



सीएसआईआर - केन्द्रीय काँच एवं सिरामिक अनुसंधान संस्थान
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Tender No. P/NC/57/PA(NARODA)/SO/OTE/25-26
[CPPP Tender ID: 2025_CSIR_239377_1]

Item: Roller Hearth Furnance

CLARIFICATION

In response to a query received from a prospective bidder, the clarification given by this Intitue is given below:

Charge material details?

Ø Method of loading the charge, whether they are in a tray , on base plate or what? Material and size of tray/baseplate/basket details etc.

The charge is loaded on a suitable alloy perforated base plate. The size at entrance zone is 250 (W) x 50 (H) x 2000 (L) mm. the base plate is sized accordingly to easily pass through the entrance and carry the load.

Ø Weight and size of each components and total load assumed in the furnace chamber while travelling?

Usually the bar samples of 120 mmx 25 mm x 10mm size aprox are placed in group of 6 to 8 numbers in a row on the alloy plate. One plate may carry 2 rows of the sample (12-16 samples). One plate with samples weighs around 2 kg. at a time 8-9 plates will be moving on the rollers.

Ø Temperature gradient from entry zone, heating zone and cooling zone?

Linearly increasing and decreasing ramp is desired.

Ø Mullite based roller dia and length? Or if you provide the weight, based on the weight and tray size we will design the roller dia, pl confirm.

Roller size and dia has to be suitable for desired performance of the kiln. We have not fixed any dimension for the same. It may be designed for variable sample load and speed.

Ø In the tender specification it is mentioned Temperature controller –TAIE PID,144-segment programmer (4 zones) pl clarify. And also let us know whether we can use any other reputed make/ if so pl give us the details.

We can use other controller of similar type and reputed make.

This document is published for general information of all bidders.

(Bodhisattwa Dhar)
Stores & Purchase Officer
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