

SUB-SECTION–E-60

INDICATIVE VENDOR LIST

Disclaimer for Indicative Vendor List

- 1.1 Reasonable efforts have been made to collate the sub-vendors proposed by the various main contractors from time to time against different Projects/Packages and accepted by NTPC for various items. However, in case of error/omission, if any, and represented by the successful bidder this will be addressed during the execution of the contract based on the material evidence available with NTPC / Main Contractor.
- 1.2 The approved sub-vendor list drawn is not based on NTPC driven enlistment process but based on the sub- vendors proposed by various Main Contractors. As such, it is possible that some of the Suppliers/Manufacturers who may be involved in similar work/process may not be appearing in the list as such sub-vendors may not have been proposed by Main Contractors against NTPC Contracts.
- 1.3 In case the successful bidder chooses to propose additional sub-vendors with relevant experience after the award of the contract such sub-vendors will be considered in terms of Clause no: 19.1 of GCC, provided the proposals are received sufficiently in time: 90 days prior to ordering date of a Bought Out Items/Start of Manufacturing so as not to impede the progress of the contract.
- 1.4 Sub-vendors have been grouped under different categories of items. It is possible that an item characterized by certain specific features such as range and type required as per Main Contractor's design requirements may not be in the range of the listed sub-vendor's manufacturing process/capability. As such the main contractor to ascertain the vendor's capability to meet his specific requirements before considering a sub-vendor.

SIPAT STPP STAGE-III (1 X 800 MW) EPC PACKAGE	TECHNICAL SPECIFICATIONS SECTION VI, PART- B Bid Doc. No.:	SUB-SECTION- E-60 INDICATIVE VENDOR LIST	Page 1 of 2
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- 1.5 It is to be noted by the bidders that any shortfall in contract performance attributable to the sub-vendor listed will not absolve the contractor from his contractual obligations in any manner.
- 1.6 The approval was granted based on the evaluation of relevant capabilities and facilities possessed by the sub-vendor at the time of evaluation. Also, some of the sub-vendors may not be active. As such, the successful bidder is to carry out his own due diligence before considering the listed sub-vendor for subletting: the current status of the sub-vendor, the continued availability of productive resources including Human Resources.
- 1.7 The list of sub-vendors is periodically revised to include new sub-vendors. Such a revision may also see a deletion of certain sub-vendors who may have been disqualified on grounds of inadequate performance or banned in line with NTPC's banning policy. The then current list will be shared with the successful bidder immediately on award.
- 1.8 In the post award during detailed engineering, Main contractor to take up with sub vendors and ensure/verify approval conditions of NTPC/Owner before placing the orders.

SIPAT STPP STAGE-III (1 X 800 MW) EPC PACKAGE	TECHNICAL SPECIFICATIONS SECTION VI, PART- B Bid Doc. No.:	SUB-SECTION- E-60 INDICATIVE VENDOR LIST	Page 2 of 2
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एनडीसी NTPC Item / मद		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL					Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची		Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी		Place/ स्थान		Remarks/ टिप्पणी		Provenness Clause (Refer Note-1)	
		Package/ पैकेज: EPC PACKAGES					AND SUB-SUPPLIER APPROVAL														
		Supplier/ आपूर्तिकर्ता:					स्वालिटी प्लान तथा सब-वेयर के अनुमोदन सहित मंती की सूची														
		Contract No./ अनुबंध सं.:					SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)														
S. N. क्र.सं.		QP/ Insp. Cat.क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता																
1		I			REFER SUB QR ITEM LIST Refer Note 1																
2		I			REFER SUB QR ITEM LIST Refer Note 1																
3		I			REFER SUB QR ITEM LIST Refer Note 1																
4		I			REFER SUB QR ITEM LIST Refer Note 1																
5		I			REFER SUB QR ITEM LIST Refer Note 1																
6		I			REFER SUB QR ITEM LIST Refer Note 1																
7		I			REFER SUB QR ITEM LIST Refer Note 1																
8		I			NTPC APPROVED SOURCES																
9		\$			VALLOUREC & MANNESMANN TUBES	FRANCE, GERMANY															
		\$			TENNARIS GLOBAL SERVICES SA, URUGUAY	DALMINE, ITALY															
		\$			TENNARIS GLOBAL SERVICES SA, URUGUAY	SILCO, ROMANIA															
		\$			TENNARIS GLOBAL SERVICES SA, URUGUAY	NKK TUBES, JAPAN															
		\$			MAHARASHTRA SEAMLESS LTD	RAIGAD															
		\$			IBF S.P.A	ITALY															
		\$			JFE STEEL CORPORATION	JAPAN															
		\$			TUBOS REUNIDOS INDUSTRIAL, S.L.U	SPAIN															

एनडीपीसी NTPC		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL					DOC. NO./ दस्तावेज सं.:			
		Package/ पैकेज: EPC PACKAGES					Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची					Remarks/ टिप्पणी		Provenness Clause (Refer Note-1)	
		Supplier/ आपूर्तिकर्ता:													
		Contract No./ अनुबंध सं.:													
S. N. क्र.सं.	Item/ मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No./ क्यूपी. सं.	QP Sub. Schedu le क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status/ category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची		Remarks/ टिप्पणी		Provenness Clause (Refer Note-1)			
		\$			JINDAL SAW LIMITED	NASHIK	A			CS & AS T-11, T-12, T-22 HOT FINISHED OD: 33.4 MM TO 168.3 MM WT: 3.5 MM TO 21.95 MM COLD FINISHED OD: 6.0 MM TO 140.0 MM WT: 0.8 MM TO 15.0 MM					
		\$			REMIMETALS GUJARAT LTD	BHARUCH	A			CS & AS T-11, T-12, T-22 HOT FINISHED OD: 28.6 MM TO 177.8 MM WT: 3.0 MM TO 28.0 MM COLD FINISHED OD: 9.0 MM TO 127.0 MM WT: 1.6 MM TO 20.0 MM					
		\$			WAYMAN GORDAN	USA	A			CS,T11,T12,T22,T91					
		\$			BENTELER STEEL/TUBE GMBH	GERMANY	A			CS,T-11, T23, T-22, T-91 & T-92					
		\$			HEAVY METALS & TUBES LTD	AHMEDABAD	A			CS HOT FINISHED UP TO OD: 76.2 MM AND WT:12.0 MM					
		\$			PRODUCTOS TUBULARES,	SPAIN	A			CS & AS T-11, T-22, T-23, T-91					
		\$			ISMT	AHMEDNAGAR,B ARAMATI	A			CS, T11, 12, 22 HOT FINISHED OD: 38.0 MM TO 273.0 MM WT: 3.5 MM TO 40.0 MM COLD FINISHED OD: 18.0 MM TO 140.0 MM WT: 1.5 MM TO 15.0 MM					
		\$			NIPPON STEEL & SUMITOMO METAL CORPORATION	JAPAN	A			CS, T-11, T-22, T23, T-91, & T-92					
		\$			BENTELER STEEL/TUBE GMBH	GERMANY	A			CS, T-11, T23, T-22, T-91 & T-92					
		\$			BHEL SSTP	TRICHY	A			CS, T-11, T-12, T-22					
10	SEAMLESS TUBES(RIFFLED)	\$			SALZGITTER MANNESAMANN PRECISION	FRANCE	A			CS					
11	SEAMLESS TUBES(SS)	\$			KOBE SPECIALITY STEEL CO LTD	JAPAN	A			SS304, SS347H					
		\$			SMST	ITALY	A			SS304, 347H, SUPER 304					
		\$			TUBACEX	SPAIN	A			SS304, 347H, SUPER 304					
		\$			PASCO SPL STEEL CO.	SOUTH KOREA	A			SS304, 347H, SUPER 304					
		\$			NIPPON STEEL & SUMITOMO METAL CORPORATION	JAPAN	A			SS 304, SS347H, SUPER 304 OD UP TO 114.3 MM					
12	SEAMLESS PIPES	\$			TENNARIS GLOBAL SERVICES SA, URUGUAY	DALMINE, ITALY	A			CS & AS P-11, P-22, P-91					

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		Package/ पैकेज: EPC PACKAGES					Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची					REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:											
		Contract No./ अनुबंध सं.:											
S. N. क्र.सं.	Item/ मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No./ क्यूपी. सं.	QP Sub. Schedu le क्यूपी उप अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)			
		\$			TENNARIS GLOBAL SERVICES SA, URUGUAY	SILCO, ROMANIA	A		CS & AS T-11, T-22, T-91 UPTO DIA 159 MM				
		\$			TENNARIS GLOBAL SERVICES SA,URUGUAY	NKK TUBES, JAPAN	A		CS & AS T-11, T-22, T-91				
		\$			VALLOUREC & MANNESMANN TUBES	FRANCE, GERMANY	A		CS & AS P-11, P-22, P-91, P-92				
		\$			TUBOS REUNIDOS INDUSTRIAL, S.L.U	SPAIN	A		CS & AS P-11, P-22, P-91				
		\$			ISMT	AHMEDNAGAR, BARAMATI	A		CS, T11, 12, 22 HOT FINISHED OD: 38.0 MM TO 273.0 MM WT: 3.5 MM TO 40.0 MM COLD FINISHED OD: 18.0 MM TO 140.0 MM WT: 1.5 MM TO 15.0 MM				
		\$			REMIMETALS GUJARAT LTD	BHARUCH	A		CS & AS T-11, T-12, T-22 HOT FINISHED OD: 28.6 MM TO 177.8 MM WT: 3.0 MM TO 28.0 MM COLD FINISHED OD: 9.0 MM TO 127.0 MM WT: 1.6 MM TO 20.0 MM				
		\$			VALCONVY TRUB CHOMUTOV,	CZECH REPUBLIC	A		CS & P-12 & P-22				
		\$			ARCELOMITTAL TUBULAR PRODUCTS ROMAN S.A	ROMANIA	A		CS				
		\$			WAYMAN GORDAN	USA	A		CS & AS P-11, P-22, P-91				
		\$			MAHARASHTRA SEAMLESS LTD	RAIGAD	A		CS HOT FINISHED OD:219.1 MM TO 355.6 MM WT: 6.35 MM TO 35.1 MM COLD FINISHED OD:19.0 MM TO 88.9 MM WT: 1.0 MM TO 12.0 MM				
		\$			PRODUCTOS TUBULARES,	SPAIN	A		CS & AS P-11, P-12, P-22, P-91				
		\$			NIPPON STEEL & SUMITOMO METAL CORPORATION	JAPAN	A		CS & AS P-11, P-22, P-91 & P-92				
		\$			TENNARIS GLOBAL SA, URUGUAY	NKK TUBES, ITALY	A		P-91, P-22, P-11, P12, CS				
		\$			JINDAL SAW LIMITED	NASHIK	A		CS, T11, 12, 22 HOT FINISHED OD: 33.4 MM TO 168.3 MM WT: 3.5 MM TO 21.95 MM COLD FINISHED OD: 6.0 MM TO 140.0 MM WT: 0.8 MM TO 15.0 MM				
		\$			IBF S.P.A	ITALY	A		P-92, P-91, P-22, P-11, P12, CS				
		\$			JFE STEEL CORPORATION	JAPAN	A		P-92, P-91, P-22, P-11, P12, CS				
		\$			BHEL SSTP	TRICHY	A		CS				
		\$			BENTELER STEEL/TUBE GMBH	GERMANY	A		P-11, P-22, P-91, P-92 UP TO OD 160 MM				

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		\$			RINGMILL SPA	ITALY	A		CS OD UP TO 914 MM & WT UP TO 102 MM & AS P-91				
		\$			FORGIATURA MORANDINI SRL	ITALY	A		CS & AS P-11, P-22, P-91 & P-92				
13	PLATES AND ROLLED SECTION (CS & AS EXCLUDING CS- IS-2062 GRADES)	\$			INDUS STEEL	BELGIUM	A		CS-SA515 AS UP TO GR-91				
		\$			ILSENBURGER GROBBLECH	GERMANY	A		CS-SA 299, SA515, BS EN 10025, AS UP TO GRADE 91				
		\$			DILLINGER-GTSVENTES	GERMANY	A		CS-SA 299, SA515, BS EN 10025. A36, AS UP TO GRADE 91				
		\$			SIJ ACRONI D.O.O., SLOVENIA	SLOVENIA	A		CS- SA515, BS EN 10025, A36, AS UP TO GRADE 91				
		\$			THYSSENKRUPP	GERMANY	A		CS- SA515 BS EN 10025 A36, AS UP TO GRADE 22				
		\$			INDUSSTEEL LOIRE	FRANCE	A		CS-SA 299, SA515; AS UP TO GRADE 22				
		\$			ARCELLOR MITAL NIPPON STEEL (Formerly ESSAR Steel)	HAZIRA	A		CS- SA515, BS EN 10025, A36, AS GRADE 12 &22				
		\$			VOESTALPINE GROBBLECH GMBH	AUSTRIA	A		CS- SA515 BS EN 10025 A36, AS UP TO GRADE 22				
		\$			SAIL	BHILAI/SALEM	A		CS- SA515 BS EN 10025 A36, AS UP TO GRADE 22				
		\$			NIPPON STEEL	JAPAN	A		CS- SA515 BS EN 10025 A36, AS UP TO GRADE 22				
		\$			POSCO	SOUTH KOREA	A		CS- SA515 BS EN 10025 A36, AS UP TO GRADE 22				
		\$			REINER BRACH GMBH & CO.	GERMANY	A		CS- SA 299 SA515 BS EN 10025 A36, AS UP TO GRADE 22				
		\$			LLYODS STEEL INDUS LTD	INDIA	A		ALLOY STEEL PLATES AS PER A-204 & A-387 UPTO THICKNESS OF 40MM FOR STRUCTURAL STEEL APPLICATION , IN NON-PRESSURE PARTS.				
14	PLATES & ROLLED SECTION (CS-IS 2062 STRUCTURAL STEEL GRADES)	\$			REFER TO SUB-VENDORS MENTIONED IN THE TECHNICAL SPECIFICATIONS SEC-VI, PART-B		A						
15	PLATES(SS)	\$			OUTOKUMPU	SWEDEN	A		SS PLATES UP TO 20 MM THK				
		\$			INDUSSTEEL	BELGIUM	A		GRADE-304,309,310,316				

एनटीपीसी NTPC		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW) Package/ पैकेज: EPC PACKAGES Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL स्वालिटी प्लान तथा सब -वेयर के अनुमोदन सहित मदों की सूची					DOC. NO./ दस्तावेज सं.: REVISION NO : 00 DATE/ तिथि : 02.05.2023 SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)			
		\$			JSL STAINLESS	JAIPUR	A	LINER SS 304					
		\$			INDUSSTEEL LOIRE	FRANCE	A	GRADE-304,309,310,316					
		\$			SAIL	BHILAI/SALEM	A	GRADE-304,309,310,317					
		\$			COLUMBUS STAINLESS STEEL	SOUTH AFRICA	A	GRADE-304,309,310,318					
16	SEPARATOR & STORAGE TANK	I			ALSTOM	USA	A						
		I			BHEL	TRICHY	A						
		I			GE INDIA	DURGAPUR	A						
		I			DOOSAN	SOUTH KOREA	A						
		I			L&T-MHPS BOILERS PVT LTD	HAZIRA	A						
17	HEADERS AND SUCTION MANIFOLDS	I			ALSTOM	USA	A						
		I			BHEL	TRICHY	A						
		I			GE INDIA	DURGAPUR	A						
		I			DOOSAN	CHENNAI	A						
		I			DOOSAN VINA	VIETNAM	A						
		I			L&T-MHPS BOILERS PVT LTD	HAZIRA	A						
18	SPIRAL WATER WALLS	I			BHEL	TRICHY	A						
		I			GE INDIA	DURGAPUR	A						
		I			ALSTOM	USA	A						
		I			DOOSAN	CHENNAI	A						
		I			DOOSAN VINA	VIETNAM	A						
		I			DOOSAN	SOUTH KOREA	A						
19	TUBULAR PRODUCTS(COILS & PANELS) EXCLUDING SPIRAL WALLS	I			GE INDIA	DURGAPUR	A						
		I			BHEL	TRICHY	A						
		I			ALSTOM	USA	A						
		I			DOOSAN	CHENNAI	A						
		I			DOOSAN VINA	VIETNAM	A						
		I			DOOSAN	SOUTH KOREA	A						
		I			L&T-MHPS BOILERS PVT LTD	HAZIRA	A						
		I			MHI	JAPAN	A						
20	CRITICAL PIPING /PCP(MS, CRH, HRH, FW) AND BOILER PIPING	I			BHEL	TRICHY, THIRUMAYAM	A						
		I			GE INDIA	DURGAPUR	A						
		I			DOOSAN	SOUTH KOREA	A						

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S. N. क्र.सं.	Item/ मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedu le क्यूपी उप अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)		
		I			BHR	GERMANY	A					
		I			DEE DEVELOPMENT	PALWAL	A					
		I			BENTEC	USA	A					
		I			L&T PIPING CENTRE	HAZIRA	A					
		I			SEONGHWA IND CO LTD	SOUTH KOREA	A					
21	MISC HP PIPING EXCLUDING CRITICAL PIPING(CS, AS UP TO GRADE 91)	I			BHEL	TRICHY	A					
		I			GE INDIA	DURGAPUR	A					
		I			DOOSAN	SOUTH KOREA	A					
		I			BHR	GERMANY	A					
		I			DEE DEVELOPMENT	PALWAL	A					
		I			BENTEC	USA	A					
		I			L&T PIPING CENTRE	HAZIRA	A					
		I			SEONGHWA IND CO LTD	SOUTH KOREA	A					
		I			PAL ENGG	YAMUNANAGAR	A					
22	MISC HP PIPING EXCLUDING CRITICAL PIPING(CS, AS UP TO GRADE 22)	I					A		ABOVE MENTIONED PIPING VENDORS ARE ALSO ACCEPTABLE			
		I			ISGEC	YAMUNANAGAR	A		UP TO GRADE 22			
		I			UNITECH MACHINES LTD	SAHARANPUR	A		ONLY FOR CS GRADE			
		I			BEND JOINTS PVT LTD	BHOPAL	A		ONLY FOR CS GRADE			
		I			SEAM INDUSTRIES PVT LTD	NAGPUR	A		ONLY FOR CS GRADE			
		I			S&G	PALWAL	A		CS & AS UP TO GRADE 22 (EXCEPT BOILER PIPING & CRITICAL PIPING)			
		I			FLASH FORGE	VISAKHAPATNA M	A		ONLY FOR CS GRADE			
23	MIXING SPHERES	I			GE INDIA	DURGAPUR	A					
		I			BHEL	TRICHY	A					
		I			ALSTOM	USA	A					
		I			DOOSAN	SOUTH KOREA	A					
24	COAL BURNER ASSY & SOFA/OFA PORT/AA PORT	I			ALSTOM	USA	A					
		I			BHEL	TRICHY	A					
		I			DOOSAN	SOUTH KOREA	A					

एनटीपीसी NTPC		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL					DOC. NO./ दस्तावेज सं.: REVISION NO : 00 DATE/ तिथि : 02.05.2023 SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)		Provenness Clause (Refer Note-1)
		Package/ पैकेज: EPC PACKAGES					AND SUB-SUPPLIER APPROVAL							
		Supplier/ आपूर्तिकर्ता:					स्वालिटी प्लान तथा सब -वेयर के अनुमोदन सहित मदों की सूची							
		Contract No./ अनुबंध सं.:												
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No./ क्यूपी. सं.	QP Sub. Schedule क्यूपी उप-अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी					
		I			L&T-MHPS PVT LTD	HAZIRA	A							
		I			DEE DEE ENGINEERING ENTERPRISES	TRICHY	A							
25	AIR COOLED OIL GUN ASSEMBLY	I			BHEL	TRICHY	A							
		I			SIGMA POWER	TRICHY	A							
		I			DOOSAN	SOUTH KOREA	A							
26	HFO/LFO PUMPS													
		I			ALEKTON	CHENNAI	A							
		I			UT PUMPS	FARIDABAD	A							
		I			ROTO PUMPS LTD.	GREATER NOIDA	A							
		I			ALLWEILER INDIA PVT.LTD.	GERMANY	A							
		I			BOURMANN	GERMANY	A							
		I			TUSHACO PUMPS PVT LTD/ALLWEILER INDIA PVT.LTD.	DAMAN	A							
		I			LEISTRITZ PUMPEN GmbH	GERMANY	A							
		I			KRAL	AUSTRIA	A							
27	SOOT BLOWERS(LRSB, WALL DESLAGGER, ROTARY BLOWER, TEMP PROBE)	I			BHEL	TRICHY	A							
		I			CLYDE BERGMANN	NOIDA	A		UNDER THE SUPERVISION OF M/S CLYDE BERGMANN, GERMANY					
		I			CLYDE BERGEMANN	GERMANY	A							
		I			DIAMOND POWER SPECIALITY LTD	SCOTLAND	A							
		I			DAIEYOUNG MACHINERY	KOREA	A							
28	ELECTRIC HOIST WITH TROLLEY, UNDERSLUNG CRANE	I					A		MAIN BOIS E.G. HOOK, MOTORS AND CRITICAL C&I ITEMS TO BE FROM NTPC APPROVED SOURCES					
		I			CONSOLIDATED HOISTS	SATARA	A		EOT CRANES UPTO 40 MT & HOISTS ABOVE 35 MT					
		I			REWA INDUSTRIES	FARIDABAD	A		EOT CRANES UPTO 25 MT					
		I			GRIP ENGINEERS	HYDERABAD	A		HOIST UPTO 40 MT					
		I			POWER BUILD PVT LTD,	V V NAGAR	A		HOIST UPTO 10 MT					
		I			UNIVERSAL HOIST	THANE	A		HOIST UPTO 20 MT					
		I			ARMSEL MHE PVT LTD	BANGALORE	A		UP TO 20 MT					

एनडीसीटी NTPC		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL स्वालिटी प्लान तथा सब –सुप्लायर के अनुमोदन सहित मदों की सूची					DOC. NO./ दस्तावेज सं.:	
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		I			ANUPAM INDUSTRIES	VITHAL, UDYOGNAGAR	A		EOT CRANES UPTO 50 MT				
		I			TRACTOR TRIFOR	FARIDABAD	A		HOIST UPTO 35 MT				
		I			CONSOLIDATED HOISTS	PUNE	A		HOISTS UPTO 20 MT				
		I			DYNAMTECH CRANES	THANE , MUMBAI	A		UP TO 20 MT				
		I			HERCULES HOIST LTD.	MUMBAI	A		HOIST UPTO 30 MT				
		I			NAMSUNG MACHINERY	SOUTH KOREA	A		UP TO 25 MT				
		I			CENTURY CRANES	PALWAL	A		EOT CRANES UP TO 30 MT				
		I			MUKUND	PUNE	A						
		I			Mangla Hoist	India (Greater Noida)	A		UPTO 10 MT				
29	LP CONDENSATE PUMP	I			ITT GOULD	USA	A						
		I			FLOW SERVE	USA	A						
		I			SULZER	NAVIMUMBAI	A						
		I			CLYDE PUMPS	GHAZIABAD	A						
		I			PUMPSENSE FLUID ENGG. PVT. LTD	HOWRAH	A						
30	SCANNER AIR FAN	I			ANDREW YULE CO. LTD	NADIA	A						
		I			ACCEL	AHMEDABAD	A						
		I			PATEL AIRTEMP (I) LTD	GANDHINAGAR	A						
		I			BHEL	RANIPET	A						
		I			CB DOCTOR(IMM)	AHMEDABAD	A						
		I			AIROCHEM ENGINEERING COMPANY	KOLHAPUR	A						
		I			FLAKEWOOD INDIA	CHENNAI	A						
		I			TLT ENGG. PVT. LTD.,	MEHSANA	A						
31	SEAL AIR FAN	I			CB DOCTOR & CO.	AHMEDABAD	A						
		I			ACCEL	AHMEDABAD	A						
		I			TLT INDIA PVT. LTD.,	MEHSANA	A						
		I			PATEL AIRTEMP (I) LTD.,	GANDHINAGAR	A						
		I			BHEL	RANIPET	A						
		I			ANDREW YULE CO. LTD.,	KALYANI NADIA	A						
		I			FLAKTWOOD	SWEDEN	A						
		I			FLAKEWOOD INDIA	CHENNAI	A						
		I			DRAFT AIR/CHICAGO BLOWERS	AHMEDABAD	A						
		I			REITZ INDIA	CHENNAI	A						

एनटीपीसी NTPC Item / मद		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL स्वालिटी प्लान तथा सब -वेयर के अनुमोदन सहित मदों की सूची				DOC. NO./ दस्तावेज सं.:	
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		Supplier/ आपूर्तिकर्ता:										
S. N. क्र.सं.	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No./ क्यूपी. सं.	QP Sub. Schedu le क्यूपी उप. अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)				
		I			Howden Solyvent (India) Pvt. Ltd	Kanchipuram	A					
		I			NADI AIR TECH P LTD	CHENNAI	A					
32	FURNACE MAINTENANCE PLATFORM(SKY CLIMBER)	I			NY SKYMAN INT. SA	BELGIUM	A					
		I			NV SKCLIMBER EUROPE SA	BELGIUM	A					
		I			DAEO PRECISION IND CO LTD	SOUTH KOREA	A					
33	QUICK ERECT FURNACE SCAFFOLDING	II			BSL	UK	A					
		II			INSTANT UPRIGHT	IRELAND	A					
		II			EASTMAN IMPEX	LUDHIANA	A		CARBON STEEL SCAFFOLDING			
		II			BSL	HARIDWAR	A					
		II			ARUFASE	SPAIN	A					
34	METALLIC EXPANSION JOINT FOR DUCTS	I			FLEXATHERM EXPANLLOW PVT LTD	VADODARA	A					
		I			FLEXICAN BELLOWS & HOSES PVT LTD	VADODARA	A					
		I			KAY ENGINEERING WORKS	TRICHY	A		MANUFACTURE OF STRAIGHT PIECES ONLY (CORNER PIECES FROM NTPC APPROVED SOURCES.)			
		I			RAVI STRUCTURALS	TRICHY	A		MANUFACTURE OF STRAIGHT PIECES ONLY (CORNER PIECES FROM NTPC APPROVED SOURCES.)			
		I			MARUTI FABRICATORS	TANJORE	A		MANUFACTURE OF STRAIGHT PIECES ONLY (CORNER PIECES FROM NTPC APPROVED SOURCES.)			
		I			K B TECHNOLOGIES	TRICHY	A		MANUFACTURE OF STRAIGHT PIECES ONLY (CORNER PIECES FROM NTPC APPROVED SOURCES.)			
		I			AURORA SHAPERS	TRICHY	A		MANUFACTURE OF STRAIGHT PIECES ONLY (CORNER PIECES FROM NTPC APPROVED SOURCES.)			

