

**Central Glass & Ceramic Research Institute  
KOLKATA (WEST BENGAL) INDIA**

**CORRIGENDUM**

REFERENCE NO. :- P/I/NC/184/ARC/DB/OT/20-21

DATE: 18/02/2021

**NAME OF EQUIPMENT: ELECTRICALLY HEATED FURNACE FOR MELTING OF  
SPECIALTY HIGH DENSITY GLASSES IN 40L REFRACTORY POT THROUGH  
BOTTOM POURING TECHNOLOGY**

**NOTE: THE BIDS MUST BE SUBMITTED IN THE CENTRAL PUBLIC PROCUREMENT  
PORTAL (URL: [HTTPS://ETENDERS.GOV.IN/EPROCURE/APP](https://etenders.gov.in/eprocure/app)) ONLY.  
MANUAL/OFFLINE BIDS SHALL NOT BE ACCEPTED UNDER ANY  
CIRCUMSTANCES.**

**CONSEQUENT TO THE PRE-BID MEETING HELD ON 29/01/2021, THE REVISED  
SPECIFICATION OF “ELECTRICALLY HEATED FURNACE FOR MELTING OF  
SPECIALTY HIGH DENSITY GLASSES IN 40L REFRACTORY POT THROUGH  
BOTTOM POURING TECHNOLOGY” IS GIVEN OVERLEAF:**

**E-PROCUREMENT ON OPEN TENDER TO BE QUOTED IN INR ONLY  
(RESERVED FOR LOCAL SUPPLIERS AS PER MAKE IN INDIA POLICY)**

## SPECIFICATIONS OF ELECTRICALLY HEATED FURNACE FOR MELTING OF SPECIALTY HIGH DENSITY GLASSES IN 40L REFRACTORY POT THROUGH BOTTOM POURING TECHNOLOGY

Type: Electrically Heated specialty glass melting Furnace with bottom pouring facility and PID control system.

**Purpose:** The furnace will be utilized for melting of specialty high density RSW glass at 1180°C.

Salient Technical specification of the proposed furnace		
1.	Internal chamber size:	The furnace chamber should be sufficient enough to accommodate a 40L Refractory Pot vertically, as shown in the attached drawing. However manufacturer should specify the internal chamber size in their offer.
	Furnace top opening diameter:	400 mm
2.	Details of the 40L refractory pot to be loaded:	
	Internal Capacity	40 L
	Outer Diameter of the pot	415 mm
	Height of the pot	875 mm
	Weight of the pot to be loaded	100 kg
	Weight of glass to be melted per batch	200 kg
3.	Temperature:	
	Furnace operating temperature	1180°C
	Maximum furnace temperature	1250°C
	Temperature uniformity	±8°C during Soaking throughout the heating zone at 1180°C after 30 mints.
	Melting cycle:	Refer Table 1
4.	Refractory / Insulation:	A combination of low thermal mass best quality refractory insulation to be used all around the Chamber to minimize storage heat as well as heat loss to maintain skin temperature.
	Service temperature	Minimum 1300°C for Hot face layer
	Skin temperature:	Within 60°C above ambient at 1250°C
5.	Heating elements:	Heating elements of appropriate sizes should be arranged at side walls at the main heating chamber (Kanthal or substantially equivalent make) as per the enclosed time-temperature schedule. There will be a separate heating system (1050°C) for the drain tube of the refractory pot by means of suitable Kanthal elements of appropriate sizes in the form of coil duly supported on ceramic tubes.
6.	Temperature control system:	Automatic through microprocessor based Digital PID programmable controller [preferably Eurotherm make Model No. 2404 series or substantially equivalent.] in conjunction with R type of thermocouples. Each program should have facility of 16 segments to carry on program automatically from process value on withdrawing of 'Hold' or after remittance of power cut. A separate PID programmable controller in conjunction with K type Duplex thermocouples to be used for the drain tube heater.
	Thermocouple (T/C)	At least three thermocouples [one no duplex & two nos. simplex type] should be provided for controlling as well as monitoring temperature of furnace at different zones. In duplex T/C one pair to be connected with the programmable controller and one pair to be connected with the safety controller (O/T controller) and another 2 numbers simplex T/C to be connected with a digital display indicator for monitoring. T/C must be sheathed with high temperature corrosion resistance material, preferably by high-density ceramic compound [ Recrystallized Alumina sheath one end closed]. T/C calibration certificate is essential.
	Safety	a) Over temperature protection Controller b) Over load protection relay c) Broken T/C indication with automatic trapping / shutdown of furnace.
7.	Power Control & supply:	By 3 Phase - phase angle triggered thyristor with adequate rating for withstanding such long duration of operation. 50 Hz, 400 volt +/- 5 %, 50 Hz, 3 Phase 4 wire system

### Major Design aspects:

**Furnace structure and outer casing:** The furnace shell will be self-supporting type, fabricated from mild steel plate which will be reinforced with rolled section for rigidity. The furnace side wall casing shall be provided with an outer cover made of mild steel sheets bolted suitably to create gap between the double casing for air flow.



