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1	HP/IP Outer Casing Casting (1.25Cr & 2.25Cr)	I				Voestalpine	Austria	A					
						JCFC	Japan	A					
						JSW	Japan	A					
						GE	Poland	A					
						Kobe Steel	Japan	A					
						Starwire	Faridabad	A					
						Sande Stahlguss GmBH	Germany	A					
						ISGEC	Muzaffarnagar	A			Weight upto 38 T, 1.25 Cr Grade		
						LMB Heavy Casting Unit	Hazira	A					
						BHEL-CFFP	Haridwar	A					
						Acciaiera Fonderia Cividale S.p.A.	Italy	A			Weight Upto 42 T approx. (9Cr)		
2	HP/IP Inner Casing Casting including Turbine admission valves (9 Cr)	I				Voestalpine	Austria	A					
						JCFC	Japan	A					
						JSW	Japan	A					
						GE	Poland	A					
						Kobe Steel	Japan	A					
						Starwire	Ballabhgarh	A			Weight Upto 38T		
						Sande Stahlguss GmBH	Germany	A					
						Gruppo Cividale	Italy	A			Weight Upto 20T		
						LMB Heavy Casting Unit	Hazira	A					
						BHEL-CFFP	Haridwar	A					
						Sande Groditz	Germany	A			Weight Upto 20T		
						Acciaiera Fonderia Cividale S.p.A.	Italy	A			Weight Upto 38 T approx.		
3	HP/IP Inner & Outer Casing including Turbine admission valves Machining	I				LMTG	Hazira	A					
						MHPS	Japan	A					
						FUZI ELECTRIC	Japan	A					
						ROSSEL DUSO	Venice	A					
						Toshiba works	Japan	A					
						TJPS	Chennai	A					
						GE	Sanand	A					
						BRUNO PRESEZZI	Italy	A					
						NUGO ROMANO	Italy	A					
						BHEL (HEEP)	Haridwar	A					
						Siemens	Germany	A					
						GMW	Germany	A					
						Sharp	Pune	A			HP/IP Inner Casing		
						BILFINGER MAS.GMBH	Austria	A			Previous Name:MCE		
						Haar Mechanische Fertigung GmbH & Co. KG	Germany	A			Turbine Valve machining		
4	HP/IP/LP Turbine shaft Forging	I				JCFC (Japan Casting & Forging Corp.)	Japan	A					
						SAARSCHMIEDE	Germany	A					
						JSW	Japan	A					
						Pacific Steel Mfg Co Ltd	Japan	A					
						Schmiedewerke Gröditz	Germany	A			For HP/IP		
						Buderus Edelstahl	Germany	A			For HP/IP		
						Cruesot Forge	France	A			For HP/IP		
						Kobe Steel	Japan	A			For HP/IP		
						Energomash	Ukraine	A					
						Doosan Enerbility Co.Ltd.	S.Korea	A			For LP Rotor, Previous Name: M/s Doosan Heavy Industries & Construction Co. Ltd		
						Acciai Speciali terni SPA	Italy	A			Previous Name: SDF SRL		
5	Turbine shaft machining	I				Siemens	Germany	A					
						Franco Tosi	Italy	A			HP/IP		
						BHEL (HEEP)	Haridwar	A					
						ROSSEL DUSO	Italy	A					
						BRUNO PRESEZZI	Italy	A			HP/IP		
						NUGO ROMANO	Italy	A					
						MCE MAP (Voist Alpine)	Austria	A			HP		
						GE	Poland/ Switzerland/ France/ Sanand	A					
						Toshiba	Japan	A					
						TJPS	Chennai	A					
						MHPS	Japan	A					
						LMTG	Hazira	A					
						FUZI ELECTRIC	Japan	A					

