

	NTPC SAIL POWER COMPANY (P) LIMITED ROURKELA POWER PROJECT (PP – III : 1X250 MW)	
	TECHNICAL SPECIFICATION FOR EPC PACKAGE	

		LEADER, JALLANDHAR
		BANKIM & CO. , KOLKATA
		H SARKAR, KOLKATA
		KIRLOSKAR, KONDHAPURI
		A V VALVE, AGRA
17.	GM GATE/GLOBE/CHECK VALVE	LEADER, JALLANDHAR
		SANT VALVE, JALLANDHAR
		SIEMENS GERMANY
		RAPIDCOOL, DELHI
19.	THERMAL INSULATION	U.P.TWIGA, SIKNDRABAD
20.	FIRE DAMPER (MOTORIZED) WITH SINGLE PHASE ACTUATOR	LLOYD, BHILAI
		SYSTEM AIR, NOIDA
		CARYAIRE, GREATER NOIDA
		TSC, MUMBAI
		AIRTECH, MUMBAI
21	CONDENSING UNITS	BLUE STAR, THANE
		VOLTAS, THANE
Low Pressure piping and Fuel oil handling system		
22.	PLUG VALVE	WEIR BDK, HUBLI
		FISHOR XOMOX, CHENNAI
		VAAS, CHENNAI
23.	ANTI CORROSIVE TAPE (FOR EXTERNAL COATING)	PORWAL INDUTRIES, RAIPUR
		STP, JAMSHEDPUR
		MP TAR PRODUCTS, BHILAI
		RUSTECH, KOLKATA
24.	STEEL PLATES & STRUCTURAL SECTION	JSW
		SAIL
		TISCO
		JSPL
		ESSAR
		RINL
		LLOYD STEEL
25.	SUCTION HEATER	PARKAIRE, DELHI
		ABACUS HEAT TRANSFER
		TEMASME, NOIDA
26.	PRESSURE REDUCING STATION	SPRIAX MARSALL, PUNE



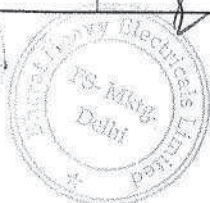
	NTPC SAIL POWER COMPANY (P) LIMITED ROURKELA POWER PROJECT (PP - III : 1X250 MW) TECHNICAL SPECIFICATION FOR EPC PACKAGE	
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27.	INSULATION-ROCK WOOL	EMERSON PROCESS, CHENNAI LLOYD INSULATION CHENNAI WORKS AT ROCK WOOL, BHILAI, BHILAI
		ROCK WOOL, MEDAK
		LOPNUS ROCKWOOL, GWALIOR
		MINWOOL ROCK FIBER, RAJNAND GAON

1.	SAW (SPIRAL WELDED/ROLLED & WELDED) PIPES AS PER IS-3589	MUKAT TANK & VESSELS, TARAPUR
		MUKAT PIPES, RAJPURA
		JCO GAS PIPES, CHINDWARA
		PRATIBHA PIPES & STRUCTURAL, THANE
		PSL, CHENNAI
		PSL, DAMAN
		SAIL, ROURKELA
		PSL, VIZAG
		PSL, ANJAR
		SAMSHI PIPE INDUSTRIES, VADODRA
		MAN INDUSTRIES, INDORE
		WELSPUN, BHARUCH
		WELSPUN, ANJAR
		RATNAMANI, CHHATRAL
		RATNAMANI, ANAJR
		LALIT PROFILE, KHARDI, MUMBAI
		SURENDRA ENGG. RAJPURA
2.	ERW PIPE (IS 1239/3589)	JINDAL, GHAZIABAD
		TESCO, JAMSHEDPUR
		SAIL, ROURKELA
		SURYA ROSHNI, BAHADURGARH
		WELSPAN, ANJAR
		MSL, RAIGAD
		INDUS TUBE, G.S. NAGAR
		JINDAL INDUSTRIES. HISSAR
		DADU PIPES, SIKANDRABAD
		RATNAMANI, ANJAR
3.	ERW PIPE (API 5L)	JINDAL, GHAZIABAD

	NTPC SAIL POWER COMPANY (P) LIMITED ROURKELA POWER PROJECT (PP – III : 1X250 MW) TECHNICAL SPECIFICATION FOR EPC PACKAGE	
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		TESCO, JAMSHEDPUR
		SAIL, ROURKELA
		MSL, RAIGAD
		SURYA ROSHNI, BAHADURGARH
		RATNAMANI, ANJAR
4.	SS PIPE (WELDED/SEAMLESS) AS PER ASTM A 312	REMI, TARAPUR
		RATNAMANI, CHHATRAL/ANJAR
		APEX, BEHRORE
		PRAKASH STEELAGE, VALSAD
5.	CI BUTTERFLY VALVE	WEIR-BDK, HUBLI
		FOURESS, BANGALORE
		TYCO, HALOL
		INTERVALVE, PUNE
		CRANE PROCESS, SATARA
		DEMBLA VALVE, THANE
		R&D MULTIPLES, VALSAD
		KBL, KONDHAPURI
		IL, PALGHAT
		HAWA VALVE, AMEDABAD
6.	SS BUTTERFLY VALVE	WEIR-BDK, HUBLI
		FOURESS, BANGALORE
		IL, PALGHAT
		INTERVALVE, PUNE
		CRANE PROCESS, SATARA
		HAWA ENGINEERS, AHMEDABAD
		FLOW SERVE (AUDCO)
		DEMBLA VALVE, THANE
7.	GM VALVE (GATE, GLOBE & CHECK) UP TO 50 NB	LEADER VALVE, JALLANDHAR
		SANT VALVE, JALLANDHAR
8.	CI GATE VALVE	H SARKER, KOLKATA
		BANKING & COMPANY, KOLKATA
		WEIR BDK, HUBLI
		KBL, KONDHAPURI
		A V VALVE, AGRA
		LEADER, JALLANDHAR
9.	CARBON STEEL GATE/GLOBE/CHECK VALVE	LEADER, JALLANDHAR
		FOURESS ENGG., THANE
		FOURESS ENGG. AURANGABAD
		BHEL, GOINDWAL
		WEIR BDK, HUBLI
		HITECH, AHMEDABAD





NTPC SAIL POWER COMPANY (P) LIMITED
ROURKELA POWER PROJECT
(PP - III : 1X250 MW)



TECHNICAL SPECIFICATION FOR
EPC PACKAGE

		STEEL STRONG, NAVI MUMBAI
		OSWAL INDUSTRIES, THANE
		KSB WATER PUMPS & VALVES, COIMBATORE
		GLOBE ENGG. CORPORATION, VADODRA
		KBL, KONDHAPURI
		HAWA ENGINEERS, AHMEDABAD
10.	SS GATE/GLOBE/CHECK VALVE	LEADER, JALLANDHAR
		FOURESS ENGG., THANE
		WEIR BDK, HUBLI
		STEEL STRONG, NAVI MUMBAI
		HITECH, AHMEDABAD
		KSB WATER PUMPS & VALVES, COIMBATORE
		HAWA ENGINEERS, AHMEDABAD
		BHEL, GOINDWAL
11.	FORGED STEEL (CS/SS) GATE/GLOBE/CHECK VALVE (UP TO 50 NB, CL 800)	STEEL STRONG, NAVI MUMBAI
		FOURESS ENGG. AURANGABAD
		FOURESS ENGG., THANE
		HAWA ENGINEERS, AHMEDABAD
		HITECH, AHMEDABAD
		KSB WATER PUMPS & VALVES, COIMBATORE
		LEADER, JALLANDHAR
		KBL, KONDHAPURI
12.	BALL VALVE	PEC, NASHIK
		MICROFINISH, DHARWAD
		WEIR BDK, HUBLI
		FLOW CHEM, AHMEDABAD
		LEADER, JALLANDHAR
		HAWA ENGINEERS, AHMEDABAD
13.	FS BALL VALVE (UP 50 NB CLASS 800)	PEC, NASHIK
		MICROFINISH, DHARWAD
		WEIR BDK, HUBLI
		AKAY INDUSTRIES, HUBLI
		FLOW CHEM, AHMEDABAD
14.	DUAL PATE CHECK VALVE	ADVANCE VALVE, GREATER NOIDA
		R&D MULTIPLES, VALSAD
		LEADER, JALLANDHAR

	NTPC SAIL POWER COMPANY (P) LIMITED ROURKELA POWER PROJECT (PP - III : 1X250 MW) TECHNICAL SPECIFICATION FOR EPC PACKAGE	
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		HAWA ENGINEERS, AHMEDABAD
15.	AIR RELEASE VALVE	H SARKER, KOLKATA
		BANKING & COMPANY, KOLKATA
		R&D MULTIPLES, VALSAD
		KBL, KONDHAPURI
16.	SIMPLEX/DUPLEX/CONICAL STARINER	GRAND PRIX, FARIDABAD
		GUJARAT OTOFILT, VATVA, AHMEDABAD
		FILTRATION ENGRS. MUMBAI
		OTOKLIN FILTERS, MUMBAI
		SAROJANI ENTRPRISE, HOWRA
		SUPERFLO, MUMBAI
		MULTITEX, NOIDA
17.	MONO RAIL HOIST (UP TO 2T)	GRIP ENGINEERS, BLLABHGARH/HYDERABAD
		REVA INDUSTRIES, FARIDABAD
		CONSOLIDATED HOIST, PUNE/SATARA
		EDDY CRANES, MUMBAI
		ARMSELL, BANGALORE
		TRACTEL TRIFOR, PALWAL
		HERCULES HOIST, RAIGAD
		ELECTROTHAREPY, RISHRA (KOLKATA)
		CENTURY CRANES, PALWAL
		ALPHA SERVICES, BHIWADI
		MILLARS INDIA, KARAMSAD, ANAND
		PRAYAS ENGG. (PBL), V V NAGAR
18.	RE JOINT	CORI ENGG. CHENNAI
		SRM EXOFLEX PVT, KOLKATA
19.	SCREW PUMP	ROTO PUMPS, NOIDA
		ROTOMAC INDUSTRIES (P) LTD, KANPUR
		TUSHACO, MUMBAI
		UT PUMPS, FARIDABAD
20.	SUMP PUMP	SAM TURBO, COIMBATORE
		KISHORE PUMPS, PUNE
		KBL, KIRLOSKARWADI
		M&P, PUNE
		SAM TURBO, COIMBATORE