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S. N. क्र.सं.	Item/ मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No./ क्यूपी. सं.	QP Sub. Schedule ले क्यूपी उप अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)			
		I			FLEXICAN DURGA FAB(P) LTD	TRICHY	A		MANUFACTURE OF STRAIGHT PIECES ONLY (CORNER PIECES FROM NTPC APPROVED SOURCES.)				
		I			SRI DURGA STRUCTURALS	TRICHY	A		MANUFACTURE OF STRAIGHT PIECES ONLY (CORNER PIECES FROM NTPC APPROVED SOURCES.)				
		I			REGIONAL ENGINEERING ENTERPRISES	TRICHY	A		MANUFACTURE OF STRAIGHT PIECES ONLY (CORNER PIECES FROM NTPC APPROVED SOURCES.)				
		I			SRI RANGA INDUSTRIES	TANJORE	A		MANUFACTURE OF STRAIGHT PIECES ONLY (CORNER PIECES FROM NTPC APPROVED SOURCES.)				
		I			ANNAI VAILANKANNI ENGINEERING INDUSTRIES	TANJORE	A		MANUFACTURE OF STRAIGHT PIECES ONLY (CORNER PIECES FROM NTPC APPROVED SOURCES.)				
		I			ANNAI VAILANKANNI FABRICATORS UNIT-II	TANJORE	A		MANUFACTURE OF STRAIGHT PIECES ONLY (CORNER PIECES FROM NTPC APPROVED SOURCES.)				
		I			ANNAI VAILANKANNI FABRICATORS UNIT-II	TRICHY	A		MANUFACTURE OF STRAIGHT PIECES ONLY (CORNER PIECES FROM NTPC APPROVED SOURCES.)				
		I			MECHWELL INDUSTRIES	NASHIK	A						
35	METALLIC EXPANSION JOINT FOR PIPES	I			METALLIC BELLOWS	CHENNAI	A		UP TO 2200 NB				
		I			LONESTAR	CHENNAI	A		UP TO 2200 NB				
		I			FLEXICON BELLOWS & HOSES	VADODARA	A		UP TO 2200 NB				
		I			FLEXATHERM EXPANLOW PVT LTD	VADODARA	A		UPTO 2000 NB				
36	LIGHT BONDED MINERAL WOOL	II			PUNJSTAR INSULATION FIBRE COMPANY	BHILAI	A						
		II			SHREERAM EQUITECH	DURG	A						
		II			GOENKA ROCKWOOL (INDIA) LTD	RAIPUR	A						
		II			LLOYDS INSULATION	BHILAI	A						

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		Supplier/ आपूर्तिकर्ता:										SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)					
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S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No./ क्यूपी. सं.	QP Sub. Schedu le क्यूपी उप अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)							
		II			THERMOCARE ROCKWOOL PVT LTD	RAJNANDGAON	A										
		II			MINWOOL ROCK FIBRES LTD	RAJNANDGAON	A										
		II			LAPINUS ROCKWOOL LTD	GWALIOR	A										
		II			ROCKWOOL INDIA	MEDAK AP	A										
		II			DHANBAD ROCKWOOL INSULATION PVT LTD	DHANBAD	A										
		II			MINSULATE MFG CO.LTD	JAMSHEDPUR	A										
		II			POLYBOND PROJECTS PVT LTD	DURG	A										
		II			HI-TECH ROCK FIBRE LTD	RAJNANDGAON	A										
		II			ROCKWOOL INDUSTRIES	BHILAI	A										
		II			JAMSHEDPUR MINERAL WOOL	JAMSHEDPUR	A										
		II			ROXUL ROCKWOOL	DAHEJ	A										
37	CLH & VLH	I			BHEL	TRICHY	A										
		I			MID AMERICA	USA	A										
		I			MANNESMANN	GERMANY	A										
		I			ITT	GERMANY	A										
		I			PIPE SUPPORTS	UK / THAILAND	A										
		I			UNISON	SOUTH KOREA	A										
		I			PIPE HANGER SUPPORTS PVT LTD	TANJAVORE	A										
		I			GILLARDINI	ITALY	A										
		I			LISEGA	GERMANY	A										
		I			WOOKWANG	SOUTH KOREA	A										
		I			BERGEN PIPE SUPPORTS INDIA	CHITTOR	A		CLH UP TO C8-32 RANGE(MAXIMUM LOAD 39.70T). IN CASE OF CLH BEYOND THE RANGE OF C7-27(OF SUPPLIER CATALOGUE) THE SAME SHALL BE SOURCED FROM M/S PIPE SUPPORTS, UK/THAILAND.								
		I			SANWA TAKI	JAPAN	A										
		I			MH	SPAIN	A										
		I			BROWICK	UK	A										
		I			CARPENTER PATTERSON	UK	A										

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		I			CARPENTER PATTERSON INDIA PVT LTD	VELLORE	A			MAXIMUM LOAD: 23877 KG AND MAXIMUM DISPLACEMENT: 220 MM AND UNDER THE SUPERVISION OF M/S CARPENTER PATERSON, UK.			
		I			AAA SUPPORTS PVT LTD	VADODARA	A			MAXIMUM LOAD: 1.5MT AND MAXIMUM DISPLACEMENT: 250MM			
		I			CARPENTER & PATTERSON	RANIPET	A			SUBJECT TO CONDITIONS AND THE INVOLVEMENT OF THEIR PRINCIPALS			
38	CONVENTIONAL VALVES (GATE, GLOBE & CHECK)	I			VELAN INC.	CANADA	A			SINGLE STAGE DRAIN VALVES (FORGED), SIZE UPTO 50MM NB, CLASS UPTO 2680 FOR POWER CYCLE PIPING APPLICATION.			
		I			LEADER VALVES LTD.	JALANDHAR	A			CC NRV UP NB 800, 150# FOR STG PKG.			
		I			BHEL	TRICHY	A						
		I			CRESCENT VALVES	MUMBAI	A			UPTO NB 300 CL 600			
		I			VELAND VALVE CORP.	USA	A			GATE V/V 2-34" CL 900-4500 CAST STEEL GATE V/V 18-48" CH50-800			
		I			VELAN	UK	A			1) GLOBE V/V 1/4"-2" C14500 (2) BONNETLESS GLOBE V/V 1/2-2.5" CI 150-500)			
		I			L&T VALVES	COIMBATORE	A			UP TO CLASS 4500 & GRADE 91			
		I			TRILLIUM FLOW	HUBLI	A			UPTO NB 300 & CL-600, FORGED UPTO NB 50 CL 800			
		I			FOURESS ENGG. INDIA LTD.,	THANE	A			(1) 10"X600 # GATE/GLOBE/CHECK VALVES (2) 16"X300# GATE/GLOBE/CHECK VALVES (3) 24"X150# GATE/GLOBE/CHECK VALVE (4) 2"X800 # FS GATE/GLOBE/CHECK (LIST) AS PER BS5352 (B) GATE GLOBE/CHECK VALVES FOR 700# TO 1500#			
		I			NITTON VALVES INDIA PVT. LTD.,	AURANGABAD	A			(1) GATE VALVE: UPTO36" CLASS 600 WCB/WCC (2) GLUBE VALVE: UPTO 16" CLASS 300 WCB/WCC (3) CHECK VALVE : UPTO 12" CLASS 600 WCB/WCC & WC6			

एनटीपीसी NTPC		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW) Package/ पैकेज: EPC PACKAGES Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:										LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL स्वालिटी प्लान तथा सब -सप्लायर के अनुमोदन सहित मदों की सूची			DOC. NO./ दस्तावेज सं.: REVISION NO : 00 DATE/ तिथि : 02.05.2023 SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
		S. N. क्र.सं.	Item/ मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No./ क्यूपी. सं.	QP Sub. Schedu le क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)				
		I				SAMSHIN LTD.,	SOUTH KOREA	A		(1) GATE - 450 NB 3900 SPL CL SA 217 C12A (GR 91) (2) GLOBE (CAST) - 200 NB 3900 SPL, CL FOR SA 217C12 (G 91) (3) GLOBE (FORGED GR 92) - 50 NB 4500 CL GR SA182 F 92 (4) CHECK (CAST) - 200 NB 3500 SPL CL FOR SA 217C12A (GR91) (5) CHECK (FORGED GR 92) - 50 NB 4500 CL GR SA 182 F 92 (5) ANGLE (FORGED80 NB)						
		I				TOA VALVE ENGINEERING INC.	JAPAN	A		CONVENTIONAL VALVES (1) GATE VALVES UPTO SIZE 16", CLASS 4500 UPTO C12A/F91 (2) GATE VALVES UPTO SIZE 26" CLASS 2500 UPTO C12A (3) CHECK VALVES UPTO SIZE 14" CLASS 2500 UPTO C12A (4) GLOBE VALVES UPTO SIZE 3" CLASS 4500 UPTO C12A (5) GLOBE VALVES UPTO SIZE 10" CLASS 1500 & 4" CLASS 2500 UPTO F91						
		I				FOURESS ENGG. INDIA LTD.	THANE	A		(1) 10"X600 # GATE/GLOBE/CHECK VALVES (2) 16"X300# GATE/GLOBE/CHECK VALVES (3) 24"X150# GATE/GLOBE/CHECK VALVE (4) 2"X800 # FS GATE/GLOBE/CHECK (LIST) AS PER BS5352 (B) GATE GLOBE/CHECK VALVES FOR 700# TO 1500#						
		I				BABCOCK VALVES	SPAIN	A		(1)CAST GATE VALVE (CS) VALVE CLASS UPTO 2500SPL & SIZE UPTO 10" (2)CAST GLOBE VALVE (CS) CLASS UPTO 2500SPL & SIZE UPTO 3 INCH (3) FORGED GLOBE VALVE (CS) CLASS UPTO 1500 & SIZE UPTO 1" (4) FORGED GLOBE VALVE (CS) CLASS UPTO TO 800 & SIZE UPTO 1.5"						

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		Package/ पैकेज: EPC PACKAGES										REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:										DATE/ तिथि : 02.05.2023	
		Contract No./ अनुबंध सं.:										SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
S. N. क्र.सं.	Item/ मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No./ क्यूपी. सं.	QP Sub. Schedu le क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)			
		I			FORBES MARSHALL PVT LTD	PUNE	A		CONVENTIONAL VALVES :CAST GATE VALVE (CS) CLASS UP TO 2500SPL & SIZE UP TO 10 INCH CAST GLOBE VALVE (CS) CLASS UP TO 2500SPL & SIZE UP TO 3 INCH				
		I			BABCOCK WILCOX ESPANOLA	SPAIN	A		CONVENTIONAL VALVES -CAST GATE VALVE (CS) CLASS UP TO 2500SPL & SIZE UP TO 10 INCH CAST GLOBE VALVE (CS) CLASS UP TO 2500SPL & SIZE UP TO 3 INCH				
		I			HP VALVES OLDENZAAL B V	NETHERLAND	A		CONVENTIONAL VALVES -CAST GATE VALVE (CS) CLASS UP TO 2500SPL & SIZE UP TO 10 INCH CAST GLOBE VALVE (CS) CLASS UP TO 2500SPL & SIZE UP TO 3 INCH				
		I			Arma Industrial Products Pvt. Ltd.	MADURAI	A		REFER APPROVAL CONDITION				
39	SAFETY VALVES(SPRING TYPE)	I			DRESSER INDUSTRIES	USA	A						
		I			SAMPELL AG	GERMANY	A						
		I			TYCO (PENTAIR VALVES & CONTROLS	USA	A						
		I			FUKUI SEISAKUSHO CO LTD	JAPAN	A						
		I			RIENEKE GMBH	GERMANY	A		HYDRAULIC TYPE				
		I			BOPP & REUTHER	GERMANY	A		HYDRAULIC TYPE				
		I			MIWA CORPORATION	JAPAN	A		(1) SAFETY VALVE SIZE 1/2" TO 6" & 150 TO 4500 CLASS				
		I			BHEL	TRICHY	A						
		I			PENTAIR SANMAR LTD	PUDUKOTTAI	A		AUX STEAM SYSTEM: UP TO 6" SIZE AND CLASS UP TO 600				
		I			FAINGER LESER VALVES P LTD	AURANGABAD	A		SIZE(INELT/OUTLET): 200/300 MM APPLICABLE TO MAX DESIGN TEMPERATURE:474 DEG C & PRESSURE:47 KG				
40	ELECTROMATIC RELIEF VALVE (ERV)	I			VALVES TECHNOLOGIES	USA	A		(A) 1.5"X3" CLASS 3100- F91 MATERIAL (B) 2.5"X4", CLASS 1500-F91 MATERIAL				
		I			FUKUI SEISAKUSHO CO LTD	JAPAN	A						

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		Supplier/ आपूर्तिकर्ता:										DATE/ तिथि : 02.05.2023	
												SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
S. N. क्र.सं.	Item/ मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedu le क्यूपी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची		Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)		
		I			SAMPELL AG	GERMANY	A						
		I			DRESSER INDUSTRIES	USA	A						
		I			MIEWA CORPORATION	JAPAN	A			SIZE UPTO 65MM & UPTO 4500 CLASS			
41	PLUG VALVE	I			FLOW SERVE INDIA CONTROLS	KANCHIPURAM	A						
		I			3Z CORP.	SOUTH KOREA	A			SIZE: 25 TO 300 MM, CLASS 150 & 300			
		I			HAWA VALVES	MUMBAI	A			UP TO 10" SIZE AND 300 CLASS			
42	BOILER STRUCTURE & FABRICATION ITEMS(MAIN & AUX COLUMNS, CEILING GIRDERS, BUILT-UP BEAMS, BRACINGS & BUCKSTAY), COAL BUNKER	I			M/S. BHEL	TIRUCHIRAPALLI	A			MAIN & AUX COLUMNS, CEILING GIRDERS, BUILT-UP BEAMS			
		I			CAPACITE	WADA, PALGHAR	A			(WELDED & BOLTED TYPE)BOILER PRIMARY STRUCTURES (CEILING GIRDER, MAIN COLUMNS, AUX. COLUMN, BOXES, BUCKSTAY, BRACING, MILL BAY STRUCTURE APH SUPPORT STRUCTURE ETC.)			
		I			SALEM AUTOMECH (INDIA) PVT. LTD.,	SALEM	A			BOILER STRUCTURES, I.E. CEILING GIRDER			
		I			DIAMOND ENGINEERING (CHENNAI) PVT LTD., CHENNAI	KANCHIPURAM	A			FABRICATION OF BOILER STRUCTURES -AWB UNIT-2 FABRICATION OF BOILER STRUCTURES-CEILINER GIRDER, AWB, COLUMNS ETC. - BOILER STURCTURES-FABRICATION, TRIAL ASSEMBLY, BLASTING(AWB, COLUMNS, CEILING GIRDER ETC.)			
		I			SALEM AUTOMECH UNIT-I & UNIT-II	SALEM	A			CEILING GIRDERS			
		I			QUALITY ENGG.WORKS	TRICHY	A			CEILING GIRDERS			
		I			INDOFAB	TRICHY	A			CEILING GIRDERS			
		I			SANTHI ENGG. UNIT-II	PUDUKKUDI	A			CEILING GIRDERS			
		I			MASTERFAB UNIT-II	DEVARAYANERI	A			CEILING GIRDERS			

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		I			ARCEOR MITTAL DHAMM PROCESSING PVT LTD	RANIPET	A			(WELDED & BOLTED TYPE)BOILER PRIMARY STRUCTURES (WITHOUT CEILING GIRDER) I.E.MAIN COLUMNS, AUX. COLUMN, BOXES, BUCKSTAY, BRACINGS, MILL BAY STRUCTURE, APH SUPPORT STRUCTURE ETC.)						
		I			JSW SEVERFIELD STRUCTURES LTD	BELLARY	A			(WELDED & BOLTED TYPE) BOILER PRIMARY STRUCTURES (WITH OUT CEILING GIRDER) I.E. MAIN COLUMNS, AUX. COLUMN, BOXES, BUCKSTAY, BRACINGS, MILL BAY STRUCTURE, APH SUPPORT STRUCTURE ETC.)						
		I			ATMASTCO (P) LTD	DURG	A			(WELDED & BOLTED TYPE) BOILER PRIMARY STRUCTURES (WITHOUT CEILING GIRDER) I.E.MAIN COLUMNS, AUX. COLUMN, BOXES, BUCKSTAY, BRACINGS, MILL BAY STRUCTURE, APH SUPPORT STRUCTURE ETC. DUCTS)						
		I			ANG INDUSTRIES	SITARGANJ	A			FABRICATION AND SUPPLY WELDED TYPE BOILER STRUCTURES I.E. MAIN COLUMNS (PLUS AND BOX), AUTO WELDED BEAMS AND BRACINGS.						
		I			INDIANA GRATINGS PVT LTD	PURANDAR	A			FACTORY FABRICATED CIVIL STRUCTURE POWER HOUSE (TG BUILDING) STRUCTURAL ITEM (MAX SINGLE PIECE SIZE UPTO 15MT) (WELDED & BOLTED TYPE)						
		I			ESSAR HEAVY ENGINEERING SERVICES, (A UNIT OF ESSAR PROJECTS INDIA LTD)	SURAT	A			FABRICATION AND SUPPLY OF BUCKSTAYS						
		I			SIMPLEX ENGINEERING & FOUNDRY WORKS PVT LTD	BHILAI	A			(WELDED & BOLTED TYPE) BOILER PRIMARY STRUCTURES (WITH OUT CEILING GIRDER) I.E. MAIN COLUMNS, AUX. COLUMN, BOXES, BUCKSTAY, BRACINGS, MILL BAY STRUCTURE, AP						

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		I			SIMPLEX ENGG & FOUNDRY WORKS	UNIT 2, BHILAI	A		CEILING GIRDERS									
		I			SEAM INDUSTRIES LIMITED	NAGPUR	A		WELDED STRUCTURE UPTO 15T.FABRICATION AND SUPPLY OF BUNKERS & BUNKER STRUCTURES, BUCKSTAYS AND DUCTS.									
		I			SHIVAM HITECH STEELS PVT. LTD	BHILAI	A		HORIZONTAL BRACE/CIRCULAR HOLLOW SECTION ,BUCKSTAY ,DUCTS									
		I			ENESTEE ENGINEERING LTD.,	NAGPUR	A		FABRICATION & SUPPLY OF BUNKERS & BUNKER STRUCTURES ,BUCKSTAY ,DUCTS									
		I			SSV ENGINEERS PVT. LTD.,	PUNE	A		COAL SILOS, BUCKSTAY, DUCTS									
		I			ALLIANCE INTEGRATED METALIKS LTD.,	RAJPURA	A		BOILER PRIMARY STRUCTURES (EXCLUDING CEILING GIRDER)									
		I			TECHNOFAB MANUFACTURING LTD.	CHENNAI	A		FABRICATION AND SUPPLY OF BUNKER, BUNKER STRUCTURE, TPs & CONVEYER GALLERIES,DUCTS									
		I			BABY ENGINEERING PVT. LTD.,	THUVAKUDI	A		BOILER PRIMARY STRUCTURES (EXCLUDING CEILING GIRDER) (WELDED & BOLTED TYPE)									
		I			COREFAB PROJECTS PVT LTD.,	BHILAI	A		FABRICATION & SUPPLY OF BOILER PRIMARY STRUCTURES - MAIN & AUX. COLUMNS, BUILT UP BEAM, BUCKSTAYS, BRACINGS, MILL BAY STRUCTURE AND APH SUPPORT STRUCTURE (EXCLUDING CEILING GIRDERS),DUCTS (WELDED & BOLTED TYPE)									
		I			MIURA INFRASTRUCTURE PVT. LTD	BHILAI-	A		BOILER PRIMARY STRUCTURE - MAIN & AUX. COLUMNS, BUILT UP BEAMS, BOXES, BUCKSTAY, BRACINGS, MILL BAY STRUCTURE, APH SUPPORT STRUCTURE (EXCLUDING CEILING GIRDERS) UPTO MAXIMUM SINGLE PIECE WEIGHT OF 30 MT (WELDED & BOLTED TYPE)									