Casing of the furnace will be placed on a four legged supporting platform fabricated from heavy duty M S angle/channels duly grouted on the floor with minimum 1.6 M clear height. There should be a clear width of 1.2M between the legs of the platform structure for easy movement of the casting device of 1.1 M (approx) width.

**Refractory & Insulation details:-Refractory & Insulation details:** To minimize thermal loss the furnace should be lined with best quality (ACC / Maithan / Tata / Carborandum make or substantially equivalent reputed company make) refractory and low thermal mass ceramic fibre insulating materials. Skin temperature should be considerably low (maximum 60°C above ambient). Low thermal mass refractory materials like ceramic fibre board / blanket etc. suitable for application requirements may be introduced to reduce the overall heat mass. However, vendor should specify the system in their offer as per the suitability of the proposed system.

**Heating chamber:** The internal volume of the furnace will be sufficient enough for accommodating the aforesaid pot keeping at least 150 mm void space equally from four side walls for pot handling purpose. The equality of distance is also important for uniform distribution of the heat at the chamber space where the pot to be loaded. Heating elements should have excellent properties, which gives good protection in corrosive atmospheres as well as no scaling.

**Furnace Top Door:** The Furnace shall have one opening at the top for facilitating charging and discharging of the Pot. The opening is to be closed by means of one insulated / refractory cover.

**Batch Charging Facility:** Manual cullet charging by hopper through the charging port located at the top of the furnace. The charging system is not inclusive under the scope of vendor.

**Drain tube pre-heater:** The ceramic drain tube to be preheated at a temperature of 1050°C by means of a separate electrically heated unit as indicated in the attached drawings. The outer surface of the refractory wall should be covered with MS sheet of adequate thickness. The pre heater should be lined with best quality refractory materials. Appropriate grade of Kanthal or substantially equivalent make heating element to be used. The drain tube preheater to be fitted at the bottom of the furnace chamber structure. The heating circuit should be provided with power control limit switch (manual and auto both) as per requirement of Phase angle trigger Thyristor & Digital PID Programmable controller (Eurotherm or substantially equivalent make). Minimum heating rate of the drain tube is 300°C per hour. Vendor should specify the system in their offer as per the suitability of the proposed system.

**Power** Manufacturer should provide the total electrical power rating of the furnace along with the offer and it should be 3 phase balanced power.

**Wiring:** All electrical power cable should be of suitably rated FRLS insulated copper conductor between furnace and control panel.

**Inter connecting cables:** The distance between the furnace and control panel will be a max. of 20 meters and the cable will be placed on perforated MS/GI tray. All the necessary cables & tray should be provided by the vendor.

**Control Panel:** The temperature measuring and control instruments along with other electrical power & control accessories are to be housed in a floor mounting control panel, fabricated from mild steel sheet of 14 SWG thickness with necessary powder coated painting. The control panel unit will be comprised of all electrical switch gear, power control accessories like MCCB, push button, contactor selector switch, indicating lamp etc and monitoring accessories like voltmeter, ammeter, energy meter, having adequate rating suitable for withstanding. for continuous operation. The PID controllers and indicators should be suitably incorporated in the control panel. Necessary protections like over temperature etc. must be provided. The design and fabrication of all the parts of the control should be as per the appropriate IE rule. From energy management point of view, the furnace may be operated by step down transformer if required and the total power requirement of the furnace will be mentioned accordingly. The furnace should be powered by balanced 3 phase design. Necessary protection like over current, short circuit, over temperature, overload must be provided.

**Painting:** All MS parts of the furnace are to be painted with two coats of red oxide primer followed by heat resisting aluminum paint. The floor mounting control panel also should be coated with powder coated painting.

Any other job related with this work, which is not mentioned herein but if found essential for better results to be offered by the vendors.

**Notes:**

1. Tentative General Arrangement drawing and electrical single line diagram specifying the power requirement of furnace should be provided by the bidders at the time of submission the offer.
2. The selected company should provide the detail drawings, control circuit drawings of the furnace along with the bill of materials of the furnace within four weeks from the date of receipt of the Purchase Order for our necessary information and dimensional approval.
3. Operational manual in three sets comprising with all the test reports of the bought out items of the furnace from manufacturers and all drawings are to be provided.
4. Warranty: For one year from the date of commissioning of the furnace.
5. Bidder should consider the Preferred Make of Major Bought Out Items or substantially equivalent make as per the enclosure.
6. Necessary installation and commissioning of the furnace to be done by the party **within five months** after placement of the purchase order.
7. Training at site for six members to be completed within fifteen days after installation and commissioning.

The conceptual arrangement has been shown in the attached drawing. Vendor may propose some modified design which should be reflected in the General Arrangement drawing, to be submitted along with their offer.