	NTPC SAIL POWER COMPANY (P) LIMITED ROURKELA POWER PROJECT (PP - III : 1X250 MW) TECHNICAL SPECIFICATION FOR EPC PACKAGE	
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		WPIL, KOLKATA/GHAZIABAD
		FLOWMORE PUMP, GHAZIABAD
		B&C ENGG., CHENNAI
21.	FITTING (MS/SS)	PIPE FIT, VADODRA
		GUJRAT INFRA PIPES, BARODA
		MS FITTINGS, KOLKATA

WATER TREATMENT PLANT (DM+PT+RO)

Sl. No.	Item	SUB-SUPPLIERS PROPOSED
1.	REACTOR CLARIFIER	TRIVENI, NOIDA
		EIMCO KCP, CHENNAI
		ION EXCHANGE, MUMBAI
		GEO, MILLER, DELHI
2.	TUBE SETTLER MEDIA	MM AQUA, GURGAON
		COOLDECK, DAMAN
3.	PRESSURE VESSELS/ATMOSPHERIC STORAGE TANKS	MURTHAL TANKS & VESSELS, SONEPAT
		S V FABRICATORS, NAVI MUMBAI
		SYSCON ENGINEERS, AMBERNATH
		JASMINO POLYMERTECH, TALOJA
		TITAN, DURGAPUR
		GLOBAL COMPOSITE, WADA
		RISHI INDUSTRIES, BAHALGARH
		CHEM PROCESS SYSTEM, SANAND
		GRAVITAS, FARIDABAD
4.	HORIZAONTAL & VERTICAL CENTRIF JGAL PUMPS UPTO M3/HR & 200 MWC	KIRLOSKAR BROS LTD, KIROSKARWADI
		MATHER & PLATT, PUNE/KOLHAPUR
		SAM TURBO, COIMBATORE
		FLOWMORE, GHAZIABAD
		BEST AND CROMPTON, CHENNAI
		JYOTI, VADODARA
		WPIL, GHAZIABAD
		KISHOR PUMPS, PUNE
		KSB, PUNE
5.	VERTICAL TURBINE PUMPS UPTO 50 M3/HR.100 MWC	JYOTI, VADODARA
		MATHER & PLATT,



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	TECHNICAL SPECIFICATION FOR EPC PACKAGE	

		PUNE/KOLHAPUR
		WPIL, GHAZIABAD
		KBL, KIRLOSKARWADI
		FLOWMORE, SAHIBABAD
6.	DRAINAGE PUPM (SUBMERSIBLE TYPE) 50M3/HR, 20 MWC	KISHOR PUMPS, PUNE
		KSB, PUNE
		KIRLOSKAR BROS LTD, KIROSKARWADI
		DARLING PUMPS, INDORE
		WPIL, GHAZIABAD
		MBH PUMPS, AHMEDABAD
7.	METERING PUMPS DIAPHARAGM TYPE	MILTON ROY, CHENNAI
		SWELLORE AHMEDABA
		SHAPOO TOOLS, MUMBAI
		V K PUMPS, NASIK
		GRUNDFOS ALLDOSS, GERMANY
8.	PP ACID/ALKALI UNLOADING PUMP	ANTICO, VALSAD
		ENGINEERS COMBINE, THANE
9.	CIRL HORIZONTAL CENTRIFUGAL PUMP UPTO 500M3/HR	KISHOR PUMPS, PUNE
		SU MOTOR, MUMBAI
10.	CI/CIRL DIAPHRAGM VALVES (MANUAL/PNEU) UP TO 300 NB, PN 10	CRANE PROCESSFLOW TECH, SATARA
		WEIR BDK, HUBLI
		PROCON ENGINEERS, MUMBAI
11.	CI/CIRL/CSS DUAL PLATE CHECK VALVE UPTO 500 NB, CLASS 150	ADVANCE VALVES, GR. NOIDA
		LEADER, JALLANDHAR
		R&D MULTIPLES, VALSAD
12.	CCS/CSS BALL VALVE UPTO 100NB	FLOWCHEM, KALOL
		WEIR BDK, HUBLI
		MICRO FINISH, HUBLI
		PEC, NASHIK
		AKAY VALVES, HUBLI
13.	CI BUTTERFLY VALVE (MANUAL/PNEU/ELECT) UPTO 1200 NB, PN10	INTERVALVE (INDIA) PVT. LTD, PUNE
		WEIR BDK, HUBLI
		TYCO VALVES, HALOL
		CRANE FLOW PROCESS, SATARA
		FOURESS, BANGALORE



	NTPC SAIL POWER COMPANY (P) LIMITED ROURKELA POWER PROJECT (PP - III : 1X250 MW) TECHNICAL SPECIFICATION FOR EPC PACKAGE	
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		KBL, KONDHAPURI
		HAWA ENGINEERS, AHMEDABAD
		R&D MULTIPLE, VALSAD
14.	CI GATE, CLOBE & SWING CHECK VALVES UPTO 500 NB, CLASS 150	LEADER, JALANDHAR
		A V VALVES, AGRA
		H SARKER, HOWRAH
		BANKIM, HOWRAH
		WEIR BDK, HUBLI
15.	CCS/CSS GATE, CLOBE & SWING CHECK VALVES UPTO 400 NB, CLASS 150	LEADER, JALANDHAR
		OSWAL INDUSTRIES, AHMEDABAD
		FOURESS, AURANGABAD
		STEEL STRONG, RABALE
		WEIR BDK, HUBLI
		HAWA ENGINEERS, AHMEDABAD
16.	CI/CIRL NRV FLAP TYPE	LABLINE, MUMBAI
		WEIR BDK, HUBLI
17.	CI PLUG VALVE UPTO 100 NB, CLASS 150	FISHER XOMOX SANMAR, VADUGAPATTI
		WEIR BDK, HUBLI
		VASS, CHENNAI
		MICROFINISH, HUBLI
18.	PR./VACCUUM RELIEF VALVE	LEADER, JALANDHAR
		FISHER SANMAR, CHENNAI
		FAINGER LESER, AURANGABAD
		SPIREX MARSHAL, PUNE
19.	STRAINER Y TYPE/BASKET TYPE	MULTITEX, NOIDA
		GRAND PRIX, NEW DELHI
		JAYPEE, FARIDABAD
		FILTRATION ENGR., NAVI, MUMBAI
		GUJARAT OTOFILT, AHMEDABAD
20.	CI SLUICE GATE	YASHWANT, MIRAJ
		JASH ENGG. INDORE
		SHIV DURGA, HOWRAH
		H SARKER, HOWRAH
21.	RUBBER LINING OF TANKS/VESSELS/PIPES/VALVES	JASMINO POLYMERTECH, TALOJA
		CORI ENGINEERS, CHENNAI
		WESTERN RUBBER, MUMBAI
		ELASTOMER LINING AMBERNATH

	NTPC SAIL POWER COMPANY (P) LIMITED ROURKELA POWER PROJECT (PP - III : 1X250 MW) TECHNICAL SPECIFICATION FOR EPC PACKAGE	
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		EMKAY RUBBER, MUMBAI
		RISHI,BAHALGARH
		POLY RUBBER, MUMBAI
		TEMSEC RUBBER,KOLKATA
		INDUSTRIAL LINING, VADODARA
		DEBDIP, KOLKATA
		MIL INDUSTRIES, CHENNAI
		ARUL RUBBER,HOSUR
		PRESIDENCY RUBBER, HOWRAH
22.	PP & PTFE LINED PIPES/FITTINGS/SPOOLS	DIP FLON, AHMEDABAD
		HORIZON POLYMER, AHMEDABAD
23.	MS PIPES (BLACK/GI) IS:1239 & IS:3589 UPTO 1400 NB	SAIL, ROURKELA
		MAHARASHTRA SEAMLESS, RAIGAD
		JINDAL, GHAZIABAD
		INDUST TUBES, G B NAGAR
		SURYA ROSHNI, BAHADURGARH
		TISCO, JAMSHEDPUR
		WELPSUN, ANJAR
		WELSPUN, BHARUCH
		MANN IND, INDORE
		SAMSHI, VADODARA
		MUKAT TANKS AND VESSELS, TARAPUR
		MUKUT PIPES, RAJPURA
		DADU PIPES, SIKRANDRABAD
		LALIT PROFILE, THANE
		SURENDRA ENGG, RAJPURA
		RATNAMANI, CHHATRAL
		RATNAMANI, KUTCH
		PSL, CHENNAI/VIZAG/KUTCH/DAMAN
		JCO GAS PIPES, CHINDWARA
24	SS PIPE ASTM A 312 UPTO 100 NB	REMI, TARAPUR
		RATNAMANI, CHATRAL/KUTCH
		SUMITOMO, JAPAN
		SOSTA, GERMANY
		OUTO KOMPU, SWEDEN
		PRAKASHS STEELAGE, VALSAD
		APEX, BEHRORE
25.	CS SEAMLESS PIPES ASTM PIPES ASTM A 106	ISMT, AHMEDABAD/BARAMTI



NTPC SAIL POWER COMPANY (P) LIMITED
ROURKELA POWER PROJECT
(PP - III : 1X250 MW)