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		I			METALFAB HIGHTECH PVT LTD.	NAGPUR	A		FABRICATION AND SUPPLY OF BUCKSTAYS ,DUCTS,(WELDED & BOLTED TYPE), COAL BUNKER			
		I			WHEELS INDJA LTD.	WARDHA	A		MANUFACTURING OF WELDED TYPE STRUCTURES I.E. AUTOWELDED BEAMS BRACING AND COLUMNS (UPTO 15T) .BUCKSTAY,DUCTS(WELDED & BOLTED TYPE)			
		I			NOVOTECH PROJECTS (I) PVT LTD	KOLKATA	A		BUNKER STRUCTURE, TPS & TRESTLES			
		I			JINDAL STEEL & POWER LTD. (JSPL)	RAIGARH	A		PRIMARY STRUCTURE & CEILING GIRDER (WELDED & BOLTED TYPE)			
		I			AJANTHA FABRICATOR WORKSUNIT-II	PUDUKKOTTAI	A		BOILER PRIMARY STRUCTURES- COLUMNS, BEAMS, BRACINGS AND CEILING GIRDERS (WELDED & BOLTED TYPE)			
		I			FEEDERS LLOYDS	SIKANDRABAD	A		PRIMARY STRUCTURE - MAIN COLUMNS, AUX COLUMNS, BUILT UP BEAMS, BOXES, BUCKSTAY (WELDED & BOLTED TYPE)			
		I			L&T HEAVY FORGING & SPECIAL STEEL	HAZIRA	A		CEILING GIRDER			
		I			VASAN INDUSTRIES	PUDUKKOTTAI	A		BOILER PRIMARY STRUCTURES(WELDED AND BOLTED TYPE)			
		I			REGIONAL ENGINEERING WORKS	THUVVAKKUDY	A		BOILER PRIMARY STRUCTURE(WELDED AND BOLTED TYPE)			
		I			VRINDA ENGINEERS	PANAGARH, WB	A		COAL BUNKERS			
		I			GREAT INDIA FABRICATORS	YAMUNANAGAR	A		BOILER PRIMARY STRUCTURES EXCLUDING CEILING GIRDER(WELDED AND BOLTED TYPE), LIMITATIONS AS PER APPROVAL CONDITIONS			
		I			Goodluck Steel Tubes	Sikenderabad	A		Buckstay			
		I			GEW	Sikenderabad	A		Buckstay			
		I			JSPL	Angul	A		Boiler Primary Structure (Excluding Ceiling Girder)			
		I			L&T Limited ECC Workshop	Kanchheepuram	A		Boiler Primary Structure (Excluding Ceiling Girder)			

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		I			JSPL	Raipur	A		Primary Structure -Ceiling Girder -Sub to approval condition				
		I			Steel Infra Solutions Private Limited(SISCOL)	Bhilai	A		Boiler Primary Structure (Excluding Ceiling Girder) and column directly supporting ceiling girders-Sub to approval condition				
43	ELECTRO FORGED GRATINGS	II			INDIANA GRATINGS PVT. LTD	PUNE	A						
		II			KARDEANAND UDYOG	PUNE	A						
		II			PREMIER POWER PRODUCTS LTD	HOWRAH	A						
		II			BHOLA RAM STEEL PVT. LTD	PATNA	A						
		II			PINAX STEEL INDUSTRIES PVT LTD	PATNA	A						
		II			GREATWELD STEEL GRATING PVT. LTD	PUNE	A						
		II			VIN FAB ENGG. PVT LTD.,	MUMBAI	A						
		II			Ratan Project & Engineering	Howrah	A						
44	TANKS & VESSELS(IBD, CBD, FLASH TANK ETC)	I			KPHE	SOUTH KOREA	A						
		I			SV TANKS & VESSELS	MUMBAI	A						
		I			PROGEN SYS TECH LTD	CHENNAI	A		UP TO 4 KSC PR				
		I			FAB TECH	PUNE	A						
		I			UNITECH MACHINES LTD	SAHARANPUR	A		UP TO 10 KSC PR				
		I			SEAM IND P LTD	NAGPUR	A		UP TO 10 KSC PR				
		I			SHAKTI HI TECH CONST PVT LTD	CHENNAI	A		UP TO 10 KSC PR				
		I			SOUTHERN HEAVY ENGG & FAB PVT LTD	CHENNAI	A		UP TO 10 KSC PR				
		I			ALTECH INFRASTRUCTURE(I) PVT LTD	ALWAR	A		UP TO 16 KSC PR				
		I			SEAM INDUSTRIES PVT LTD	NAGPUR	A		UP TO 16 KSC PR				
45	SOOT BLOWER PRESSURE REDUCING VALVES & BLOCK	I			REFER QA C&I LIST		A						
46	FITTINGS(GRADE 91/92)	I			PETROL RACCORD SPA	ITALY	A		FORMED AND FORGED FITTINGS 91/92 GRADE				

S. N. क्र.सं.	Item / मद	Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW) Package/ पैकेज: EPC PACKAGES Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL स्वालिटी प्लान तथा सब-वेंडर के अनुमोदन सहित मदों की सूची				DOC. NO./ दस्तावेज सं.: REVISION NO : 00 DATE/ तिथि : 02.05.2023 SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
		QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No./ क्यूपी. सं.	QP Sub. Schedu le क्यूपी उप. अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)		
		I			BOKOYOUNG METAL CO.	SOUTH KOREA	A		FORGED FITTINGS AS PER SA-182 F92 GRADE (REDUCERS, NOZZLE, HALF COUPLING ETC.)			
		I			TF TECH CO. LTD	SOUTH KOREA	A		FORGED FITTINGS AS PER SA-182 F92 GRADE (REDUCERS, NOZZLE, HALF COUPLING ETC.)			
		I			FLASH FORGE	VIZAG	A		P91 FORMED/FORGED UPTO DIA 273MM & THICK 30MM			
		I			BGH EDELSTAHL SIEGEN GMBH	GERMANY	A		MANUFACTURE AND SUPPLY OF FORGED FITTINGS OF CS, AS AND SS GRADES			
		I			ERNE FITTINGS GMBH	AUSTRIA	A		P-91 FORMED			
		I			GAM RACCORDI SPA	ITALY	A		P-91 FORMED			
		I			TECHNO FORGE SPA	ITALY	A		P-91 FORMED			
		I			MEGA SPA	ITALY	A		92 GRADE FITTINGS (FORGED)			
		I			BASSI LLUIGI SPA	ITALY	A		P-91 FORGED/WELDED			
		I			IBF SPA	ITALY	A		FORMED AND FORGED FITTINGS/P92 GRADE			
		I			ALLIED INT. (TACTUBI RACCORDI SPA, VIA ROMA 150, 29027 PODENZANO)	ITALY	A		P-91 FORMED			
		I			BRUCK STRASSE 16 ENSHEIM	GERMANY	A		P-91 FORGED/WELDED			
		I			SUNGKWANG BEND CO. LTD.,	SOUTH KOREA	A		FITTINGS OF P91 AND OF MTERIAL OTHER THAN P91 OF BOILER			
		I			TK CORPN. FORGITAL	S KOREA	A		FORMED FITTINGS (ELBOW, TEES, REDUCERS ETC.) OF 92 GRADE.			
		I			FORGITAL	ITALY	A		MANUFACTURING AND SUPPLY OF GRADE 91 FORTGINGS (HOLLOW FORGINGS/MATCHING PIECES WITH 508MM DIA X 75MM THICKNESS STUBS WITH OD 245MM.			
		I			DEE DEVELOPMENT	PALWAL	A		GRADE 91 WITH SIZE/TYPE LIMITATIONS			
		I			CHW FORGE	GHAZIABAD	A		GRADE 92 WITH SIZE/TYPE LIMITATIONS			
		I			FORGIATURA MORANDINI SRL	ITALY	A		GRADE 92 FORGED FITTINGS/REDUCERS, TEES & Y-PIECES)			

एनटीपीसी NTPC		Project/ परियोजना :SIPAT SUPER THERMAL POWER PROJECT STAGE - III (1X800MW) Package/ पैकेज: EPC PACKAGES Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL स्वालिटी प्लान तथा सब -सप्लायर के अनुमोदन सहित मदों की सूची					DOC. NO./ दस्तावेज सं.: REVISION NO : 00 DATE/ तिथि : 02.05.2023 SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)		Provenness Clause (Refer Note-1)	
S. N. क्र.सं.	Item/ मद	QP/ Insp. Cat. क्यू.पी./ निरी. श्रेणी.	QP No. / क्यू.पी. सं.	QP Sub. Schedule le क्यू.पी उप.अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी						
		I			BHARAT FORGE, PUNE	PUNE	A		GRADE 92 FORGED FITTINGS(REDUCERS, TEES & Y- PIECES)						
		I			BOKYOUNG METAL CO.LTD	SOUTH KOREA	A		GRADE 92 FORGED FITTINGS(REDUCERS, NOZZLE, HALF COUPLING)						
		I			VIAR SPA	ITALY	A		SEAMLESS FORGED Y-PIECE UP TO GRADE 91						
		I			DEE DEVELOPMENT	PALWAL	A		GRADE 92 WITH SIZE/TYPE LIMITATIONS						
		I			Goodluck Engineering Co.	Dadri	A		Forged Fittings (91/92 grade)						
47	AUX PRDS SYSTEM (INCLUDING CONTROL VALVE)	I			REFER C&I LIST										
48	CHEMICAL DOSING SYSTEM (SKID ASSY) FOR SG SCOPE INCLUDING AUX BOILER	I			POWER PIPING	TRICHY	A								
		I			V K PUMPS	MUMBAI	A								
		I			MILTON ROY	CHENNAI	A								
		I			TECHNO CONSULTANTS	MUMBAI	A								
		I			POSITIVE METERING SYSTEM	NASIK	A								
		I			PSI ENGG SYSTEM	CHENNAI	A								
		I			Priorites Equipments Pvt. Ltd.	Pune	A		LP Chemical Dosing System (NaOH/Ammonia/Hydrazine)						
49	SG CW BOOSTER PUMP/ ECW PUMP	I			KBL	WADI	A								
		I			WPIL LTD	GHAZIABAD	A								
		I			SAM TURBO	COIMBATORE	A								
		I			KSB	PUNE	A								
		I			BEST & CROMPTON ENGG LTD	CHENNAI	A								
		I			JYOTI LTD	BARODA	A								
		I			FLOWMORE	GHAZIABAD	A								
50	COAL BUNKER	I					A		REFER BOILER STRUCTURE LIST						
51	LUBE OIL SYSTEM FOR MILLS	I			LINCOLN HELIOS	BANGALORE	A								
		I			T A HYDRAULICS	HYDERABAD	A								
		I			CENLUB INDUSTRIES	FARIDABAD	A								
		I			BHEL	HYDERABAD	A								

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		Package/ पैकेज: EPC PACKAGES					Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची					REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:										DATE/ तिथि : 02.05.2023	
												SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedu le क्यूपी उप अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Remarks/ टिप्पणी		Provenness Clause (Refer Note-1)			
		I			BIJUR DELIMON INDIA PVT LTD	PUNE	A						
		I			UNIQUE ENGINEERING ENTERPRISE P.LTD	HYDERABAD	A						
		I			SOUTHERN LUB	BANGALORE	A						
52	CERAMIC LINED BEND COAL PIPES	II			BHEL EDN	BANGALORE	A						
		II			BMW	HATHRAS/ROURK EE	A						
		II			CARBORANDUM UNIVERSAL	HOSUR	A						
		II			BHEL IP	JAGDISHPUR	A						
53	KNIFE EDGE GATE VALVES AT MILL OUTLET AND BURNER INLET	II			GALAXY CONTROLS PVT LTD	CHENNAI	A		UP TO SIZE 26"				
		II			ORBINOX INDIA PVT LTD	COIMBATORE	A		UP TO SIZE 30"				
		II			BRAY CONTROLS	CHENNAI	A		UP TO SIZE 28"				
		II			JASH ENGG LTD	INDORE	A		UP TO SIZE 30"				
54	VIS FOR FANS	I			GERB	BANGALORE	A						
55	LOS FOR FD, PA & ID FANS	I			PSI ENGG	CHENNAI	A						
		I			CENLUB	FARIDABAD	A						
		I			LINCOLN HELIOS	BANGALORE	A						
		I			BHEL	RANIPET	A						
		I			SOUTHERN LUBRICATION	BANGALORE	A						
		I			TA HYDRAULICS	HYDERABAD	A						
56	GATES AND DAMPERS	I			BACHMANN	FARIDABAD	A						
		I			FOURESS INDIA	BANGALORE	A						
		I			INDIRA DAMPERS	RANIPET	A						
		I			KAMAL ENGG	YAMUNANAGAR	A						
		I			BACHMANN	CHENNAI	A		GUILLOTINE GATE(2700 MM HEIGHT)				
		I			DAMPER TECHNOLOGY INDIA PVT LTD	COIMBATORE	A						
		I			Flexatherm Expanllow Pvt.Ltd	Block No-400/B, Karjan, Vadodara	A		Gates & Dampers(Flow Area/Cross-sectional area upto 5600mm X 5600mm)				
57	PA Fans	I			Bharat Heavy Electrical Limited	Ranipet	A						
		I			L&T- Howden Private limited	Hazia	A						

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		Package/ पैकेज: EPC PACKAGES										AND SUB-SUPPLIER APPROVAL						
		Supplier/ आपूर्तिकर्ता:										स्वालिटी प्लान तथा सब -वेयर के अनुमोदन सहित मंती की सूची						
		Contract No./ अनुबंध सं.:																
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)								
		I			TLT-Turbo GmbHH	Germany	A											
		I			Howden	Denmark	A											
58	ID Fans	I			Bharat Heavy Electrical Limited	Ranipet	A											
		I			TLT Turbo GmbHH	Germany	A											
		I			L&T Howden Private Limited	Hazira	A											
		I			Howden	Denmark	A											
59	FD Fan	I			Bharat Heavy Electrical Limited	Ranipet	A											
		I			L&T Howden Private Limited	Hazira	A											
		I			TLT-Turbo GmbHH	Germany	A											
		I			Howden	Denmark	A											
60	Coal Pulverisers	I			BHEL	Hyderabad	A											
		I			L&T MHPS Boilers Pvt. Ltd.(LMB) (Incl. Manufacturing Facility of L&T)	Hazira	A											
		I			Loesche Energy system India pvt ltd.	Chennai	A											
		I			Doosan Heavy Industries & Construction Co. Ltd	South Korea	A											
61	Raw Coal Feeders	I			Bharat Heavy Electricals Limited	Trichy	A											
		I			Schenck Process (Stock Redler India Private Limited, India)	Bengaluru	A											
		I			Merrick Industries Pvt. Ltd., India	Bengaluru	A											
		I			Yamato Scale	Japan	A											
		I			FLSmith	Haryana	A											
62	Boiler Start Up Drain Re-Circulation Pump	I			Torishima Pump Mfg Co. Ltd.,	Japan	A											
		I			Hayward Tyler Limited	UK	A											
		I			KSB AG	Germany	A											
63	Air Pre-Heaters	I			Bharat Heavy Electricals Limited	Ranipet	A											
		I			L&T Howden Private Limited	Hazira	A											
		I			Arvos India Pvt.Ltd.	Chennai	A											
64	Auxiliary Boiler	I			ISGEC John Thompson (JIT)	Yamuna Nagar	A											
		I			Thermax Babcock & Wilcox Ltd.	Pune	A											

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		Package/ पैकेज: EPC PACKAGES					Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता				REVISION NO : 00	
		Supplier/ आपूर्तिकर्ता:									DATE/ तिथि : 02.05.2023	
		Contract No./ अनुबंध सं.:									SUB-SYSTEM उप-प्रणाली: QA-SG(MECH)	
S. N. क्र.सं.	Item / मंद	QP/ Insp. Cat. कृपया/ निरी. श्रेणी.	QP No./ कृपया. सं.	QP Sub. Schedu le कृपया उप अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता		Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)	
		I			Bharat Heavy Electricals Limited & BHEL (HVPB)		Trichy, Vizag	A				
65	ESP	I			Bharat Heavy Electricals Limited		Ranipet	A				
		I			Larsen & Toubro Limited		India	A				
		I			GE Power India		India	A				
Main Contractor approved sources												
1	ALUMINIUM CLADDING	III			Main Contractor approved sources							
2	NON IBR PIPING / LP PIPING - PRESSURE UP TO 10 KSC	III			Main Contractor approved sources							
3	CASTABLE REFRACTORY	III			Main Contractor approved sources							
4	POURABLE INSULATION	III			Main Contractor approved sources							
5	STEEL STRUCTURE FOR DUCTS, FURNACE ENCLOSURE, GUIDE, STAIRS & LADDERS, HANDRAILS, PLATFORMS	III			Main Contractor approved sources							
6	SILENCERS	III			Main Contractor approved sources							
7	COAL PIPES & BENDS (WITHOUT CERAMIC LINERS)	III			Main Contractor approved sources							
8	FITTINGS(CS, SS & AS UP TO GRADE 22)	III			Main Contractor approved sources							
9	ELECTRIC HOIST WITH TROLLEY, UNDERSLUNG CRANE < 05 TON CAPACITY	III			Main Contractor approved sources							
10	DUCTS	III			Main Contractor approved sources							
11	AIR RECEIVER TANK	III			Main Contractor approved sources							
12	COUPLING FOR FANS	III			Main Contractor approved sources							
13	SCAPH	III			Main Contractor approved sources							
14	OXYGEN DOSING SYSTEM	III			Main Contractor approved sources							
15	CE & DE SUSPENSION ASSEMBLY WITH RAPPING(MECHANICAL) MECHANISM	III			Main Contractor approved sources							
16	PERFORATED GD PLATE/SCREEN	III			Main Contractor approved sources							
17	ESP SUPPORT STRUCTURE (COLUMNS & ROOF BEAMS MANUFACTURED FROM ROLLED SECTIONS), CASING	III			Main Contractor approved sources							
18	ESP- MECH SAFETY INTERLOCK	III			Main Contractor approved sources							
19	Spray header for FGD	III			Main Contractor approved sources							
20	Mist eliminators for FGD	III			Main Contractor approved sources							

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S. N. क्र.सं.	Item / मर्द	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No./ क्यूपी. सं.	QP Sub. Schedule क्यूपी उप अनु सूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी	Provenness Clause (Refer Note-1)			
21	STEEL STRUCTURE FOR DUCTS, FURNACE ENCLOSURE, GUIDE, STAIRS & LADDERS, HANDRAILS, PLATFORMS	III			Main Contractor approved sources								
22	HANGER & SUPPORTS(OTHER THAN CLH & VLH) RIGID HANGERS	III			Main Contractor approved sources								
23	SNUBBERS	III			Main Contractor approved sources								
24	Oil Preheater & Pressuring Skid	III			Main Contractor approved sources								
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: Predespatch inspection for Alloy/SS Grades needs to be tied up by Main contractor or Third-party inspection agency as required.													
NOTE-4 : (\$) Review of Mill TC for Raw Material to be done by NTPC and shall be included in the QP of corresponding equipment.													
NOTE-5: Raw Material for 91 and above Grade Material Fittings to be from NTPC approved sources as per Raw Material Vendor List.													
NOTE-6:For Motorized/Pneumatic actuated valves the suppliers for actuators shall be from NTPC approved list. Refer NTPC C&I list.													
LEGENDS/ संकेतिका													
SYSTEM SUPPLIER/SUB-SUPPLIER APPROVAL STATUS CATEGORY /प्रणाली आपूर्तिकर्ता / सब -वेंडर की स्वीकृति की श्रेणी (SHALL BE FILLED BY NTPC एनटीपीसी द्वारा भरा जाएगा)													
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 मर्दों के लिए प्रस्तावित वेंडर एनटीपीसी को स्वीकार्य है। अनुमोदन की शर्त, , यदि कोई हो, के साथ-साथ पत्र "क" में इंगित किया जाए ।													
DR – For these items "Detailed required" for NTPC review. To be identified with letter "DR" in the list. एनटीपीसी द्वारा इन मर्दों को समीक्षा के लिए "विस्तृत ब्योरे की आवश्यकता" होगी। सूची में "DR" पत्र में इंगित किया जाना चाहिए।													
QP/INSPN CATEGORY: क्यूपी / निरीक्षण की श्रेणी:													
CAT-I / श्रेणी: I: For these items the Quality Plans are approved by NTPC and the final acceptance will be on physical inspection witness by NTPC. इन मर्दों के लिए गुणवत्ता योजनाओं का एनटीपीसी द्वारा अनुमोदित किया जाता है और एनटीपीसी द्वारा अंतिम स्वीकृति भौतिक निरीक्षण के दौरान उपलब्ध गवाह के आधार पर दी जाएगी।													
CAT-II / श्रेणी: II: For these items the Quality Plans approved by NTPC. However no physical inspection shall be done by NTPC. The final acceptance by NTPC shall be on the basis review of documents as per approved QP. इन मर्दों के लिए गुणवत्ता योजनाओं को एनटीपीसी द्वारा अनुमोदित किया जाता है। हालांकि एनटीपीसी द्वारा कोई भौतिक निरीक्षण नहीं किया जाएगा। एनटीपीसी द्वारा अंतिम स्वीकृति अनुमोदित क्यूपी के अनुसार दस्तावेजों की समीक्षा के आधार पर दी जाएगी।													
CAT-III/ श्रेणी: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.													
UNIT/WORKS इकाईयां / कार्य: Place of manufacturing/ निर्माण का स्थान Place of Main Supplier of multi units/वर्क/बहु- इकाईयां / कार्य के मुख्य सप्लायर का स्थान.													