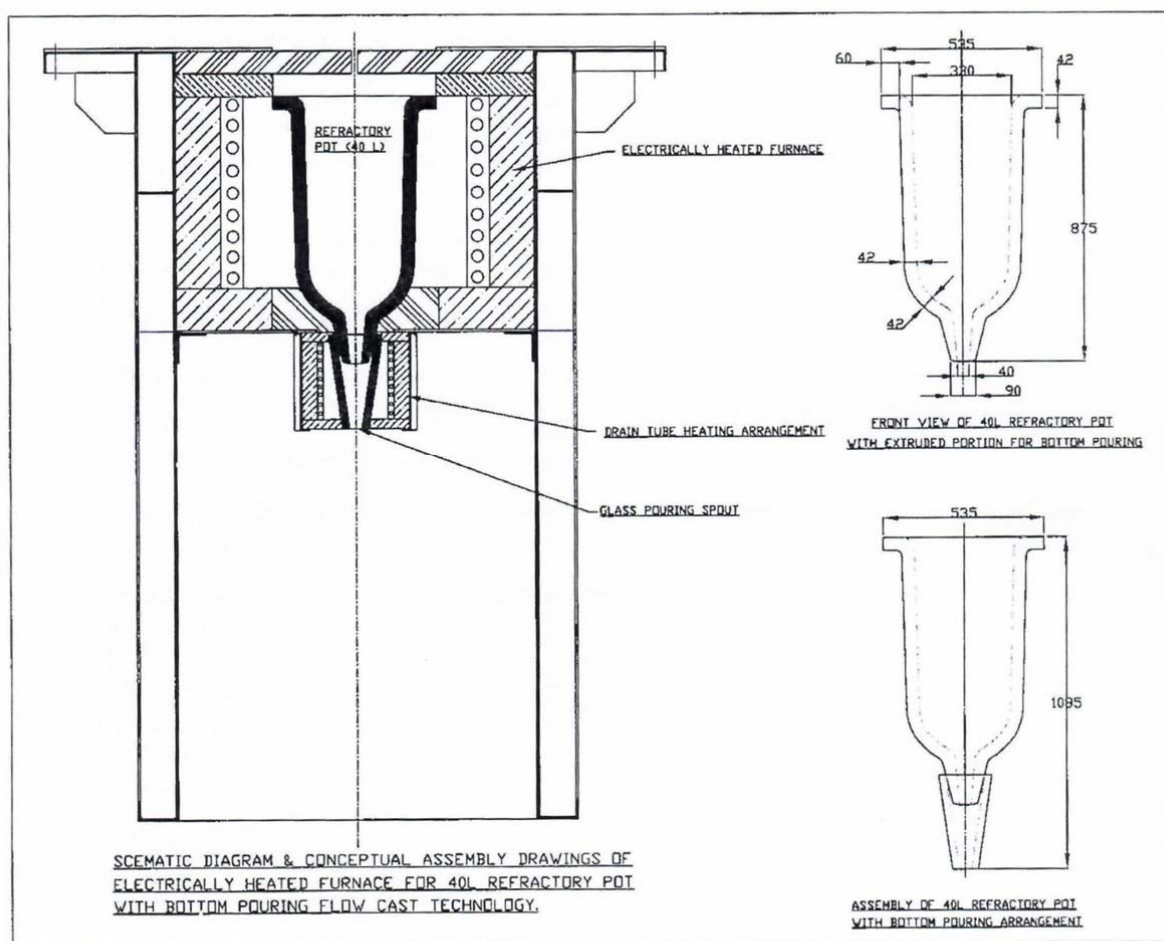
### Make of Major Bought Out Items or substantially equivalent make

