

BOQ

NAME OF PROJECT:		4X210MW NTPC Kahalgaon - R&M (ESP)		
NAME OF PACKAGE:		MILL REJECT SYSTEM (CONVEYOR TYPE)		
TECHNICAL SPECIFICATION:		PE-TS-455-160-11000-A-A001		
S. No.	DESCRIPTION		UNIT	QTY
1.0	Total lump sum firm price for SUPPLY PART AND SERVICE PART comprising of design (i.e.preparation and submission of drawing /documents including “As Built” drawings and O&M manuals), engineering, manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance tools & tackles, fill of lubricants & consumables, spares for erection,startup and commissioning as required, forwarding, proper packing, shipment and delivery at site, dismantling, material handling, unloading, transportation & storage at site, in-site transportation, assembly, minor civil works, erection & commissioning, final painting at site, trial run at site, preparation of drawings and carrying out performance guarantee/Functional/Demonstration tests at site (As applicable), training of customer/client O&M staff & final handing over to end customer in flawless condition for project and package specified above complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.		Lot	1
2.0	MAJOR BREAK-UP OF PRICES GIVEN IN 1.0 ABOVE.			
2.1	Total lumpsum firm prices for SUPPLY part comprising of design (i.e. preparation and submission of drawing /documents including “As Built” drawings and O&M manuals), engineering, manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance tools & tackles, fill of lubricants & consumables, alongwith spares for erection, startup and commissioning as required, forwarding, proper packing, shipment and delivery at site, preparation of drawings for project and package specified above complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.		Lot	1
2.2	Total lumpsum firm prices for SERVICES part comprising of dismantling, material handling, unloading, transportation & storage at site, in-site transportation, assembly, minor civil works, erection & commissioning, final painting at site, trial run at site, and carrying out performance guarantee/Functional/Demonstration tests at site (As applicable), training of customer/client O&M staff & final handing over to end customer in flawless condition for project and package specified above complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.		Lot	1

BOQ (DETAILS OF SUPPLY ITEMS)			
NAME OF PROJECT:		4X210MW NTPC Kahalgaon - R&M (ESP)	
NAME OF PACKAGE:		MILL REJECT SYSTEM (CONVEYOR TYPE)	
TECHNICAL SPECIFICATION:		PE-TS-455-160-11000-A-A001	
Sl. No.	Item Description	Unit	Qty
2.1	Total lumpsum firm prices inclusive of all prevailing taxes, duties and other levies for SUPPLY part comprising of design (i.e. preparation and submission of drawing /documents including "As Built" drawings and O&M manuals), engineering, manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance tools & tackles, fill of lubricants & consumables, alongwith spares for erection, startup and commissioning as required, forwarding, proper packing, shipment and delivery at site, preparation of drawings for project and package specified above complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.	Lot	1
	BREAK-UP OF PRICES GIVEN IN 2.1 ABOVE		
2.1.1	Mechanical		
2.1.1.1	Conveyor gallery along with its supporting structures, foundation bolts, short supports, stringers, deck plate, seal plate, conveyor structure, gravity take up, take up structure, chutes, hand rails, roof/side sheeting of conveyor gallery (Single skin troughed profile colour coated sheet), painting including supply of paint etc. for MRC-1 and MRC-2.	Lot	1
2.1.1.2	Conveyor Belt for MRC-1 and MRC-2	Lot	1
2.1.1.3	Carrying Idler for MRC-1 and MRC-2 with mounting frame and bracket all other accessories	Lot	1
2.1.1.4	Return Idler for MRC-1 and MRC-2 with mounting frame and bracket all other accessories	Lot	1
2.1.1.5	Impact Idler for MRC-1 and MRC-2 with mounting frame and bracket all other accessories	Lot	1
2.1.1.6	Self Aligning Carrying Idler for MRC-1 and MRC-2 with mounting frame and bracket all other accessories	Lot	1
2.1.1.7	Self Aligning return Idler for MRC-1 and MRC-2 with mounting frame and bracket all other accessories	Lot	1
2.1.1.8	Self Cleaning return Idler for MRC-1 and MRC-2 with mounting frame and bracket all other accessories	Lot	1
2.1.1.9	Internal and External Scraper with all accessories	Lot	1