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6	HP/IP/LP Stationary & Moving Blades Bar stock	I				Böhler	Austria	A					
						Bohler Schmiedetechnik	Germany	A					
						WELZEWERKE REVENE	Germany	A					
						DIODO	Japan	A					
						Hitachi	Japan	A					
						Starwire	Ballabhgarh	A					
						Gloria Material Technology Corp	Taiwan	A					
						Acciaierie Valbruna S.p.a.	Italy	A					
						BGH Edelstahl GmbH	Germany	A					
						Carpenter Technology Co.	USA	A					
						Daido	Japan	A					
						Sz-metal Ravne D.o.o.	Slovenia	A					
						Einsal	Germany	A					
						Walzwerke Einsal	Switzerland	A					
						Nichia Tanko Co Ltd	Japan	A			LP Blades		
7	HP/IP/LP Stationary & Moving Blades Machining(From Bar)	I				SET	Hungary	A					
						MHPS	Japan	A					
						Leistritz-Numberg	Germany	A					
						Energietechnik Einsal	Germany	A					
						Prawest	Germany	A			FOR LP STATIONARY BLADES		
						ZEMA	Italy	A			FOR LP STATIONARY BLADES		
						LMTG	Hazira	A					
						GE	Switzerland/ Germany/ Sanand	A					
						Enem Excel	Hyderabad	A					
						TJPS	Chennai	A					
						Toshiba	Japan	A					
						BHEL (HEEP)	Haridwar	A					
						Siemens	Germany	A					
						QTPL	Bangalore	A			For Guide Blades		
						AZAD ENGG	Hyderabad	A					
8	IP Outer Casing Casting(Nodular Cast Iron)	I				Friedrich Wilhelm-Huette Eisen	Germany	A					
						Ergocast Guss GMBH	Germany	A					
						Voestalpine	Austria	A					
						MEUSELWITZ GUSS EISENGIESSEREI GMBHH	Germany	A					
						Acciaieria Fonderia Cividale	Italy	A					
9	LP Forged Blades(Drop)-Material	I*/II				MHPS	Japan	A					
						GE	Switzerland	A					
						Leistritz Turbinenkomponenten	Germany	A					
						SMB SA	Switzerland	A			For L1 stage(Last but one) blades		
						C-BLADE SPA	Italy	A					
						BOHLER	Austria	A					
						Fine Forge*	Hyderabad	A					
						PIETRO ROSA	Italy	A					
10	LP Forged Blades(Drop) Machining	I				MHPS	Japan	A					
						C Blade	Italy	A					
						Sumitomo (Manfg. by Sumiju Precision Forgings)	Japan	A					
						PIETRO ROSA	Italy	A					
						Leistritz Turbinenkomponenten	Germany	A					
						Bohler	Austria	A					
						Toshiba	Japan	A					
						BHEL-HEEP	Haridwar	A					
						ALSTOM	Switzerland	A					
						AZAD ENGG	Hyderabad	A					
11	LP Cast Blades(material) & Machining	I				Zollern	Germany	A					
						Consolidated Precision Product	Belgium	A			Previous Name:ESCO		
						Formetal (cismocisco)	Italy	A			For casting		
						Juergens	Germany	A			For casting		
						GE Power Systems	Germany	A					
						IPCL	Bhavnagar	A					
						EXCEL HITECH	Ghaziabad	A			For casting		
						AK ALLOYS	Ahmedabad	A					
						PTC	Lucknow/ Mehsana	A					
						AMBE ENGG-	Ghaziabad	A			For Machining only		
12	LP Hollow Blades	I				Binder	Switzerland	A					
						Prime Hi-Tech Engineering Limited	Naidupet, AP	A					