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Sr No	Item Description	QP Inspection Category	QP No	QP submis sion at SCH	QP approv al SCH	Proposed Sub Supplier	Country	SS Approval_Status	SS Detail Sub.SCH	SS Approval SCH	Remark	Package Applicable	Provenness Clause (Refer Note- I)				
9	LP Forged Blades(Drop) Machining	I				BOHLER	Austria	A									
						PIETRO ROSA	Italy	A									
						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									
						ALSTOM	Switzerland	A									
						AZAD ENGG	Hyderabad	A									
						Zollern	Germany	A									
10	LP Cast Blades(material) & Machining	I				Consolidated Precision Product Formetal (cismocisco)	Belgium	A			Previous Name:ESCO For casting						
						Juergens	Germany	A									
						GE Power Systems	Germany	A									
						IPCL	Bhavnagar	A									
						EXCEL HITECH	Ghaziabad	A					For casting				
						AK ALLOYS	Ahmedabad	A									
11	LP Hollow Blades	I				PTC	Lucknow/ Mehsana	A									
						AMBE ENGG-	Ghaziabad	A				For Machining only					
						Binder	Switzerland	A									
						Prime Hi-Tech Engineering Limited	Naldupet, AP	A									
						LMTG	Hazira	A									
						BHEL (HEEP)	Haridwar	A									
12	LP Inner/Outer casing Fabrication	I				SHARP	Pune	A									
						Shape Engg.	Haridwar	A									
						GE	Croatia/ Shahabad	A									
						D&N	Germany	A									
						KCP	Chennai	A									
						ISGEC(Weight upto 38T)	Yamunanagar	A									
13	LP Inner casing Casting (GGG40)	I				GE Power sp. Z.o.o	Poland	A									
						L&T	Kansbahal	A									
						FWH Friedrich Wilhems-Hue GmbH	Germany	A									
						Heidenheimer Giessen GmbH	Germany	A									
						Pilsen Steel	Czech	A									
						Buderus Spezialguss GmbH	Germany	A									
14	LP Inner/Outer casing Machining	I				LMTG	Hazira	A									
						BHEL (HEEP)	Haridwar	A									
						TJPS	Chennai	A									
						MHPS	Japan	A									
						SHARP	Pune	A									
						LONE STAR	Chennai/ Cheyyar	A									

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				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					
														DATE :02.05.2023	SUB SECTION: QA-TG(MECH)			
							Ebara Yoshikura Hydrotec Ltd.	Japan	A									
22	Jacking Oil Pump	I				Bosch Rexroth	Germany /Switzerland	A										
						Allweiler	Germany	A										
						Leistriz	Germany	A										
						MITTEN MANUFACTURING, INC	USA	A										
						PARKER HANIFIN	Japan	A										
						Allweiler	Daman	A										
23	Oil Purification Unit	I				Facet	Spain	A										
						Pall Corporation	USA	A										
						Alfa Laval	Pune	A										
						Hilliard	USA	A										
						Kaydon Filtration	USA	A										
						Westfalia Separator India Pvt.Ltd	Germany/ Bangalore	A										
24	Duplex Oil Filter With Oil Changeover Valve	I				Rotring	Germany	A										
						Rockfin Group	Poland	A										
						Hydac	Germany	A										
						Boll & Kirch	Germany	A										
						Rockfin	Poland	A										
						BHEL Piping Center	Chennai	A										
25	Turbine Integral Piping	I				Unitech	Saharapur	A										
						Bend Joints	Bhopal	A										
						Pal Engineering	Yamunanagar	A										
						Seonghwa	S Korea	A										
						L&T Piping Center	Hazira	A										
						Dee Development	Baliabgarh	A										
26	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										
27	Thermal Insulation	II				King Dynamics	Switzerland	A										
						Southern Lubrication	Bangalore	A										
						ENPRO	Pune	A										
						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										
						MHI	Japan	A										
						THERMAL ENGG INTERNATIONAL (TEI)	USA	A										
						TJPS	Chennai	A										

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Sr No	Item Description	QP Inspection Category	QP No	QP submis sion SCH	QP approv al SCH	Proposed Sub Supplier	Country	SS Approval_Status	SS Detail Sub.SCH	SS Approval SCH	Remark	Package Applicable	Provenness Clause (Refer Note- I)				
28	Condenser (water cooled) (Sub QR Item)	I				TOSHIBA CORPORATION LTD	Japan	A									
						LMITG	Surat	A									
						BHEL	Hardwar	A									
						ABFPL	Sanand	A									
						GE	Switzerland	A									
						ISGEC	Yamunanagar	A									
29	Condenser Fabricator (water cooled)	I				GE Power india Ltd	Durgapur	A									
						Godrej & Boyce Manufacturing Company Ltd.	Mumbai	A									
						TEMA India Ltd.,	Thane	A									
						TOSHIBA CORPORATION LTD	Japan	A									
						TJPS	Chennai	A									
30	HP Heaters (Sub QR Item)	I				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									
						ISGEC	Yamunanagar	A									
31	LP/HP Heater Fabricator	I				Godrej & Boyce Manufacturing Company Ltd.	Mumbai	A									
						TEMA India Ltd.,	Thane	A									
						TOSHIBA CORPORATION LTD	Japan	A									
						TJPS	Chennai	A									
						SPX Heat Transfer Inc. (Erstwhile Yuba Heat Transfer)	USA	A									
						GE	Switzerland	A									
32	LP Heaters (Sub QR Item)	I				ABFPL	Sanand	A									
						BHI	S Korea	A									
						THERMAL ENGG INTERNATIONAL	USA	A									
						BHEL	Hyderabad	A									
						L&T	Hazira	A									
						HOLTEC	USA	A									
						KSB	Chinchwad, Pune	A									
33	Condensate Extraction Pump (CEP)	I				BHEL	Hyderabad	A									
						SULZER Pumps	Mumbai	A									
						Clyde Pumps India pvt. Ltd	Ghaziabad	A									
						GARDNER Denver/Nash	Germany	A									
34	Condenser Air Evacuation Pumps (Sub QR Item)	I				GARDNER Denver/Nash	Pune	A									
						Tsurumi pumps	Japan	A									

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						Edwards	UK	A									
35	Deaerator (Sub QR Item)	I				TJPS	Chennai	A									
						BHEL	Hyderabad	A									
						BGR	Chennai	A									
36	Deaerator Fabricator	I				Godrej	Mumbai	A									
						ISGEC	Yamunagar	A									
						Altech	Bhivadi	A									
						TEMA India Ltd.,	Mumbai	A									
						BGR Energy System Ltd	Chennai	A									
						KSB	Germany	A									
						KSB	Pune	A									
						Sulzer Pumps	Mumbai	A									
						Sulzer	UK	A									
37	Booster Pump	I				Flowserve	Switzerland	A									
						FLOWERVE	Coimbatore	A									
						Flowserve	Spain	A									
						Hitiachi	Japan	A									
						Ebara Corporation	Japan	A									
						MHI	Japan	A									
						BHEL	Hyderabad	A									
						Ebara Corporation	Japan	A									
						Flowserve	Spain	A									
						KSB	Germany	A									
						KSB	Pune	A									
38	Boiler Feed Pump (BFP) (Sub QR Item)	I				Mitsubishi Heavy Industry	Japan	A									
						HITACHI PLANT TECHNOLOGY	Japan	A									
						BHEL	Hyderabad	A									
						Sulzer Pumps	Mumbai	A									
						SULZER	UK	A									
						Siemens	Germany	A									
						Hitiachi	Japan	A									
						GE Thermodyne	France	A									
						GE India Industrial Pvt. Ltd.	Pune	A									
40	Drive Turbine for BFP	I				Toshiba	Japan	A									
						TJPS	Chennai	A									
						Power machines(Kaluga)	Russia	A									
						BHEL	Hyderabad	A									
						MHI	Japan	A									
						Skoda	Czech republic	A									
						CCI	Sweden/ Switzerland/	A									
41	HP Bypass Valves (Sub QR Item)	I					Czech Republic										
						CCI	Chittor,AP	A									
						Bomafa	Germany	A									
						Bomafa	Ahmedabad	A									
							Sweden/ Switzerland/										
42	IP Reverse Valves (Sub QR Item)	I				CCI	Czech Republic	A									

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42	Condenser On-load Tube cleaning system (COLTCS) (Sub QR Item)	I				CCI	Chittoor,AP	A						
						BOMIFA	Ahmedabad	A						
						BOMIFA	Germany	A						
43	Condensor On-load Tube cleaning system (COLTCS) (Sub QR Item)	I				GEA BGR	Chennai	A						
						Multitex Filtration	Greater Noida	A						
44	Hydraulic Coupling for BFP	I				Voith	Hyderabad	A						
						Voith	Germany	A						
						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	Chittoor,AP	A						
						NHK SPRING	Japan	A						
						Yamashita Seisakusho Co. Ltd	Japan	A						
						MHI	Japan	A						
45	Hangers & Supports; Pipe Support components including Spring Hangers	I				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 CLH, VLH and Rigid supports Max. Load 1.5 MT			
						Carpentor & Patterson	USA/Thailand	A						
						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 2200NB			
46	Metallic Expansion Joint	I				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						
47	HP Piping -Fabrication (Based on Design and Drawings of Qualified Vendor)	I				BHEL	Piping Center, Chennai	A						
						L&T	&Thirunayam	A						
						Dee development	Hazira	A						
						Bendtec	Ballaahgarh	A						
						Wyman-Gordon	USA	A						

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48	HP Pipes and Fittings (Mills)	II				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		
49	Elastomer Large Bellows or Flexibles Rubber Bellows	I				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	Heater Drains Recovery Pumps (Drip Pump)	I				Cori Engineers Pvt. Ltd.	Chennai	A						
						SRM Ecoflex	Kolkata	A				UP TO 2700 NB		
51	Debris Filter/ Self Cleaning Strainer	I				KSB	Germany	A						
						Nasosenergomash	Ukraine	A						
						Sulzer Pumps	Mumbai	A						
						KSB	Pune	A						
						Hyundai	S Korea	A						
						KBL	Pune	A						
						Flowserve	Coimbatore	A						
						GEA-BGR	Chennai	A						
						Multitex	Gr Noida	A						
						Remi	Tarapur,India	A					SS	
52	LP Pipes & Fittings (CS & SS)	I				Apex	Alwar	A						
						Ranamani	Ahmedabad	A				SS (up to 150NB)		
						ISMT	India	A				SS		
						Maharashtra Seamless Ltd.	Maharashtra	A				CS (up to 400 NB)		
						Tube Products Incorperate	Ahmedabad	A				CS (up to 400 NB)		
						TK Corporation	S Korea	A						
						Dee development	Palwal	A				CS (up to 400 NB)		
						Jindal Saw	India	A				ERW		
						Tata	India	A				ERW		
						Surya	India	A				ERW		
53	Butterfly Valves (* Also for steam services)	I				JINDAL PIPES LTD	India	A						
						WELSPUN	India	A				ERW		
						Lalit Pipes & pipes Ltd.,	Thane	A				EFW Pipes		
						Ranamni Metals and Tubes Ltd.,	Gandhinagar	A				EFW Pipes		
						Fouress Engg. *	Bangalore	A						
						IL *	Palakkad	A				upto 2600 NB		
						BHEL *	Bhopal, India	A				upto 2200 NB		
						Kriloskar Bros. Ltd	Pune	A						
						L&T	Chennai	A						
						Trillium Flow	Hubli	A						
						Tyco	Halol	A						

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54	Valves (gate/ globe/check) for LP application	I				L&T	Coimbatore	A									
						Intervalve	Pune	A									
						L&T	Chennai/ Coimbatore	A									
						Velan	Canada/ Coimbatore	A									
						KSB	Germany/ Coimbatore	A									
						ToA	Japan	A									
						Fouress Engg	Aurangabad	A									
						Trillum Flow	Hubli	A									
						Crane	USA	A									
						Samshin	S Korea	A									
55	HP Feedwater Heaters Automatic (String Bypass) Isolation Valves	I				KBL	Pune	A									
						Weir	UK	A									
						Leader	Jalandhar	A									
						BHEL	Trichy	A									
						Pentair (Tyco Sempell)	Trichy	A									
						HP Valves(Key Valves Technology)	Netherlands	A									
						IL	Palakkad	A									
						Steel Strong	Mumbai	A									
						KSB	Germany	A									
						Tyco Sempell	Germany	A									
56	Water Steam Cycle HP Valves	I				Strack	Germany	A									
						BHEL	Trichy	A									
						Weir Valves & Controls UK Ltd	UK	A									
						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									
57	Safety Valves	I				Crane	USA	A									
						Samshin	S Korea	A									
						Pentair(Tyco Sempell)	Germany	A									
						Velan	Canada	A									
						ToA	Japan	A									
						Tyco	USA	A									
						BHEL	Trichy	A									
						Dresser	USA	A									
						Tyco	USA	A									
						Babcock	Spain	A									
			Flanger	Germany	A												
			Bopp & Reuther	Germany	A												

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58	Forged Steel Valves up to 2" , Class 800 (FCS/FSS)	I				Flanger	Nasik	A									
						Reineke	Germany	A									
						Valve Technology	USA	A									
						KSB	Coimbatore	A									
						Leader	Jalandhar	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									
						Plymouth	USA	A									
						Ratnamani	Kutchh	A									
						Neotiss Limited	Medak,AP	A				Remarks:Formerly Valloures 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									
						Scholler Werke GmbH	Germany	A									
						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					
60	HP/LP Heater tubes	I				Apex	Alwar	A									
						Ratnadeep Metal & Tubes Ltd	Mehsana	A				LP Heater					
						REMI Edelstahl Tubulars Ltd	Tarapur	A									
						Neotiss Limited	Medak,AP	A				Remarks:Formerly Valloures Heat exchanger Tubes Ltd/ CST Valinox Ltd.					
						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					
61	Hydrogen Generation Plant (Sub-QR Item)	I				Electrolyser Corporation	Canada	A									
						BOC	Kolkata	A									
			Main Contractor Approved Sources(Note-3)														
			Main Contractor Approved Sources														
			1	Turbine Bearing Pedestal	I												

PROJECT : SIPAT-III (1X800MW) PACKAGE : EPC PACKAGES CONTRACTOR: CONTRACT NO. :										LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00 DATE :02.05.2023 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-I)		
2	Chemical Dosing System	I				Main Contractor Approved Sources									
3	Vapour Exhanster 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 MOP) & Consumables like paints, gaskets etc.	III				Main Contractor Approved Sources									
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 / assessed 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.															
LEGENDS/ संकेतिका															
* - Inspection category will be decided during vendor evaluation															
1.0 SYSTEM SUPPLIER / SUB SUPPLIER APPROVAL STATUS CATEGORY प्रणाली आपूर्तिकर्ता / सब-वैडर 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 वैडर एन्टीपीसी को स्वीकार्य है। 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 एन्टीपीसी द्वारा अनुमोदित किया जाता है और एन्टीपीसी द्वारा अंतिम स्वीकृति भौतिक निरीक्षण के दौरान उपलब्ध गवाह के अधीन 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 एन्टीपीसी द्वारा अनुमोदित किया जाता है। हालाँकि एन्टीपीसी द्वारा कोई भौतिक निरीक्षण नहीं किया जाएगा। एन्टीपीसी द्वारा अंतिम स्वीकृति अनुमोदित दस्तावेजों की समीक्षा के आधार पर दी जाएगी।															
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.															
NINTS/WORKS : Place of manufacturing- Place of main supplier of multi units/works.															



INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क़्वालिटी प्लान तथा सब -सप्लायर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)				DOC, NO./ दस्तावेज नं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				Applicable Systems	
S. N. क्र.सं.	Item / मद	Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध नं.:	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. नं.	QP Sub. Schedule उप. अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी
1	AIR BLOWERS -LOBE TYPE >= 5KW		I			SWAM PNEUMATIC	A		
						EVEREST BLOWERS PVT LTD	A		UP TO 40 HP (APPROX 1600 CUM/HR)
						KAY INTERNATIONAL	A		UP TO 4800 CUM/HR
						KULKARNI POWER TOOLS	A		UP TO 2500CUM/HR
						USHA COMPRESSORS	A		UP TO 60 HP (APPROX 2000CUM/HR)
						REVA INDUSTRIES	A		UP TO 60 MT
2.A	EOT CRANE & ELECTRIC HOIST >5 MT		I (> 10T) / III (>5T UP TO 10T)			EDDY CRANE	A		UPTO 10 MT
						CONSOLIDATED HOIST	A		SATARA UP TO 20 MT,*PUNE FOR ELECTRIC HOIST UPTO 15 MT
						ELECTROTHERAPHY	A		UPTO 15 MT FOR ELECTRIC HOIST ONLY
						HERCULES HOIST	A		UPTO 15 MT FOR ELECTRIC HOIST ONLY
						TUBRO FERGUSON	A		UP TO 20MT FOR EOT, UP TO 5 MT FOR FOR ELECTRIC HOIST
						PRAYAS ENGG (PBL)	A		UPTO 10 MT FOR ELECTRIC HOIST ONLY
						ALPHA SERVICES	A		SHIMOGA CRANE EOT CRANE & ELECTRIC HOIST UPTO 15 MT ONLY.
						CENTURY CRANE ENGINEERS PVT. LTD	A		GEARBOX FROM NTPC APPROVED SOURCES FOR EOT CRANE.
									UP TO 25 MT

WTP,CT,AC&VENTIL
ATION,CHP,LHP&GH
P,AHP, CW , FDPS



INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्रालिटी प्लान तथा सब –सप्लायर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)										DOC, NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				
S. N. क्र.सं.	Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:	Item / मद	QP/ Insp. Cat. स्वी/ निर्दि. श्रेणी.	QP No. / स्वी/ सं.	QP Sub. Schedule स्वी/ उप,अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission/ schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems				
2.B	GANTRY CRANE >5T		I (> 10T) / III (>5T UP TO 10T)			ARMSEL	A	BANGALORE	UPTO 10 MT EOT & UPTO 15 MT ELECTRIC HOIST	CW	WTP,CT,AC&VENTIL ATION,CHP,LHP&GH P,AHP			
						TRACTEL TIRFOR	A	PALWAL	UPTO 15 MT FOR ELECTRIC HOIST AND UPTO 10 MT FOR EOT					
						MILLARS INDIA	A	KARAMSAD	UP TO 25 MT					
						AVON CRANES	A	GURGAON	UP TO 25 MT					
						GRIP ENGINEERS	A	HYDERABAD	50 MT (GEARBOX FROM NTPC APPROVED SOURCES FOR EOT CRANE).					
						GRIP ENGINEERS	A	FARIDABAD	UPTO 20 MT ELECTRIC HOIST ONLY					
						CRANEX	A	GHAZIABAD	UP TO 140 MT FOR EOT ONLY					
						REVA INDUSTRIES	A	FARIDABAD	UP TO 60 MT					
						UNIQUE INDUSTRIAL HANDLERS PVT LTD	A	NASHIK	UP TO 165 MT					
						ANUPAM INDUSTRIES LTD.	A	ANAND	UP TO 60MT					
		SMACO ENGINEERING PVT. LTD	A	THANE	UP TO 60MT									
		MANGLA HOIST	A	GREATER NOIDA	UP TO 10MT									
		CB DOCTOR VENTILLATOR PVT LTD	A	AHMEDABAD	up to 50000 CMH									
		HOWDEN SOLYVENT FLAKT INDIA PVT LTD,	A	CHENNAI	up to 125000 CMH									



NTPC	Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:		INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क़्वालिटी प्लान तथा सब -सप्लायर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)				DOC, NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				Applicable Systems	
	S. N. क्र.सं.	Item / मद	QP/ Insp. Cat, स्कोपी/ निर्मि. श्रेणी.	QP No. / स्कोपी. सं.	QP Sub. Schedule उप,अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी			
	3	FAN- AXIAL TYPE > = 5KW	I			C DOCTOR &CO PVT LTD	A		up to 50000 CMH			
						KRUGER VENTILATION INDUSTRIES (I) PVT LTD	A		Up to 6000 CMH			
						NADI AIRTECHNICS PVT LTD	A		Up to 15000 CMH			
					ADVANCE VENTILATION PVT LTD	A		up to 40000 CMH				
					SK SYSTEMS PVT LTD	A		up to 50000 CMH				
					Patel Airflow	A		up to 40000 CMH				
					ALMONAROD (P) LIMITED	A		Up to 14000 CMH				
					STEEL AUTHORITY OF INDIA LIMITED WELSPUN	A			SAW UPTO 2600 NB	CW,CT,MUW		
					WELSPUN	A		SAW UPTO 1300 NB				
					MAN INDUSTRIES	A		SAW UPTO 1400 NB				
					SAMSHI	A		SAW 450 TO 2540 NB				
					MUKAT TANKS & VESSELS	A		SAW 200 TO 1200 NB				
					MUKAT PIPES	A		SAW UPTO 1800 NB				



	Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:	INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क़्वालिटी प्लान तथा सब –वेंडर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)	DOC. NO./ दस्तावेज सं.:	REV. NO.:	DATE/ तिथि : 26.06.2023	PAGE/ पृष्ठ :	Remarks/ टिप्पणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Place/ स्थान	Applicable Systems
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. स्वी./ निरी. श्रेणी.	QP No. / स्वी. सं.	QP Sub. Schedule स्वी. उप,अनुसूचि	Proposed sub-supplier / अपपूर्तिकर्ता	उप आपूर्तिकर्ता	THANE	A	SAW 350 TO 1400 NB		
4	PIPES-MS- (BLACK/ GI) AS PER IS:3589 >1000NB	I			LALIT PIPES AND PIPES LTD		CHATRAL	A	SAW 600 TO 2600 NB		
					RATNAMANI		KUTCH	A	SAW 400 TO 3600 NB		
					PSL HOLDINGS LIMITED		DAMAN	A	SAW 450 TO 1600 NB		
					PSL INTERNATIONAL LTD.		CHENNAI	A	SAW 450 TO 1600 NB		
					PSL LIMITED		KUTCH	A	SAW 450 TO 1600 NB		
					PSL LIMITED		VISAKHAPATNAM	A	SAW 450 TO 1600 NB		
					JCO PIPES		CHHINDWARA	A	SAW UPTO 1600 NB		
				SURYA GLOBAL STEEL TUBE LTD		ANJAR	A	SAW UP TO 2032 OD			
				JINDAL SAW LTD		BELLARY	A	SAW UP TO 3632 OD , THICKNESS 16 MM			
				CAPACITE STRUCURES PVT LTD		THANE	A	406.4 MM TO 3874 MM OD			
				EPP COMPOSITES PVT LTD		RAJKOT	A	UP TO 900MM		WTP,CT	
				GRAPHITE INDIA		NASIK	A	UP TO 1000MM			
5	PIPES & FITTINGS-GRP	I			SHIRAM SEPL COMPOSITES LTD		CHENNAI	A	UP TO 1100MM		



INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क़्वालिटी प्लान तथा सब -सप्लायर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)		DOC. NO./ कस्तावेज नं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				Applicable Systems					
S. N. क्र.सं.	Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध नं.:	Item / मद	QP/ Insp. Cat. क्यूटी/ निरी. श्रेणी.	QP No. / क्यूटी. नं.	QP Sub. Schedule क्यूटी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	
6	SERVICE VESSEL-CPU & OTHER PR VESSELS >= 10 BAR WORKING PRESSURE		I			BALAJI FIBER REINFORCE PVT LIMITED	VADODARA	A		UP TO 650MM	WTP,CPU,CAS,CHP, LHP&GHP,AHP
						MEGHA FIBRE GLASS INDUSTRIES PVT LTD	MEDAK	A		UP TO 900MM	
						DRIPLEX WATER ENGINEERING	BHADARBAD	A			
						INTERNATIONAL PVT LIMITED	PONNERI	A		UPTO 3000MM DIA & THICKNESS	
						BGR ENERGY SYSTEMS LTD	VADODARA	A		UPTO 28 MM	
						(ENVIRONMENTAL ENGG. DIV.) ISHAN EQUIPMENTS PRIVATE		A		UPTO 2900 MM DIA & THICKNESS	
						LIMITED	TALOJA	A		UPTO 28 MM	
						JASMINO POLYMERTECH PVT LTD		A		DIA 2800MM, THICKNESS 25MM DESIGN PRESSURE UP TO 47.5 KSC	
						MAHIMA UDYOG	HARIDWAR	A		DIA UP TO 2900 MM , THICKNESS UPTO 29 MM	
						BELCO POLLUTION CONTROL PVT LTD	GREATER NOIDA	A		UPTO 3200MM DIA & THICKNESS	
						KIRLOSKAR BROTHERS LTD	KIRLOSKARWADI	A		UPTO 30 MM	
						WILO MATHER & PLATT	PUNE	A			
						WILO MATHER & PLATT	KOLHAPUR	A			
						SAM TURBO	COIMBATORE	A		FLOW UP TO 1500 CUM/HR AND	
						FLOWMORE LTD	GHAZIABAD	A		POWER RATING UP TO 425 KW	
						BEST AND CROMPTON	CHENNAI	A			