Sl. No	ITEM DESCRIPTION	NAME OF MANUFACTURES
<b>1.0 REFRACTORIES</b>		
1.1.	FIRE BRICKS & HIGH ALUMINA SHAPE BRICKS	ACC / MAITHAN / TATA / CARBORANDUM or substantially equivalent make
1.2.	INSULATION BRICKS	MAITHAN / CARBORANDUM or substantially equivalent make
1.3.	CALCIUM SILICATE BLOCK (BLOCK INSULATION)	HYDERABAD INDUSTRY / NUTECH or substantially equivalent make
1.4.	CERAMIC FIBRE	MURUGAPPA MORGAN / UNIFRAX / LLOYDS or substantially equivalent make
1.5.	MINERAL WOOL	LLOYD INSULATION / ROCKWOOL or substantially equivalent make
1.6.	REFRACTORY / INSULATION CASTABLE	CARBORUNDUMUNIVERSAL/TRL/MAITHAN/RAJ CERAMICS/CALDERYS/VE SUVIUS/RAJHANSREFRACTORIES or substantially equivalent make
1.7.	INSULATION CASTABLE	CALDERYS / ACC
<b>2.0 INSTRUMENTATION</b>		
2.1.	THERMOCOUPLES / RTDS	RAJPUT / TOSHNIWAL / INDUSTRIAL INSTRUMENTS / TEMPSSENS or substantially equivalent make
2.2.	EXCESS TEMPERATURE CONTROLLER	MASIBUS / YBL / HONEYWELL/EUROTHRM or substantially equivalent make
2.3.	PID TYPE TEMPERATURE CONTROLLER	EUROTHERM or substantially equivalent make
<b>3.0 ELECTRICAL COMPONENTS</b>		
3.1.	CIRCUITBREAKERS/ISOLATORS/FUSES	SIEMENS/L&T/ALSTHOM/BCH/SCHNIEDER or substantially equivalent make
3.2.	STARTERS	SIEMENS / L&T / BCH or substantially equivalent make
3.3.	CONTACTORS	SIEMENS / L&T / BCH or substantially equivalent make
3.4.	OVERLOAD RELAYS	SIEMENS / L&T / BCH or substantially equivalent make
3.5.	PUSH BUTTONS	SIEMENS / BCH/L&T or substantially equivalent make
3.6.	CONTROL / SELECTOR SWITCH	KAYCEE/TECHNIC/SIEMENS or substantially equivalent make
3.7.	MCB/MCCB/MPCB	MDS / IND-KOFF / SIEMENS / L&T / BCH or substantially equivalent make
3.8.	METERS (AMMETER, VOLTMETER, P.F.METERS)	IMP / AE or substantially equivalent make
3.9.	INDICATING LAMPS (LED type)	SIEMENS / TECHNIC or substantially equivalent make
3.10.	HRC FUSES	SIEMENS / L&T/BCH or substantially equivalent make
3.11.	PVC CABLES (POWER CONTROL)	CCI/POLYCAB/FINOLEX/UNIVERSAL/NETCO/DELTON/NICCO/GLOSTER/HAVELLS or substantially equivalent make
3.12.	THYRISTOR	EUROTHERM or substantially equivalent make
3.13.	MCC PANEL	ANY REPUTED MAKE
3.14.	ENERGY METER	SCHNEIDER or substantially equivalent make
3.15.	JUNCTION BOX, GLANDS, LUGS& FERRULES	ANY REPUTED MAKE
3.16.	COMPENSATING CABLE	TOSHNIWAL/RAJPUT/INDUSTRIALINSTRUMENTS/TEMPSEN or substantially equivalent make
3.17.	SIGNAL CABLE (SCREWED)	DELTON/POLYCAB/UNIVERSAL/NETCO or substantially equivalent make
3.18.	HEAT RESISTANCE CABLE	LD BHATTAR or substantially equivalent make
3.19.	HEATING ELEMENTS	KANTHAL or substantially equivalent make

**Table 1**

A typical Time-Temperature profile.

From	To	Rate ( °C / hr )	Description	Duration
RT	900	125	Rising	6.9 hrs
At	900	Hold	Stabilization	2 hrs
900	1050	75	Rising	2 hrs
At	1050	Hold	Purging & Stirring	2 hrs
1050	1180	50	Rising	2.6 hrs
At	1180	Hold	Stabilization	8 hrs
1180	910	60	Cooling	4.5 hrs
At	910	Hold	Cooling	1 hr
Total Duration				29 hrs



With reference to the tender enquiry **P/INC/184/ARC/DB/OT/20-21**, following clauses may be read as follows instead as mentioned in the tender document.

**NOTE TO BIDDERS, INSTRUCTION TO BIDDERS, GENERAL CONDITIONS OF CONTRACT, SPECIAL CONDITIONS OF CONTRACT, CONTRACT FORM AND OTHER FORMS** may be read as follows instead as mentioned in our tender document. (Page No. 9-10)

**NOTE TO BIDDERS**

1. Bids/Tenders are invited only from Class I/Class II local suppliers. Provisions of the Public Procurement (preference to Make in India) order issued by the Department for Promotion of Industry and Internal Trade, Govt. of India, vide OM No. P-45021/2/2017-PP (BE-II) dated 04 June 2020 and the subsequent amendment vide OM No. P-45021/2/2017-PP (BE-II) dated 16 September 2020 shall be applicable in Tendering Process.
2. **Offers should on INR basis only.** Provisions of supplies from outside India will not be acceptable in the tendering process.
3. **For contracts with value more than Rs. 25 lakh, It shall be mandatory for the successful Bidder [Supplier] to be registered on the Government E-Marketplace [GEM] and obtain a unique GEM seller ID prior to release of Purchase Order/ execution of contract. No Purchase Order/ contract will be issued to any Supplier who do not possess the said unique Seller ID.**
4. Bidder's from a country which shares a land border with India will not be eligible to participate in this tender, unless the bidder is registered with Department for Promotion of Industry and Internal Trade (DPIIT) under Order (Public procurement No. 1) issued by Ministry of Finance, Department of Expenditure in line with OM No. F.No.6/18/2019-PPD dt 23rd July, 2020 inserting Rule 144 (xi) in GFR 2017.
5. Bidder seeking preference under any policy scheme of the Govt. of India viz. Public Procurement policies for MSEs, Make in India etc. must enclose all relevant documents and certificates at the time of submission of bids. If the bidder fails to declare its status and/or fails to claim the policy benefit/preference/exemption etc. and/or fail to submit necessary documents/certificates in support of its claim at the time of bidding itself, its claim shall not be entertained at a later stage in the bidding process and no opportunity shall be provided to it to submit any document/certificate in support of its claim as it vitiates the tendering process.
6. Bidders must ensure that all documents pertaining to fulfillment of qualification requirement/ minimum eligibility criteria are furnished with their bid. Bidder who do not submit such documents shall be rejected.
7. Micro and Small Enterprises (MSE) must, along with their offer, provide proof of their being registered as MSE (indicating the terminal validity date of their registration) for the item tendered, with any agency mentioned in the notification of the Ministry of Micro, Small and Medium Enterprises (Ministry of MSME), indicated below:
  - a) District Industries Centre
  - b) Khadi and Village Industries Commission
  - c) Khadi and Village Industries Board
  - d) Coir Board
  - e) National Small Industries Corporation
  - f) Directorate of Handicraft and handloom and