TECHNICAL SPECIFICATION FOR
EPC PACKAGE

	UPTO 350NB	
26.	CI PIPES & FITTINGS	MAHARASHTRA SEEMLESS RAIGAD ELECTROSTEEL, CHENNAI KAPILANSH DHATU UDYOG, NAGPUR TRUFORM ENGINEERS, NAGPUR TRUFORM TECHNO PRODUCTS, NAGPUR
27.	CS FORGED PIPE FITTINGS	PIPE FIT, BARODA TUBE PRODUCT, BARODA N L HAZRA, KOLKATA SIDDHARTH & GAUTAM, FARIDABAD GUJARAT INFRAPIPES, VADODRA
28.	AIR BLOWERS (LOBE TYPE)	SWAM PNEUMATIC, NOIDA EVEREST BLOWERSBAHADURGARH KAY INTERNATIONAL, NEW DELHI KULKARNI POWER TOOLS, SHIROL
29.	AIR BLOWERS (CENTRIFUGAL)	PATEL AIR FLOWS, AHMEDABAD AIR CONDITIONING CPORPORATION, KOLKATA C B DOCTOR, AHMEDABAD DATTA AIR SYSTEMS, MUMBAI UNIVERSAL, MUMBAI
30.	ELECTRIC HOIST UPTO 5T	REVA INDUSTRIES, FARIDABAD HERCULES HOIST (INDEF BRAND), MUMBAI EDDY CRANES, PUNE LIFTING EQUIPMENT, DELHI CONSOLIDATED HOIST, PUNE TRACTEL TRIFOR, PALVAL ARMSSELL, BANGALORE GRIP ENGINEERS, PARIDABAD
31.	EOT CRANCE UPTO 5T	REVA, FARIDABAD CONSOLIDATED, SATARA ALPHA SERVICES, PALWAL CENTURY CRANES, BHIWADI GRIP ENGINEERS, FARIDABAD
32.	AGITATOR/MIXERS	REMI, MUMBAI CEECONS, CHENNAI FIBRE AND FIBRE PRODUTS,



	NTPC SAIL POWER COMPANY (P) LIMITED ROURKELA POWER PROJECT (PP – III : 1X250 MW) TECHNICAL SPECIFICATION FOR EPC PACKAGE	
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		SILVASA
		RATHI LIGHTININ, PUNE
33.	CHOR NATION SYSTEM DETAILS OF ITEMS (SELF MANUFACTURED AND BOUGHT OUT ITEMS) TO BE SUBMITTED AFTER ORDER FINALISATION	CAPITAL CONTROL, USA/MUMBAI
		JEC FABCHEM, CHENNAI
		PERFECT CHLORO, CHENNAI
		W&T, GERMANY
		FISHER & PORTER, USA
34.	CHORINE TONNER	ISGEC, YAMUNANAGAR
		MEENKSHI, GR. NOIDA
35.	VENTILATION FANS	ALSTOM, KOLKATA
		DUVENT, BANGALORE
		S K SYSTEM, DELHI
		KHAITAN ELECTRICALS, KOLKATA
		C B TOCTOR, AHMEDABAD
36.	EXHAUST FAN	ALSTOM, KOLKATA
		KHAITAN ELECTRICALS, KOLKATA
37.	PRE & FINE FILTERS	PUROMATIC, DELHI
		PARKER HANNIFIN, BANGALORE
		SPECTRUM FILTER, KOLKATA
38.	SAFETY SHOWER	UNICARE, MUMBAI
39.	OIL SKIMMER	POTENTIAL ENGG. MUMBAI
		JIT ENGG., MUMBAI
40.	RO PRESSURE TUBES (FRP)	PENTAIR WATER, GOA
41.	RD MEMBRANE	DOW CHEMICALS- FILMTEC, USA
		HYDRANAUTICS, USA
		KOCH MEMBRANES- FLUID SYSTEM, USA
		TORAY, JAPAN
42.	M CRON CARTRIDGE FILTER	GEOFLUID SYSTEMS, MUMBAI
43.	ION EXCHANGE RESIN FOR DM PLANT & CONDENSATE POLISHING PLANT	ROHM & HASS, FRANCE
		LANXESS, GERMANY
		ION EXCHANGE, ANKLESHWAR
		THERMAX, PAUDH
44.	MS PLATES FOR SITE FABRICATED TANKS	SAIL/TISCO/ISPAT/JINDAL/ESSAR/LL OYDS (MAIN STEEL PRODUCER)
45.	FRP TANKS	COROSEAL CHEMICAL EQUIPMENTS TALOJA
		SHRIRAM SEPL COMPOSITES,

	NTPC SAIL POWER COMPANY (P) LIMITED ROURKELA POWER PROJECT (PP - III : 1X250 MW) TECHNICAL SPECIFICATION FOR EPC PACKAGE	
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		CHENNAI
46.	COOLING TOWER – FRP	PAHARPUR COOLING TOWER, KOLKATA
		MIHIR COOLING TOWER, AHMEDABAD
		FLOWTECH, DELHI
		PALTECH, GURGAON
47.	PRESSURE FILTER	METCON, KOLKATA
48.	GEAR BOX	FLENDER (MFG), KHARAGPUR
		PETL, FALTA/PUNE
		SHANTI GEARS, COIMBATORE
		ELECON, V V NAGAR
		NEW ALLENBURY, KOLKATA
49.	LAMELLA CLARIFIER	K-PACK, BANGALORE
		ION EXCHANGE, MUMBAI
50.	SERVICE VESSEL FOR CONDENSATE PO-ISHING PLANT	ANUP ENGINEERING, AHMEDABAD
		RAJ ENGINEERING, NAVI MUMBAI
		DRIPLEX UNIT-I, HARIDWAR
		BELCO POLLUTION CONTROL, GREATER NOIDA
51.	HIGH PRESSURE BALL VALVE	BRAY, USA
		VELLAN, CANADA
		BRAY, CHINA
52.	HIGH PRESSURE BUTTERFLY VALVE	BRAY, USA
		BRAY, CHINA
53.	ACTIVATED CARBON	INDUSTRIAL CARBON, ANKLESHWAR
		GLOBAL ABSORBENT, KOLKATA
		ACTIVE CARBON, HYDERABAD
54.	UNDERBED NOZZLES/RESIN TRAP ELEMENTS FOR SERVICE VESSELS	JOHNSON SCREEN, AUSTRALIA/FRANCE

Cooling Tower

Sl. No.	Item	SUB-SUPPLIERS PROPOSED
1.	CI BUTTERFLY VALVES	WEIR BDK, HUBLI
		FOURESS, BANGALORE
		TYCO, HALOL
		INTER VALVE, PUNE



	NTPC SAIL POWER COMPANY (P) LIMITED ROURKELA POWER PROJECT (PP – III : 1X250 MW) TECHNICAL SPECIFICATION FOR EPC PACKAGE	
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		CRANE PROCESS FLOW, SATARA
		DEMBLA VALVE, THANE
		R&D MULTIPLE, VALSAD
		KBL, KONDHAPURI
		IL, PALAKKAD
2.	MS PIPES TO IS 3589	MUKAT TANKS & VESSELS, TARAPUR
		MUKAT PIPES, RAJPURA
		JCO GAS PIPES, CHINDWARA
		PRITIBHA PIPES & STRUCTURAL, THANE
		PSL, CHENNAI
		PSL, DAMAN
		SAIL, ROURKELA
		PSL, CHENNAI, VIZAG
		PSL, ANJAR
		SAMSHI PIPES INDUSTRIES, VADODARA
		MANN IND, INDORE
		WELSPUN, BHARUCH
		WELSPUN, ANJAR
		RATNAMANI, CHHATRAL
		RATNAMANI, ANJAR
		LALIT PROFILE, KHARDI, MUMBAI
3.	FAN ASSEMBLY	PCTL, KOLKATA
		COFIMCO, MUMBAI
		SPANCRETE, MUMBAI
4.	CARBON FIBRE DRIVE SHAFT	REXNORD, PCTDL, GHAZIABAD
5.	REDUCTION GEAR BOX	PCTL, SAHIBABAD/KOLKATA
		NEW ALLENBERRY WORKS, KOLKATA
		ELECON, V V NAGAR
		PREMIUM TRANSMISSION, FALTA
6.	SS PIPES 250 NB (FOR DRIVE SHAFT)	REMI, TARAPUR
		RATNAMANI, KUTCH/AHMEDABAD
		APEX TUBE, BEHRORE
		OTTOKUMPU, SWEDEN
		AST, JAPAN
		SUMITOMO METAL, JAPAN
		NASTOA, JAPAN





NTPC SAIL POWER COMPANY (P) LIMITED
ROURKELA POWER PROJECT
(PP - III : 1X250 MW)



TECHNICAL SPECIFICATION FOR
EPC PACKAGE

		NKK, JAPAN
7.	PP FILLS (SPLASH TYPE)- GRID TYPE	NEEL KAMAL, JAMMU/SILVASA
8.	PVC FILLS (SPALSH TYPE)	SYNTEX, AHMEDABAD
		COOLDECK, DAMAN
		MM AQUA, GURGAON
9.	DRIFT ELIMINATOR-PVC	PCTL, SAHIBABAD
		COOLDECK, DAMAN
		MM AQUA, GURGAON
10.	CI GATA & GLOBE & CHECK VALVE	H SARKER, KOLKATA
		BANKING & COMPANY, KOLKATA
		WEIR BDK, HUBLI
		KBL, KONDHAPURI
		A V VLAVE, AGRA
		LEADER JALANDHAR
11.	VENTILATION FANS	KHAITAN, KOLKATA
		MARATHON ELECTRIC, KOLKATA
		CB- DOCTOR, AHMEDABAD
		SOLYVENT FLAKT, KOLKATA
		KRUGER, SINGAPORE
		TCF NADI, CHENNAI
		ALMONARD, CHENNAI
12.	SLUDGE PUMP (SUBMERSIBLE PUMP)	KISHORE PUMP, PUNE
		FLOW MORE, GHAZIABAD
		AQUA MACHINERIES, AHMEDABAD
		KIRLOSKER BROTHERS,
		KIRLOSKARWADI
		KSB, PUNE
		WPIL LTD, GHAZIABAD
		S U MOTORS, MUMBAI
		DARLING PUMPS, INDORE
		MBH PUMP, AHMEDABAD
13.	CHAIN PULLEY BLOCK WITH TRAVELLING TROLLEY (2 TON)	MORRIS, MUMBAI
		ARMSELL, BANGALORE
		HERCULES (INDEF) RAIGARH
		TRACTEL TRIFER, PALWAL
		LEAP, DELHI
14.	ELECTRIC HOIST	ARMSELL, BANGALORE
		EDDY CRANES, PUNE
		TRACTOR TRIFEL, PALWAL
		CONSOLIDATED HOIST PVT. LTD.,



	NTPC SAIL POWER COMPANY (P) LIMITED ROURKELA POWER PROJECT (PP - III : 1X250 MW) TECHNICAL SPECIFICATION FOR EPC PACKAGE	
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	SATARA/PUNE
	GRIP, FARIDABAD/HYDERABAD
	HERCULES HOIST, RAIGAD
	REVA INDUSTRIES, FARIDABAD
	ALPHA SERVICES, BHIWADI
	CENTURY CRANE, PALWAL

Elect. Aux.

