

mm_post_melt	
PK,I1	heat_number
	heat_status tap_drain ua_type initial_reading final_reading graphite_dust_make kwh_used kwh_initial_reading kwh_final_reading unit line_variation tip_make lpipe_make tip_quantity lpipe_quantity electrode_dip_time fettling_info oxygen_initial_reading oxygen_final_reading oxygen_used tap_temperature tap_begin tap_end tap_time sos_temperature jmp_st_temperature slag_condition lm_level sos_aluminium_star jmp_aluminium_star lm_level_final process_delay trails_material remarks1 time_for_remarks1 remarks2 time_for_remarks2 remarks3 time_for_remarks3 remarks4 time_for_remarks4 remarks5 time_for_remarks5 remarks6 time_for_remarks6 shift_incharge charging_supervisor tap_to_tap_interval ladle_pre_temperature power_on_top6 utilisation_percentage lm_status jmp_final_temperature tap_oti num_sam vit_use pro_add hea_rem delete_flag heat_tapped

mm_offheat_post_melt	
	<div> <div> <div>heat_number</div> <div>heat_status</div> <div>tap_drain</div> <div>ua_type</div> <div>initial_reading</div> <div>final_reading</div> <div>graphite_dust_make</div> <div>kwh_used</div> <div>kwh_initial_reading</div> <div>kwh_final_reading</div> <div>unit</div> <div>line_variation</div> <div>tip_make</div> <div>lpipe_make</div> <div>tip_quantity</div> <div>lpipe_quantity</div> <div>electrode_dip_time</div> <div>fettling_info</div> <div>oxygen_initial_reading</div> <div>oxygen_final_reading</div> <div>oxygen_used</div> <div>tap_temperature</div> <div>tap_begin</div> <div>tap_end</div> <div>tap_time</div> <div>sos_temperature</div> <div>jmp_st_temperature</div> <div>slag_condition</div> <div>lm_level</div> <div>sos_aluminium_star</div> <div>jmp_aluminium_star</div> <div>lm_level_final</div> <div>process_delay</div> <div>trails_material</div> <div>remarks1</div> <div>time_for_remarks1</div> <div>remarks2</div> <div>time_for_remarks2</div> <div>remarks3</div> <div>time_for_remarks3</div> <div>remarks4</div> <div>time_for_remarks4</div> <div>remarks5</div> <div>time_for_remarks5</div> <div>remarks6</div> <div>time_for_remarks6</div> <div>shift_incharge</div> <div>charging_supervisor</div> <div>tap_to_tap_interval</div> <div>ladle_pre_temperature</div> <div>power_on_top6</div> <div>utilisation_percentage</div> <div>lm_status</div> <div>jmp_final_temperature</div> <div>tap_oti</div> <div>num_sam</div> <div>vit_use</div> <div>pro_add</div> <div>hea_rem</div> <div>delete_flag</div> <div>heat_tapped</div> </div> </div>

mm_offheat_heatsheet_header	
	<div> <div> <div>heat_number</div> <div>furnace_code</div> <div>melt_date</div> <div>shift_code</div> <div>shift_incharge</div> <div>furnace_incharge</div> <div>workorder_number</div> </div> </div>
mm_PreHeatedLadleDetails	
PK,I1	LadleNo
PK	StartTime
PK	LiningNo
	<div> <div>EndTime</div> <div>LiftingTemp</div> <div>FromHeat</div> <div>ToHeat</div> <div>Remarks</div> <div>StaffNo</div> <div>Type</div> <div>PreHeatID</div> </div>

mm_ladle_details	
	<div> <div> <div>heat_number</div> <div>ladle_number</div> <div>life</div> <div>bottom</div> <div>sidewall</div> </div> </div>

mm_PreHeatedLadleSetTemp1	
	<div> <div> <div>PreHeatID</div> <div>SetDateTime</div> <div>LPH</div> <div>HSDQty</div> <div>SetTemp</div> <div>ActualTemp</div> <div>Staff</div> <div>Remarks</div> <div>SetID</div> </div> </div>

mm_process_delay	
	<div> <div> <div>heat_number</div> <div>delay_code</div> <div>fromtime</div> <div>totime</div> <div>remarks</div> </div> </div>