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13	LP Inner/Outer casing Fabrication	I				LMTG	Hazira	A					
						BHEL (HEEP)	Haridwar	A					
						SHARP	Pune	A					
						Shape Engg.	Haridwar	A					
						GE	Croatia/ Shahabad	A					
						D&N	Germany	A					
						KCP	Chennai	A					
						ISGEC(Weight upto 38T)	Yamunanagar	A					
						PT. Siemens Indonesia	Indonesia	A					
14	LP Inner casing Casting (GGG40)	I				GE Power sp. Z.o.o	Poland	A					
						L&T	Kansbahal	A					
						FWH Freidrich Wilhems-Hute GmBH	Germany	A					
						Heidenheimer Giessen GmBH	Germany	A					
						Pilsen Steel	Czech	A					
						Buderus Spezialguss GmBH	Germany	A					
						Metalodlew	Poland	A			Material EN-GJS-400-18 RT, up to 10.5 MT approx.		
15	LP Inner/Outer casing Machining	I				LMTG	Hazira	A					
						BHEL (HEEP)	Haridwar	A					
						TJPS	Chennai	A					
						MHPS	Japan	A					
						SHARP	Pune	A					
16	LP Crossover Pipe Assembly	I				LONE STAR	Chennai/ Cheyyar	A					
						Flexatherm Expanllow Pvt. Ltd.	Vadodara	A			Up to 2000NB		
						Hatec	Germany	A					
						Rohr-und Anlagenbau (ROBA)	Germany	A					
						Seonghwa	S Korea	A					
						Dee Development	Ballabhgarh	A					
						HKR	S Korea	A					
						Babylon	Germany	A					
						Eichhoff	Germany	A					
						LMTG	Hazira	A					
						Mech engineers	Valsad	A					
17	Electro-Hydraulic Actuators	I				MHPS	Japan	A					
						GE	Germany	A					
						Horst Thiele	Germany	A					
						Bosch Rexroth	Germany	A					
						Hydac	Germany/Bangalore	A					
						MOOG	Japan/Bangalore	A					
18	Hydraulic Power Pack Unit	I				Bosch Rexroth	Germany	A					
						Bosch Rexroth	Ahmedabad	A					
						Hydac	Germany	A					
						Hydac	Coimbatore	A					
19	Actuator & Valve For CRH-NRV & QC-NRV	I				Weir	USA	A					
						Cesare Bonetti	Italy	A					
						BABCOCK	Spain	A					
						ADAMS	Germany	A					
						BHEL	Trichy	A			Upto 850NB & Class upto 900 special		
						SEMPELL	Germany	A					
20	HP/IP/LP Shaft Seals	II				TPT	S Korea	A					
						Starwire	Ballabhgarh	A			For INGOTS		
						Kolhapur Steel	Kolhapur	A					
						Silbitz Guss	Germany	A					
						StahlgussSaar	Germany	A					
						GE	Sanand	A					
						PMT	Pune	A					
						Wellbore	Ahmedabad	A					
						Bharat Forge	Pune	A					
						Indo air	Ahmedabad	A					
						Toshiba	Japan	A					
21	TG Bearings	I				GE	Germany	A			For Thrust Bearing		
						Kingburry	USA	A					
						Omega	Bhopal	A					
						Eurobearing	Italy	A					
						Miba Industrial Bearings Germany GmbH (Erstwhile John Crane Bearing)	Germany	A					

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						BHEL (HEEP)	Haridwar	A					
						Wuakesha Bearing	UK	A					
						Euro Bearings	Faridabad	A					
						Kingsburry	USA	A					
22	MOP/EOP	I				Allweiler	Germany	A					
						ABB	Switzerland	A					
						Bosch Rexroth	Germany/ Switzerland	A					
						Toshiba	Japan	A					
						Ebara Yoshikura Hydrotec Ltd.	Japan	A					
23	Jacking Oil Pump	I				Bosch Rexroth	Germany /Switzerland	A					
						Allweiler	Germany	A					
						Leistritz	Germany	A					
						MITTEN MANUFACTURING, INC	USA	A					
						PARKER HANIFIN	Japan	A					
						Allweiler	Daman	A					
24	Oil Purification Unit	I				Facet	Spain	A			Coalescer Type		
						Pall Corporation	USA	A			For control fluids		
						Alfa Laval	Pune	A			Centrifuge Type		
						Hilliard	USA	A			Coalescer Type		
						Kaydon Filtration	USA	A			Coalescer Type		
						Westfalia Separator India Pvt.Ltd.	Germany/ Bangalore	A					
						Rotring	Germany	A					
						Rockfin Group	Poland	A					
25	Duplex Oil Filter With Oil Changeover Valve	I				Hydac	Germany	A					
						Boll & Kirch	Germany	A					
						Rockfin	Poland	A					
26	Turbine Integral Piping	I				BHEL Piping Center	Chennai	A					
						BHEL, Power Plant Piping Unit	Thirumayam	A			Up to grade P92		
						BHEL	Trichy	A			Up to grade P92		
						Unitech	Saharanpur	A					
						Bend Joints	Bhopal	A			Up to grade P22		
						Pal Engineering	Yamunanagar	A			Up to Grrade P91		
						Seonghwa	S Korea	A					
						L&T Piping Center	Hazira	A					
						Gujarat Infrapipes Private Limited	Vadodara	A			Up to grade P22		
						Dee Development	Ballabhgarh	A			Up to grade P92, Size OD 219.1 X WT 58 mm		
27	Oil Module including Central Lubrication System	I				Kelag	Switzerland	A					
						VDL Delmas	Germany	A					
						Hydac India Pvt. Ltd.	Coimbatore	A					
						AEL	Germany	A					
						Flenco	Italy	A					
						Hydac	Germany	A					
						King Dynamics	Switzerland	A					
						Southern Lubrication	Bangalore	A					
						ENPRO	Pune	A					
28	Thermal Insulation	II				Eugen Arnold GmbH	Germany	A					
						Heinrich Tapp GmbH	Germany	A					
						Lloyds Insulation	India	A					
						Minwool Rock Fibre	Bhilai	A					
						Thermocare	Rajnandgaon	A					
						Dhanbad Rockwool Insulation	Dhanbad	A					
						Minsulate Manufacturing Co.	Jamshed	A					
29	Condenser (water cooled) (Sub QR Item)	I				MHI	Japan	A					
						THERMAL ENGG INTERNATIONAL (TEI)	USA	A					
						TJPS	Chennai	A					
						TOSHIBA CORPORATION LTD	Japan	A					
						LMTG	Surat	A					
						BHEL	Haridwar	A					
						ABFPL	Sanand	A					
						GE	Switzerland	A					
						ISGEC	Yamunanagar	A					
						GE Power india Ltd.	Durgapur	A					