Sl. No.	Item	SUB-SUPPLIERS PROPOSED
1.	HT MOTORS FOR ID FAN & BFP (SUB QR ITEM)	TECO, TAIWAN
		ASIR ROBICON, ITALY
		HYUDAI, KOREA
		BHEL, BHOPAL
		HYUDAI, KOREA
		WEG, BRAZIL
		WEG, HOSUR
		TMEIC, JAPAN
		SHANGHAI ELECTRIC, SHANGHAI
		CONVERTEAM, FRANCE
2.	OTHER HT MOTORS	VENDORS AT SR. NO 1 ARE ALSO ACCEPTABLE
		ABB, VADODARA
		CGL (D5 INDUSTRIAL AREA), MANDIDEEP
		MARATHON, KOLKATA
		IJLIN, KOREA
		LEZ, RUSSIA
		JYOTI, VADODARA
3.	LT MOTOR	ABB, FARIDABAD*/BANGALORE
		HYUDAI, KOREA
		WEG, BRAZIL
		JYOTI, VADODARA
		NGEF, BANGALORE
		HYOSUNG, KOREA
		SIEMENS, MUMBAI
		MARATHON, KOLKATA
		KEC, BANGALORE/HUBLI
		BHARAT BIJLEE, MUMBAI
		CGL, AHMEDNAGAR

	NTPC SAIL POWER COMPANY (P) LIMITED ROURKELA POWER PROJECT (PP – III : 1X250 MW) TECHNICAL SPECIFICATION FOR EPC PACKAGE	
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		TIPM, JAPAN
		KAWAMATA, JAPAN
		ABB, SWEDEN
		TMEIC, JAPAN (NAGAS HAKI)
		ABB, SHANGHAI
4.	ELEVATOR	KONE, CHENNAI
		ECE, GHAZIABAD
		OTIS, MUMBAI
		OMEGA ELEVATORS, AHMEDABAD
		SAMIL ELECT. KOREA
		TECHNO INDUSTRIES, AHMEDABAD
5.	HVR TRANSFORMER	HIND RECTIFIER, MUMBAI
		ADOR POWERTRON, PUNE
6.	EC PANEL	HIND RECTIFIER, MUMBAI
		ADOR POWERTRON, PUNE
7.	INSULATOR (BUSHING, SUPPORT & SHAFT)	BHEL EPD, BANGALORE
		ZHANGJIAKOU XUANHUA XINDI, CHINA
8.	DISCONNECTING SWITCH	WINCRAFT, KOLKATA
		NATIONAL ENGINEERS, KOLKATA
9.	PANEL TYPE HOPPER HEATER	THERMON, USA
		HOTFOIL EHS, USA
		HTD, USA
		HTD HEAT TRAC E (I) PVT LTD., HYDERABAD
10.	TUBULAR HEATER	ESCORTS, FARIDABAD
11.	GEARED MOTOR	PBL, V V NAGAR
		PTL, AURANGABAD
		NAW, KOLKATA
		INTERNAL COMBUSTION, AURANGABAD



	NTPC SAIL POWER COMPANY (P) LIMITED ROURKELA POWER PROJECT (PP - III : 1X250 MW) TECHNICAL SPECIFICATION FOR EPC PACKAGE	
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Sl. No.	Item	SUB-SUPPLIERS PROPOSED
1.	ALTERNATOR (LT)	M/S KIRLOSKAR ELECTRIC, BANGALORE
		M/S CUMMINS GENERATOR TECHNOLOGY (STAMFORD), U.K/AHMEDNAGAR
		M/S LEROY SOMER, FRANCE
		M/S MARATHAN, USA
2.	DIESEL ENGINE	M/S CUMMINS, PUNE
		M/S CATER PILLAR, USA
		M/S PERKINS
		M/S MITSUBISHI, JAPAN
		M/S MTU, GERMANY
3.	DG SET (ASSEMBLY & TESTING) (LT)	M/S POWERICA, SILVASA
		M/S JAKSON, KATHUA
		M/S TIL, GHAZIABAD
		M/S KOHLER, SINGAPORE
		M/S STERLING GENERATORS PVT.LTD, SILVASA
		M/S CLLS, SINGAPORE
4.	DG SET ACOUSTIC ENCLOSURE	DG SET SUPPLIER APPROVED SOURCES. SUB VENDER NAME WILL BE INFORMED BY DG SET SUPPLIER DURING DETAIL ENGINEERING.
5.	BATTERY CHARGER (110V/220V)	M/S AMARARAJA, TIRUPATI
		M/S HBL- POWER SYSTEM, HYDERABAD
		M/S CHHABI ELECTRICAL, JALGAON
		M/S. CHLORIDE POWER, KOLKATA
		M/S STATCON, HAPUR
		M/S DUBAS, BANGALORE
6.	BATTERY (NI-CD) (110V/220V)	HBL- POWER SYSTEM, HYDERABAD
		AMCO SAFT, BANGALORE
		M/S EXIDE, KOLKATA
10.	FIRE SEALING SYSTEM (i) TYPE-A MATERIAL SUPPLIER	M/S 3M INDIA, BANGALORE
		M/S GE SILICON, USA
		M/S DOW CORNING, USA
	ii) TYPE-B MATERIAL SUPPLIER	M/S LLOYDS, DELHI
		M/S SIGNUM, NAGPUR
		M/S VIJAY SYSTEM ENGINEERS PVT. LTD., MUMBAI
	iii) EXECUTION AGENCY FOR ABOVE	SAME AS 10 (ii) & 3 M INDIA, SAME AS 10 (ii) & 3 M INDIA,
17.	GALVANIZED CABLE TRAYS, CABLE	M/S M J ENGG., OKHLA/BHIWADI





NTPC SAIL POWER COMPANY (P) LIMITED
ROURKELA POWER PROJECT
(PP – III : 1X250 MW)



TECHNICAL SPECIFICATION FOR
EPC PACKAGE

	TROUGH & ACCESSORIES	M/S JAMNA METAL, DELHI/KUNDLI
		M/S AMTECH, PUNE
		M/S INAR PROFILES, VISHAKAHPATANAM
		M/S INDIANA, MUMBAI/PUNE
		M/S TRG, MUMBAI/PUNE
		INDUSTRIAL PERFORATION, KOLKATA
		KANNADE ANAND UDG, MUMBAI
		M/S UNITECH FABRICATORS, HOWRAH/HOOGLY
		M/S VATCO, MUMBAI
		M/S RUKMANI, RAIPUR
		M/S STEELITE ENGG. MUMBAI
		M/S PREMIER POWER PRODUCTS, HOWRAH
		M/S RATAN ENGG. KOLKATA
		M/S PASSIVE INFRA, ROHTAK
		M/S PATNY SYSTEMES, HYDERABAD
18.	CABLE TRAY FLEXIBLE SUPPORT STRUCTURE (GI)	M/S STEELITE ENGG. MUMBAI
		M/S AMTECH ENGINEERING SERVICES, PUNE
		M/S INAR PROFILES, VISHAKAPATNAM
		M/S INDIANA GRATINGS, PUNE
		M/S INDUSTRIAL PERFORATION, KOLKATA
		M/S VATCO, MUMBAI
		M/S PREMIER POWER PRODUCTS, HOWRAH
21.	EARTHING AND, LIGHTNING PROTECTION MATERIAL LIKE GI STRIP, FLATS ETC./M.S SECTIONS	STEEL TO BE PROCURED FROM MAIN STEEL PRODUCERS (TISCO, SAIK, JINDAL STEEL & POWER LIMITED AND RINL)
		GALVANIZING FROM NTPC APPROVED SOURCES AS LISTED IN NOTE-5
22.	TREFOIL CLAMPS	MAIN CONTRACTOR APPROVED SOURCES SUBJECT TO TYPE TEST REPORTS CLEARANCE
23.	MAINTENANACE LADDER/ANCHOR/EXPANSION BOLTS & FASTENERS/EMERGENCY LIGHT/LIFTING JACK FOR CABLE DRUM/HDPE PIPE/FRP CABLE TRENCH COVER/BATTERY MAINTENANCE KIT	MAIN CONTRACTOR APPROVED SOURCES
24.	DIMMER UNITS & PASSIVE INFRA RED SENSORS	LIGHTING FIXTURE SUPPLIER APPROVD SOURCES



	NTPC SAIL POWER COMPANY (P) LIMITED ROURKELA POWER PROJECT (PP - III : 1X250 MW) TECHNICAL SPECIFICATION FOR EPC PACKAGE	
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25.	GI PIPE	BIS LICENSEE
26.	STEEL CONDUIT/EXPOXY COATED CONDUIT	BIS LICENSEE
27.	LEAD COATED FLEXIBLE CONDUITS	M/S PLICA, GHAZIABAD
28.	JUNCTION BOXES/LINK BOXES TEST LINK BOX /ADAPTOR BOX	M/S POSITRONICS, VADODRA
		M/S PYROTECH, UDAIPUR
		M/S CONQUERENT CONTROL SYSTEM LTD, MANESAR
		M/S JAKSON, NOIDA
		M/S SWITCHING CIRCUIT, KOLKATA
		M/S SARVANA SWITCHGEAR, BANGALORE
		M/S AJMERA, MUBAI
29.	JUNCTION BOXES-FRP/THERMOSETTING PLASTIC/THERMO PLASTIC	SUMIP COMPOSITES, AHMEDABAD
		KEMROCK, VADODARA
		AJMERA, MUMBAI
		TRINITY TOUCH, PALWAL
30.	LT CABLE STRAIGHT THROGH JOINTING KIT	M/S RAYCHEM, MUMBAI
		M/S 3M ELECTRO & COMMUNICATION., PUNE
31.	HT CABLE TERMINATION KITS & STRAIGHT THROUGH JOINTING KIT	M/S 3M ELECTRO & COMMUNICATION., PUNE
		RAYCHEM, MUMBAI
32.	CABLE GLAND	M/S SUNIL & CO. KOLKATA
		M/S ARUP ENGG. KOLKATA
		M/S COMET, MUMBAI
		M/S QUALITY PRECISION, KOLKATA
		M/S STANDARD METAL, MUMBAI
		M/S BRACO, MUMBAI
33.	CABLE LUGS/FERRULES	M/S DEWELL, MUMBAI
		3D, UMBERGAON
		CHETNA, NASIK
34.	TUBULAR POLE	BIS LICENSEE AS PER IS 2713 WITH VALID CML NO.
35.	LIGHTING FIXTURES WITH ACCESSORIES (FILAMENT TYPE)	M/S CGL, MUMBAI
		M/S BAJAJ ELECTRICALS, MUMBAI
		M/S PHILIPS, NOIDA
		M/S WIPRO, MUMBAI
38.	LAMPS (FILAMENT TYPE)	M/S CROMPTON, MUMBAI
		M/S BAJAJ ELECTRICALS, MUMBAI
		M/S PHILIPS, NOIDA