g) Any other body specified by the Ministry of MSME

8. For ease of registration of Micro and Small Enterprises (MSMEs), Ministry of MSE has started Udyog Aadhar Memorandum which is an online registration system (free of cost) w.e.f. 18th September, 2015 and all Micro & Small Enterprises (MSEs) who are having Udyog Aadhar Memorandum should also be provided all the benefits available for MSEs under the Public Procurement Policy for Micro and Small Enterprises (MSEs), Order 2012.
9. The MSE registration certificate as furnished by the Bidder should be dated prior to the date of publication of tender on the CPP portal. In case the registration certificate is dated after the publication of the tender on CPP portal, the Purchaser reserves the right to visit the MSE's facility / works to judge whether the unit has the necessary infrastructure, technical and other capabilities to carry out the tendered work/job/supply/project.
10. The PUBLIC PROCUREMENT POLICY FOR MSEs is meant for procurement of only goods produced and services rendered by MSEs and not for any trading activities by them. Bidder shall submit proof that he is a manufacturer of the item for which he is quoting and he shall highlight the details of his manufacturing status in the MSE certificate against the item(s) he is proposing to bid in the tender.
11. The MSE Registration certificate issued must be valid as on Bid closing date of the tender. Bidder shall ensure validity of registration certificate in case bid closing date is extended.
12. The MSEs who have applied for registration or renewal of registration with any of the above agencies/ bodies, but have not obtained the valid certificate as on close date of the tender, are not eligible to avail benefits under PP Policy. Where validity of such certificates such as NSIC certificate has lapsed, it shall be the responsibility of the bidder to seek renewal from the concerned Govt. agency before such expiry.
13. The bidder who intends to participate as "Start-up" company should enclose the Certificate of Recognition issued by Department of Industrial Policy and Promotion (DIPP), Ministry of Commerce & Industry, Govt. of India during submission of Technical bid.
14. The Start-up companies, recognized by DIPP are exempted from payment of EMDs. However, A bid securing declaration is to be submitted as per the provided format on your letter head as per Annexure IV by the bidder.
15. Relaxation prior turnover and prior experience is applicable only to all startups recognized by Department for Promotion of Industry & Internal Trade (DPIIT) subject to meeting of quality and technical specifications. Startups may be MSMEs or otherwise.
16. One distributor/dealer can participate in a tender on behalf of one manufacturer. The offer(s) will not be entertained if the same distributor/dealer is representing more than one manufacturer. Similarly an authorized distributor/dealer and the manufacturer should not quote simultaneously.
17. **For supplies made from within India, Customs Duty Exemption Certificate [CDEC] will not be issued by Purchaser.**