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30	Condenser Fabricator (water cooled)	I				Godrej & Boyce Manufacturing Company Ltd.	Mumbai	A					
						TEMA India Ltd.,	Thane	A					
31	Condenser (Air cooled) (Sub QR Item), if applicable	I				SPX Dry Cooling	Belgium	A					
						Enexio Germany GmBH	Germany	A					
32	HP Heaters (Sub QR Item)	I				TOSHIBA CORPORATION LTD	Japan	A					
						TJPS	Chennai	A					
						SPX Heat Transfer Inc. (Erstwhile Yuba Heat Transfer)	USA	A					
						GE	France	A					
						ABFPL	Sanand	A					
						BHI	S Korea	A					
						THERMAL ENGG INTERNATIONAL	USA	A					
						HOLTEC	USA	A					
						L&T	Hazira	A					
						BHEL	Hyderabad	A					
33	LP/HP Heater Fabricator	I				ISGEC	Yamunanagar	A					
						Godrej & Boyce Manufacturing Company Ltd.	Mumbai	A					
						TEMA India Ltd.,	Thane	A					
34	LP Heaters (Sub QR Item)	I				TOSHIBA CORPORATION LTD	Japan	A					
						TJPS	Chennai	A					
						SPX Heat Transfer Inc. (Erstwhile Yuba Heat Transfer)	USA	A					
						GE	Switzerland	A					
						ABFPL	Sanand	A					
						BHI	S Korea	A					
						THERMAL ENGG INTERNATIONAL	USA	A					
						BHEL	Hyderabad/ Haridwar	A					
						L&T	Hazira	A					
						HOLTEC	USA	A					
35	Condensate Extraction Pump (CEP) (Sub QR Item)	I				KSB	Chinchwad, Pune	A					
						BHEL	Hyderabad	A					
						SULZER Pumps	Mumbai	A					
						Clyde Pumps India pvt. Ltd.	Ghaziabad	A					
36	Condenser Air Evacuation Pumps (Sub QR Item)	I				GARDNER Denver/Nash	Germany	A					
						GARDNER Denver/Nash	Pune	A					
						Tsurumi pumps	Japan	A					
						Edwards	UK	A					
37	Deaerator (Sub QR Item)	I				TJPS	Chennai	A					
						BHEL	Hyderabad	A					
						BGR	Chennai	A					
38	Deaerator Fabricator	I				Godrej	Mumbai	A					
						ISGEC	Yamunagar	A					
						Altech	Bhiwadi	A					
						TEMA India Ltd.,	Mumbai	A					
						Bharat Heavy Plate & Vessel Ltd.	Vishakhapatnam	A					
						BGR Energy System Ltd.	Chennai	A					
39	Booster Pump	I				KSB	Germany	A					
						KSB	Pune	A					
						Sulzer Pumps	Mumbai	A					
						Sulzer	UK	A					
						Flowserve	Switzerland	A					
						FLOWSERVE	Coimbatore	A					
						Flowserve	Spain	A					
						Hitachi	Japan	A					
						Ebara Corporation	Japan	A					
						MHI	Japan	A					
						BHEL	Hyderabad	A					
40	Boiler Feed Pump (BFP) (Sub QR Item)	I				Ebara Corporation	Japan	A					
						Flowserve	Spain	A					
						KSB	Germany	A					
						KSB	Pune	A					
						Mitsubishi Heavy Industry	Japan	A					