NTPC SAIL POWER COMPANY (P) LIMITED
ROURKELA POWER PROJECT
(PP – III : 1X250 MW)



TECHNICAL SPECIFICATION FOR
EPC PACKAGE

		M/S WIPRO, MUMBAI
39.	LIGHTING PANELS	M/S POSITRONICS, VADODARA
		M/S L&T, COIMBATORE/MUMBAI
		M/S HAVELLS, FARIDABAD
		M/S MAKTEL, VADODARA
		M/S JAKSON, NOIDA
		M/S SWITCHING CIRCUIT, KOLKATA
		M/S SARVANA SWITCHGEAR, BANGALORE
		M/S INDOASIAN ELECTRIC, SONEPAT
		M/S C&S, NOIDA/HARDWAR
		M/S GEII, BANGALORE
		M/S ICA, MUMBAI
		M/S CONQUERENT CONTROL SYSTEMS, MANESAR
		M/S ISC, MUMBAI
		M/S SIEMENS, MUMBAI
		M/S AVAIDS TECHNOVATORS, GURGAON
		M/S JASPER, GURGAON
		M/S VIDUT CONTROL, GHAZIABAD
		M/S ANAND, NOIDA
		M/S UNITLC, GURGAON
		M/S PYROTECH, UDAIPUR
8.		M/S CONTROL DEVICES, KOLKATA
40.	DG CONTROL/SYNCHRONIZING PANEL	C&S ELECTRIC, NOIDA/HARDWAR
		JAKSON, NOIDA
		L&T, COIMBATORE/MUMBAI/AHMEDNAGAR
		SCHNEIDER, NASIK
		M/S JASPER, GURGAON
		M/S UNILEC, GURGAON
		GE, BANGALORE
		TRICOLITE, GURGAON
		STERLING GENERATORS, SILVASA
41.	LIGHTING WIRE	I.S.I MARKED WIRES WITH VALID CML NUMBER
		M/S BCH, FARIDABAD
		M/S AJMERA, MUMBAI
		M/S SAKTHI & CROWN, CHENNAI
43.	LIGHTING MAST WITH RAISE & LOWER TYPE LANTERN CARRIAGE/POLGONAL POLES	M/S BAJAJ, PUNE
		M/S CGL, MUMBAI
		M/S PHILIPS, KOLKATA
44.	CEILING FANS WITH REGULATORS AND	M/S CROMPTON



	NTPC SAIL POWER COMPANY (P) LIMITED ROURKELA POWER PROJECT (PP – III : 1X250 MW) TECHNICAL SPECIFICATION FOR EPC PACKAGE	
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	EXHAUST FANS	
		M/S ORIENT
		M/S KHAITAN
		M/S POLAR
		M/S GEC
		M/S HAVELLS
		M/S BAJAJ
45.	BATTERY FOR DG SET	M/S EXIDE, KOLKATA
46.	HUME PIPE	BIS LICENSEE
47.	PVC CONDUIT	BIS LICENSEE/ISI MARKED WITH VALID CML NUMBER
51.	FQP OF DG SET	
52.	FQP OF CABLE & ACCESSORIES	
53.	FQP OF EARTHING	
54.	FQP OF STATION LIGHTING	
57.	ERECTION AGENCY FOR THE SCOPE OF ERECTION	MAIN CONTRACTOR/MAIN CONTRACTOR APPROVED SOURCES



	NTPC SAIL POWER COMPANY (P) LIMITED ROURKELA POWER PROJECT (PP – III : 1X250 MW) TECHNICAL SPECIFICATION FOR EPC PACKAGE	
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Sl. No.	Item	SUB-SUPPLIERS PROPOSED
1.	SF6 CIRCUIT BREAKER (ITEM SUBJECT TO SUB QR APPROVAL)	ALSTOM, HOSUR SIEMENS, AURANABAD CGL, NASIK ABB, VADODARA
2.	ISOLATOR (HCB)/PANTOGRAPH/TANDEM (ITEM SUBJECT TO SUB QR APPROVAL)	GR POWER, HYDERABAD HIVELM, CHENNAI ELPRO (SIEMENS), HYDERABAD SWITCHGEAR AND STRUCTURALS, HYDERABAD
3.	CURRENT TRANSFORMER (ITEM SUBJECT TO SUB QR APPROVAL)	ALSTOM, HOSUR ABB, VADODARA MEHRU ELECT & MECH LTD, BHIWADI CGL, NASIK
4.	CAPACITOR VOLTAGE TRANSFORMER (ITEM SUBJECT TO SUB QR APPROVAL)	ALSTOM, HOSUR ABB, VADODARA MEHRU ELECT & MECH LTD, BHIWADI CGL, NASIK BHEL, JHANSI
5.	SURGE ARRESTOR (ITEM SUBJECT TO SUB QR APPROVAL)	LAMCO, HYDERABAD OBLUM, HYDERABAD CGL, NASIK
6.	WAVE TRAP	ALSTOM, HOSUR BPL, PALGHAT
7.	BUS POST INSULATOR	MODERN INSULATOR, ABU ROAD

	NTPC SAIL POWER COMPANY (P) LIMITED ROURKELA POWER PROJECT (PP – III : 1X250 MW) TECHNICAL SPECIFICATION FOR EPC PACKAGE	
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		IEC, BHOPAL BIRLA NGK (INDIAN RAYON), HALOL WSI, CHENNAI SARAVANA GLOBAL ENERGY, CUDDALORE
8.	CLAMPS & CONNECTORS & WELDING SLEEVES	KLEMMEN ENGG, CHENNAI MILIND, MUMBAI EMTT, KOLKATA NOOTAN ENGG., MUMBAI ITPL, MUMBAI RASHTRIYA UDYOG, KOLKATA PEE VEE ENGG., BANGALORE MEGHA ENGG, CHENNAI
9.	ACDB/DCDB (Fixed Type)	
10.	INSULATOR HARDWARE, CONDUCTOR ACCESSORIES & EARTHWIRE ACCESSORIES	RASHTRA UDYOG, KOLKATA IAC, KOLKATA ITPL, MUMBAI EMTT, KOLKATA EMI, MUMBAI
11.	BMK'S/JB'S (ALL TYPES)/LIGHTING PANELS	
12.	DISC INSULATOR	IEC, BHOPAL BIRLA NGK (INDIAN RAYON), HALOL WSI, CHENNAI MODERN INSULATOR, ABU ROAD



	NTPC SAIL POWER COMPANY (P) LIMITED ROURKELA POWER PROJECT (PP – III : 1X250 MW) TECHNICAL SPECIFICATION FOR EPC PACKAGE	
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		BHEL, JHANSI
13.	GS FLAT/40MM DIA M.S. ROD/M.S EARTH RODS/U CLAMP/GI EARTH PIPE/GI PIPE /GI CONDUIT (INCLUDING BENDS)/PVC PIPES	MAIN CONTRACTOR APPROVED SOURCES
14.	ALUMINIUM TUBE	HINDALCO, RENUKUT INDALCO, ALUPURAM CENTURY EXTRUSIONS, KOLKATA JINDAL ALUMINUM TUBE, BANGALORE ALOM EXTRUSIONS, KOLKATA BALCO, KORBA
		SUDAL, NASIK
15.	CABLE TRAY, BENDS, COUPLER PLATES	
16.	ACSR CONDUCTOR	SMITHA, GHAZIABAD HINDUSTAN VIDYUT, FARIDABAD APAR INDUSTRIES, VADODARA/SILVASSA CABCON, HOWRAH HIRA CABLES, HIRAKUD SHARAVATHY CONDUCTORS, BANGALORE GALAXY TRANSMISSION, SANGLI
17.	GS EARTHWIRE/LIGHTING WIRE	MAIN CONTRACTOR APPROVED SOURCES
18.	CABLE GLANDS	
19.	1.1 KV GRADE POWER AND CONROL CABLES	
20.	CABLE LUGS	
21.	LIGHTING FIXTURES & LUMINARIES	
22.	LIGHTING POLE	BIS APPROVED VENDORS AS PER IS-2713*
23.	INDUSTRIAL RECEPTACLES	
24.	LEAKAGE CURRENT ANALYSER	ISA, ITALY

	NTPC SAIL POWER COMPANY (P) LIMITED ROURKELA POWER PROJECT (PP – III : 1X250 MW) TECHNICAL SPECIFICATION FOR EPC PACKAGE	
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		PGK ELECTRONINCS, CHENNAI
		TRANSINOR, NORWAY
		SCOPE T&M, PUNE
25.	PANELS FOR MOUNTING SAS COMPONENTS LIKE BCU/NUMERICAL RELAYS/DR/ENERGY METER/TSE ETC (ITEM SUBJECT TO SUB QR APPROVAL)	ALSTOM, CHENNAI SIEMENS, KALWA PYROTECH, UDAIPUR ABB, PEENYA
26.	SUB-STATION AUTOMATION SYSTEM (ITEM SUBJECT TO SUB QR APPROVAL)	ALSTOM, CHENNAI ABB, PEENYA SCHEIDER, NOIDA SIEMENS, KALWA
27.	COMPONENTS FOR SUBSTATION AUTOMATION SYSTEM (ITEM SUBJECT TO SUB QR APPROVAL)	
A	BAY CONTROL UNIT	ABB, FINLAND/PEENYA SCHNEIDER, FRANCE ALSTOM, UK/France SIEMENS, GERMANY
B	ENERGY METER	ELSTER, MUMBAI SEMS, UDAIPUR LANDIS & GYR, SWITZERLAND
C	TRANSDUCER	SITU, MUMBAI AUTOMATIC ELECTRIC, MUMBAI ELSTER (FORMERLY) ABB, MUMBAI
D	LAPTOP	DELL/IBM/COMPAQ/HP
E	VDU (TFT) NONITOR FOR WORK STATIONS	DELL/IBM/COMPAQ/HP