mm_spectro_results	
	<div> <div> <div>heat_number</div> <div>sample_number</div> <div>sample_temperature</div> <div>sample_taken_time</div> <div>ni_ni</div> <div>sample_result</div> <div>additives_added</div> <div>car_car</div> <div>man_man</div> <div>sil_sil</div> <div>pho_pho</div> <div>sul_sul</div> <div>chr_chr</div> <div>cop_cop</div> <div>ven_ven</div> <div>alu_alu</div> <div>sam_tim</div> <div>moly_moly</div> <div>nitro_nitro</div> <div>hydro_hydro</div> <div>Boron</div> <div>Nb</div> <div>Ti</div> </div> </div>

mm_inprocess_additives	
	<div> <div> <div>heat_number</div> <div>furnace_si_mn</div> <div>furnace_fe_si</div> <div>furnace_fe_mn</div> <div>furnace_floor_spar</div> <div>furnace_limestone</div> <div>ladle_si_mn</div> <div>ladle_fe_si</div> <div>ladle_fe_mn</div> <div>ladle_floor_spar</div> <div>ladle_limestone</div> <div>ContractNo</div> <div>charge_code</div> <div>charge_type</div> <div>rsm_dept</div> <div>rsm_contract</div> <div>furnace_gunningdust</div> <div>ladle_gunningdust</div> <div>furnace_calcium_lime</div> <div>ladle_calcium_lime</div> </div> </div>
mm_nonmetal_addition	
I2	heat_number
I2	pl_number
	quantity

mm_calendar_dump	
	<div> <div> <div>date</div> <div>shop</div> <div>dueto</div> <div>delete_flag</div> </div> </div>

mm_heat_bucket	
	<div> <div> <div>heat_number</div> <div>bucket_number</div> <div>entered_by</div> <div>bucket_number2</div> <div>entered_by2</div> <div>bucket_number3</div> <div>entered_by3</div> </div> </div>

mm_heat_sheet_melting	
PK	sl_no
	<div> <div> <div>heat_number</div> <div>furnace_inspection</div> <div>roof_outtime</div> <div>charge_start</div> <div>charge_end</div> <div>removed_material</div> <div>levelling</div> <div>roof_in</div> <div>back_charge_metal</div> <div>bucket_charge</div> <div>charge_met</div> <div>t6_power</div> <div>t2_power</div> </div> </div>

mm_workorder	
PK	number
	<div> <div>control_number</div> <div>product_code</div> <div>description</div> <div>route_code</div> <div>shop_code</div> <div>cost_center_code</div> <div>workorder_date</div> <div>workorder_quantity</div> <div>start_date</div> <div>start_shift</div> <div>end_date</div> <div>end_shift</div> <div>rmr_start_number</div> <div>rmr_end_number</div> <div>status</div> <div>rejection_quantity</div> <div>despatch_quantity</div> <div>transferred_quantity</div> <div>passed_quantity</div> <div>machine_time_logged</div> <div>labour_hours</div> <div>idle_hours_direct</div> <div>idle_hours_indirect</div> <div>material_value</div> <div>scrap_value</div> <div>process_loss</div> <div>suspend_date</div> <div>resume_date</div> <div>actual_start_date</div> <div>actual_end_date</div> <div>wo_exception</div> <div>rmr_generated_qty</div> <div>pwo_prd_qt</div> </div>

mm_heatsheet_header	
PK	heat_number
	<div> <div> <div>furnace_code</div> <div>melt_date</div> <div>shift_code</div> <div>shift_incharge</div> <div>furnace_incharge</div> <div>workorder_number</div> </div> </div>

mm_electrode	
	<div> <div> <div>heat_number</div> <div>e1make</div> <div>e1Reason</div> <div>e1added</div> <div>e1remark</div> <div>e1tip_profile</div> <div>e2make</div> <div>e2Reason</div> <div>e2added</div> <div>e2remark</div> <div>e2tip_profile</div> <div>e3make</div> <div>e3Reason</div> <div>e3added</div> <div>e3remark</div> <div>e3tip_profile</div> <div>e1Time</div> <div>e2Time</div> <div>e3Time</div> <div>Location1</div> <div>Location2</div> <div>Location3</div> </div> </div>

mm_FumeExtraction	
PK	FromHeat
PK	ToHeat
	<div> <div>OffTime</div> <div>OnTime</div> <div>Remarks</div> <div>SINo</div> </div>