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40	Boiler Feed Pump (BFP) (Sub QR Item)	I				HITACHI PLANT TECHNOLOGY	Japan	A					
						BHEL	Hyderabad	A					
						Sulzer Pumps	Mumbai	A					
						SULZER	UK	A					
41	Drive Turbine for BFP	I				Siemens	Germany	A					
						Hitachi	Japan	A					
						GE Thermodyne	France	A					
						GE India Industrial Pvt. Ltd.	Pune	A					
						Toshiba	Japan	A					
						TJPS	Chennai	A					
						Power machines(Kaluga)	Russia	A					
						BHEL	Hyderabad	A					
						MHI	Japan	A					
						Skoda	Czech republic	A					
42	HP Bypass Valves (Sub QR Item)	I				CCI	Sweden/ Switzerland/ Czech Republic	A					
						CCI	Chittor,AP	A					
						Bomafa	Germany	A					
						Bomafa	Ahmedabad	A					
43	LP Bypass Valves (Sub QR Item)	I				CCI	Sweden/ Switzerland/ Czech Republic	A					
						CCI	Chittor,AP	A					
						BOMAFA	Ahmedabad	A					
						Welland & Tuxhorn	Germany	A					
						BOMAFA	Germany	A					
44	Condensor On-load Tube cleaning system (COLTCS) (Sub QR Item) (as appliacble)	I				GEA BGR	Chennai	A					
						Multitex Filtration	Greater Noida	A					
45	Hydraulic Coupling for BFP	I				Voith	Hyderabad	A					
						Voith	Germany	A					
46	Hangers & Supports; Pipe Support components including Spring Hangers	I				Pipe Support	Chennai	A					
						Lisega	Germany	A					
						Lisega	Ahmedabad	A			Load upto to 100KN		
						Seonghwa	S Korea	A					
						Pipe supports	UK	A					
						GILLARDINI	Italy	A					
						BERJEN	Chittor,AP	A					
						NHK SPRIING	Japan	A					
						Yamashita Seisakusho Co. Ltd	Japan	A					
						MHI	Japan	A					
						SANWA TEKKI CORPORATION	Japan	A					
						CARPENTER AND PETERSON	UK	A			CLH Upto 30 T AND VLH Upto 32 T		
						CARPENTER & PATERSON INDIA PRIVATE LTD.	Vellore	A			CLH Upto 23.8T & VLH Upto 20.7T		
						AAA Supports Private Limited	Vadodara	A			For VLH and Rigid supports Max. Load 25 MT		
						Carpentor & Patterson	USA/Thailand	A					
47	Metallic Expansion Joint	I				Lonestar	Chennai	A			For size up to NB9200		
						Flexicon	Vadodara	A			For size upto 2200NB		
						Witzemann	Germany	A					
						Munro & Miller	UK	A					
						Flexatherm	Vadodara	A			For size upto 8000NB		
						Bird Precision	UK	A					
						Metallic Bellows	Chennai	A			For size up to 1600 NB		
						M B Metallic Bellows	Chennai	A			For size upto 2200NB		
						Athulya Bellows and Engineering Pvt. Ltd	Vadodara	A			For size up to NB 3400		
						HKR	S Korea	A					
						BHR	Germany	A					
						Seonghwa	S Korea	A					
						Finow	Germany	A					
						TOSHIBA	Japan	A					