<b>INVITATION FOR BIDS / NIT</b> <b>Point 1</b>	<p>Director, CSIR- Central Glass &amp; Ceramic Research Institute, Kolkata, invites online bids from Original manufacturers, authorized Indian dealers or distributors who are either <b>Class I/ Class II</b> suppliers as per the OM No. P-45021/2/2017-PP (BE-II) dated 16 September 2020 issued by DPIIT, Ministry of Commerce &amp; Industry, GOI for the procurement of the items as indicated below. The offer/quotation must be strictly as per required specifications and the tender terms &amp; conditions.</p>
<b>INVITATION FOR BIDS / NIT</b> <b>Point 4</b>	<p>A bid securing declaration is to be submitted as per the provided format on your letter head as per Annexure IV by the bidder.</p> <p><b>Bids of those tenders whose bid securing declaration are not received with the bids will be summarily rejected.</b></p>
<b>INVITATION FOR BIDS / NIT</b> <b>Point 6</b>	<p>The bidder must comply with Order Nos. P-45021/2/2017-PP (BE-II) (E-43780) dated 24.08.2020, 28.08.2020 and 31.08.2020 and also Make in India Order No. P-45021/2/2017-PP (BE-II) dated 16th September 2020 of Department for promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce and Industry, Government of India and any amendments thereon. THE ONUS FOR ENSURING COMPLIANCE TO THE PROVISIONS OF THESE POLICY NOTIFICATIONS KEEPING IN VIEW THE REQUIREMENTS UNDER THIS TENDER DOCUMENT ENTIRELY RESTS WITH THE BIDDER.</p> <p>a)As per Govt. of India procurement policies the eligibility of the suppliers is restricted to Class I and Class II local suppliers as per Department for Promotion of Industry and Internal Trade, Govt. of India, vide OM No. P-45021/2/2017-PP (BE-II) dated 04 June 2020 and OM No. P-45021/2/2017-PP (BE-II) dated 16 September 2020 as per the definition below*</p> <p>b) As per Govt. of India, the procuring entity intends to give purchase preferences to products /goods manufactured by Micro &amp; Small Enterprises as per rules in force.</p> <p>"Class-I local supplier" means a supplier or service provider, whose goods, services or works offered for procurement, meets the minimum local content as prescribed for 'Class-I local supplier' in DIPP OM No. P-45021/2/2017-PP (BE-II) dated 16 September 2020 or by the competent Ministries/Departments in pursuance of this order.</p> <p>"Class-II local supplier" means a supplier or service provider, whose goods, services or works offered for procurement, meets the minimum local content as prescribed for 'Class-II local supplier' but less than that prescribed for 'Class-I local supplier' in DIPP OM No. P-45021/2/2017-PP (BE-II) dated 16 September 2020 or by the competent Ministries/Departments in pursuance of this order.</p> <p>"Non-Local supplier" means a supplier or service provider, whose goods, services or works offered for procurement, has local content less than that prescribed for 'Class-II local supplier' in DIPP OM No. P-45021/2/2017-PP (BE-II) dated 16 September 2020 or by the competent Ministries/Departments in pursuance of this order.</p> <p>"Local content" means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including</p>



	<p>all customs duties) as a proportion of the total value, in percent. "Nodal Ministry" means the Ministry or Department identified pursuant to this order in respect of a particular item of goods or services or works.</p> <p>The above bidders are required to indicate percentage of local content and provide self-certification that the items offered meets the local content requirement for Class-I/Class-II as the case may be. Further the bidders shall also give then details of the location at which the local value addition is made.</p> <p><b>The bidders offering imported products will fall under the category of Non-Local suppliers. They cannot claim themselves as Class-I/ Class-II local suppliers by claiming profit, warehousing, marketing, logistics, freight etc. as local value addition.</b></p> <p>False declaration will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General financial Rules 2017 for which a bidder or its successors can be debarred for up to two years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under law.</p> <p>A supplier who has been debarred by any procuring entity for violation of above cited order shall not be eligible for preference under above Order for procurement by any other procuring entity for the duration of the debarment.</p> <p>Eligibility of 'Class-I local supplier'/ 'Class-II local supplier'! Non-local suppliers' for different types of procurement</p> <p>a) In procurement of all goods, services or works in respect of which the Nodal Ministry / Department has communicated that there is sufficient local capacity and local competition, only 'Class-I local supplier', as defined under the Order, shall be eligible to bid irrespective of purchase value.</p> <p>b) Only 'Class-I local supplier' and 'Class-II local supplier', as defined under the Order, shall be eligible to bid in procurements undertaken by procuring entities, except when Global tender enquiry has been issued. In global tender enquiries, Non-local suppliers' shall also be eligible to bid along with 'Class-I local suppliers' and 'Class-II local suppliers'. In procurement of all goods, services or works, not covered by sub-para 3(a) above, and with estimated value of purchases less than Rs. 200 Crore, in accordance with Rule 161(iv) of GFR, 2017, Global tender enquiry shall not be issued except with the approval of competent authority as designated by Department of Expenditure.</p> <p>c) For the purpose of this Order, works includes Engineering, Procurement and Construction (EPC) contracts and services include System Integrator (SI) contracts.</p>
ADDITION TO INVITATION FOR BIDS / NIT Point 8	<p>Bidder's from a country which shares a land border with India will not be eligible to participate in this tender, unless the bidder is registered with Department for Promotion of Industry and Internal Trade (DPIIT) under Order (Public procurement No. 1) issued by Ministry of Finance, Department of Expenditure in line with OM No. F.No.6/18/2019-PPD dt 23rd July, 2020 inserting Rule 144 (xi) in GFR 2017.</p>
NOTE TO BIDDERS,	<b><u>NOTE TO BIDDERS</u></b>

