

ROYAL REFRACTORIES

MANUFACTURERS & DEALERS IN REFRACTORIES & MINERALS

28 G.I.D.C., WANKANER – 363 622 TELEFAX : (F) (02828) 220533 , 222533 (R) 220883 , 222883

TIN G.S.T. No. 24092200055 Dtd. 23-09-05

TIN C.S.T. No. 24592200055 Dtd. 23-09-05

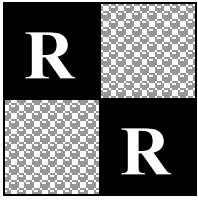
ACID RESISTANT BRICKS

PHYSICAL PROPERTIES :

Water Absorption (%)	3
Cold Crushing Strength (N/mm ²)	70
Flexural Strength (N/mm ²)	10
Acid Resistance (% loss in weight)	2.5

CHEMICAL ANALYSIS :

SiO ₃ (%)	68
Al ₂ O ₃ (%)	24
Fe ₂ O ₃ (%)	1.8
TiO ₂ (%)	2.1
CaO+MgO (%)	0.5
Na ₂ O+K ₂ O (%)	3.4
Application Area	For thermal power plant chimney & acid storage tank & floor.



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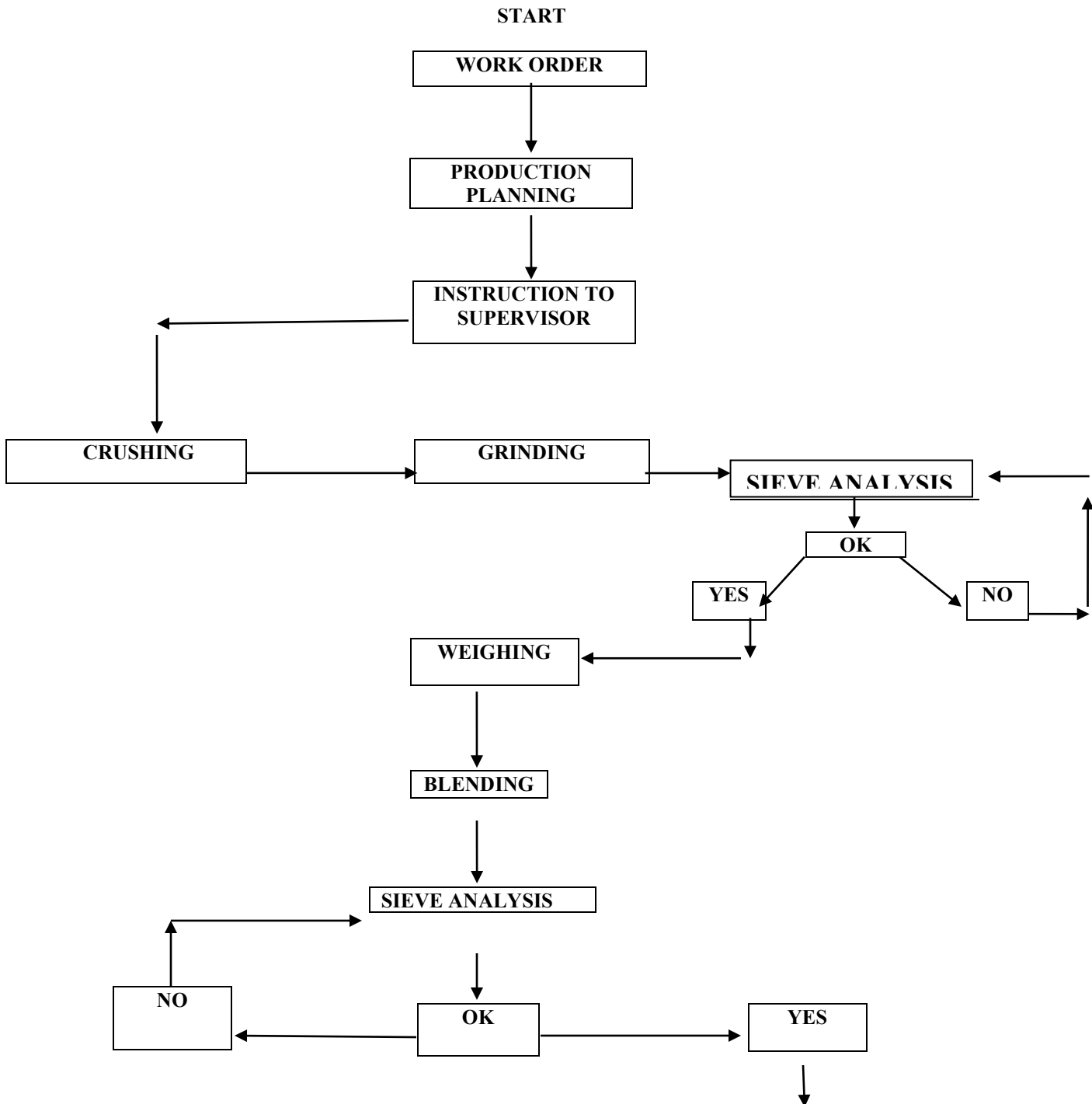
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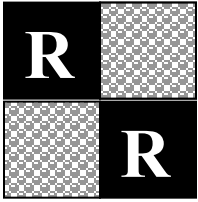
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PROCESS FLOW CHART