	NTPC SAIL POWER COMPANY (P) LIMITED ROURKELA POWER PROJECT (PP - III : 1X250 MW) TECHNICAL SPECIFICATION FOR EPC PACKAGE	
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F	STATION HMI COMPUTER/OWS/EWS	IBM/ADVANTECH
G	LASER PRINTER	HP/CANON
H	DOT MATRIX PRINTER	TBSF/WIPRO/LIPI
I	LAN SWITCHES	CISCO/D-LINK/3-COM
J	FIBRE OPTIC CABLE	BIRLA ERICSSON, REVA FINOLEX, PUNE AKSH OPTIC FIBRE, BHIWARI
K	UPS FOR PC	DB/HIREL/3EL/APC, INDIA
L	LARGE VIDEO SCREEN	BARCO, GERMANY DELTA, CHINA
M	FURNITURE FOR HMI & PRINTER	MAIN CONTRACTOR APPROVED SOURCES
N	GATEWAY	DELL/IBM, USA
O	MODEMS	ALSTOM/NOMUS/ABB/BPL, INDIA
P	RELAY TEST KIT	OMICRON, USA/AUSTRALIA SCOPE T&M, PUNE
Q	TIME SYNCHRONISING EQPT.	SERTEL, MUMBAI SIEMENS, GERMANY HATHWAY, UK/USA HOPF, GERMANY ARBITER, USA
R	DISTURBANCE RECORDER	ABB, FINLAND ALSTOM, USA SIEMENS, GERMANY HATHWAY, UK
S	ETHERNET SWITCH	HIRSCHMANN, GERMANY GARETTCOM, USA RUGGEDCOM, CANADA
T	NUMERICAL RELAYS	ABB, FINLAND



	NTPC SAIL POWER COMPANY (P) LIMITED ROURKELA POWER PROJECT (PP - III : 1X250 MW) TECHNICAL SPECIFICATION FOR EPC PACKAGE	
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		SCHNEIDER, FRANCE
		ALSTOM, UK/FRANCE/CHENNAI
		SIEMENS, GERMANY
U	RELAYS OTHER THAN NUMERICAL RELAYS	ALSTOM, CHENNAI
		ABB, BANGALORE
V	INDICATING INSTRUMENTS	RISHAB, NASIK/MUMBAI
		MECO, MUMBAI
		AUTOMATIC ELECTRIC, MUMBAI
		IMP, MUMBAI
28.	SF6 GAS FILLING AND EVACUATING PLANT, GAS RECYCLING & PURIFYING	ENERVAC, CANADA
		DILO, GERMANY
		VACCUUM PLANT INDUSTRIES, PUNE
	-PLANT, GAS LEAKAGE DETECTOR	AI QUALITEK, USA
29.	OPERATION ANALYSER WITH DCRM KIT	SCOPE T&M, PUNE
		GE, SWEDEN
		VIC, USA
30.	BAY IDENTIFICATION TAGS, PHASE MARKERS & DANGER PLATES	MAIN CONTRACTOR APPROVED SOURCES
31.	PIANO SWITCHES	BIS APPROVED SOURCES
32.	BATTERY (Ni-Cd/Lead acid)	
33.	BATTERY CHARGER	
34.	LT SWITCHGEAR	
35.	FQP SWITCHYARD EQUIPMENTS	SWITCHYARD CONTRACTOR
36.	GENERATOR TRANSFORMER	ALSTOM, ALLAHABAD
	(L1 Level Vendor (Refer Note-4))	ABB, VADODARA
		SIEMENS, NAVI MUMBAI
		CGL, KANJUR MARG



	NTPC SAIL POWER COMPANY (P) LIMITED ROURKELA POWER PROJECT (PP – III : 1X250 MW) TECHNICAL SPECIFICATION FOR EPC PACKAGE	
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37.	STATION TRANSFORMER/UNIT TRANSFORMER (L1 Level Vendor (Refer Note-4))	ALSTOM, ALLAHABAD ABB, VADODARA SIEMENS, NAVI MUMBAI CGL, KANJUR MARG EMCO, THANE
38.	AUX TRANSFORMER (L1 Level Vendor (Refer Note-4))	ALSTOM, ALLAHABAD ABB, VADODARA SIEMENS, NAVI MUMBAI CGL, KANJUR MARG EMCO, JALGAON
39.	IPBD (L1 Level Vendor (Refer Note-4))	C&S ELECTRIC, G. NOIDA C&S ELECTRIC, HARIDWAR POWER GEAR, BANGALORE
40.	SPBD (L1 Level Vendor (Refer Note-4))	C&S ELECTRIC, G. NOIDA C&S ELECTRIC, HARIDWAR POWER GEAR, BANGALORE



	NTPC SAIL POWER COMPANY (P) LIMITED ROURKELA POWER PROJECT (PP - III : 1X250 MW) TECHNICAL SPECIFICATION FOR EPC PACKAGE	
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Sl. No.	Item	SUB-SUPPLIERS PROPOSED
1.	VVFD PANEL (UP TO 690V)	ABB, BANGALORE
		SIEMENS, NASIK
		ROCKWELL/ALLEN BRADLEY, SAHIBABAD
		SCHNEIDER, NASIK
		POWERTECH SWITCHGEAR, NARELA
		DANFOSS, CHENNAI
		L&T, MUMBAI
2.	LT TRANSFORMER (DRY TYPE). UP TO 2 MVA	VIJAY ELECTRICALS, HYDERABAD
		KEC, PUNE
		VLTAMP, SAVLI
		BHEL, JHANSI
3.	HT/LT EPR TRAILING CABLE	NICCO, SHYAMNAGAR
		UNIVERSAL CABLES, SATNA
		KEI, BHIWADI
4.	IN-LINE MAGNETIC SEPARATOR/SUSPENDED MAGNET	ELECTROMAG, MUMBAI
		MAGNETIC CORPORATION, BANGALORE
		ELECON EPC, SAVLI
		ELECTRO ZAVOD, KOLKATA
5.	METAL DETECTOR	ELECON EPC, SAVLI
		SIVA SYSTEMS, GOA
		ELECTROMAG, MUMBAI
		THERMO RAMSEY, AUSTRALIA
6.	ELECTROMAGNETIC (EM) BRAKE	ELECTROMAG, MUMBAI
		WITTON CRAMMER BROOK CROMPTON, UK
		STORM-CRAFT, MUMBAI
		BCH, FARIDABAD
7.	ELECTROHYDRO THRUSTER (EHT) BRAKE/EHT RAIL CLAMPS	PINTCH BUBNEZER, GERMANY
		ELECTROMAG, MUMBAI
		SIBRE, GERMANY
		RIMA SRL, ITALY
		WMI, MUMBAI
8.	ACTUATORS (WITHOUT INTEGRAL STARTER)	MMH, KOLKATA
		ONTINENTAL, FARIDABAD
		PREPEC, KOLKATA
		UNITED TECHNOMECH, MUMBAI
		LIMITORQUE, FARIDABAD



NTPC SAIL POWER COMPANY (P) LIMITED
ROURKELA POWER PROJECT
(PP - III : 1X250 MW)



TECHNICAL SPECIFICATION FOR
EPC PACKAGE

9.	GEARED MOTOR	PBL, VV NAGAR
		SEW EURODRIVE, GERMANY
		SIEMENS, GERMANY
		NAW, KOLKATA
		PREMTUM TRANSMISSION, AURANGABAD
		INTERNAL COMBUSTION, AURANGABAD
10.	BELT WEIGHER	KISTLER MORSE, HYDERABAD
		THERMO RAMSEY, AUSTRALIA
		ELECON EPC, SAVALI
		AVERY INDIA, BALLABHGARH
11.	WEIGH BRIDGE	AVERY INDIA, BALLABHGARH
		RICE LAKE, SRIPEREMBUDDUR
12.	PULL CORD SWITCHES/BELT SWAY SWITCHESUNDER BELT SWITCHES	JAYASHREE, PUNE
		KAKKU, BHILAI
		PROTO CONTROL, PUNE
		AG SYSTEM, MUMBAI
13.	ELECTRONIC SPEED SWITCHES, ZERO SPEED SWITCHES, TILT SWITCHES, MAGNETIC SWITCHES, PROXIMITY SWITCHES	PG ELECTRONICS, MUMBAI
		PROTO CONTROL, PUNE
		JAYASHREE, PUNE
14.	HEAVY DUTY LIMIT SWITCHES, SCREW CAM LIMIT SWITCH.	JAI BALAJEE, CHENNAI
		KAKKU, BHILAI
		JAYASHREE, PUNE
		BCH, FARIDABAD
		AG SYSTEM, MUMBAI
		ELEKTROMAG, MUMBAI
15.	PULL CORD/BELT SWAY SWITCH POSITION INDICATION SYSTEM	PARAMETRIC, PUNE
		JAYASHREE, PUNE
		PROTO CONTROL, PUNE
16.	CABLE REELING DRUM	ELECON, V V NAGAR
		ELEKTROMAG, VAPI
		BENGAL TECHNOCRATS, KOLKATA
		ELECTROZAVOD, KOLKATA
17.	TRAVELLING TRIPPER POSITION INDICATING SYSTEM	JAYASHREE, PUNE
18.	AIR HEATER	ESCORT, FARIDABAD



	NTPC SAIL POWER COMPANY (P) LIMITED ROURKELA POWER PROJECT (PP – III : 1X250 MW) TECHNICAL SPECIFICATION FOR EPC PACKAGE	
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LT Switchgear & LT Busduct

