

Organisation Chain : THE WEST BENGAL POWER DEVELOPMENT CORPORATION LTD.||SAGARDIGHI THERMAL POWER PROJECT (SgTPP)

Tender Id : 2019_WBPDC_215782_1

Tender Reference Number : WBPDC/SGTPP/NIT/E1241/18-19

Tender Title : Procurement of Complete Coal Nozzle Assembly of stage- 1 (2 X 300 MW) for Sagardighi Thermal Power Project,WBPDC

Corrigendum Type : Technical Specification

Detail Information:

- 1) For item SI. No-5 Technical specification will be as per Tender Document as there is some difference in Drawing.
- 2) PMI Test for item SI.No-5 will be for alumina content.
- 3) Test of Alumina ceramic Tiles will be as per attached SQP (Standard Quality Plan) for item SI.No-5
- 4) Inspection (by TPI /WBPDC representative/Joint Inspection) will be done to check all the properties of Alumina Ceramic Tiles being used for lining of Coal Nozzle Assembly as per attached SQP by destructive test at vendor's works. TPI cost will be borne by Bidder.
- 5) All the Ceramic Tiles will be of weldable ceramic tiles .welding to be done with high temperature weld plug.

All other Terms & Conditions as per Tender Document will be remain unchanged.

Manufacturer's Logo		Manufacturer's Name & Address (es)		STANDARD QUALITY PLAN							PROJECT :			
		ITEM :	ALUMINA CERAMIC LINED COMPONENTS		QP No. :			CONTRACTOR :						
					DATE :									
					PAGE : 1 of 1									
Sl. No.	Component / Operation	Characteristics	Class of Check	Type of Check	Quantum of Check		Reference Document	Acceptance Norm	Format of Record		Agency**			Remarks
1	2	3	4	5	M	T/C	7	8	9	D*	10			11
1.0 RAW MATERIAL														
1.1	Steel Plate	Chemical Analysis Mechanical Properties	B	Verification	100%	100%	IS-2062 Gr E250 Br.	IS-2062 Gr E250 Br.	Mill Test Certificate	.	P	V	V	
2.0 INSPECTION OF FABRICATED CASING														
2.1	Dimensions	Visual Inspection & Dimensions	A	Mesurement	100%	10%	As per Approved Drawing	As per Approved Drawing	Fabrication Report	.	P	V	R	
2.2	Welding	Welding Process Welder's Qualification	B B	Review of WPS, WPO	100%	100%	ASME Sec IX		WPS, WPO	.	P	V	R	Refer Note-3
		Welding - Butt Weld Joint	B	DPT	10%	10%	ASME Sec V	ASME B31.1	DP Test Report	.	P	W	W	
3.0 FINAL INSPECTION OF CERAMIC LINED EQUIPMENT														

3.1	Final Assembly	Dimensional	A	Visual & measurement	100%	10%	As per Approved Drawing	As per Approved Drawing	Final Inspection Log Sheet	.	P	W	W	CHP
3.2	Step & Gap between Tiles	Visual Inspection	A	Visual	100%	100%	2 mm (Maximum)		Lining Report	.	P	W	W	
3.3	Testing of Ceramic Tiles	Alumina Content	A	Chemical	5 Samples / Lot	5 Samples / Lot	Approved Ceramic Datasheet	>90%	Manufacturer's Test Certificate	.	P	W	W	Alumina Content to be witnessed on XRF. Vendor to ensure availability of Certified Reference Materials for onsite calibration before testing
		Bulk Density	A	Physical	1 Sample / Lot	1 Sample / Lot	Approved Ceramic Datasheet	3.6 gm/cc (Minimum)		.	P	W	W	Refer Note - 1&2
		Hardness	A	Physical	1 Sample / Lot	1 Sample / Lot	Approved Ceramic Datasheet	≥ 9 Moh's		.	P	W	W	
		Water Absorption	A	Physical	1 Sample / Lot	1 Sample / Lot	Approved Ceramic Datasheet	0.1% (Maximum)		.	P	W	W	
		Compressive Strength	A	Physical	1 Sample / Lot	1 Sample / Lot	Approved Ceramic Datasheet	10,000 Kg/cm ² (Minimum)		.	P	W	W	
		Flexural Strength	A	Physical	1 Sample / Lot	1 Sample / Lot	Approved Ceramic Datasheet	2,200 Kg/cm ² (Minimum)		.	P	W	W	
		Abrasion resistance test by Rubbing	A	Physical	1 Sample / Lot	1 Sample / Lot	Approved Ceramic Datasheet	0.1 gm (Maximum)		.	P	W	W	
		Color	A	Visual	100%	100%	White	White		.	P	W	W	

3.4	Tile Thickness Check	Dimensional	A	Mesurement	100%	10%	As per Approved Drawing		Test Report	.	P	W	W	Refer Note-4
3.5	Identification and Marking	Standard Marking and Stamping	B	Verification & Stamping	100%	-	Manufacturer's Standard	Manufacturer's Standard	List of material with Identification	.	P	-	-	
3.6	Painting	Visual Inspection	B	Visual	100%	10%	As per PO Technical Specifications / Manufacturer's Standard		Painting Report	.	P	R	R	
4.0	MDCC	Issue of MDCC	A	Review of Inspection records	100%	100%	As per WBPDCI Approved Drawing & MQP	As per DPSI Approved Drawing & MQP	MDCC	.	P	V	V	Refer Note-6
<p>#####</p> <p>#####</p>														
LEGENDS : CI : Class (A : Critical, B : Major, C : Minor) ** M : Manufacturer, T: Third Party Agency, C: Buyer P : Perform, W : Witness, V : Verification, R : Review, CHP: Customer Hold Point								DOC NO.:		REV. CAT		Owner's Logo		

	IR : Internal Inspection Reports, MTC: Material Test Certificate								
Manufacturer	* Records, Identified with Tick (·) shall be essentially Included in QA Documentation								
SIGNATURE						FOR OWNER'S USE	REVIEWED BY	APPROVED BY	APPROVAL SEAL