S. N. क्र.सं.	Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:	INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क़्वालिटी प्लान तथा सब -सप्लायर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)	DOC, NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :	Applicable Systems				
Item / मद	QP/ Insp. Cat. क्यूरी/ निरी. श्रेणी.	QP No. / क्यूरी. सं.	QP Sub. Schedule क्यूरी उप, अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी
7	PUMPS- HORIZONTAL & VERTICAL CENTRIFUGAL -UP TO 300KW	(UP TO 60 KW CAT-II, ABOVE 60 KW CAT-I)		JYOTI LTD	VADODARA	A		
				WPIL	GHAZIABAD	A		
				KISHORE PUMPS	PUNE	A		UPTO 500M3/HR ONLY RUBBERLINED PUMPS ALSO
				GRUNDFOS PUMPS INDIA PVT LTD	CHENNAI	A		HORIZONTAL UP TO 30 KW ONLY AND VERTICAL UP TO 45 KW ONLY (FOR APPLICATIONS WHERE NPSH IS NOT APPLICABLE)
				SINTECH PRECISION	GHAZIABAD	A		HORIZONTAL UP TO 400 KW MOTOR RATING AND VERTICAL UP TO 30 KW MOTOR RATING
				KSB	PUNE	A		
				KSB	NASHIK	A		
				FLOWSERVE INDIA CONTROLS PVT LTD	COIMBATORE	A		HOIZONTAL CENTRIFUGAL PUMP UP TO 75 KW ONLY
				SU MOTOR	MUMBAI	A		HORIZONTAL UPTO 500M3/HR ONLY RUBBERLINED PUMPS AND VERTICAL CENTRIFUGAL PUMPS UP TO 100CMH ONLY
				BHARAT PUMPS AND COMPRESSORS FLOWMORE LTD	NAINI	A		FLOW UP TO 2200 M3/HR AND HEAD UP TO 60 MWC
				GHAZIABAD	A			
				KIRLOSKAR BROTHERS LIMITED	KIRLOSKARWADI	A		
				WPIL LTD	KOLKATA	A		
				WPIL LTD	GHAZIABAD	A		

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 NTPC		Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:	INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क़्वालिटी प्लान तथा सब –सप्लायर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)					DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ. :				Applicable Systems
S. N. क्र.सं.	Item / मद	QP / Insp. Cat. स्कोर/ श्रेणी.	QP No. / स्कोर/ सं.	QP Sub. Schedule उप,अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submisson schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी				
8	PUMPS -VT -UP TO 300KW	I			JYOTI LTD	A						
					XYLEM WATER SOLUTIONS INDIA	A						
					PVT LTD	A			UP TO 1025 KW			
					FLOWERVE INDIA CONTROLS	A						
					PVT LTD	A						
					SINTECH PRECISION	A						
					WILO MATHER & PLATT	A						
					ADVANCE VALVE PVT LTD	A			DUAL PLATE CHECK VALVES CI UPTO 1000 NB CLASS 125, DUPLEX SS UP TO 600NB CLASS 600.	WTP,CW, CPU,FDPs,CAS,LP PIPING		
9.A	VALVE-DUAL PLATE CHECK > 600MM OR CLASS > 300 (VALVE- DUAL PLATE CHECK UP TO 600MM & CLASS 300: CAT-II & MAIN CONTRACTOR APPROVED SOURCES)	I			LEADER VALVES	A			UP TO 900MM CLASS 150 , SS 200NB CLASS#300			
					R & D MULTIPLE	A			CI/ CS UP TO 800NB PN 10			
					SWIMS TECHNOLOGIES	A			SS BALL VALVES UP TO 500MM AND CLASS #600, CS BALL VALVES UP TO 250 MM AND CLASS# 900, CS/ SS BALL	WTP, CPU,FDPs,CAS,FOH,C HP,LHP&GHP,AHP		
					MICRO FINISH VALVES PVT. LTD.	A			400NB CLASS#600 AND UP TO 600NB CLASS#300			
					FLOW CHEM INDUSTRIES	A			100NB CLASS#600,200NB CLASS#300,			
					L&T VALVES LIMITED	A			50 NB CLASS#800			
									UPTO 150NB, CLASS #150/300, AND			
									UPTO 50NB, CLASS #800			
					PRECISION ENGG CO VALVES PVT LTD	A			FCS UP TO 50NB CLASS 800, CCS UP TO 400NB CLASS 150.			
9.B	VALVE-BALL > 100 MM OR CLASS > 800; (VALVE- BALL UP TO 100 MM & CLASS 800:CAT-II & MAIN CONTRACTOR APPROVED SOURCES)	I							FCS UP TO 50NB CLASS 800, CCS UP TO 200NB CLASS 150.			



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	Item / मद	QP/ Insp. Cat. क्यू.पी./ निरी. श्रेणी.	QP No. / क्यू.पी. सं.	QP Sub. Schedule क्यू.पी. उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submisson schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
	VALVE-BUTTERFLY > 600MM OR CLASS>150 (VALVE-BUTTERFLY UP TO 600MM & CLASS 150::CAT-II & MAIN CONTRACTOR APPROVED SOURCES)				G M ENGINEERING PRIVATE LTD	RAJKOT	A		UP TO 400 NB AND CLASS #600	
					INTERVALVE POONAWALA LTD	PUNE	A		SGI / CI / D2 1400MM PN10, SGI / CI 1000MM PN16,CS/SS 500MM PN16, SS 400MM CLASS#300, MS FABRICATED	WTP, CW,CT,CPU,FDPs,CAS , AC& VENTILATION, MUW,CHP, LHP&GHP,LP PIPING,AHP
					SWIMS TECHNOLOGIES	HUBLI	A		CI/ DI BUTTERFLY VALVE UP TO 1000MM AND PN16 AND UP TO 1800MM AND PN10,CGS UP TO	
					PENTAIR VALVES	HALOL	A		FOR SS UP TO 500 NB PN-10, CI-UP TO 900NB PN-10, UP TO 500NB PN-16, 450MM CLASS#300., MS FABRICATED	
					FOURES ENGINEERING	BANGALORE	A		CAST SGI/CI/ MS FABRICATED- UP TO 1200 PN-10, UP TO 350 PN-16 ,2400 MM PN6/CLASS150	
					KIRLOSKAR BROTHERS LTD	KONDHAPURI	A		CAST SGI/CI/CS 1400 MM PN16 , SS 300 MM PN16 , 1800MM CLASS 150, MS FABRICATED 900 NB PN40,MS	
					R & D MULTIPLE	VALSAD	A		CAST SGI/CI/MS FABRICATED- UP TO 1800 MM PN-10/CLASS # 75 , 1100MM PN25,1400MM CLASS#150 ,MS	
					ADVANCE VALVES PVT LTD	GREATER NOIDA	A		METAL SEATED, TRIPLE ECCENTRIC, SS BFV OF SIZE UP TO 100NB, AND PRESSURE RATING UP TO CLASS #300.	
					BRAY CONTROLS INDIA PVT. LTD	KANCHIPURAM	A		UP TO 450 MM AND CLASS#600	
					INSTRUMENTATION LTD.	PALAKKAD	A		UP TO 2200NB CLASS # 75	
					HAWA ENGINEERS	AHMEDABAD	A		CI/ CS & FABRICATED UP TO 1200MM, CLASS #150, SS UP TO 250MM, CLASS#150	
					CRANE PROCESS FLOW	SATARA	A		UP TO 900MM PN10	
					L & T VALVES LIMITED	COIMBATORE	A		UP TO 900MM CLASS 150	
					DEMBLA VALVES	THANE	A		UP TO 2200MM CLASS#75	



INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क़्वालिटी प्लान तथा सब -सप्लायर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)					DOC. NO./ दस्तावेज नं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				Applicable Systems
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. बकरी/ तिथि, श्रेणी.	QP No. / बकरी, नं.	QP Sub. Schedule उप, अनुसूचि	Proposed sub-supplier / अपूर्तिकर्ता	Sub-supplier approval status / category उप अपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप अपूर्तिकर्ता के विवरण	Remarks / टिप्पणी	
9.D	VALVE-CONVENTIONAL GATE / GLOBE / CHECK > 600NB OR CLASS > 300	II			LEADER VALVES	A		CS GATE 600MM CLASS#600, SS	WTP, CW,CT,CPU,FDPS,CAS ,AC& VENTILATION, MUW,CHP, LHP&GHP,LP PIPING,AHP
					HAWA ENGINEERS	A		GLOBE 600MM CLASS#600, CS CHECK 600MM AND CLASS#600 FCS / FSS 50 NB CLASS 800.	
					FOURES ENGINEERINGS	A		400NB CLASS 600 AND 50NB CLASS 800.	
					BHEL IVP	A		GATE UP TO 300 NB CLASS 600, GLOBE 250 NB CLASS 400, CHECK 150NB CLASS 600.	
					HITECH ENGG PVT LTD	A		50 NB CLASS 800.	
					KSB PUMPS LTD	A		300NB CLASS 2500.	
					NITON VALVES INDIA PVT LTD	A		CS GATE 900 NB CLASS 600, CHECK 300 NB CLASS 600.	
9.E	VALVE- DIAPHRAGM TYPE	I			L&T VALVES LIMITED	A		650 MM CLASS 600, 50 NB CLASS 800.	WTP,CPU
					SWIMS TECHNOLOGIES	A		CONVENTIONAL CCS GATE / GLOBE / CHECK VALVES UP TO 600MM AND CLASS # 1500, CSS GATE/ GLOBE/ UP TO 300NB PN10	
					CRANE PROCESS FLOW	A			
					SWIMS TECHNOLOGIES	A		UPTO 250 NB - PN 10, 350MM PNG	
9.F	VALVE-PLUG > 100 MM OR CLASS > 800(VALVE- PLUG UP TO 100 MM & CLASS 800-CAT-II & MAIN CONTRACTOR (APPROVED SOURCES)	I			PROCON ENGINEERS	A		UPTO 200 NB AND PN 10/CLASS #150	WTP,CPU,CHP, LHP&GHP, FOH,AHP
					SWIMS TECHNOLOGIES	A		SOFT SEATED 400MM AND CLASS #150, 300NB CLASS#300	
					XOMOX SANMAR	A		UP TO 600MM AND CLASS#300	



INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क़्वालिटी प्लान तथा सब -सप्लायर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-संगणली: BOP SYSTEMS (MECHANICAL)				DOC. NO./ कस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :								
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10	PUMP -SUBMERSIBLE>= 30KW			I			FLOWERVE INDIA CONTROLS	CHENNAI	A		METALLIC SEATED 400NB CLASS#150,	WTP,CT, CPU,CHP, LHP&GHP, FOH,AHP,LP PIPING,FDPS
							KSB	NASHIK	A		300NB CLASS #300, 50NB CLASS #800 130 KW	
							KIRLOSKAR BROTHERS LTD	KIRLOSKARWADI	A			
							AQUA MACHINERY	AHMEDABAD	A		UP TO 235 KW	
11	RUBBER EXPANSION JOINT>=1600NB (RUBBER EXPANSION JOINT < 1600NB: CAT-II & MAIN CONTRACTOR APPROVED SOURCES)			I			WPIL	GHAZIABAD	A			ACW, ECW, CW,CT
							CORI ENGINEERS PVT LTD	CHENNAI	A		UPTO 2800 MM	
11.A	DRIFT ELIMINATOR-PVC			I			SRM EXOFLEX PVT LTD	KOLKATA	A		UPTO 2800 MM	CT
				I			M/s Cooldeck	Daman	A			
11.B	FILLS (Trickle Grid /Moduler/Splash)			I			M/s MM Aqua	Gurgaon	A			CT
				I			M/s Enexio Power cooling solutions ,	Thiruvallur(TN)	A		NF20	
12	FAN ASSEMBLY-COOLING TOWER			I			PAHARPUR COOLING TOWERS	SAHIBABAD	A		WITH SOLID FAN BLADES 288" AND 336 " DIA, WITH FOAM CORED FAN BLADES WITH 10METERS AND 10.97 METERS	CT
							LTD PAHARPUR COOLING TOWERS	BHASA	A		60" TO 288" FAN DIA	
							LTD PAHARPUR COOLING TOWERS	KOLKATA	A		60" TO 288" FAN DIA	



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							DATE/ तिथि : 26.06.2023				
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S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. स्क्रू/ निरी. श्रेणी.	QP No. / स्क्रू/ सं.	QP Sub. Schedule उप,अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी			
13	GEAR BOX -COOLING TOWER	I			M/s MAYA FANS AIR ENGG PVT LTD.	A		UP TO 11 METER FAN DIA			
					AMALGAMATED INDUSTRIAL	A		UP TO 11 METER FAN DIA			
					COMPOSITES PVT LTD	A					
					PAHARPUR COOLING TOWERS LTD	A					
					PAHARPUR COOLING TOWERS LTD	A					
					NEW ALLENBERRY WORKS	A					
14	DRIVE SHAFT-CARBON FIBRE-COOLING TOWER	II			ELECON ENGINEERING	A					
					PREMIUM ENERGY	A					
					TRANSMISSION LTD.	A					
					M/s EUROFLEX TRANSMISSION (INDIA) PVT LTD	A					
					PAHARPUR COOLING TOWERS LTD	A					
					M/s AMALGAMATED INDUSTRIAL	A					
15	DRIVE SHAFT SS-COOLING TOWER	II			COMPOSITES PVT LTD	A					
					NORTH STREET COOLING TOWERS	A					
					PAHARPUR COOLING TOWERS LTD	A					
					PAHARPUR COOLING TOWERS LTD	A					
					PAHARPUR COOLING TOWERS LTD	A					
					NORTH STREET COOLING TOWER	A					



INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क़्वालिटी प्लान तथा सब -सप्लायर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)					DOC. NO./ दस्तावेज नं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :			Applicable Systems	
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16	PUMP-CW PUMP		I			KIRLOSKAR BROTHER'S LIMITED			BOTH CV & VT TYPE Upto 43000 CUM/H and VT Upto 30000 CUM/H
						WPIL LTD	A		
						FLOWERVE INDIA CONTROLS	A		BOTH CV & VT TYPE
						PVT LTD	A		CV TYPE ONLY
						FLOWMORE LTD	A		VT TYPE ONLY
17	ELECTRO HYDRAULIC ACTUATOR FOR CW PUMP DISCHARGE BUTTERFLY VALVE		I			XYLEM WATER SOLUTIONS INDIA			
						PVT LTD	A		VT TYPE ONLY
						JYOTI LTD	A		
						BOSCH REXROTH (INDIA) PVT LTD	A		VT TYPE ONLY.
						HYDAC (INDIA) PVT. LTD	A		HYDRAULIC POWER PACK AND HYDRAULIC CYLINDER (320 MMM BORE DIA) , ACCUMULATOR FORM
18	IMPELLER CASTING - CW PUMP		II			ISGEC	A		HYDRAULIC POWER PACK-HYDAC COIMBATORE. HYDRAULIC CYLINDER - HYDAC BANGLORE, ACCU MULATOR
						THE KOLHAPUR STEEL LTD,	A		FINISHED CASTING UP TO 4.0 MT
						WESTERN PRECICAST PVT LTD	A		APPROX
						HINDUSTAN UDYOG LIMITED	A		FINISHED CASTING UP TO 3.5 MT
						HI-MET CORPORATION	A		APPROX
						TULIP CASTING	A		FINISHED CASTING UP TO 3.0 MT
							A		APPROX
							A		WEIGHT UPTO 3.0 MT , DIA 1600 MM



INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्रालिटी प्लान तथा सब -सप्लायर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)										DOC. NO./ दस्तावेज नं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :		Applicable Systems
S. N. क्र.सं.	Item / मद	QP / Insp. Cat. स्फूर्ति/ निरी. श्रेणी.	QP No. / स्फूर्ति. सं.	QP Sub. Schedule उप,अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी			
19	SHAFT-FORGING -CW PUMP	II			MATHER FOUNDRY LTD	UK	A		FINISHED CASTING UP TO 3.6 MT	CW		
					GORADIA SPECIAL STEELS LTD	KHAPOLI	A		APPROX			
					BHARAT FORGE	PUNE	A					
					CFFP,BHEL	HARIDWAR	A		UP TO DIAMETER 290MM AND LENGTH APPROX. 3000MM, GRADE SS410			
20	THRUST BEARING FOR CW PUMP	I			MICHEL	BANGLORE	A			CW		
21	DELUGE VALVE WITH TRIMS	I			KMP	GREATER NOIDA	A			FDPS		
					HD FIRE	THANE/JALGAON	A					
22	INERT GAS EXTINGUISHING SYSTEM	II			CARRIER	GURGAON	A		FOR PISTON TYPE DELUGE VALVE	FDPS		
					ANSUL	USA	A		ONLY			
					KIDDE (GINGEKERR)	UK	A					
					NAFFCO	UAE	A					
					MINIMAX GmbH & Co. KG	GERMANY	A					
					TOTAL WALTHER	GERMANY	A					
					NOHMI BOSAI	JAPAN	A					



S. N. क्र.सं.	Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:	INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क़्वालिटी प्लान तथा सब –वेयर के अनुमानित सहित मदों की सूची SUB-SYSTEM उप-उणाली: BOP SYSTEMS (MECHANICAL)						DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				Applicable Systems	
Item / मद	QP / Insp. Cat. श्रेणी/ तिरि. श्रेणी.	QP No. / श्रृङ्खला सं.	QP Sub. Schedule श्रृङ्खली उप-अनुसूचि	Proposed sub-supplier/ अनुमोदित उप आपूर्तिकर्ता	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी						
23	ALARM VALVE WITH TRIMS	II		HD FIRE	THANE	A		FDPS					
				HD FIRE	JALGAON	A							
24	FOAM SYSTEM(BLADDER TYPE)	I		HD FIRE	JALGAON	A		FDPS					
				FIRETECH	RATNAGIRI	A							
25	FIRE TENDER	I		WADIA BODY BUILDERS	AHMEDABAD	A		FDPS					
				AAREL INDUSTRIES	INDORE	A							
				AMBALA COACH	AMBALA	A							
				VIJAY FIRE	UMBERGAON	A							
				MARATHON ELECTRIC MOTOR(I) LTD	KOLKATA	A	UP TO 50000 CMH	AC& VENTILATION, CHP, LHP&GHP,,AHP					
				HOWDEN SOLYVENT FLAKT	CHENNAI	A	UP TO 200000 CMH						
				INDIA PVT LTD. ALMONAROD (P) LIMITED	CHENNAI	A	UP TO 60000 CMH						
				PATEL AIRFLOW	VATWA,	A	UP TO 250000 CMH						
				CB DOCTOR VENTILATOR PVT LTD	AHMEDABAD AHMEDABAD	A	UP TO 150000 CMH						
				WOLTER VENTILATORS INDIA (P) LTD	BHIWADI,	A	UP TO 200000 CMH						



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	26	CENTRIFUGAL FAN (≥ 5KW) MOTOR FROM NTPC ACCEPTED SOURCE	I			C DOCTOR &CO PVT LTD	KOLKATA	A		UP TO 250000 CMH			
						SUVIDHA AIR ENGINEERS	AHMEDABAD	A		UP TO 190000 CMH			
						SUBURBAN INDUSTRIAL WORKS PVT. LTD	KOLKATA	A		UP TO 100000 CMH			
					KRUGER VENTILATION	THANE	A		UP TO 90000 CMH				
				INDUSTRIES (I) PVT LTD SOLYVENT FLAKT	KOLKATA	A		UP TO 200000 CMH					
				ADVANCE VENTILATION PVT LTD	SONEPAT	A		UP TO 250000 CMH					
				SK SYSTEMS PVT LTD	SONEPAT	A		UP TO 250000 CMH					
27	DIESEL ENGINE	I			CUMMINS	PUNE	A		Up to 2000 KVA	DG SET,FDPS			
					PERKINS	AURANGABAD	A		UP to 313 HP				
					GREAVESS COTTON	AURANGABAD	A		Up to 1750 KVA				
28	3 LPE COATED PIPE	I			SAIL	ROURKELA	A			MUW			
					RATNAMANI	KUTCH	A		UP TO 1100 NB				
					PSL LTD	KUTCH/ VIZAC	A		UP TO 1100 NB				
				TRANTER INDIA	PUNE	A		HT PLATES & GASKETS FROM TRANTER SWIDEN /USA,HT PLATES FROM HISKA JAPAN	ECW				



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		QP/ Insp. Cat, व्युत्प./ निर्म, श्रेणी.	QP No. / व्युत्प, सं.	QP Sub. Schedule व्युत्प, अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Sub-suppliers approval status / category उप स्थिति / श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी			
		I			ALPHA LAVAL	A		SATARA	A	HT PLATES & GASKETS FROM ALPHA	
					IDMC		A	ANAND	A	LAVAL SWIDEN HT PLATES & GASKETS FROM SONDEX	
					SONDEX INDIA		A	VADODARA	A	DENMARK HT PLATES FROM SONDEX	
30	DI(Ductile Iron) PIPE & FITTINGS	I			JINDAL SAW(J161)		A	KUTCH	DENMARK/INDIA (MODEL S188) UP TO DN 900 CLASS K7 & K9	MUW	
					JAI BALAJI(J156)		A	BARDWAN	A		UP TO DN 900 CLASS K7 & K9
					ELETRO STEEL		A	KOLKATA			
31	AIR COPMPRESSOR: OIL FREE CENTRIFUGAL COMPRESSOR	I			NGERSOLL RAND INDIA		A	AHEMDABAD	Capacity Upto 60 NM3/Minute @ Pr-8 bar	CAS	
					KIRLOSKAR PNEUMATIC COMPANY LTD		A	PUNE	A		Capacity up to 45.3 Nm3/min and pressure rating up to 9.3 kg/cm2
32	SCREW TYPE AIR COMPRESSORS	I			ATLAS COPCO		A	Pune (Dapodi)	UPTO MODEL SH 300 (36 NM3/MIN) . AIR ENDS FROM GHH RAND - GERMANY & OTHER COMPONENTS FROM IR'S GLOBAL SOURCES ASSEMBLY & TESTING AT INGERSOL- AHMEDABAD	CAS, CHP, LHP, GHP, MRHS, AHP	
		I			INGERSOLL RAND INDIA	A	AHMEDABAD		UPTO 2830 CFM, AIR ENDS FROM HITACHI- JAPAN. ASSEMBLY AND TESTING AT ELGI COIMBATORE.		
		I			ELGI	A	COIMBATORE	A			
		I			KIRLOSKER PNEUMATIC COMP LTD	A	PUNE	A	FLOW CAPACITY 45.3 NM3/MIN . AND PRESSURE RATING 9.3 KG/CM2		



INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क़्वालिटी प्लान तथा सब -सप्लायर के अनुमोदन सहित मॉड की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)										DOC. NO./ दस्तावेज नं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :		
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33	AIR DRYER	I			SUMMITTS HYGRONICS	A		FOR REFRIGERANT DRYER, 11893 M3/HR, REGENERATIVE DRYERS BLOWER REACTIVATED TYPE 2123 M3/HR AND REGENERATIVE DRYERS HOC TYPE 5820 M3/HR	CAS			
				MELLCON ENGRS PVT LTD	A		Refrigerant type 60 m3/hr & REGENERATIVE DRYERS HOC TYPE 2548 M3/HR					
				DELAIR INDIA LTD	A		Refrigerant type 7500 m3/hr & REGENERATIVE DRYERS HOC TYPE 3000 M3/HR					
				SUMESH PETROLEUM	A		100 CFM(169 M3/HR) & 7 KG/CM2					
				TRIDENT PNEUMATIC PVT LTD	A		Refrigerant type 10000 m3/hr & REGENERATIVE DRYERS BHR TYPE 1000 M3/HR					
34	SCREW CHILLER	II			KIRLOSKAR CHILLER	A		UP TO 350TR	AC& VENTILATION			
					DAIKIN	A		UP TO 185 TR				
					BLUE STAR (COMPRESSOR FROM HANBEL-TAIWAN)	A		SCREW CHILLER UP TO 282TR				
35	Mettalic Expansion Bellows	II			MB METTALIC BELLOWES	A			MRHS			
					SUR Industries	A						
					LONE STAR	A						
36	Conveying Compressor (Reciprocating)	I			KIRLOSKAR PNEUMATICS	A			MRHS			
					INGERSOLL RAND	A						



INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क़्वालिटी प्लान तथा सब -सप्लायर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)		DOC. NO./ दस्तावेज नं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :									
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37	ALLOY CAST IRON PIPE, FITTINGS AND LINER		I			ATLAS COPCO(CHICAGO PNEUMATIC BRAND)	PUNE	A			MRHS, AHP
						CRAWLEY & RAY	KOLKATA	A			
						ALLIED FOUNDRIES	BELGAUM	A			
						PARAMOUNT CASTINGS	NAGPUR	A			
						NORTHERN ALLOY	BHAVNAGAR	A			
						MENON METALLIK	KOLHAPUR	A			
						KOLHAPUR STEEL	KOLHAPUR	A			
						AQUA ALLOY	KOLHAPUR	A			
						MARTO PEARL	HYDERABAD	A			
						R.R.L	HOWRAH	A			
						CONCAST ENGINEERING	BURDWAN, WB	A			
						NATRAJ IRON & CASTINGS	DHANBAD	A			
						ABHIPRIYA BUSINESS	PANT NAGAR	A			
						MELCO	FARIDABAD	A			



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S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. स्वी./ निरी. श्रेणी.	QP No. / स्वी. सं.	QP Sub. Schedule उप,अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems			
38	DRY ASH UNLOADING CHUTE	I			MACAWBER BEEKAY	KESHWANA	A			AHP			
					MINING AND MATERIAL HANDLING EQUIPMENT	KOLKATA	A						
					DCL	HYDERABAD	A						
					FLAKT	KOLKATA	A						
					ORIENT FANS (ACCO)	KOLKATA	A						
					THERMAX	PUNE	A						
					RIECO	PUNE	A						
					MELCO	FARIDABAD	A						
					MCNALLY SAYAJI	ASANSOL/KUMARD HUBI	A						
					MACAWBER BEEKAY	KESHWANA	A						
					TAP ENGINEERING	KANCHEEPURAM	A						
					SUMMITTS HYGRONICS	COIMBATORE	A					Upto 11893 m3/hr	
					TRIDENT	COIMBATORE	A					Upto 10000 m3/hr	
					MELLCON	GREATER NOIDA	A					Upto 7250 m3/hr	
40	REFRIGERANT TYPE DRYER	I											AHP



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					DELAIR	A		Upto 7500 m3/hr	
					ATLAS COPCO	A		Upto model FD 1200. ASSEMBLY AND TESTING AT PUNE	
41	VACUUM PUMP [WATER SEAL RING TYPE]	I			KAKATI KARSHAK	A			AHP
					AEROMATIC	A		Size Upto 200 MM , Capacity 3924 m3/hr	
					DECCAN MECHANICAL & CHEMICAL	A			
42	BASALT LINE PIPE & FITTING	I			ENVIRO ABRASION	A		CAST BASALT LINERS FROM SCHOLTEN GmbH-GERMANY	AHP
					TURBO ENGINEERS	A		CAST BASALT LINERS FROM KALENBORN - GERMANY/POLAND OR EUTIT - Czech Republic	
					GOENKA CAST ENGINEERING(I) PVT LTD	A		UP TO 350 NB	
					BMW STEEL	A		UP TO 550 NB	
					BRAY CONTROLS INDIA PVT LTD, VAAS KNIFE GATE VALVE DIVISION	A		UPTO PN 10 RATING	
43	SLURRY DUTY KNIFE GATE VALVE	I			FOURESS ENGINEERING	A		UPTO PN 10 RATING	AHP
					ORBINOX	A		UPTO PN 16 RATING	
					WEIR MINERALS	A		UPTO 12" PN 10 RATING	
					BRAY CONTROLS INDIA PVT LTD, VAAS KNIFE GATE VALVE DIVISION	A			



INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL प्रवाहिली योजना तथा सब-सप्लायर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)					DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				Applicable Systems
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44	FLY ASH DUTY KNIFE GATE VALVE	I			FOURESS ENGINEERING	A			AHP
					ORBINOX	A			
					JASH SCHUTTE	A			
45	CAST IRON PIPE	II			ELECTROSTEEL	A		UPTO 450 NB	AHP
					KESORAM	A		UPTO 350 NB	
					IISCO	A			
46	ASH SLURRY PUMP	I			KAPILANSH DHATU UDYOG	A		APPROVED UPTO 300 NB.	AHP
					KUSHA LAVA	A		FOR NON STD. SIZE	
					SAM INDUSTRIAL PUMPS	A			
47	AIR LOCK FEEDER VESSEL / BOTTOM ASH OVERFLOW TANK/MIXING TANK/COARSE ASH TANK/ AIR OIL CONVERTOR TANK, AIR INTAKE VALVE	II			WEIR MINERALS	A		MANUFACTURING AT WEIR MINERALS BANGALORE	AHP
					MELCO	A			
					MCNALLY SAYAJI	A		AIR OIL TANK- ASANSOLE , AIR INTAKE VALVE - KUMARDUBHI	
					MACAWBER BEEKAY	A			
					MCNALLY SAYAJI	A			



	INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क़्वालिटी प्लान तथा सब -सप्लायर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)					DOC. NO./ दस्तावेज नं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :					Applicable Systems	
	Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध नं.:	Item / मद	QP/ Insp. Cat. क्यूरी/ निरी. श्रेणी.	QP No. / क्यूरी. नं.	QP Sub. Schedule क्यूरी उप, अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति / श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	AHP	
	48	BOTTOM ASH HOPPER / BUFFER HOPPER/DUST COLLECTOR	I			MELCO	FARIDABAD	A		ONLY FOR BUFFER HOPPER AND DUST COLLECTOR		
						MACAWBER BEEKAY	KESHWANA	A				
						MELCO	FARIDABAD	A				
49	CLINKER GRINDER	I			MCNALLY SAYAJI	ASANSOL/KUMARD HUBI	A			AHP		
					L&T	KANSBAHAL	A					
					MACAWBER BEEKAY	KESHWANA	A					
50	FLY ASH HOPPERVALVE/ASH INTAKE VALVE/FLY ASH DIFFUSER / DRIVE ARRANGEMENT FOR CLINKER GRINDER	II			MELCO	FARIDABAD	A			AHP		
					MCNALLY SAYAJI	ASANSOL/KUMARD HUBI	A					
					L&T	KANSBAHAL	A					
51	FLUIDIZING PAD / FLUSHING APPARATUS	I			MACAWBER BEEKAY	KESHWANA	A			AHP		
					MELCO	FARIDABAD	A					
					MCNALLY SAYAJI	ASANSOL/KUMARD HUBI	A					
					L&T	KANSBAHAL	A					
					MACAWBER BEEKAY	KESHWANA	A					



INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क़्वालिटी प्लान तथा सब -सप्लायर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)					DOC. NO./ दस्तावेज़ सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				Applicable Systems	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ तिथि, श्रेणी.	QP No. / क्यूपी, सं.	QP Sub. Schedule क्यूपी उप, अनुसूचि	Proposed sub-supplier / अपूर्तिकर्ता	Sub-supplier approval status / category उप अपूर्तिकर्ता के अनुमोदन की स्थिति / श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप अपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी		
52	FLY ASH STORAGE SILO/HCSO SILO	I			MCNALLY SAYAJI	A				AHP
					MACAWBER BEEKAY	A				
53	FEED SUMP / VACUUM BREAKER	I			MELCO	A				AHP
					MCNALLY SAYAJI	A				
54	FLY ASH HEADER VALVE/BRANCH HEADER VALVE / AIR INTAKE VALVE /EQUALISING VALVE /PLUG GATE FOR SUMP ISOLATION	I			MACAWBER BEEKAY	A				AHP
					MELCO	A				
55	HYDROMIX DUST CONDITIONER/ROTARY FEEDER	I			MCNALLY SAYAJI	A				AHP
					L&T	A				
					MACAWBER BEEKAY	A				
					L&T	A				
					EXPONENTIAL ENGINEERING	A				



INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क़्वालिटी प्लान तथा सब -सप्लायर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)						DOC. NO./ दस्तावेज़ सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :			
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56	JET PUMP / JETTING NOZZLE	I			MELCO	A		JET PUMP / JETTING NOZZLE	AHP
					MCNALLY SAYAJI	A		JET PUMP / JETTING NOZZLE	
					L&T	A		JET PUMP	
					MACAWBER BEEKAY	A		JET PUMP / JETTING NOZZLE	
57	COLLECTOR TANK / AIR WASHER / WETTING HEAD / SURGE / SETTLING TANK	I			MELCO	A			AHP
					MCNALLY SAYAJI	A			
					MACAWBER BEEKAY	A			
58	PLATE VALVE AT DYKE END	I			MELCO	A			AHP
					MCNALLY SAYAJI	A			
					MACAWBER BEEKAY	A			
59	DESSICANT TYPE AIR DRYER	I			DELAIR	A			AHP
					INDCON	A			
					MELLCON	A			
					SUMMIT'S HYGRONICS	A			



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60	STACKER RECLAIMER & RECLAIMER	I			TRIDENT	A					CHP
					MCNALLY	A					
					L&T	A					
					THYSSENKRUPP	A					
					ELECON	A					
					TRF	A					
					SANDVIK	A					
					PROMAC	A					
					THYSSENKRUPP	A				* Hyderabad works approved for some of assemblies for Stackler Reclaimer - Counter Weight Boom, Box and Bucket	
					ELECON	A					
61	WAGON TIPPLER & SIDE ARM CHARGER	I			FAMAK S.A. (IN ASSOCIATION WITH	A					CHP
					L & T	A					
					THYSSENKRUPP	A					
					TRF	A					



INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क़्वालिटी प्लान तथा सब –सप्लायर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)										DOC, NO./ दस्तावेज नं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :		Applicable Systems
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat, वर्गी./ निरी. श्रेणी.	QP No. / वर्गी. सं.	QP Sub. Schedule वर्गी उप, अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी			
62	APRON FEEDER WITH DRIBBLE CONVEYOR (	I			PROMAC	BANGALORE	A				CHP	
					THYSSENKRUPP	HYDERABAD	A			UPTO 2400 TPH		
					L&T	KANSBAHL	A			UPTO 2200 TPH		
					ELECON	VV NAGAR	A			UPTO 2200 TPH		
					TRF	JAMSHEDPUR	A			UPTO 2400 TPH Extended Warranty of 3 years over & above of contractual warranty on parts		
63	RING GRANULATOR	I			MCNALLY SAYAJI	KUMARDHUBI	A			UPTO 2200 TPH	CHP	
					PENNSYLVANIA CRUSHERCORPORA	USA	A			UP TO 1760 TPH		
					AMERICAN PULVERISER	USA	A			UPTO 1875 TPH		
					THYSSENKRUPP	PUNE	A			UP TO 2035 TPH		
					TRF	JAMSHEDPUR	A			UP TO 1800 TPH TRF shall give extended warranty of 5 years over & above Contractual		
					L&T	KANSBAHAL	A			UP TO 1600 TPH		
					ELECON	V V NAGAR	A			UP TO 1320 TPH		
					MCNALLY SAYAJI	KUMARDHUBI	A			UPTO 1000 TPH		
				TECHNO VIBRAZIONI	ITALY	A			UPTO 1875 TPH			



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S. N. क्र.सं.	Item / मद	QP / Insp. Cat. क्यूरी/ निरी. श्रेणी.	QP No. / क्यूरी. सं.	QP Sub. Schedule क्यूरी उप,अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)		Sub- supplier Details submisson schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems		
64.A	VIBRATING SCREEN FEEDER	I			ELECON	A			UP TO 1320 TPH	CHP		
					GENERAL KINEMATICS	A			UP TO 2000TPH			
					THYSSENKRUPP	A			UP TO 2035 TPH			
					TRF	A		UP TO 1800 TPH TRF shall give extended warranty of 5 years over & above Contractual				
					MCNALLY SAYAJI	A		UPTO 1210 TPH				
64.B	VIBRATING FEEDER	I			TECHNO VIBRAZIONI	A			UPTO 1875 TPH	CHP		
					ELECON	A			UP TO 1320 TPH			
					GENERAL KINEMATICS	A			UP TO 2000TPH			
					THYSSENKRUPP	A						
					TRF	A		UP TO 1800 TPH TRF shall give extended warranty of 5 years over & above Contractual				
					MCNALLY SAYAJI	A		UPTO 1210 TPH				
					INTERNATIONAL COMBUSTION	A						
		Electro Zavod	A			UPTO 400TPH						
		Elektromag Joest	A			UP TO 750 TPH						

S. N. क्र.सं.	Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:	INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क़्वालिटी प्लान तथा सब -पैकेज के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)					DOC, NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				Applicable Systems	
Item / मद	QP / Insp. Cat, कर्तृ/ निर्मि. श्रेणी.	QP No. / कर्तृ/ सं.	QP Sub. Schedule उप, अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति / श्रेणी (NOTE-1)	Sub- supplier Details submisson schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी					
65 TRAVELLING TRIPPER	I			BENGAL TOOLS	A	KOLKATA		CHP				
				THYSSENKRUPP	A	PUNE / HYDERABAD						
				ELECON	A	VV NAGAR						
				MBE	A	KUMARDHUBI						
				TRF	A	JAMSHEDPUR						
				HMTC	A	KOLKATA						
				L & T - MACNIL	A	CHENNAI						
				L & T	A	KANSBAHAL						
				L & T - EWL	A	KANCHEEPURAM						
				PHOENIX CONVEYOR BELT	A	KOLKATA			FABRIC BELT UPTO 2200 MM WIDTH, STEEL CORD BELT (FR GRADE UPTO 2400 MM WIDTH)			
				IMASS S.A	A	GREECE			FABRIC BELT UPTO 2400 MM WIDTH , STEEL CORD BELT (FR GRADE UPTO 2400 MM WIDTH			
				MRF	A	CHENNAI			FABRIC BELT UPTO 1600 MM WIDTH			
				SEMPELTRAN NIRLON	A	MUMBAI			FABRIC BELT UPTO 1600 MM WIDTH			
				HINDUSTAN RUBBER	A	SILVASA			FABRIC BELT UPTO 1600 MM WIDTH			



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S. N. क्र.सं.	Item / मद	QP / Insp. Cat. स्वरूप/ तिथि. श्रेणी.	QP No. / स्वरूप. सं.	QP Sub. Schedule स्वरूपी उप. अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमान की स्थिति /श्रेणी (NOTE-1) उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी					
66	FABRIC BELTING(FR GRADE) / STEEL CORD BELTING(FR GRADE)	I			NORTHLAND RUBBER	A	FABRIC BELT UPTO 2200 MM WIDTH.	CHP, LHP/GHP				
					SOMI CONVEYOR	A	FABRIC BELT UPTO 2000 MM WIDTH					
					RAVASCO TRANSMISSION LTD.	A	FABRIC BELT UPTO 2200 MM WIDTH					
					ORIENTAL RUBBER	A	FABRIC BELT UPTO 2200 MM WIDTH , STEEL CORD BELT (FR GRADE UPTO 2000 MM WIDTH)					
					FORECH	A	FABRIC BELT UPTO 2000 MM WIDTH , STEEL CORD BELT (FR GRADE UPTO 2200 MM WIDTH)					
					CAMOPLAST	A	STEEL CORD FR GRADE UPTO 2400 MM WIDTH					
					YOKOHAMA	A	FABRIC BELT UPTO 2400 MM WIDTH , STEEL CORD BELT (FR GRADE UPTO 2400 MM WIDTH)					
67	IDLERS	I			ELECON	A		CHP, LHP/GHP				
					MBE	A						
					KALI	A						
					AMPS	A						
					A.ADAK	A						
					BTL EPC	A						
					V V N MFG	A	Upto 150 NB Dia					

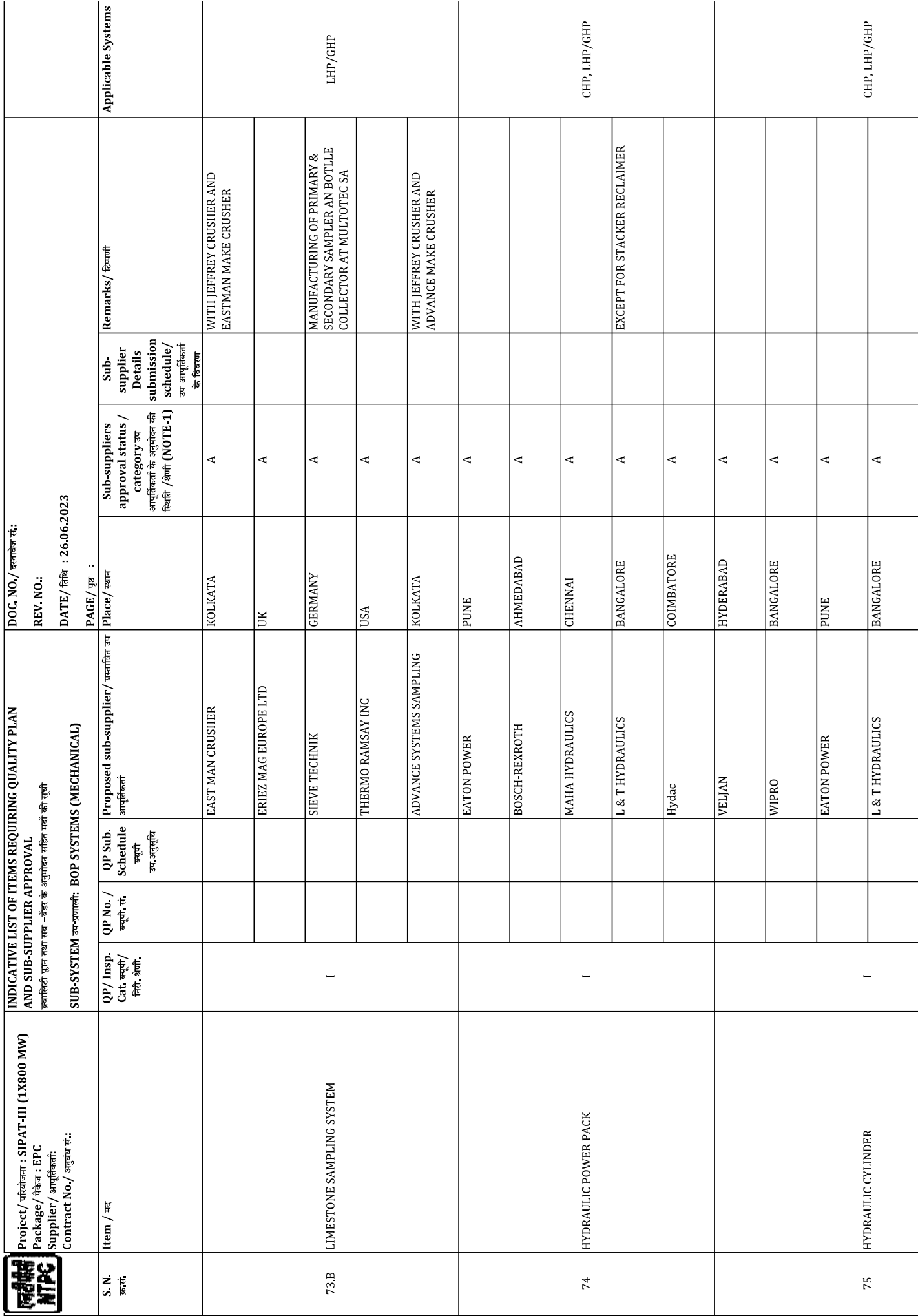
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69	HELICAL GEARBOX	I				ROLLWELL	A	HINDUPUR	Upto size 560	CHP, LHP /GHP				
						TRF <th>A</th> <th>JAMSHEDPUR</th> <td></td> <td></td> <td></td>	A	JAMSHEDPUR						
						SHANTI GEARS	A	COIMBATORE						
						ELECON	A	V V NAGAR						
						SIEMENS (FLENDER)	A	KHARAGPUR						
						PREMIUM TRANSMISSION LTD	A	PUNE/FALTA	Up to size 710 / 450					
						SIEMENS (FLENDER)	A	GERMANY						
						NEW ALLENBURY WORKS	A	KOLKATA						
						ELECON	A	V V NAGAR						
						SIEMENS (FLENDER)	A	GERMANY						
						MOVENTAS	A	GERMANY						
						DANA MOTION SYSTEMS ITALIA S.p.A	A	ITALY	(Earlier name - BREVINI)					
						MACTORQ	A	HOSUR	Upto 11 KW					
						SEW EURODRIVE GMBH & CO.	A	GERMANY						
70	PLANETARY GEARBOX	I								CHP,LHP/GHP				



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71	FLUID COUPLING (SCOOP AND TRACTION TY	I			FLUIDOMAT	A		Scoop type upto SC-1330	CHP,LHP /GHP
					PTL	A		SCOOP TYPE UPTO PST 1150	
					ELECON	A		Scoop type upto model ESC 760. 1. As part of Type test M/s Elecon will demonstrate Scoop tube in & Scoop	
					VOITH	A		SCOOP TYPE UPTO SVNL 1330	
72	SLEW RING	III			TITANUS	A			CHP, LHP /GHP
					IMO	A			
					SKF	A			
					ROTHERDE	A			
					LIEBHERR	A			
73.A	COAL SAMPLER SYSTEM	I			EAST MAN CRUSHER	A		WITH JEFFREY CRUSHER AND EASTMAN MAKE CRUSHER	CHP
					ERIEZ MAG EUROPE LTD	A			
					SIEVE TECHNIK	A		MANUFACTURING OF PRIMARY & SECONDARY SAMPLER AN BOTLLE COLLECTOR AT MULTOTEC SA	
					THERMO RAMSAY INC	A			
					ADVANCE SYSTEMS SAMPLING	A		WITH JEFFREY CRUSHER AND ADVANCE MAKE CRUSHER	





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S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. स्वी./ निरी. श्रेणी.	QP No. / स्वी./ सं.	QP Sub. Schedule उप,अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता		Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submisson schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems		
76	HYDRAULIC MOTOR	I			BOSCH-REXROTH	AHMEDABAD	A			CHP , LHP /GHP		
					Hydac	COIMBATORE	A					
					POCLAIN HYDRAULICS	FRANCE	A					
					BOSCH-REXROTH AB (FORMERLY H	SWEDEN	A					
					PARKER CALZONI	ITALY	A					
					MAHA HYDRAULICS	CHENNAI	A		UP TO 100 LITRE CAPACITY			
					KAWASAKI	UK	A					
77	HAMMER MILL CRUSHER FOR LIME STONE HANDLING SYSTEM	I			INTERNATIONAL COMBUSTION	NAGPUR	A			LHP /GHP		
					MCNALLY SAYAJI	BARODA	A					
					MCNALLY SAYAJI	KUMARDHUBI	A					
					ELECON	V V NAGAR	A					
					THYSSENKRUPP INDUSTRIES INDIA	PUNE	A					
					ECOMAN	BARODA	A		UPTO 150TPH			
					INDIANA GRATINGS PVT. LTD.	PUNE	A					