mm_heat_sheet_charge	
	<div> <div> <div>heat_number</div> <div>skull</div> <div>riser_hub</div> <div>cut_scrap</div> <div>hbi</div> <div>pygmy_pot</div> <div>wheel_cut</div> <div>lms</div> <div>slpr_cut</div> <div>hot_heal</div> <div>axle_cut</div> <div>tuning_boring</div> <div>wheel</div> <div>axle_end</div> <div>shredded_scrap</div> <div>nm_gunny_dust</div> <div>nm_calcium_lime</div> <div>Remarks</div> <div>cha_qty</div> <div>Rail_Cut</div> </div> </div>

mm_RoofFixing	
	<div> <div> <div>RoofNo</div> <div>FurnaceCode</div> <div>FromHeatNo</div> <div>ToHeatNo</div> <div>Reason</div> <div>LiningNo</div> <div>Remarks</div> </div> </div>

mm_fettling_details	
	<div> <div> <div>heat_number</div> <div>ramming_mass_make</div> <div>ramming_mass_quantity</div> <div>wet_ramming_mass_make</div> <div>wet_ramming_mass_quantity</div> <div>gunning_mix_make</div> <div>gunning_mix_quantity</div> <div>vital_item_pl_number</div> <div>vital_item_make</div> <div>vital_item_quantity</div> <div>weight_per_peice</div> <div>size_in_mm_from</div> <div>size_in_mm_to</div> <div>used_quantity</div> <div>fettling_information</div> <div>fettling_done</div> <div>charge_code</div> <div>charge_quantity</div> <div>vital_item_short_name</div> <div>po_number</div> <div>idn_number</div> <div>delivery_challan_number</div> <div>weight_per_piece</div> <div>test_report_number</div> <div>test_report_date</div> <div>fur_rof</div> <div>buc_num1</div> <div>buc_num2</div> <div>buc_num3</div> <div>non_num</div> <div>pre_tet</div> <div>fur_jti</div> <div>ele_add</div> <div>buc_tim</div> <div>lvl_time</div> <div>bot_mad</div> <div>rof_liif</div> <div>cls_ind</div> </div> </div>

mm_PHL_Generation	
PK	phl_Date
	<div> <div>phl_GenDate</div> <div>GenBy</div> </div>

pm_supplier_master	
PK	supplier_code
	<div> <div>name</div> <div>address</div> <div>city_code</div> <div>state_code</div> <div>country_code</div> <div>pin_code</div> <div>phone_number</div> <div>grams_number</div> <div>fax_number</div> <div>telex_number</div> <div>email_id</div> <div>contact_person</div> <div>category</div> <div>manufacturer_agent_flag</div> <div>agent_code</div> <div>itcc_date</div> <div>status_code</div> <div>status_effective_date</div> <div>cst_number</div> <div>lst_number</div> <div>monitary_limit</div> <div>iso_9000_ind</div> <div>iso_14000_ind</div> <div>itcc_submitted_ind</div> <div>order_value</div> <div>pending_order_value</div> <div>number_of_orders</div> <div>number_of_pending_orders</div> <div>bulletine_validity_date</div> <div>remarks</div> <div>delete_flag</div> <div>delete_reason</div> </div>

pm_po_details		
PK,I1	po_number	pl_number
PK,I1	pl_number	
	<div> <div>long_description</div> <div>po_item_serial_number</div> <div>allocation</div> <div>consignee</div> <div>uom</div> <div>order_quantity</div> <div>received_quantity</div> <div>unit_rate</div> <div>po_alternate_description</div> <div>guarantee_period</div> <div>price_variation_clause</div> <div>state_code</div> <div>price_variation_text</div> <div>cancellation_code</div> <div>packing_forwarding</div> <div>paid_quantity</div> <div>vendor_rating</div> <div>special_conditions</div> <div>specification_number</div> <div>altration_number</div> <div>cancel_quantity</div> <div>paid_to_supplier</div> <div>inspection_cost_paid_by</div> <div>warranty</div> <div>pv_percent</div> <div>pv_percent_on</div> <div>pv_reference_parameter</div> <div>pv_reference_parameter_value</div> <div>pv_reference_parameter_date</div> <div>delete_flag</div> </div>	
I1		

