

SCOPE OF WORK FOR REPLACEMENT OF REFRACTORY IN THE PSCTF FURNACE ON AS AND WHEN REQUIRED AS PER THE BELOW SPECIFICATION:

Description of service/product that needs to be provided –

Service/ product	Anticipated Quantity/ year	Delivery point
Replacement of the roof refractory as and when required.	Once per year	Eskom Research Testing and Development
Replacement of the radiant section refractory as when required.	Once per year	Eskom Research Testing and Development
Replacement of the convective section refractory as when required.	Once per year	Eskom Research Testing and Development

Specification of the Fabric Filter Plant:

Roof dimensions and refractory used:

Height – 230mm

Width – 2216mm

Length – 2216mm

From the outer section refractory is made-up of high temperature fibre blanket, followed by 152mm board 1000°C, then 100mm board 1400°C and lastly Castable that can withstand 1600°C which is exposed to the flame.

Radiative Section dimensions and refractory used:

Height – 4.50m

Width – 1.21m

Length – 1.21m

From the outer section refractory is made-up of high temperature fibre blanket, followed by 150mm board 1000°C, then 100mm board 1400°C, then 100mm board 1600°C and lastly 152mm VR60 brick that can withstand 1600°C which is exposed to the flame.

Convective Section dimensions and refractory used:

Height – 0.75m

Width – 1.21m

Length – 7.92m

From the outer section refractory is made-up of high temperature fibre blanket, followed by 150mm board 1260°C, then 100mm board 1400°C and lastly 152mm VR60 brick that can withstand 1600°C which is exposed to the flue gas temperature.