S. N. क्र.सं.	Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:	INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क़्वालिटी प्लान तथा सब -सप्लायर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)	DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :	Applicable Systems					
Item / मद	QP/ Insp. Cat. क्यूरी/ तिथि, श्रेणी.	QP No. / क्यूरी. सं.	QP Sub. Schedule क्यूरी उप,अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति / श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	
					JINDAL STEEL & POWER LTD.	RAIGARH	A		
					BABY ENGG. PVT. LTD.	TRICHY	A		
					REGIONAL ENGG. WORKS	TRICHY	A		
					AJANTHA FABS	MATHURA	A		
					CAPACITE STRUCTURES LTD.	THANE	A		
					MIURA INFRASTRUCTURE PVT. LTD.	BHILAI	A		
					SHIVAM HITECH STEELS PVT. LTD	BHILAI	A		
					TECHNOFAB MANUFACTURING LTD.	CHENNAI	A		
					JSW SEVERFIELD STRUCTURES LTD(JSSL)	BELLARY	A		
					ALLIANCE INTEGRATED METALIKS LTD(AIML)	RAJPURA	A		
					ATMASTCO PVT LTD	DURGAPUR	A		
					APEX BUILDSYS LTD	NAGPUR	A		
					COREFAB PROJECTS PVT LTD	BHILAI	A		
					KOTHARI CHEMICALS	BHILAI	A		



Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध नं.:				INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क़्वालिटी प्लान तथा सब -सप्लायर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)				DOC. NO./ दस्तावेज नं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :			
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूरी/ निर्भ. श्रेणी.	QP No. / क्यूरी, नं.	QP Sub. Schedule उप, अनुसूचि	Proposed sub-supplier / अपुर्तिकर्ता	Sub-suppliers approval status / category उप अपुर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप अपुर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems		
78	SHOP FABRICATED STRUCTURE	1			FEDDERS LLOYD CORPORATION LTD	A			CHP/LHP/GHP		
					ARCELOR MITTAL DHAMM PROCESSING PVT LTD	A					
					ARTSON ENGINEERING	A					
					ARTSON ENGINEERING	A					
					HEAVY ENGINEERING WORKS	A					
					ARCELORMITTAL NIPPON STEEL INDIA LTD	A					
					TRIDENT FABRICATORS PVT LTD	A					
					GREAT INDIA STEEL FABRICATORS	A					
					METALFAB HITECH	A					
					SUPERTECH INDIA	A					
					GOODLUCK STEEL	A					
					BTL	A					
					BTL	A					
					AMIYA COMMERCE	A					



INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क़्वालिटी प्लान तथा सब -सप्लायर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)					DOC, NO./ दस्तावेज नं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				Applicable Systems	
S. N. क्र.सं.	Item / मद	Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध नं.:	QP/ Insp. Cat. बर्ग/ तिथि, श्रेणी.	QP No. / बर्ग, नं.	QP Sub. Schedule उप, अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	
79	Steel Cord Pipe Conveyor (FR Grade)		I			NAMDHARI INDUSTRIAL	A			
						THYSSENKRUPP INDUSTRIES INDIA	A			
						Phonix Cnoveyor belt	A		Upto 2400 MM B/w	
						Oriental Rubber	A		Upto 2000 MM B/w	
						Forech India Pvt Ltd	A		Upto 2200 MM B/w	
80	PIPE-SS ASTM A 312		II			REMI	A		ERW UPTO 400 NB,SEAMLESS UP TO 200NB	
						RATNAMANI	A		ERW UPTO 500 NB, SEAMLESS UPTO 50 NB ONLY	
						RATNAMANI	A		ERW UPTO 400 NB, SEAMLESS UPTO 50 NB ONLY, ARC WELDED UP TO 450NB	
						BHANDARI FOILS & TUBES LIMITED	A		ERW UP TO 300NB	
						APEX	A		ERW UPTO 400 NB, SEAMLESS UPTO 50 NB.	
81	PIPE-SS STAMI FCC ASTM A 106		II			PRAKASH STEELAGE	A		ERW UP TO 203NB	
						SHUBHLAXMI METALS AND TUBES	A		SEAMLESS UP TO 150MM and ERW UP to 250 NB Sch 40S	
						ISM T	A		UPTO 273 MM OD	
						ISM T	A		UPTO 273 MM OD	



 NTPC		Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:				INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क़्वालिटी प्लान तथा सब -सप्लायर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)				DOC, NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :					
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप, अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी			Applicable Systems			
82	HCSD PUMP	I			REMI	BHARUCH	A		UPTO 177.8 MM OD						
					MAHARASHTRA SEAMLESS	RAIGAD	A		UPTO 500 NB						
					WEIR MINERALS	NETHERLANDS	A								
					ABEL	GERMANY	A								
					PELUWA	GERMANY	A								
ITEM WITH MAIN CONTRACTOR / BIS APPROVED SOURCES.															
1	BRANCH PIPE , COUPLING & NOZZLE (SS & GN	II				BIS APPROVED SOURCES WITH VALID BIS LICENSE						FDPS			
2	FIRE EXTINGUISHER	II				BIS APPROVED SOURCES WITH VALID BIS LICENSE						FDPS			
3	WATER MONITOR	II				BIS APPROVED SOURCES WITH VALID BIS LICENSE									
4	PIPES-MS- (BLACK/ GI) AS PER IS:1239 & IS:3589 UPTO 1000 NB	II				(BIS MARKED, MANUFACTURERS WITH VALID BIS LICENSE)						WTP,CW,CT,CPU,FDP S,AC&VENTILATION, CHP,LHP&GHP,AHP			
5	FIRE HOSE	II				BIS APPROVED SOURCES WITH VALID BIS LICENSE						FDPS			
6	HYDRANT VALVE	II				BIS APPROVED SOURCES WITH VALID BIS LICENSE									
7	PIPES FOR IDLERS IS 9295	III				BIS APPROVED SOURCES WITH VALID BIS LICENSE					FDPS				
8	BLOWERS -CENTRIFUGAL >=5KW	II			MAIN CONTRACTOR APPROVED SOURCES						WTP				



	Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:				INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL इश्वरलिटी प्रुन तथा सब -वेंडर के अनुमोदन सहित मदों की सूची SUB-SYSTEM उप-प्रणाली: BOP SYSTEMS (MECHANICAL)				DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :				Applicable Systems
	S. N. क्र.सं.	Item / मद	QP/ Insp. Cat, स्क्रूरी/ निति, श्रेणी.	QP No. / स्क्रूरी, सं.	QP Sub. Schedule स्क्रूरी उप,अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी			
9	CIO2 GENERATOR	II				MAIN CONTRACTOR APPROVED SOURCES					WTP		
10	JOINT /FITTING COATING MATERIAL(SLEEVE) FOR 3 LPE PIPES	II				MAIN CONTRACTOR TO PROPOSED VENDOR FOR NTPC APPROVAL					MUW		
11	PIPING FABRICATION -HP>300PSI	II				MAIN CONTRACTOR APPROVED SOURCES					WTP,CPU		
12	PUMP-METERING/DOSING	II				MAIN CONTRACTOR APPROVED SOURCES					WTP,CPU		
13	PUMP - PP- ACID/ ALKALI UNLOADING	II				MAIN CONTRACTOR APPROVED SOURCES					WTP,CPU		
14	PUMPS-SCREW TYPE	II				MAIN CONTRACTOR APPROVED SOURCES					WTP,CPU,FOH		
15	RUBBER LINING OF TANKS/ VESSELS/ PIPES/ VALVES/FITTINGS	II				MAIN CONTRACTOR APPROVED SOURCES					WTP,CPU		
16	RO PRESSURE TUBE	II				MAIN CONTRACTOR APPROVED SOURCES					WTP		
17	TUBE SETTLER MEDIA	II				MAIN CONTRACTOR APPROVED SOURCES					WTP		
18	WRAPPING & COATING MATERIAL -ANTI CORROSIVE TAPE	II				MAIN CONTRACTOR APPROVED SOURCES					CW,CT,LP PIPING, FDPS		
19	FAN CYLINDER SEGMENTS-FRP-COOLING TOWER	II				MAIN CONTRACTOR APPROVED SOURCES					CT		
20	FILLS (PVC)	II				MAIN CONTRACTOR APPROVED SOURCES					CT		
21	SHAFT-CARDON TYPE-CW PUMP	II				MAIN CONTRACTOR APPROVED SOURCES					CW		
22	DUST EXTRACTION SYSTEM	I				MAIN CONTRACTOR'S APPROVED SOURCES				BOIs SHALL BE FROM NTPC APPROVED SOURCES	CHP, LHP/ GHP		

Project/ परियोजना : SIPAT-III (1X800 MW) Package/ पैकेज : EPC Supplier/ आपूर्तिकर्ता: (Contract No./ अनुबंध सं.:		INDICATIVE LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL प्रस्तावित गुण तथा सब –वेडर के अनुमोदन सहित मॉदों की सूची SUB-SYSTEM उप-उपगोली: BOP SYSTEMS (MECHANICAL)					DOC. NO./ दस्तावेज सं.: REV. NO.: DATE/ तिथि : 26.06.2023 PAGE/ पृष्ठ :			
S. N. क्र.सं.	Item / मद्द	QP/ Insp. Cat. स्वामी/ निरी. श्रेणी.	QP No. / स्वामी. सं.	QP Sub. Schedule स्वामी उप,अनुमति	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी (NOTE-1)	Sub- supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण	Remarks/ टिप्पणी	Applicable Systems
23	DUST SUPPRESSION SYSTEM (PLAIN WATER)	I			MAIN CONTRACTOR'S APPROVED SOURCES				BOIS SHALL BE FROM NTPC APPROVED SOURCES	CHP, LHP/GHP
24	DUST SUPPRESSION SYSTEM (DRY FOG)	I			MAIN CONTRACTOR'S APPROVED SOURCES				BOIS SHALL BE FROM NTPC APPROVED SOURCES	CHP, LHP/GHP
Note-1 Items for which Sub-QR is envisaged, vendors are accepted subject to Sub-QR clearance from NTPC Engg.										
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 मॉदों के लिए प्रस्तावित वेडर एलटीपीसी को स्वीकार्य है। अनुमोदन की शर्तें, यदि कोई हों, के साथ-साथ सब "क" में उचित किया जाए।										
DR – For these items “Detailed required” for NTPC review. To be identified with letter “DR” in the list, एलटीपीसी द्वारा इन मॉदों की समीक्षा के लिए “विस्तृत व्यौर की आवश्यकता” होगी। सूची में “DR” पत्र में उचित किया जाना चाहिए।										
QP / INSPECTION CATEGORY:										
CAT-I / श्रेणी- I: For these items the Quality Plans are approved by NTPC and the final acceptance will be on physical inspection witness by NTPC. इन मॉदों के लिए गुणवत्ता योजनाओं को एलटीपीसी द्वारा अनुमोदित किया जाता है और एलटीपीसी द्वारा अंतिम स्वीकृति भौतिक निरीक्षण के दौरान उपलब्ध गवाह के आधार पर दी जाएगी।										
CAT-II / श्रेणी- II: For these items the Quality Plans approved by NTPC. However no physical inspection shall be done by NTPC. The final acceptance by NTPC shall be on the basis review of documents as per approved QP. इन मॉदों के लिए गुणवत्ता योजनाओं को एलटीपीसी द्वारा अनुमोदित किया जाता है। हालाँकि एलटीपीसी द्वारा कोई भी भौतिक निरीक्षण नहीं किया जाएगा। एलटीपीसी द्वारा अंतिम स्वीकृति अनुमोदित व्यौर के अनुसार दस्तावेजों की समीक्षा के आधार पर दी जाएगी।										
CAT-III/ श्रेणी-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 इकाईया / कार्य; Place of manufacturing/ निर्माण का स्थान Place of Main Supplier of multi units/works/बहु- इकाइयों / कार्यों के मुख्य सप्लायर का स्थान.										
FORMAT NO./ प्रारूप सं: QS-01-QAI-P-1B/F1-R0 Engg. Div. / QA&I										



एनटीपीसी NTPC		Project/ परियोजना : SIPAT-III (1X800MW)				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL स्थापिती प्लान तथा सब-सप्लायर के अनुमोदन सहित मदी की सूची				DOC. NO./ दस्तावेज सं.:			
		Package/ पैकेज: EPC PACKAGES				Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता				Sub-supplier Details		Remarks/ टिप्पणी	
		Supplier/ आपूर्तिकर्ता:											
		Contract No./ अनुबंध सं.:											
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि					Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची		
1	GENERATOR	CAT I				BHEL	Siemens	Germany	Haridwar	A			
						GE	Siemens	Sanand		A			
						GE		POLAND		A			
							MELCO	JAPAN		A			
							LMTG	Hazira		A			
							Hitachi	Japan		A			
							Toshiba	Japan		A			
							TJPS	Chennai		A			
2	IPBD	CAT I				BHEL			Rudrapur	A			
						C&S ELECTRIC			Haridwar	A			
3	Power Transformers	CAT I				ABB			Sweden	A		Up to 765 KV Class	
						ABB			Vadodara	A		Up to 765 KV Class	
						Toshiba			Japan	A		Up to 765 KV Class	
						CG Power & Industrial Solutions Ltd			Mandideep	A		Up to 765 KV class	
						BHEL			Bhopal	A		Up to 400 KV Class	
						Siemens			Mumbai	A		Up to 400 KV Class	
						GE T&D India Limited			Naini	A		Up to 400 KV Class	
						GE T&D India Limited			Vadodara	A		Up to 765 KV Class	
						TELK			Angamally	A		Up to 400 KV Class	
4	Shunt Reactor	CAT I				ABB			Sweden	A		Up to 765 KV Class	
						ABB			Vadodara	A		Up to 765 KV Class	
						Toshiba			Japan	A		Up to 765 KV Class	
						CG Power & Industrial Solutions Ltd			Mandideep	A		Up to 765 KV class	
						BHEL			Bhopal	A		Up to 400 KV Class	
						Siemens			Mumbai	A		Up to 400 KV Class	
						GE T&D India Limited			Vadodara	A		Up to 765 KV Class	
						GE T&D India Limited			Naini	A		Up to 400 KV Class	
5	Auxiliary Oil Filled Transformers	CAT I				BHEL			Jhansi	A		Up to 220 KV Class	
						Indotech Transformers			Chennai	A		Up to 16 MVA, 11 KV Class	
						Kanohar			Meerut	A		Up to 16 MVA, 33 KV Class	
						Kirloskar Electric Company Limited			Mysore	A		Up to 16 MVA, 33 KV Class	
						Schneider			Vadodara	A		Up to 50MVA, 132 KV Class	
						Transformers & Rectifiers Ltd.			Ahmedabad	A		Up to 90 MVA, 132 KV Class	
						Volamp			Savli	A		Up to 3.5 MVA, 33 KV Class	
6	LT Switchgear-Floor mounted Draw out type indoor switchgear Panel (MCC etc.)	CAT I											
						Schneider (formerly L&T)			Mumbai / Combatore/ Ahmednagar	A			
						C&S Electric			Noida / Haridwar	A			
						Schneider			Nasik	A			ACB from Schneider, France
						Siemens			Kalwa	A			Conditions apply
						Schneider			Vadodara	A			
7	LT Switchgear - Floor mounted Fixed type indoor LT Switchgear Panel (ACDB / DCDB)	CAT I											
						Schneider (formerly L&T)			Mumbai / Combatore/Ahmednagar	A			
						C&S Electric			Noida/ Haridwar	A			
						Schneider			Nasik	A			

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					Siemens Schneider	Kalwa Vadodara	A A					
8	11KV/3 3KV Switchgear- (MV Switchgear Panel)	CAT I			BHEL Megawin Schneider Electric India (Formerly L&T) Siemens ABB Schneider (Salt lake works) Schneider	Bhopal Salem Ahmednagar Mumbai Nasik Kolkata Vadodara	A A A A A A A	Upto 33KV Upto 33KV Upto 33KV Upto 33KV Upto 11KV Upto 11KV				
8.1	Fast Bus Transfer panel along with relay	CAT I			Aartech ABB SEL	Parvanoo Vadodara Delhi	A A A	conditions apply conditions apply conditions apply				
9	HT Motor											
9.1	HT Motors (CW PUMP MOTOR)	CAT I			WEG HYOSUNG BHEL	BRAZIL S.KOREA BHOPAL	A A A	UPTO 3405KW,11KV UPTO 2800KW,6.6KV				
9.2	HT MOTORS (BFP Motor)	CAT I			HYOSUNG BHEL HYUNDAI	SOUTH KOREA BHOPAL SOUTH KOREA	A A A	UPTO 11KV 13.5 MW RQP UPTO 11KV 17 MW				
9.3	HT MOTORS (ID Fan Motors)	CAT I			HYOSUNG WEG BHEL HYUNDAI TMEIC	SOUTH KOREA HOSUR BHOPAL SOUTH KOREA BENGALURU	A A A A A	UPTO 11KV 13.5 MW UPTO 11KV 2150 KW UPTO 11KV 14 MW RQP UPTO 11KV 17 MW UPTO 11 KV 5000 KW				
9.4	HT MOTOR FOR OTHER EQUIPMENTS	CAT - I			HYOSUNG WEG BHEL HYUNDAI TECO TMEIC CONVERTEAM	KOREA BRAZIL HOSUR BHOPAL KOREA TAIWAN JAPAN FRANCE	A A A A A A A	UPTO 11KV 13.5 MW UPTO 11KV 2150 KW UPTO 11KV 14 MW RQP UPTO 11KV 17 MW UPTO 11KV 12 MW UPTO 11KV 14 MW UPTO 11KV 18 MW (*DOCUMENTS FOR NAME CHANGE TO GE CONVERTEAM SHALL BE SUBMITTED FOR APPROVAL)				
					ABB	VADODARA	A	UPTO 6.6KV 2500 KW 11KV 2000 KW FOR PUMP/ FAN/ COMPRESSOR UPTO 6.6KV 750KW FOR MILL, UPTO 6.6 KV 1300KW FOR CRUSHER WITH SCOOP COUPLING				
					JILIN	KOREA	A	UPTO 11KV 2900 KW, 6.6KV 2500 KW				
					JYOTI	VADODARA	A	UPTO 6.6 KV 2250 KW EXCEPT CRUSHER & MILL APPLICATION				
					MARATHON	KOLKATA	A	RQP, UPTO 6.6 KV 1300 KW FOR CRUSHER WITH SCOOP COUPLING & 11 KV 1600 KW FOR OTHER APPLICATION EXCEPT CRUSHER & MILL				
					CGL (D5 INDUSTRIAL AREA)	MANDIDEEP	A	UPTO 1650 KW 6.6 KV, 1350 KW 11 KV FOR PUMP, FAN, COMPRESSOR, UPTO 3.3 KV 335 KW WITH FLEXIBLE COUPLING FOR MILL APPLICATION				
					CGL (PLOT 9)	MANDIDEEP	A	UPTO 11 KV 4MW FOR PUMP/FAN/COMPRESSOR				
					CG ELECTRIC SYSTEM	HUNGARY	A	UPTO 3.3 KV 1100 KW				

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27.2	ALUMINIUM TUBE	CAT I					JSK	SILVASSA	A								
							LUMINO	KOLKATA	A								
							SARAVATHY	BANGALORE	A								
							HIREN ALUMINIUM	SILVASSA	A								
							SMITA	GHAZIABAD	A								
							ALOM EXTRUSIONS UNIT-II	BALASORE	A								
							BANCO	VADODARA	A								
							CENTURY EXTRUSION	KOLKATA	A								
							HINDALCO	RENUKOOT	A								
							HINDALCO	ALUPURAM	A								
							JINDAL ALUMINIUM	BANGALORE	A								
							SUDAL	NASIK	A								
28	SUB STATION AUTOMATION SYSTEM (BCU, GRP, ENERGY METER, NUMERICAL RELAYS, SWITCHYARD PROTECTION)	CAT I															
							GE T&D	CHENNAI	A								
							ABB	PEENYA	A								
							SCHNEIDER	NODA	A								
							SIEMENS	KALWA/GOA	A								
							BHEL	BHOPAL	A								
29	AB Tariff energy meter	CAT I					SEMS	Udaipur/Solan	A								
							Elster	Mumbai	A								
							L&T	Mysore	A	For Model ER300P With CMS software.							
30	Power Conditioning Unit (PCU)	CAT I															
							Schneider	Bangalore	A	Conditions apply							
							ABB	Bangalore	A	Conditions apply							
							Bongfiglioli	Germany	A	Conditions apply							
							Fecon	Germany	A								
							AEG	Bangalore	A	Conditions apply							
							Hitachi-Hirel	Gandhinagar	A	Conditions apply							
							Hitachi-Hirel	Sananad	A	Conditions apply							
							Vacon	Bangalore	A	Conditions apply							
30.1	String Monitoring Box (SMB)	CAT II															
							Trinity Touch	Palwal	A	Conditions apply							
							Hensel	Sriperumbudur	A	Conditions apply							
							AEG	Bangalore	A	Conditions apply							
							Statcon	Pilkuwa	A	Conditions apply							
							Wedmuller	Spain	A	Conditions apply							
31	SPV module	CAT I															
							BHEL	Bangalore	A								
							Warree	Surat	A								
							Emmvee	Bangalore	A								
							Vikram Solar	Parganas	A								
							Lanco Solar	Chattisgarh	A								
							Tata Power Solar	Bangalore	A								
							Alpex	Solan	A								
							Synergy	Durgapur	A								
							Photonix	Satara	A								
							HHV Solar	Bangalore	A								
32	Lighting mast with raise & lower type lantern carriage/ Lighting poles polygonal type	CAT I															
							Bajaj	Pune	A								
							BP Projects	Hoogly	A								

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33	132 KV cable termination & straight through jointing kits	CAT I			Skipper Transrail	Howrah Silvassa	A A			
					Iijin	South Korea	A			
					ABB Kabledon	Sweden	A			
					Pfisterer AG	Switzerland	A			
					Tyco Electronics Raychem GmbH	Germany	A			
34	Air Insulated Non Segregated phase type LT busduct	CAT I								
					C&S Electric	G.Noida	A			
					C&S Electric	HARIDWAR	A			
					Unilec	Gurgaon	A			
					Stardrive	Chennai	A			
					Spaceage Swgr Ltd	Bawal	A			
					REEP	Chennai	A			
					Enpro	Chennai	A			
					Godrej	Banglore	A			
					Nitya Electrocontrols	Noida	A			
34.1	Sandwitched type LT Busduct	CAT I								
					Henikwon	Malaysia	A			
					Godrej	Banglore	A			
					C&S	HARIDWAR	A			
35	SPBD	CAT I								
					BHEL	Rudrapur	A			
					C&S	Greater Noida	A			
					C&S	Haridwar	A			
					GODREJ & BOYCE MANUFACTURING COMPANY LTD	Bangalore	A			
					Powergear	Hindupur	A			
					Powergear	Chennai / Bangalore	A			
					KGS Engg.	Chennai	A			
36	LT MOTOR	CAT I								
					ABB	FARIDABAD	A			
					ABB	BANGALORE	A			
					JYOTI LTD.	VADODARA	A			
					TPM	JAPAN	A			
					HYOSUNG	SOUTH KOREA	A			
					WEG	BRAZIL	A			
					HYUNDAI	SOUTH KOREA	A			
					LHP	SOLAPUR	A			
					CGL	AHMEDNAGAR	A			
					TMEIC	JAPAN (NAGASAKHI)	A			
					NGEF	BANGALORE	A			
					BHARAT BILEE	MUMBAI	A			
					KEC	BANGALORE/ HUBLI*	A			
					MARATHON	KOLKATA	A			
					ABB	SWEDEN	A			
					HAVELL	NEEMRANA	A			
					KAWAMATA	JAPAN	A			
					TIPS	JAPAN	A			
36.1	DC Motor	CAT I								
					CGL	MANDIDEEP	A			
37	LT VFD Control Panel	CAT I								