INSTRUCTION TO BIDDERS, GENERAL CONDITIONS OF CONTRACT, SPECIAL CONDITIONS OF CONTRACT, CONTRACT FORM AND OTHER FORMS	18. Bids/Tenders are invited only from Class I/Class II local suppliers. Provisions of the Public Procurement (preference to Make in India) order issued by the Department for Promotion of Industry and Internal Trade, Govt. of India, vide OM No. P-45021/2/2017-PP (BE-II) dated 04 June 2020 and the subsequent amendment vide OM No. P-45021/2/2017-PP (BE-II) dated 16 September 2020 shall be applicable in Tendering Process.
<b>ADDITION–</b> NOTE TO BIDDERS, INSTRUCTION TO BIDDERS, GENERAL CONDITIONS OF CONTRACT, SPECIAL CONDITIONS OF CONTRACT, CONTRACT FORM AND OTHER FORMS	For contracts with value more than Rs. 25 lakh, It shall be mandatory for the successful Bidder [Supplier] to be registered on the Government E-Marketplace [GEM] and obtain a unique GEM seller ID prior to release of Purchase Order/ execution of contract. No Purchase Order/ contract will be issued to any Supplier who do not possess the said unique Seller ID.
NOTE TO BIDDERS, INSTRUCTION TO BIDDERS, GENERAL CONDITIONS OF CONTRACT, SPECIAL CONDITIONS OF CONTRACT, CONTRACT FORM AND OTHER FORMS  <b>Bid Security: Clause 1.16</b>	<b><u>Bid Security</u></b> <b>Clause 1.16.1 may be read as :</b> A bid securing declaration is to be submitted on your letterhead as per Annexure IV by the bidder.  Clause 1.16.2 to Clause 1.16.11 may be ignored.
<b>Clause 1.32.3</b>	<b>Purchase preference shall be given to all local Suppliers in all procurements undertaken by the Purchaser in the manner prescribed by the Department for Promotion of Industry and Internal Trade, Govt. of India, vide OM No. P-45021/2/2017-PP (BE-II) dated 04 June 2020 and subsequent amendments made vide OM No. P-45021/2/2017-PP (BE-II) dated 16 September 2020.</b> <b>For all procurements above 5 lakhs undertaken by the purchaser, purchase preference shall be given to Class I local suppliers in the following manner:</b> <b>In the procurements of goods or works which are divisible in nature, the 'Class-I local supplier' shall get purchase preference over 'Class-II local supplier' as per following procedure:</b> i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is 'Class-I local supplier', the contract for full quantity will be awarded to L1 ii. If L1 bid is not a 'Class-I local supplier', 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the 'Class-I local supplier' will be invited to match the L1 price for the remaining 50% quantity subject to the Class-I local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such 'Class-I local supplier' subject to matching the L1 price. In case such lowest eligible 'Class-I local supplier' fails to match the L1 price or accepts less than the offered quantity, the next higher 'Class-I local supplier' within the margin of purchase preference shall be

	<p>invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on Class-I local suppliers, then such balance quantity may also be ordered on the L1 bidder.</p> <p>In the procurements of goods or works which not divisible in nature, and in procurement of services where the bid is evaluated on price alone, the 'Class-I local supplier' shall get purchase preference over 'Class-II local supplier' as per following procedure:  Among all qualified bids, the lowest bid will be termed as L1. If L1 is 'Class-I local supplier', the contract will be awarded to L1.  If L1 is not 'Class-I local supplier', the lowest bidder among the 'Class-I local supplier', will be invited to match the L1 price subject to Class-I local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such 'Class-I local supplier' subject to matching the L1 price.  In case such lowest eligible 'Class-I local supplier' fails to match the L1 price, the 'Class-I local supplier' with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the 'Class-I local supplier' within the margin of purchase preference matches the L1 price, the contract may be awarded to the L1 bidder.</p> <p>"Class-II local supplier" will not get purchase preference in any procurement, undertaken by procuring entities.</p>
<b>Special Conditions of Contract (SCC) SI.No. 3 (GCC 2.13.1)</b>	<b>The amount of the Performance Security shall be 3 (Three) % of the contract value.</b>
<b>Self-Certification format regarding land border sharing with India. (Revised Format attached)</b>  <b>Note: Bidders not submitting the above certificate will be considered as non-responsive and liable to be summarily rejected</b>	Revised format for Self-Certification regarding land border sharing with India is attached. Bidders shall upload this Certificate instead as attached with the tender document
<b>Format for Affidavit of Self Certification regarding Class of Local Supplier, Local Content and Domestic value addition for the quoted item (Revised Format attached)</b>	Revised Format for Affidavit of Self Certification regarding Class of Local Supplier, Local Content and Domestic value addition for the quoted item is attached. Bidders shall upload this Certificate instead as attached with the tender document

<p align="center"><b>E-PROCUREMENT ON OPEN TENDER TO BE QUOTED IN INR ONLY (RESERVED FOR LOCAL SUPPLIERS AS PER MAKE IN INDIA POLICY)</b></p>
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The above amendments shall amount to amendments of the relevant terms of our Bid Document for CGCRI Tender No. **P/I/NC/184/ARC/DB/OT/20-21**.

All the other Tender terms remain unchanged.

