Thin Film Resistors - SMD RQ 0805 33R2 0.1% 10PPM 1K RL	50
149	ERJ-6RBD2400V	Thick Film Resistors - SMD 0805 Resistor 0.5% 50ppm 240Ohm	100

**ANNEXURE**  
**SMD Components**

150	TNPW1206127RBEEN	Thin Film Resistors - SMD 127ohms .1% 25ppm	100
151	CRCW06033K90FKEAC	Thick Film Resistors - SMD 1/10Watt 3.9Kohms 1% Commercial Use	100
152	CPF0603F174KC1	Thin Film Resistors - SMD CPF 0603 174K 1% 50PPM 1K RL	100
153	ERJ-PA3F2323V	Thick Film Resistors - SMD 0603 232Kohm 1% Anti-Surge AEC-Q200	100
154	ERJ-PA3D1002V	Thick Film Resistors - SMD 0603 10Kohm 0.5% Anti-Surge AEC-Q200	100
155	ERJ-PA3F4750V	Thick Film Resistors - SMD 0603 475ohm 1% Anti-Surge AEC-Q200	100
156	ERJ-P03F1240V	Thick Film Resistors - SMD 0603 124ohms 0.2W 1% AEC- Q200	100
157	652-CR0603FX-33R2ELF	Thick Film Resistors - SMD 33.2 ohm 1%	100
158	71-TNPW1206127RBEEN	Thin Film Resistors - SMD 127ohms .1% 25ppm	50
159	652-CR0603-JW-360ELF	Thick Film Resistors - SMD 36 OHM 5%	100
160	652-CHP1206AFX1002EL	Thick Film Resistors - SMD ResHighPowerA 1206 10k 1% 3/4W TC100	100
161	RT0603DRE07220RL	220R	100
162	RT0603FRE0724RL	24R	100
163	RC1206IR-0710KL	10K R	100
164	CRCW060310K0FKEAC	Thick Film Resistors - SMD 1/10Watt 10Kohms 1% Commercial Use	300
165	1N4148	Diodes - General Purpos	100
166	CDLL4689	Zener diode 5V	100
167	B540CQ-13-F Diodes Inc	DIODE SCHOTTKY 40V 5A SMC	50
168	LED GREEN 150060VS75000 0603		100
169	1N4148	Diodes - General Purpose	100
170	CDLL4689	Zener diode 5V	100
171	B540CQ-13-F Diodes Inc	DIODE SCHOTTKY 40V 5A SMC	50
172	LED GREEN 150060VS75000 0603	LED GREEN	100
173	MHQ0603P10NHT000	Inductor 10nH	200
174	L0603B100MPWFT	Inductor 10uH	200
175	0805HP-121XJRB	Fixed Inductors 120nH 5%	30

**ANNEXURE**  
**SMD Components**

		0.62A DCR=0.293Ohms	
176	0805LS-102XJLC	Fixed Inductors 0805LS AEC-Q200 1uH 5% 0.5A Cer/Ferr	30
177	0603AF-121XJEU	Fixed Inductors 0603AF Ferrite Chip 120 nH 5% 1.4A	50
178	744917122	Fixed Inductors WE-KIHC SMT Wire Wound Ceramic Inductor; Size 0603; L = 22 nH +-2%; Qmin = 35; RDCmax = 0.14	50
179	0603AF-103XJRU	Fixed Inductors 0603AF Ferrite Chip 10000 nH 5 % 0.18 A	50
180	74479763210	Fixed Inductors WE-PMI 0603 1uH 750A 300Ohm	50
181	LQW18CAR12J00D	320nH	50
182	PA4340.103ANLT	FIXED IND 10UH 3.8A	50
183	EXL1V0505-100-R	FIXED IND 10UH 5A	50
184	CDRH127/LDNP-150MC	FIXED IND 15UH 5.65A	50
185	IMC0805ER100J01	Fixed Inductors 10UH 5%	100
186	Solder material	SVICTOR Sn62/Ag2/Pb36-22SWG RMA Core Wire	10 Kg
187	Schottky Diodes	MA4E2502M	100