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48	HP Piping -Fabrication (Based on Design and Drawings of Qualified Vendor)	I				BHEL	Piping Center, Chennai &Thirumayam	A					
						L&T	Hazira	A					
						Dee development	Ballabhgarh	A					
						Bendtec	USA	A					
49	HP Pipes and Fittings (Mills)	II				Wyman-Gordon	USA	A					
						Sumitomo	Japan	A					
						Tenaris	Italy	A					
						V&M	Germany	A					
						V&M	France	A					
						IBF	Italy	A					
						SUNGWANG BEND	S Korea	A			UP TO 24INCH IN CS/AS MATERIAL		
						Productos Tubulares	Spain	A					
						JFE	Japan	A					
						Bentler	Germany	A					
						TK CORPORATION	S Korea	A			UP TO 24INCH IN CS MATERIAL		
						TUBOS REUNIDOS	Spain	A					
						MEGA	Italy	A			For Fittings Only		
						Petrol Raccord,	Italy	A			UP TO 24INCH IN CS MATERIAL & UP TO 18 INCH IN AS MATERIAL		
						Benkan Japan KK	Japan	A			UP TO 24INCH IN CS MATERIAL		
50	Elastomer Large Bellows or Flexibles Rubber Bellows	I				Cori Engineers Pvt. Ltd.	Chennai	A			UP TO 2700 NB		
						SRM Ecoflex	Kolkata	A			UP TO 2700 NB		
51	Heater Drains Recovery Pumps (Drip Pump)	I				KSB	Germany	A					
						Nasosenergomash	Ukraine	A					
						Sulzer Pumps	Mumbai	A					
						KSB	Pune	A					
						Hyundai	S Korea	A					
						KBL	Pune	A					
						Flowserve	Coimbatore	A					
52	Debris Filter/ Self Cleaning Strainer	I				GEA-BGR	Chennai	A					
						Multitex	Gr.Noida	A					
53	LP Pipes & Fittings (CS & SS)	I				Remi	Tarapur,India	A			SS		
						Apex	Alwar	A			SS (up to 150NB)		
						Ratnamani	Ahmedabad	A			SS		
						ISMT	India	A			CS (up to 400 NB)		
						Maharashtra Seamless Ltd.	Maharashtra	A			CS (up to 400 NB)		
						Tube Products Incorporate	Ahmedabad	A					
						TK Corporation	S Korea	A					
						Dee development	Palwal	A					
						Jindal Saw	India	A			CS (up to 400 NB)		
						Tata	India	A			ERW		
						Surya	India	A			ERW		
						JINDAL PIPES LTD	India	A			ERW		
						WELSPUN	India	A			ERW		
						Lalit Pipes & pipes Ltd.,,	Thane	A			EFW Pipes		
						Ratnamni Metals and Tubes Ltd.,	Gandhinagar	A			EFW Pipes		
54	Butterfly Valves (* Also for steam services)	I				Fouress Engg. *	Bangalore	A			upto 2600 NB		
						IL *	Palakkad	A			upto 2200 NB		
						BHEL *	Bhopal, India	A					
						Kriloskar Bros. Ltd	Pune	A					
						L&T	Chennai	A					
						Trillium Flow	Hubli	A					
						Tyco	Halol	A					
						L&T	Coimbatore	A					
						Nengfa Weiye Tieling Valve Joint Stock Co. ltd.	China	A					
						Intervalve	Pune	A					
						L&T	Chennai/ Coimbatore	A					
						Velan	Canada/ Coimbatore	A					
						KSB	Germany/ Coimabtore	A					
						ToA	Japan	A					
						Fouress Engg	Aurangabad	A					
						Trillium Flow	Hubli	A					

एनटीपीसी NTPC एक महारत्न कम्पनी	PROJECT : PACKAGE : EPC CONTRACTOR: CONTRACT NO :	LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL	REVISION NO : 00 DATE :31.03.2024 SUB SECTION: QA-TG(MECH)