Sl. No.	Item	SUB-SUPPLIERS PROPOSED
1.	LT SWITCHGEAR DRAW-OUT TYPE (L-2 LEVEL VENDOR-REFER NOTE-4)	C&S ELECTRIC, NOIDA
		GE, BANGALORE
		L&T, MUMBAI/COIMBATORE
		SIEMENS, MUMBAI
		UNILEC, GURGAON
		SCHNEIDER, NASIK
4.	IEC 61850 COMPLAINT NUMERICAL RELAYS	SCHNEIDER, UK
		ALSTOM, UK/CHENNAI
		SEL, USA
		ABB, FINLAND/VADODARA
		GE, MULTILIN, CANADA/SPAIN
5.	LT BUSDUCT	C&S ELECTRIC, G. NOIDA
		C&S ELECTRIC, HARDWAR
		KGS ENGG LTD, CHENNAI
		SPACEAGE SWGR LTD, BAWAL
		JASPER ENGG. LTD, NOIDA
		REEP, CHENNAI
6.	FQP FOR LT SWITCHGEAR	
7.	ERECTION AGENCY FOR THE SCOPE OF ERECTION	MAIN CONTRACTOR/MAIN CONTRACTOR APPROVED SOURCES



	NTPC SAIL POWER COMPANY (P) LIMITED ROURKELA POWER PROJECT (PP – III : 1X250 MW) TECHNICAL SPECIFICATION FOR EPC PACKAGE	
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HT POWER CABLES , LT POWER CABLES,

Sl. No.	Item	SUB-SUPPLIERS PROPOSED
1.	HT CABLE UPTO 33KV (L-2 LEVEL VENDOR- REFER NOTE-4)	UNIVERSAL CABLE, LTD, SATNA
		TORRENT CABLE LTD, NADIAD
		POLYCAB WIRES PVT. LTD, DAMAN
		KEI INDUSTRIES, BHIWADI
		HAVELLS INDIA LTD, ALWAR
		FINOLEX, PUNE
		UNIFLEX, VALSAD
		NICCO, SHAMNAGAR KOLKATA
		INCAB, PUNE
		SRI RAM CABLES, BHIWADI
2.	1.1 KV POWER CABLE (PVC & EXPE) (L-2 LEVEL VENDOR- REFER NOTE-4)	UNIVERSAL CABLE, LTD, SATNA
		NICCO, SHAMNAGAR KOLKATA
		TORRENT CABLE LTD, NADIAD
		INCAB, PUNE
		HINDUSTAN VIDYUT PRODUCTS LTD, FARIDABAD
		KEI INDUSTRIES, BHIWADI
		DELTON CABLE LTD., FARIDABAD
		PARAMOUNT CABLE, KHUSHKHERA
		POLYCAB WIRES PVT. LTD, DAMAN
		GEMSCABLES, BHIWADI
		HAVELLS INDIA LTD, ALWAR
		SHRI RAM CABLES, BHIWADI
		RAVIN CABLES, PUNE
		THERMOCABLES, HYDERABAD
		SBEE CABLES, BANGALORE
		SUYOG CABLES, VADODARA
		GUPTA POWER CABLES, BHUBANESWAR
		FINOLEX, PUNE
3.	1.1 KV CONTROL CABLE (L-2 LEVEL VENDOR- REFER NOTE-4)	NICCO, SHAMNAGAR KOLKATA
		TORRENT CABLE LTD, NADIAD
		INCAB, PUNE
		POLYCAB WIRES PVT. LTD, DAMAN
		HINDUSTAN VIDYUT PRODUCTS LTD, FARIDABAD
		KEI INDUSTRIES, BHIWADI
		DELTON CABLE LTD., FARIDABAD



	NTPC SAIL POWER COMPANY (P) LIMITED ROURKELA POWER PROJECT (PP - III : 1X250 MW) TECHNICAL SPECIFICATION FOR EPC PACKAGE	
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		PARAMOUNT CABLE, KHUSHKHERA
		GEMSCABS INDUSTRIES, BHIWADI
		CORDS CABLES, BHIWADI
		SPM CABLES, BHIWADI
		ELKAY TELELINK, FARIDABAD
		HAVELLS INDIA LTD, ALWAR
		R.R.CABLE, SILVASA
		RAVIN CABLES, PUNE
		GUPTA POWER CABLES, BHUBANESWAR
		THERMOCABLES, HYDERABAD
		FINOLEX, PUNE
		SBEE CABLES, BANGALORE
		SUYOG CABLES, VADODARA
		SUYOG CABLES, VADODARA
		UNIVERSAL CABLES, SATNA
4.	FQP OF CABLE & ACCESSORIES	
5.	ERECTION AGENCY FOR THE SCOPE OF ERECTION	MAIN CONTRACTOR/MAIN CONTRACTOR APPROVED SOURCES



	NTPC SAIL POWER COMPANY (P) LIMITED ROURKELA POWER PROJECT (PP – III : 1X250 MW) TECHNICAL SPECIFICATION FOR EPC PACKAGE	
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Sl. No.	Item	SUB-SUPPLIERS PROPOSED
1.	HT Switchgear (3.3KV, 11 KV, 33KV)(L-2 level Vender- Refer Note-4)	Siemens, Mumbai
		Megawing, Salem
		BHEL Bhopal
		L&T, Ahmednagar
2.	Numerical Relay Network system Integration	SEL, USA/Bangalore, India
		Honeywell, Pune
		ABB, Bangalore/Baroda
		Schneider, Noida
3.	IEC 61850 Complain Numerical Relays	Schneider, UK
		Alstom, UK/Chennai
		SEL, USA
		ABB, Finland/Vadodara
4.	FQP for HT switchgear	GE Multilin, Canada/Spain
5.	Erection Agency for the scope of erection	MAIN CONTRACTOR/Main Contractor approved sources





NTPC SAIL POWER COMPANY (P) LIMITED
ROURKELA POWER PROJECT
(PP - III : 1X250 MW)



TECHNICAL SPECIFICATION FOR
EPC PACKAGE

Sl. No.	Item	SUB-SUPPLIERS PROPOSED
1.	FQP FOR CIVIL WORKS	MAIN CONTRACTOR/SUB- CONTRACTOR
2.	FQP FOR STRUCTURAL STEEL WORKS	MAIN CONTRACTOR/SUB- CONTRACTOR
3.	FQP FOR PORTA CABIN	MAIN CONTRACTOR/SUB- CONTRACTOR
4.	MQP FOR SHOP FABRICATED STRUCTURAL STEEL ITEMS	MAIN CONTRACTOR/SUB- CONTRACTOR
5.	CEMENT	CCI
		GUJARAT AMBUJA
		JK LAXMI
		JAYPEE
		GRASIM
		BIRLA
		LAFARGE
		ACC
		SHREE
		INDIA CEMENT
		PENNA CEMENT
		MADRAS CEMENT
		PRISM
		ULTRATECH
		ORIENT
		MANCHERIAL
		JSW
		ANDHRA CEMENT
		PARASHAKTI
		SAGAR
		MAIHAR
		MANIKGARH
6.	REINFORCEMENT AND STRUCTURAL STEEL	STEEL AUTHORITY OF INDIA LTD
		TATA IRON & STEEL CO LTD
		INDIAN IRON & STEEL CO LTD
		RASHITRYA ISPAT NIGAM LTD
		ESSAR STEEL LTD
		ISPAT INDUSTRIES LTD
		JSW STEEL LTD
		LLOYDS STEEL LTD
		JAI BALAJI INDUSTRIES
		SUNFLAG STEEL & IRON CO





NTPC SAIL POWER COMPANY (P) LIMITED
ROURKELA POWER PROJECT
(PP – III : 1X250 MW)



TECHNICAL SPECIFICATION FOR
EPC PACKAGE

7.	CONSTRUCTION CHEMICALS-ADMIXTURES, PLASTISIZERS, RETARDERS WATER PROOFING COMPOUNDS GROUTS	SIKA INDIA LTD
		CICO TECHNOLOGIES LTS
		FORSOC CHEMICALS (I) PVT LTD
		BASF
8.	FALSE CEILING – GLASS REINFORCED GYPSUM SYSTEM, MINERAL FIBRE BOARD SYSTEM, PREPAINTED COIL COATED STEEL SYSTEM	SAINT GIBIN, NEW DELHI
		HUNNER DOUGLOUS, MUMBAI
		TIGER STEEL, PUNE/MUMBAI
		INTERARCH, NOIDA
		LLOYD INSULATION
		MG INDUSTRIES, FARIDABAD
		ARM STRONG, NEW DELHI
9.	PAINT AND PAINTING SYSTEM	BERGER
		SHALIMAR PAINTS
		JENSON AND NICHOLSON
		KANSAI NERLAC
		AKZO NOBEL
		ASIAN PAINTS
10.	COLOUR COATED SHEET (FOR COIL)	UNION STEEL, KOREA
		DONGBU STEEL, KOREA
		BHUSHAN STEEL AND STRIPS LTD, RAIGAD
		ESSAR STEEL LTD, PUNE
		NATIONAL STEEL AND AGRO, DHAR
		JSW STEEL COATED PRODUCTS LTD, KAMLESHWAR
		BHUSHAN STEEL LTD, SAHIBABAD
		JSW LTD, THANE
		TATA BUESCOPE STEEL LTD, JAMSHEDPUR
		UNIMET PROFILES STEEL LTD, DHARUHERA
11.	PROFILERS FOR DECKING SHEETS	MULTICOLOUR STEEL INDIA LIMITED, GURGAON
		ISOLLOYD, SOLAN
		NATIONAL STEEL AND AGRO, DHAR
		ERA BUILD SYS, RUDRAPUR
		TATA BLUE SCOPE, PUNE
		TATA BLUE SCOPE, BHIWADI
		PENNNAR INDUSTRIES, HYDERABAD
		ALFA STEEL BUILDING SOLUTIONS, HOSUR