MANUFACTURING OF DENSE CASTABLES





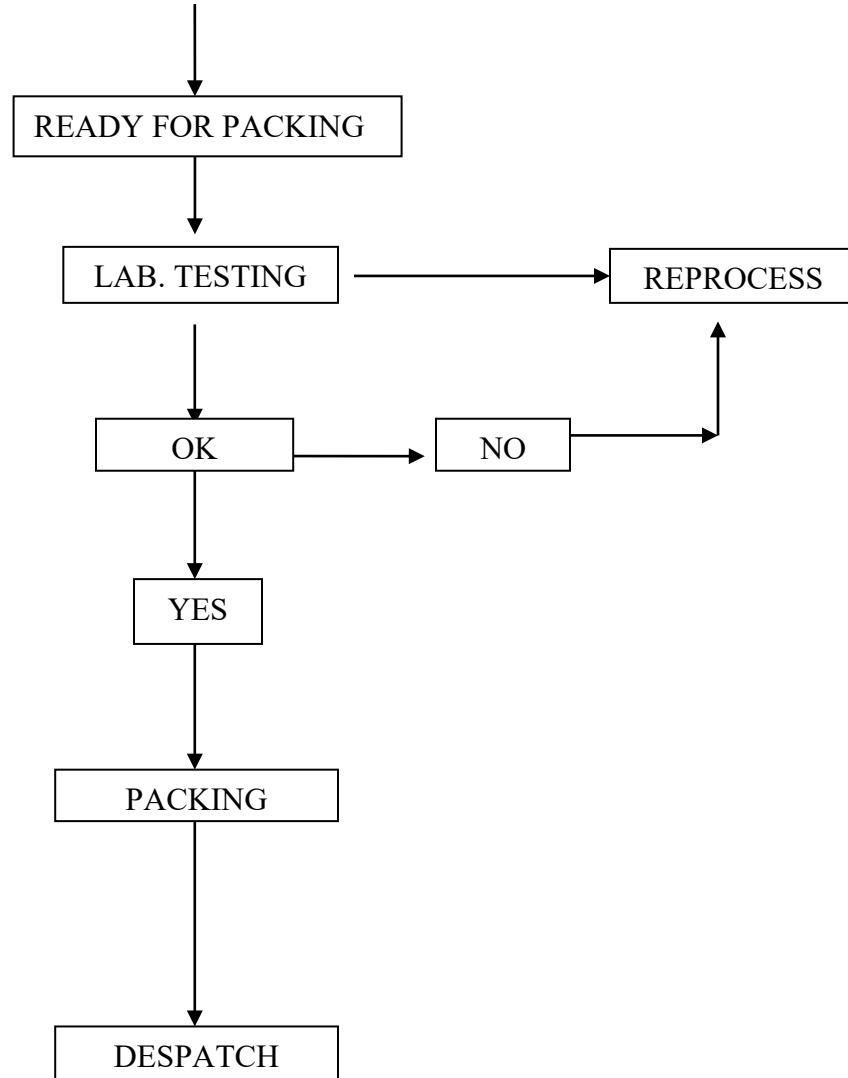
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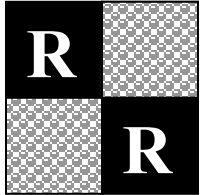
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FOR ROYAL REFRACTORIES



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MORTAR

BRAND NAME	ROYAL SET-50 (NORMAL)	ROYAL SET - 51 (FINES)
<u>PHYSICAL PROPERTIES</u>		
P.C.E.-Orton / °C	31/32 1683/1717	31/32 1683/1717
Grain Size (mm)	0 - 1.5	0 - 0.5
Setting	Airsetting	Airsetting
Service Temp °C	1550	1550
Sintering Temp °C	1100	1100
<u>CHEMICAL ANALYSIS (%)</u>		
Al ₂ O ₃ (%) min.	50	50
Fe ₂ O ₃ (%) max.	3.8	3.8
Size Tolerance : 95% Passing through the Maximum indicated grain size.		