Sr No	Item Description	QP Inspection Category	QP No	QP submission SCH	QP approval SCH	Proposed Sub Supplier	Country	SS Approval_Status	SS Detail Sub.SCH	SS Approval SCH	Remark	Package Applicable	Provenness Clause (Refer Note-1)
55	Valves (gate/ globe/check) for LP application	I				Crane	USA	A					
						Samshin	S Korea	A					
						KBL	Pune	A					
						Weir	UK	A					
						Leader	Jalandhar	A					
						BHEL	Trichy	A					
						Pentair (Tyco Sempel)	Trichy	A					
						HP Valves(Key Valves Technology)	Netherlands	A					
						IL	Palakkad	A					
						Steel Strong	Mumbai	A					
56	HP Feedwater Heaters Automatic (String Bypass) Isolation Valves	I				KSB	Germany	A					
						Tyco Sempell	Germany	A					
						Strack	Germany	A					
						BHEL	Trichy	A					
						Weir Valves & Controls UK Ltd.	UK	A					
57	Water Steam Cycle HP Valves	I				KSB	Germany /Coimbatore	A					
						L&T	Chennai	A					
						L&T	Coimbatore	A					
						Velan	Coimbatore	A			up to 2inch, #4500 (up to P92 grade)		
						HP Valves	Netherlands	A			Previous Name:Key Valves Technology		
						Weir Valves & Controls UK Ltd.	UK	A					
						BHEL	Trichy	A					
						Crane	USA	A					
						Samshin	S Korea	A					
						Pentair(Tyco Sempell)	Germany	A					
						Velan	Canada	A					
						ToA	Japan	A					
						Tyco	USA	A					
58	Safety Valves	I				BHEL	Trichy	A					
						Dresser	USA	A					
						Tyco	USA	A					
						Babcock	Spain	A					
						Flainger	Germany	A					
						Bopp & Reuther	Germany	A					
						Flainger	Nasik	A					
						Reineke	Germany	A					
						Valve Technology	USA	A					
59	Forged Seel Valves up to 2" , Class 800 (FCS/FSS)	I				KSB	Coimbatore	A					
						Leader	Jallandhar	A					
						L&T	Chennai	A					
						Velan	Canada	A					
						Fouress Engg	Ahmadnagar	A					
						Trillium Flow	Hubli	A					
						Velan	Canada	A					
						Steel Strong	Mumbai	A					
						L&T	Coimbatore	A					
60	Condenser Tubes(SS Welded)	I				Plymouth	USA	A					
						Ratnamani	Kutchh	A					
						Neotiss Limited	Medak,AP	A			Remarks:Formerly Vallourec Heat exchanger Tubes Ltd/ CST Valinox Ltd.		
						REMI Edelstahl Tubulars Ltd.	Tarapur	A					
						Shin han Metal	S Korea	A					
						Valtimat	France	A					
						Nippon Steel Corp.	Japan	A					
						Ratnadeep Metal & Tubes Ltd	Mehsana	A					
						Maxim Tubes	Gandhinagar	A					
						Jindal SAW	Mathura	A					
						Scholler Werke GmbH	Germany	A					
61	HP/LP Heater tubes	I				Plymouth	USA	A					
						Ratnamani	Kutchh	A					
						Ratnamani	Mehsana	A					
						Valtimat	France	A					
						Nippon Steel Corp.	Japan	A					
						Scholler Werke	Germany	A					
						Heavy Metals and Tubes	Gandhinagar	A					
						Shin han Metal	S Korea	A			LP Heater		
						Apex	Alwar	A			LP Heater		

एनटीपीसी NTPC एक महारत्न कम्पनी	PROJECT : PACKAGE : EPC CONTRACTOR: CONTRACT NO :	LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL	REVISION NO : 00 DATE :31.03.2024 SUB SECTION: QA-TG(MECH)