	NTPC SAIL POWER COMPANY (P) LIMITED ROURKELA POWER PROJECT (PP – III : 1X250 MW) TECHNICAL SPECIFICATION FOR EPC PACKAGE	
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12.	PROFILERS FOR CLADDING SHEETS	MULTICOLOUR STEEL INDIA LIMITED, GURGAON
		UNIMET PROFILES LIMITED, DHARUHERA-HARYANA
		ERA BUILD SYS, RUDHRAPUR
		TATA BLUE SCOPE, PUNE
		TATA BLUE SCOPE, BHIWADI
		PENNAR INDUSTRIES, HYDERABAD
		ALFA STEEL BUILDING SOLUTIONS, HOSUR
		ISOLLOYD, SOLAN
		NATIONAL STEEL AND AGRO, DHAR
13.	ELECTROFRGED GRATING	INDIANA GRATING, PUNE
		PREMIER POWER PRODUCTS (CALCUTTA) PVT LTD, HOWRAH
		GREATWELD, PUNE
		BHOLA RAM STEELS, PATNA
		KANADE ANAND UDOYOG, THANE
		PINAX STEEL INDUSTRIES
14.	GI PIPES	BIS APPROVED SOURCES HAVING VALID BIS LICENCE
15.	PVC WATER STOP	DURON POLYVINYLS PTD LTD, GURGAON
		KANTA RUBBER, HYDERABAD
		MARUTI RUBBER, NOIDA
		JYOTI POLYVINYL, VADODARA
		DEEP JYOTI RUBBER PVT LTD, NOIDA
16.	BITUMEN ASPHALT	ALL GOVERNMENT REFINERIES
17.	PLASTIC/PVC PIPES	BIS APPROVED SOURCES HAVING VALID BIS LICENCE
18.	BITUMEN IMPREGNATED FIBER BARD JOINT FILLER BITUMEN SEALING COMPOUND	BIS APPROVED SOURCES HAVING VALID BIS LICENCE
19.	ALUMINUM COMPOSITE CLADDING	INDOMAX, ROORKEE
		ALSTONE, DEHRADUN
20.	CERAMIC/VITRIFIED TILES	KAJARIA
		SOMANY
		SPARTEK INDIA
		NITCO
		ORIENT BELL
		MARBITO
		RESTILE
		JOHNSON
21.	ACID/ALKALI RESISTANE TILES, AR BRICKS, AR CEMENT (POTASSIUM SILICATE BASED CEMENT MORTAR, PHENOLIC BASED RESIN CEMENT	CARBORANDUM UNIVERSAL, CHENNAI



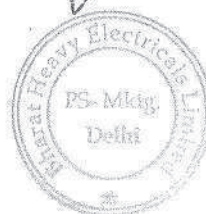


NTPC SAIL POWER COMPANY (P) LIMITED
ROURKELA POWER PROJECT
(PP - III : 1X250 MW)



TECHNICAL SPECIFICATION FOR
EPC PACKAGE

		PELICAN, BHIWADI
		CAMBRIAN, ALWAR
		KERATECH, VADODARA
		CHAMPTION CERAMICS, CHAMPA
		SUNSHINE CERAMICS, CHAMPA
		MAHAKOSHAL POTTRIES, KATNI
		PERFECT ACIAD WARE, JABALPUR
		BABA BAIDNATH REFRACTORIES, PURULIA
22.	FIRE PROOF DOORS	NAVAIR INTERNATIONAL LTD. , NEW DELHI
		SHAKTI MET DOOR, HYDERABAD
		SUPER STEEL, DELHI
		SIGNUM FIRE PROTECTION, NAGPUR
		RADIANT SAFE DOORS, AHMEDABAD
23.	PARTICLE BOARDS, PLYWOOD, MDF	NOVAPAN
		ECOBORD
		BHUTAN BOARD
		KITPLY
		CENTURY
		GREEN PLY
		DUROPLY
		MERINO
24.	ALUMINUM SECTIONS	HINDLCO
		INDALCO
		BALCO (VENDANTA)
		NALCO
		JINAL
25.	HIGH SOLID CONTENT LIQUID APPLIED URETHANE BASED ELASTOMERIC MEMEBRANE FOR WATER PROOFING	STP
		IWL INDIA LTD
		LLOYDS
		CICO TECHNOLOGIES LTD
		MK PETRO
26.	SANITARY ITEMS	PARRYWARE
		HINDWARE
		SEABIRD
		ORIENT
		HINDUSTAN
		CERA
27.	CP BRASS TAP AND OTHER SANITARY FITTINGS	GEM





NTPC SAIL POWER COMPANY (P) LIMITED
ROURKELA POWER PROJECT
(PP - III : 1X250 MW)



TECHNICAL SPECIFICATION FOR
EPC PACKAGE

		PARKO
		JAQUAR
		MARC
28.	POLYTHENE WATER STORAGE TANKS	BIS APPROVED SOURCES HAVING VALID BIS LICENCE
29.	NEOPRENE BELLOW STRAPS	CORI, CHENNAI
		RESISTOFLEX, NOIDA
		DWREN, KOLKATA
30.	RCC PIPES	BIS APPROVED SOURCES HAVING VALID BIS LICENCE
31.	POLYCARBONATE SHEETS	GE PLASTIC (SABIC)
		BAYER (MAKROLON)
32.	ELECTRICALLY OPERATED HOIST (5T/2T)	CONSOLIDATED HOIST, SATARA
		HERCULES HOIST, RAIGARH
		GRIP ENGG., FARIDABAD
		EDDY CRANE, PUNE
		ARMSHEL, BANGLORE
		CENTURY CRANE, PALWAL
		ELECTROTHERAPY, HOWRAH
		TRACTEL TRIFFER, PALWAL
		ALFA CRANES, ALWAR
		REVA HOIST, FARIDABAD
33.	Stop log gates, trash rack and lifting beam	GENERAL MECHANICAL WORKS, BARODA
		TRIVENI, NOIDA
		MACMET, KOLKATA
		PRADEEP STRUCTURES, HOWRAH
		READ FAB, HYDERABAD
		BSBK ENGG, NOIDA
34.	PTFE BEARING/ELASTOMERIC BEARING	ALL CURRENT MORTH/RDSO APPROVED VENDORS
35.	FABRIC EXPANSION COMPENSATOR	KELD ELENTOFT INDIA LTD, CHENNAI
		EAGLE BURGMANN KE PRIVATE LTD, CHENNAI
36.	MINERAL WOOL FOR THERMAL INSULATION	ROCKWOOL INDIA LTD, HYDERABAD
		ROCKWOOL INDUSTRIES, BHILAI
		LAPINUS, MALANPUR (MP)
		MINWOOL, RAJANANDGAON
		LLOYD INSULATION, BHILAI
		U.P. TWIGA, BULENDSHAHAR
37.	CHIMNEY ELEVATOR *	MAKASTER ENGG. & OQPT (P) LTD., HALOL, GUJART
		ALIMAK, AB, SWEDEN
		UNIVERSAL CONSTRUCTION MACHINERY & EQUIPMENTS, PUNE
38.	GEOTEXTILE	GARWARE WALL ROPES LTD, PUNE





NTPC SAIL POWER COMPANY (P) LIMITED
ROURKELA POWER PROJECT
(PP - III : 1X250 MW)



TECHNICAL SPECIFICATION FOR
EPC PACKAGE

		TENCATE GEOSYNTHETICS ASIA, MALAYSIA
39.	GEOMEMBRANE (HDPE LINER)	D P WIRES PVT. LTD, RATLAM
		MARUTI TECNO RUBBER PVT. LTD, NOIDA
		CLIMAX SYNTHETICS PVT. LTD, VADODARA
40.	CI PIPES	BIS APPROVED SOURCES HAVING VALID BIS LICENCE
41.	GALVANISED STEEL STRUCTURES FOR TRANSMISSION LINE	JIJAY TRANSMISSION LTD, RAIPUR
		UNITECH POWER TRANSMISSION LTD, NAGPUR
		ASSOCIATED POWER, VADODARA
		STRUCTURES
		R.S. INFRAPROJECTS PVT. LTD, SURAJPUR
		NEW MODERN TECHNOMECH, MAYURBHANJ (ORRISA)
		RICHARDSON & CRUDDAS (1972) LTD, NAGPUR
42.	GALVANISED STEEL STRUCTURE (LATTICE & PIPE)	GOOD LUCK STEEL TUBES, SIKANDRABAD
		RICHARDSON & CRUDDAS (1972) LTD, NAGPUR
		NEW MODERN TECHNOMECH, MAYURBHANJ (ORRISA)
		NAMPA STEEL, HOWRAH
		R.S. INFRAPROJECTS PVT. LTD, SURAJPUR
		PIONEER FABRICATOR, MEERUT
		VIJAY TRANSMISSION LTD, RAIPUR
		UNIQUE STRUCTURES & TOWERS LTD, RAIPUR
		VATCO ELEC-POWER PVT. LTD, NAVIMUBAI
		R.S. INFRAPROJECTS PVT. LTD, GHAZIABAD
		ADVANCE STEEL TUBE, SAHIBABAD
		SANGAM STRUCTURES LTD, ALLAHABAD
		ASSOCIATED POWER, VADODARA
		STRUCTURES
43.	COAL TAR ANTICORROSIVE COATING	RUSTECH, KOLKATA
		PORWAL INDUSTRIES, RAIPUR
		MP TAR, BHILAI
		STP LIMITED, JAMSHEDPUR
44.	PORTA CABIN	ENGINEERS COMBINED, NEW DELHI
		PRESSMACH, CHENNAI
		TINNY CRAFT, NEW DELHI
45.	ELASTOMERIC POLYURETHANE COATING	CIPY, PUNE
		AMCHEM, NOIDA
		E. WOOD, (APPLICATOR: PSL HOLDING, INDIA), UK



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	NTPC SAIL POWER COMPANY (P) LIMITED ROURKELA POWER PROJECT (PP - III : 1X250 MW) TECHNICAL SPECIFICATION FOR EPC PACKAGE	
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		CICO TECHONOLOGIES LIMITED, GURGAON
46.	HIGH PERFORMANCE MOISTURE COMPATIBLE CORROSION RESISTANT COATING SYSTEM	CECRI LICENSED SOURCES
47.	MS PIPES (IS:3589, WELDED PIPES)	BIS APPROVED SOURCES HAVING VALID BIS LICENCE
48.	PVC COATED CHAIN LINK FENCING & REINFORCED BARBED TAPE	SAUDAGAR MAL MAMMANLAL PVT. LTD
		MECAFERRI
		A-1 FENCE PRODUCTS, MUMBAI
		INTERARCH, PANT NAGAR
		ZAMIL STEEL, PUNE
		Everest steel, roorkee