code	
PK	application
PK	code_type
PK	code
PK	description
	attribute

pm_po_header	
PK	po_number
I1	<div> <div>po_section</div> <div>po_date</div> <div>number_of_items</div> <div>supplier_code</div> <div>allocation</div> <div>order_completion_date</div> <div>payment_type</div> <div>test_certificate_flag</div> <div>insurance_flag</div> <div>performance_guarantee_flag</div> <div>order_type</div> <div>despatch_mode</div> <div>mode_of_payment</div> <div>acknowledgement_flag</div> <div>po_value</div> <div>it_clearance_flag</div> <div>indent_reference</div> <div>indent_date</div> <div>rlo_reference</div> <div>last_amd_serial_number</div> <div>sd_amount</div> <div>sd_mode</div> <div>delivery_complied_flag</div> <div>po_status</div> <div>po_status_date</div> <div>sd_refund_flag</div> <div>po_category</div> <div>currency</div> <div>liability_current_year</div> <div>liability_1st_year</div> <div>liability_2nd_year</div> <div>liability_3rd_year</div> <div>paid_to_supplier</div> <div>purchase_grant_group</div> <div>old_po_number</div> <div>order_name</div> <div>cheque_name</div> <div>itcc_validity_date</div> <div>it_recovery_flag</div> <div>freight_clause</div> <div>freight_amount</div> <div>price_variation_text</div> <div>notes</div> <div>contract_type</div> <div>sd_gr_number</div> <div>freight_to_pay_paid</div> <div>po_issue_date</div> <div>received</div> <div>pg_bond_required</div> <div>delete_flag</div> </div>

mm_PreHeatedLadleSetTemp	
	<div> <div> <div>PreHeatID</div> <div>SetDateTime</div> <div>LPH</div> <div>HSDQty</div> <div>SetTemp</div> <div>ActualTemp</div> <div>Staff</div> <div>Remarks</div> <div>SetID</div> </div> </div>

fm_contract	
PK	department_code
PK	contract_number
	<div> <div>consignee</div> <div>contract_date</div> <div>contract_type</div> <div>agrement_number</div> <div>contractor_code</div> <div>contractor_name</div> <div>address_line1</div> <div>address_line2</div> <div>address_line3</div> <div>pincode</div> <div>contract_value</div> <div>advice_percentage</div> <div>payments</div> <div>validity</div> <div>itcc_value</div> <div>sd_amount</div> <div>sd_cash</div> <div>sd_recovery</div> <div>sd_percentage</div> <div>emd_amount</div> <div>gr_number</div> <div>it_percentage</div> <div>sit_percentage</div> <div>st_percentage</div> <div>allocation</div> <div>workorder_number</div> <div>bank_code</div> <div>work_code</div> <div>sd_gr_number</div> <div>sd_gr_date</div> <div>gr_date</div> <div>work_name</div> <div>sd_mode</div> <div>bg_date</div> <div>delete_flag</div> <div>user_id</div> <div>autonumber</div> </div>

pm_item_master	
PK	<u>pl_number</u>
PK	<u>ward</u>
PK	<u>category</u>
	<b>serial_number</b> short_description long_description ved_indicator catalog_number consignee drawing_number specification_number altration_number uom imported_indigenous proprietary_ind supplier_code warranty_required reserved_for_ssi trade_group bulletine_attribute_1 bulletine_attribute_2 purchase_agency rawmaterial_spare_indicator safety_indicator last_po_number item_type delete_flag expense_number special_conditions vital_parameters machine_code subassembly_code sd_freeze_flag pg_clause privilege_item_ind preservation_method inspection_authority customs_tariff_heading customs_tariff_description hs_nomenclature requirement_type inspection_agency inspection_place inspection_type item_nature

fm_code	
PK,I1	code_type
PK,I1	code
PK	code_attributes
	code_description
	delete_flag

mm_ContractQty	
PK	ContractNo
	Qty

mm_LadlePODetails	
PK	PONumber
PK	InspCertificateNo
PK	BricksSize
	<div> <div>InspCertificateDate</div> <div>AcceptedQty</div> <div>PLC</div> <div>RUL</div> <div>PCE</div> <div>AP</div> <div>Remarks</div> <div>SINo</div> </div>

ms_FurnaceLining	
PK	LiningNo
PK	LT
	<div> <div>LB</div> <div>LiningItemNo</div> <div>HandedOverOn</div> <div>WorkStartedOn</div> <div>WorkCompletedOn</div> <div>LOANo</div> <div>LOADate</div> <div>ScheduledQty</div> <div>CompletedQty</div> <div>InspectionNote</div> <div>SINo</div> <div>BTT</div> <div>BMOM</div> <div>TTT</div> <div>TMOM</div> <div>Depth</div> <div>LastHeatNo</div> <div>PreLiningNo</div> <div>FirstHeatNo</div> <div>FFLNo</div> <div>GroupLeader1</div> <div>GroupLeader2</div> <div>LOARemarks</div> </div>