Sr No	Item Description	QP Inspection Category	QP No	QP submission SCH	QP approval SCH	Proposed Sub Supplier	Country	SS Approval_Status	SS Detail Sub.SCH	SS Approval SCH	Remark	Package Applicable	Provenness Clause (Refer Note-1)
						Ratnadeep Metal & Tubes Ltd	Mehsana	A			LP Heater		
						REMI Edelstahl Tubulars Ltd.	Tarapur	A					
						Neotiss Limited	Medak,AP	A			Remarks:Formerly Vallourec Heat exchanger Tubes Ltd/ CST Valinox Ltd.		
62	TG Hall Eot Cranes along with Lifting Beam(Sub-QR Item)	I				FAFECO	Vadodara/Mumbai/Pune	A			Vadodara upto 150MT, Mumbai upto 200MT,Pune-200T		
						Mukand	Thane	A			upto 300MT		
						WMI Konecranes	Pune	A			upto 300MT		
						Anupam Industries	V U Nagar	A			upto 300MT		
						Unique Industries Handlers	Nasik	A			upto 300MT		
						CRANEX	Ghaziabad	A			upto 140MT		
						HEC	Ranchi	A			upto 265MT, Main Contractor to ensure availability of Load/Overload testing facility at Shop.		
63	Hydrogen Generation Plant(if applicable) (Sub-QR Item)	I				Proton Energy Systems	USA	A					
						MVS ENGINEERING LIMITED	New Delhi	A			Bi-polar type, 2x6NM3/Hr		
						SUKAN ENGG. PVT. LTD	Mumbai	A			Bi-polar type, 2x6NM3/Hr		
						Eastern Electrolyzer Limited	Noida	A			Bi-polar type, 2x6NM3/Hr		
						Teledyne Energy System Inc.	USA	A					
						AIROX NIGEN EQUIPMENTS LTD	Ahmedabad	A			Bi-polar type, 2x6NM3/Hr		
						Electrolyser Corporation	Canada	A					
						BOC	Kolkata	A					
Main Contractor Approved Sources(Note-3)													
1	Turbine Bearing Pedestal	I				Main Contractor Approved Sources							
2	Chemical Dosing System	I				Main Contractor Approved Sources							
3	Vapour Exhauster With Motor	II				Main Contractor Approved Sources							
4	Drain Cooler & Misc Tanks	II				Main Contractor Approved Sources							
5	Oxygen/NAOH Dosing System	II				Main Contractor Approved Sources							
6	Misc Items like Internals of equipments(if not covered in MQP) & Consumables like paints, gaskets etc.	III				Main Contractor Approved Sources							
Site Erection Agency													
1	Erection Agency for Turbine,Generator & Auxiliaries including ACC System					NTPC Approved Agency							

NOTE - 1 : For final Sub-QR approval , document required to be submitted as per Sub-QR requirements given in the specification.

NOTE-2: Vendors under 'A' are approved and accepted by NTPC with/without conditions in the past. Similar conditions as the case may be for the vendor shall be applicable for this project and tied up in the quality plan.

NOTE-3: Main contractor approved sub vendors evaluated / assesesed as per Main contractor Quality Management System is acceptable.

Note-4: The items not covered in the above list shall be mutually discussed & agreed for Item categorisation & sub-vendor control as per NTPC practise.

LEGENDS/ संकेतिका

* - Inspection category will be decided during vendor evaluation.

1.0 SYSTEM SUPPLIER / SUB SUPPLIER APPROVAL STATUS CATEGORY प्रणाली आपूर्तिकर्ता / सब –वेंडर की स्वीकृति की स्थिति की श्रेणी

A – For these items proposed vendor is acceptable to NTPC. To be indicated with letter "A" in the list along with the condition of approval, if any./ इन मदों के लिए प्रस्तावित वेंडर एनटीपीसी को स्वीकार्य हैं। अनुमोदन की शर्त, , यदि कोई हो, के साथ-साथ पत्र "A" में इंगित किया जाए ।

2.0 QP INSPECTION CATEGORY : क्यूपी / निरीक्षण की श्रेणी:

CAT - I : For those items the Quality Plans are approved by Customer and final acceptance will be on physical inspection witness by Customer.इन मदों के लिए गुणवत्ता योजनाओं को एनटीपीसी द्वारा अनुमोदित किया जाता है और एनटीपीसी द्वारा अंतिम स्वीकृति भौतिक निरीक्षण के दौरान उपलब्ध गवाह के आधार पर दी जाएगी।

CAT - II : For those items the Quality Plans are approved by Customer. However no physical inspection shall be done by Customer. The final acceptance by Customer shall be on the basis of review of documents. इन मदों के लिए गुणवत्ता योजनाओं को एनटीपीसी द्वारा अनुमोदित किया जाता है। हालाँकि एनटीपीसी द्वारा कोई

CAT - III :For these items Quality control to be exercised as per Main contractor Quality Assurance System. The final acceptance by NTPC shall be on the basis of Certificate of Conformance (COC) by Main Contractor.

UNITS/WORKS : Place of manufacturing- Place of main supplier of multi units/works.