2.1.1.10	Drive pulley, Tail pulley, Snub pulley, take-up Pulley, bend pulley with bearing, Plummer block and all accessories, counter weight etc. for MRC-1 and MRC-2	Lot	1
2.1.1.11	Drive Unit - Motor, Gear box, Fluid coupling, Gear Coupling, resilience coupling etc. for MRC-1 and MRC-2.	Lot	1
2.1.1.12	Sump Pump with motors, local control panel, level switches, individual discharge piping with fittings and valves to nearest plant drain including pipes upto disposal point etc.	Nos.	4
2.1.1.13	Chain pulley blocks with monorail beam and all other accessories	Lot	1
2.1.1.14	Mill reject storage silo in steel construction having an effective storage capacity of 100 M3 (160Metric tones) with necessary supporting steel structure, platforms, staircase, 3 mm thick SS plate liners covering straight length portion and conical portion of mill reject storage silo, etc.	Nos.	1
2.1.1.15	Manual operated unloading gate for mill reject silo	No.	1
2.1.2	Electrical and C&I		
2.1.2.1	LT MCC	Set	1
2.1.2.2	Control Panel for Mill Reject System (Relay based)	Set	1
2.1.2.3	Power, Control & Instrument Cables	Lot.	1
2.1.2.4	Cable Trays & Earthing Material	Lot.	1
2.1.2.5	Lighting (illumination) System	Lot.	1
2.1.2.6	Local Control Panel (LPBS) for Sump Pump	No.	4
2.1.2.7	Pull Cord Switchs for complete MRC-1 and MRC-2	Lot	1
2.1.2.8	Belt Sway Switchs for complete MRC-1 and MRC-2	Lot	1
2.1.2.9	Zero Speed Switchs for complete MRC-1 and MRC-2	Lot	1
2.1.2.10	Level Switches	Lot	1
2.1.2.11	Level Switches for Silo	Lot	1
NOTES:	1. "1 Lot" corresponds to requirement of complete mill reject system.		
	2. It is presumed that any and all price includes associated Mechanical, Electrical, C&I, etc. as applicable and required to complete the Mill Reject System including Dismantling, Material handling, Storage, Supply , Erection & Commissioning as per technical specification is built up in the prices of items listed below. No separate payment shall be given for any additional supply /services required to complete the job as per technical specification other than items listed above. Bidder has to consider this aspect before quoting the price bid.		

BOQ (DETAILS OF E&C)			
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TECHNICAL SPECIFICATION:		PE-TS-455-160-11000-A-A001	
Sl. No.	Item Description	Unit	Qty
2.2	Total lumpsum firm prices inclusive of all prevailing taxes, duties and other levies for SERVICES part comprising of dismantling, material handling, unloading, transportation & storage at site, in-site transportation, assembly, minor civil works, erection & commissioning, final painting at site, trial run at site, and carrying out performance guarantee/Functional/Demonstration tests at site (As applicable), training of customer/client O&M staff & final handing over to end customer in flawless condition for project and package specified above complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.	Lot	1
	BREAK-UP OF PRICES GIVEN IN 2.2 ABOVE		
2.2.1	SERVICES part comprising of unloading & storage at site, in-site transportation, assembly, minor civil works, erection & commissioning, final painting at site, trial run at site, and carrying out performance guarantee/Functional/Demonstration tests at site (As applicable), training of customer/client O&M staff & final handing over to end customer in flawless condition for project and package specified above complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.	Lot	1
2.2.2	Complete dismantling of MRC-2 including mill reject silo, dismantling/relocation/modification of MRC-1 as required, dismantling of stair case and lift (42 M - rack and pinion type) required for extension of MRC-1 and handling over to customer.	Lot	1
TOTAL PRICE			
NOTES:	1. "1 Lot" corresponds to requirement of complete mill reject system.		
	2. It is presumed that any and all price includes associated Mechanical, Electrical, C&I, etc. as applicable and required to complete the Mill Reject System including Dismantling, Material handling, Storage, Supply , Erection & Commissioning as per technical specification is built up in the prices of items listed below. No separate payment shall be given for any additional supply /services required to complete the job as per technical specification other than items listed above. Bidder has to consider this aspect before quoting the price bid.		