Ray  
18/2/21

(R. Ray)

Controller of Stores & Purchase

आर. रे / R. Ray  
धण्डार एवं क्रय नियंत्रक

CONTROLLER OF STORES & PURCHASE

सीएसजीआर - केन्द्रीय शीश एवं सिरेमिक अनुसंधान संस्थान  
CSIR - CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE  
198, राधा. एस. रो. मल्लिक रोड / 198, RAJA S.C. MALLICK ROAD  
कोलकाता / KOLKATA - 700 032

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## **Bid-Securing Declaration Form**

Date:\_\_\_\_\_

Bid No. \_\_\_\_\_

To (insert complete name and address of the purchaser)

I/We. The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported by a Bid Securing Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of one year from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

- (a) have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or
- (b) having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) fail or reuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

Signed: (insert signature of person whose name and capacity are shown) in the capacity of (insert legal capacity of person signing the Bid Securing Declaration).

Name: (insert complete name of person signing the Bid Securing Declaration)

Duly authorized to sign the bid for an on behalf of : (insert complete name of Bidder)

Dated on \_\_\_\_\_ day of \_\_\_\_\_(insert date of signing)

Corporate Seal (where appropriate)

(Note: In case of a Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid)

## CERTIFICATE

**[To be submitted by the bidding/participating firm in their letter Head]**

With reference to CGCRI tender Enquiry bearing No.  
..... dated ..... it is certified that:

We have read clause regarding restriction on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries; We certify that the bidder is not from such a country or, if from a such a country, has been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the competent Authority. A valid certificate issued by the Competent Authority has been attached with the bid. I hereby certify that this bidder fulfill all requirements in this regard and is eligible to be considered. (As per requirements under P-45021/112/2020-PP(BE-II)(E-43780) dated 24.08.2020 of Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade and any amendments thereon.)

For and on behalf of M/s.....

[Seal of the firm]

Place:- .....

Date:-.....



**Format for Affidavit of Self Certification regarding Class of Local Supplier, Local Content and Domestic value addition for the quoted item**

I \_\_\_\_\_ S/o, \_\_\_\_\_ D/o, W/o \_\_\_\_\_, Resident \_\_\_\_\_ of \_\_\_\_\_ Date: \_\_\_\_\_  
\_\_\_\_\_ do hereby solemnly affirm and declare as under:

That I will agree to abide by the terms and conditions of the policy of Government of India issued vide Notification – Public procurement (preference to Make in India) Order 2017 dt. 15<sup>th</sup> June, 2017, its revision dated 04<sup>th</sup> June, 2020 and its subsequent amendments.

That the information furnished hereinafter is correct to be of my knowledge and belief and I undertake to produce relevant records before the procuring entity or any authority so nominated for the purpose of assessing the local content.

That the local content for all inputs which constitute the said equipment has been verified by me and I am responsible for the correctness of the claims made therein.

That in the event of the domestic value addition of the product mentioned herein is found to be incorrect and not meeting the prescribed value-addition norms, based on the assessment of an authority so nominated for the purpose of assessing the local content, action will be taken against me as per Order No. P-45021/2/2017-E.E.-II dated 15.06.2017, its revision dated 04<sup>th</sup> June, 2020 and its subsequent amendments.

I agree to maintain the following information in the Company's record for a period of 3 years and shall make this available for verification to any statutory authority: (Kindly fill up the below mentioned particulars)

- i. Name and details of the Domestic Manufacturer (Registered Office, Manufacturing Unit location, nature of legal entity)
- ii. Date on which this certificate is issued
- iii. R & D Equipment for which the certificate is produced
- iv. Procuring entity to whom the certificate is furnished
- v. Percentage of local content claimed
- vi. Name and contact details of the unit of the manufacturer

I/We do hereby declare that as per the order no.P-45021/2/2017-PP (BE-II) dated 16th September 2020 issued by Department for Promotion of Industry and Internal Trade (DPIIT), Govt. of India, We are \_\_\_\_\_ (Class-I/Class-II) supplier.

The bidders offering imported products will fall under the category of Non-Local suppliers. They cannot claim themselves as Class-I/ Class-II local suppliers by claiming profit, warehousing, marketing, logistics, freight etc. as local value addition.

**I/WE CERTIFY THAT ALL INFORMATION FURNISHED BY THE OUR FIRM IS TRUE & CORRECT AND IN THE EVENT THAT THE IFNORMATION IS FOUND TO BE A FALSE DECLARATION IT WILL BE A BREACH OF THE CODE OF INTEGRITY UNDER RULE 175(1)(i)(h) OF THE GENERAL FINANCIAL RULES FOW WHICH A BIDDER OR ITS SUCCESSORS CAN BE DEBARRED FOR UP TO TWO YEARS AS PER RULE 151(iii) OF THE GENERAL FINANCIAL RULES ALONG WITH SUCH OTHER ACTIONS AS MAY BE PERMISSIBLE UNDER LAW.**

**For and on behalf of**

**(Name of firm/entity)**

Authorized signatory (To be duly authorized by the Board of Director)

**Bidders not submitting the above certificate will be considered as non-responsive and liable to be summarily rejected.**