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					Powertech	Sonepat			Upto 55 KW with following conditions: i) VFD from Schneider- France, upto 415V, 50KW. ii) Enclosure & bought out items shall be from NTPC acceptable makes & iii) Engineering support for integration will be provided by Schneider/ Authorized integrator of Schneider				
					DANFOSS	Oragadam	A		(upto 690V, 1200KW), VFD drives with VFD sourced from Danfoss-Denmark/USA and Panel sourced from Rittal				
					YASAKAWA	Japan	A		VFD from Yaskawa- Japan, Upto 415V, 132KW				
					ROCKWELL AUTOMATION	SAHIBABAD	A		VFD from Rockwell(Allen Bradley)- USA, (Upto 415 V, 600 KW)				
					ABB	BANGALURU	A		VFD from ABB-Finland, Upto 690V, 750 KW				
					SIEMENS	NASIK	A		VFD from SIEMENS- Germany, Upto 690V,900KW				
					VACON	BANGALORE	A		VFD(NXP model) from VACON Finland, upto 400KW,415V and upto 900KW, 690V				
37.1	MV VFD Control Panel	CAT I			HITACHI HI REL POWER ELECTRONICS PVT. LTD	SANAND	A		UP TO 11KV				
					TMEIC INDUSTRIAL SYSTEMS INDIA PRIVATE LIMITED	TUMKUR	A		UP TO 11KV				
38	Elevator (GEAR TYPE)	CAT I											
					ECE INDUSTRIES,	Ghaziabad	A						
					TECHNO INDUSTRIES LTD.,	AHMEDABAD	A						
					BHARAT ELEVATORS ENGG. PVT. LTD.,	KOLKATA	A						
					OTIS	MUMBAI	A						
					KONE ELEVATORS INDIA PVT. LTD.,	CHENNAI	A						
					OMEGA ELEVATORS	AHMEDABAD	A						
					SAMIL ELTEC CO.LTD.	SOUTH KOREA	A						
					ORBIS ELEVATOR CO. LTD.,	AHMEDABAD	A						
39	HVR Transformer & EC Panel	CAT I											
					ADOR Powertron	Pune	A						
					BHEL	Jhansi	A						
40	Panel Type Hopper Heater	CAT I											
					HTD	USA	A						
					Hotfoil EHS	USA	A						
					HTD HEAT TRACE(I) Pvt Ltd	Hyderabad	A						
					Thermon	USA	A						
					Thermopads(Unit-II)	Jeedimetla	A						
					Thermon	Pune	A						
41	Neutral Grounding Transformer	CAT II											
					Pragati Electrical Pvt. Ltd	Mumbai	A						
					Bharat Bijlee Ltd	Navi Mumbai	A						
					Prayog Electrical Ltd	Pune	A						
					Andrew Yule	Chennai	A						
42	L.T Switchgear - Floor mounted Fixed type indoor LT Switchgear Panel (MLDB)	CAT I											
					Switching Circuits	Kolkata	A						
					Hindustan Control & equipment Ltd	Kolkata	A		With fabrication & painting at unit II & MP Electrical Narendrapur				
					Makrel	Vadodara	A		Prior Type Testing				
					Jakson	Greater Noida	A						
					Vidvut Control	Gaziabad	A						

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					Adlec Power	Rohad (Jhajjar)	A				
					Conquerent Control System	Manesar	A				
					Control & Schematics	Hyderabad	A	Condition apply upto 1250A			
					Positronics	Vadodara	A				
					Schneider (formerly L&T)	Mumbai / Coimbatore/Ahmednagar	A				
					GE	Bangalore	A				
					C&S Electric	Noida/ Haridwar	A				
					Schneider	Nasik	A				
					Pyrotech	Udaipur	A				
					Siemens	Kalwa	A				
					Tricolite	Sahibabad/Manesar	A				
					Schneider	Vadodara	A				
					Nitya Electrocontrols	Noida	A				
43	Rectifier Panel For Hydrogen Generation Plant	CAT I									
					RUTTONSHA INTERNATIONAL RECTIFIERS LTD	HALOL, GUJRAT	A				
					Hind Rectifier	MUMBAI/NASIK	A				
	A- MAJOR COMPONENTS OF BHEL MAKE GENERATOR (AS PER OEM SPECIFIC DESIGN):										
44	STATOR FRAME FABRICATION	CAT I									
					BHEL-HEEP	HARIDWAR	A				
44.1	STATOR FRAME MACHINING	CAT II									
					BHEL-HEEP	HARIDWAR	A				
45	SPRING BASKET	CAT II									
					BHEL-HEEP	HARIDWAR	A				
45.1	CORE BAR	CAT II									
					BHEL-HEEP	HARIDWAR	A				
45.2	FLUX TRAP	CAT II									
					BHEL-HEEP	HARIDWAR	A				
45.3	FLAT SPRINGS AND BASKET ASEMBLY	CAT II									
					BHEL-HEEP	HARIDWAR	A				
45.4	RIPPLE SPRING	CAT II									
					KREMPAL GMBH	GERMANY	A				
45.5	TENSION BOLT FOR STATOR CORE (INSULATED)	CAT II								STAMPINGS FROM BHEL CSU JAGDISIPUR	
					BHEL-HEEP	HARIDWAR	A				
45.6	CORE PRESS RING	CAT II									
					BHEL-HEEP	HARIDWAR	A				
46	ETS MATERIAL	CAT II									
		II			THYSSEN KRUPP ELECTRICAL STEEL	NASIK	A				
		II			ARCELOR MITTAL INTERNATIONAL	LUXAMBOURG	A				
		II			THYSSENKRUPP MATERIAL TRADING	GERMANY	A				
		I			POSCO	RAIGARH	A				
		I			JSW	BELLARY	A				
		II			ALLOVERZE	GERMANY	A				
		CAT II									
47	STATOR LAMINATION				BHEL-CSU	JAGDISHPUR	A				
		CAT II									
48	BUS BAR CONNECTION TUBES				LUVATA PORI	FINLAND	A				
					BUNT METAL	AUSTRIA	A				
					KME GERMANY GMBH & CO. KG	GERMANY	A				
48.1	CONNECTING BUS BAR	CAT I			BHEL	HARIDWAR	A				

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49	SOLID COPPER CONDUCTOR (FOR STATOR BAR)	CAT I											
		I			PEARL INSULATIONS	BANGLORE	A						
		I			MAHENDRA INDUSTRIES	BANGLORE	A						
		II			VONROLL	SWITZERLAND	A						
		II			GEBAUER & GRILLER	AUSTRIA	A						
49.1	HOLLOW SS CONDUCTOR (STATOR BAR)	CAT II											
		II			FINE TUBES LTD.	ENGLAND	A						
50	OVER HANG SUPPORT RING	CAT II											
					ROEHLING ENGINEERING PLASTICS	GERMANY	A						
					POWER & COMPOSITE TECHNOLOGIES	USA	A						
51	WATER SUPPLY HOSE (INSULATED)	CAT I											
		II			DR SCHNABEL GMBH & CU KG LIMBURG	GERMANY	A						
		II			CRANE RESISTOFLEX	USA	A						
		I			MIL INDUSTRIES LIMITED	CHENNAI	A						
52	BAFFLE RING & BAFFLE RING CARRIER MACHINING	CAT I											
					BHEL-HEEP	HARIDWAR	A						
53	STATOR WINDING BAR	CAT I											
					BHEL-HEEP	HARIDWAR	A						
54	GENERATOR SHAFT FORGING	CAT II											
					BUDERUS EDELSTAHL	GERMANY	A						
					JSW	JAPAN	A						
					SAARSCHMIEDE	GERMANY	A						
					JCFC	JAPAN	A						
					PJSC Energomashpetstal	Ukraine	A						
					DOOSAN HEAVY INDUSTRIES & CONSTRUCTION CO. LTD.	SOUTH KOREA	A						
					SDE-TURNI	ITALY	A						
54.1	GENERATOR SHAFT MACHINING	CAT I											
					BHEL-HEEP	HARIDWAR	A						
55	CURRENT CARRYING BOLTS FOR ROTOR	CAT II											
					BHEL HEEP	HARIDWAR	A						
56	SILVER BEARING COPPER HOLLOW STRIPS (ROTOR COIL)	CAT II											
					BUNT METAL	AUSTRIA	A						
					BOASHIDA SWISS METAL	SWITZERLAND	A						
57	ROTOR COIL FORMING	CAT II											
					BHEL HEEP	HARIDWAR	A						
58	ROTOR SLOT ANGLE	CAT II											
					SAHNEY KIRKWOOD PVT. LTD.	NASIK	A						
					ABB SWITZERLAND LTD.	SWITZERLAND	A						
					VON ROLL ISOLA	FRANCE	A						
58.1	WEDGES FOR ROTOR (DAMPER +SLOT)	CAT II											
					KM EUROPA	GERMANY	A						
					BOASHIDA SWISS METAL	SWITZERLAND	A						
					LUVATA (OUTO KUMPU PORI)	FINLAND	A						
					BUNT METAL	AUSTRIA	A						
59	RETAINING RING	CAT II											
					SAARSCHMIEDE	GERMANY	A						
					ENERGIETECHNIK	GERMANY	A						
					JSW	JAPAN	A						

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59.1		RETAINING RING MACHINING	CAT I			BHEL-HEEP	HARIDWAR	A			
60		FAN BLADE FOR COMPRESSOR M/C	CAT I			BHEL-HEEP	HARIDWAR	A			
60.1		FAN BLADE FOR COMPRESSOR (RAW MATERIAL) - HW10786 -X20Cr 13	CAT I								
60.2		COMPRESSOR HUB M/C & ASSEMBLY	CAT I			Refer Steam Turbine List for same grade material for blade bars		A			
61		BEARING SHELL FORGING (GENERATOR)	CAT II			BHEL-HEEP	HARIDWAR	A			
62		BEARING COMPLETE (EXCITER)	CAT I			BHEL-CFFP	HARIDWAR	A			
						RENK AG	GERMANY	A			
						ZOLLERN	BRAZIL	A			
						EURO BEARINGS	ITALY	A			
63		END SHIELD FABRICATION & MACHINING	CAT I			BHEL-HEEP	HARIDWAR	A			
64		TERMINAL BOX FABRICATION	CAT I			BHEL-HEEP	HARIDWAR	A			
64.1		TERMINAL BOX MACHING	CAT I								
65		HYDROGEN COOLER MAIN ITEMS	CAT I			BHEL-HEEP	HARIDWAR	A			
65.1		TUBES FOR COOLERS (BRASS / COPPER TUBES)	CAT II								
						MULTIMETALS	KOTA	A			
						Mehia Tubes Pvt Ltd	VAPI	A			
						METAL ALLOYS	JAMNAGAR	A			
65.2		FINNING OF COOLER TUBES	CAT I			LAXMI ENGINEERING INDUSTRIES	BHOPAL	A			
						LORD VISHWAKARMA HEAT EXCHANGE	HARIDWAR	A			
						FITWELL CORPORATION	BHOPAL	A			
65.3		HYDROGEN COOLER	CAT I								
						BHEL-HEEP	HARIDWAR	A			
66		PW COOLER & SEAL OIL COOLER	CAT I								
						BHEL-HEEP	HARIDWAR	A			
						ALFA LAV AL (INDIA) LIMITED	PUNE	A			
						TRANTER INDIA PVT. LIMITED	PUNE	A			
67		SEAL OIL PUMP & PRIMARY WATER PUMP	CAT I								
						TUSHACO PUMPS	DAMAN	A			
						KSB INDIA	PUNE	A			
						SULZER INDIA	NAVIMUMBAI	A			
68		PW SYSTEM/SKID	CAT I								
						BHEL-HEEP	HARIDWAR	A			
69		SEAL OIL SYSTEM/SKID	CAT I								
						BHEL-HEEP	HARIDWAR	A			
70		TERMINAL BUSHING	CAT II								
						TRENCH FRANCE SAS	FRANCE	A			
						HSP HOCHSPANNUNGSGERAETE GMBH	GERMANY	A			
71		HYDROGEN DRIER (REFRIGERANT TYPE)	CAT I								
						JINDAL ELECTRONICS	ROORKEE	A			
						MELLCON ENGS PVT	NEW DELHI	A			
						SPAN	ROORKEE	A			

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72	RC BLOCK	CAT I			ZENTRONICS SYSTEMS	HYDERABAD	A						
NOTE	1. CHECKS FOR STATOR CORE ASSLY. STATOR WINDING ASSEMBLY, ROTOR WINDING ASSLY, GENERATOR ROTOR -FINAL BEARING ASSEMBLY/SHAFT SEAL ASSEMBLY, EXCITER ASSLY (MAIN & PILOT), EXCITER TEST RUN, GENERATOR ASSEMBLY AT WORKS INCLUDING TERMINAL BUSHING & GENERATOR WORKS RUN TEST SHALL BE FINALIZED DURING DETAILED ENGINEERING/MQP FINALIZATION FOR THE RESPECTIVE OEMs. 2. For Raw Material/Components/Items of Generator which are not appearing in the above list, their OEM approved sources shall be tied up during Detailed Engineering/ MQP finalization.												
	B- MAJOR COMPONENTS FOR L&T MAKE GENERATOR (AS PER OEM SPECIFIC DESIGN):												
73	STATOR FRAME WITH MAN HOLE COVER FABRICATION & MACHINING (Generator Stator Frame fabrication & Machining)	CAT I											
					MITSUBISHI ELECTRIC	JAPAN	A						
					LMTG	HAZIRA	A						
74	CORE BOLT ASSEMBLY (Core Bolt assembly in stator frame)	CAT I											
		II			MITSUBISHI ELECTRIC	JAPAN	A						
		I			LMTG	HAZIRA	A						
75	BORE RING FOR STATOR FABRICATION (Bore ring Fabrication & M/c)	CAT I											
		II			MITSUBISHI ELECTRIC	JAPAN	A						
		I			LMTG	HAZIRA	A						
		I			MANJUNATH	BANGALORE	A						
76	END PRESSURE PLATE (CORE PRESSURE RING AND FINGER (Finger Plate)	CAT I											
		II			MITSUBISHI ELECTRIC	JAPAN	A						
		I			RV ENGG	BALLABGARH	A						
77	STATOR CORE PUNCHING & SHIELD CORE PUNCHING	CAT I											
		II			MITSUBISHI ELECTRIC	JAPAN	A						
		I			PITTI LAMINATION	HYDERABAD	A						
78	TENSION BOL.T FOR STATOR CORE(UNSLATED)(CORE BOLT)	CAT II											
79	LEAD BOX FABRICATION & MACHINING	CAT I			MITSUBISHI ELECTRIC	JAPAN	A						
		II			MITSUBISHI ELECTRIC	JAPAN	A						
		I			LMTG	HAZIRA	A						
		I			JSPL	RAIPUR	A						
80	OVER HANG SUPPORT RING(RESIN CONE)	CAT II											
		II			HITACHI CHEM	JAPAN	A						
		II			PCT	USA	A						
		II			ROCHLING	GERMANY/ France	A						
81	CORE TENSION BOLT (UNINSULATED) FOR STATOR (Core bolt)	CAT I											
		II			MITSUBISHI	JAPAN	A						
		I			STAR WIRE	BALLABGARH	A						
82	OVERHANG SLIDING SYSTEM (Part of stator winding Assembly)	CAT I											
		II			MITSUBISHI ELECTRIC	JAPAN	A						

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				</								

CS Casting for Generator Bracket Hub of Bearing bracket,
Ni-alloy casting for Generator Blower Shroud & Shield
clamper, modular cast iron casting for Shroud support.

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			I			MITSUBISHI ELECTRIC	JAPAN	A				
			I			LMTG	HAZIRA	A				
93		GENERATOR SHAFT FORGING	CAT II									
						SAARCSHMEDE	GERMANY	A				
						Budenus Edelstahl	GERMANY	A				
						JSW	JAPAN	A				
						SDF	ITALY	A				
						CRUIST FORCE	FRANCE	A				
						OMZ	RUSSIA	A				
						FORGE MASTER	UK	A				
						JCFC	JAPAN	A				
94		GENERATOR ROTOR MACHINING	CAT I									
			II			MITSUBISHI ELECTRIC	JAPAN	A				
			II			NUGO ROMANO	ITALY	A				
			I			LMTG	HAZIRA	A				
95		ETS MATERIAL (Core material)	CAT I									
			I			THYSSON KRUPP	NASIK	A				
			II			NIPPON	JAPAN	A				
			II			JFE	JAPAN	A				
			I			POSCO	RAIGARH	A				
			I			JSW	BELLARY	A				
			II			MITSUBISHI	JAPAN	A				
96		RETAINING RING FORGING(MAT- CrMn 1818)	CAT II									
						SAARCSHMEDE	GERMANY	A				
						JSW	JAPAN	A				
						KOBE STEEL	JAPAN	A				
						FORTEH	FRANCE	A				
97		RETAINING RING MACHINING	CAT I									
			II			MITSUBISHI ELECTRIC	JAPAN	A				
			I			LMTG	HAZIRA	A				
98		SILVER BEARING COPPER HOLLOW STRIPS (ROTOR COIL)	CAT II									
						ORIENTAL COPPER	THAILAND	A				
						HITACHI CABLE	JAPAN	A				
						FURUKAWA ELECTRIC	JAPAN	A				
						KM EUROPA	GERMANY	A				
						OTOKUMPUTURI (Luvata)	FINLAND	A				
						GINDRE	FRANCE	A				
99		FIELD LEAD CORE BAR FOR ROTOR WITH D LEAD(RAW MATERIAL) (Field lead)	CAT II									
						ORIENTAL COPPER	THAILAND	A				
						BAOSHIDA SWISS METAL	GERMANY	A				
						KME	GERMANY	A				
						Agarwal industries (Fabrication)	Mandideep	A				
						Rachna Metals (Raw material)	GHAZIABAD	A				
						INDIAN METAL & ALLOY	KOLKATA	A				
						HITACHI CABLE	JAPAN	A				
100		CURRENT CARRYING BOLTS FOR ROTOR (Radial Lead)	CAT II									

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					MITSUBISHI ELECTRIC	JAPAN	A						
101	ROTOR COIL FORMING	CAT I			MITSUBISHI ELECTRIC	JAPAN	A						
		II			LMTG	HAZIRA	A						
		I											
102	STATOR Coil Manufacturing	CAT I			MITSUBISHI ELECTRIC	JAPAN	A						
					LMTG	HAZIRA	A						
103	ROTOR SLOT WEDGES & DAMPER WEDGES FABRICATION & MACHINING (Rotor wedge & Damper bar)	CAT II											
					MITSUBISHI ELECTRIC	JAPAN	A						
					MURAKAMI	ompress	A						
					FIAY	ITALY	A						
					OTOKUMUPORI (LUVATA)	FINLAND	A						
					METALLURGICA MINOTTI	ITALY	A						
					Damper Wedges - Gindre India Components Pvt. Ltd	Gurgaon	A						
104	ROTOR WINDING ASSLY (GEN) INCL ROTOR WEDGES (Rotor winding)	CAT I											
					MITSUBISHI ELECTRIC	JAPAN	A						
					LMTG	HAZIRA	A						
105	GENERATOR ROTOR-FINAL assembly & Balancing Process (Rotor final assembly & HSB)	CAT I											
					MITSUBISHI ELECTRIC	JAPAN	A						
					LMTG	HAZIRA	A						
106	COMPRESSOR BLADE ASLY ON ROTOR (Part of generator final assembly)	CAT I											
					MITSUBISHI ELECTRIC	JAPAN	A						
					LMTG	HAZIRA	A						
107	D LEAD (FL CORE BAR) & CONTACT BOLT FOR SLIP RING (Axial lead)	CAT II											
					MITSUBISHI ELECTRIC	JAPAN	A						
108	TUBES FOR CONNECTING BUS BAR (Phase ring tubes)	CAT II											
					ORIENTAL COPPER	THAILAND	A						
					ALCOBEX	JODHPUR	A						
					S H Copper	Japan	A						
					IPCL	BHAVNAGAR	A						
					HITACHI CABLE	JAPAN	A						
109	END SHIELD FABRICATION & MACHINING (Generator Bearing Bracket)	CAT I											
					MITSUBISHI ELECTRIC	JAPAN	A		For End Shield Fabrication Only				

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					SHAPE	HARDWAR	A				
					MANJUNATH	BANGLORE	A				
110	BEARING SHELL (GEN& SLIP RING)- FORGING (part of generator Bearing)	CAT II									
					MITSUBISHI ELECTRIC	JAPAN	A				
					OMEGA THERMIT	BHOPAL	A				
					DUM DUM	KOLKATA	A				
					EURO BEARING	ITALY	A				
111	CENTERING RING FORGING (END PLATE)	CAT I									
		I			GOODLUCK	GHAZIABAD	A				
		II			NISHIMAKI IRON WORKS	JAPAN	A				
		I			BAY FORGE	CHENNAI	A				
112	BEARING SHELL (GEN & SLIP RING) M/C (Generator bearing)	CAT III									
					DSE	KOREA	A				
					DYM	KOREA	A				
					MITSUBISHI ELECTRIC	JAPAN	A				
					OMEGA THERMIT	BHOPAL	A				
					DUM DUM	KOLKATA	A				
					EURO BEARING	ITALY	A				
					WAUKESHA BEARING	USA	A				
113	INTERMEDIATE RING FORGING (Space ring forging)	CAT I									
					Good luck (For forging)	FARIDABAD	A				
					LMTG (For m/c)	Hazira	A				
114	PRIMARY WATER PUMP	CAT I									
					MATHER & PLATT	PUNE	A				
					KSB INDIA	Nasik	A				
					SULZER PUMPS	NAVI MUMBAI	A				
					EBARA SEISAKUSHO	JAPAN	A				
115	HYDROGEN DRIER	CAT I									
		I			JINDAL	ROORKEE	A				
		II			MITSUBISHI ELECTRIC	JAPAN	A				
116	TUBES FOR COOLERS (BRASS/COPPER TUBES) (GENERATOR) (Gas cooler tubes)	CAT I									
					ALCOBEX	JODHPUR	A				
					MULTIMETAL	KOTA	A				
117	PW PUMP & FILTER UNIT ASSEMBLY (SKID)	CAT I									
		II			MITSUBISHI ELECTRIC	JAPAN	A				
		II			JIMC	KOREA	A				
		I			LMTG	HAZIRA	A				
		I			LINCOLN	PUNE	A				
118	PW COOLER & SEAL OIL COOLER	CAT I									
		I			ALFA LAVAL	PUNE	A				
		II			JIMC	KOREA	A				
		I			TRANTRER	PUNE	A				

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119	SLIP RING FORGING & MACHINING	CAT II			LMTG (For machining)	Hazira	A						
					Good luck (For forging)	FARIDABAD	A						
120	DC LEAD ASSLY FOR SLIP RING (Slip ring lead)	CAT I											
		II			MITSUBISHI ELECTRIC	JAPAN	A						
		I			LMTG	HAZIRA	A						
121	SLIP RING ASSLY (Part of Generator Final assembly)	CAT I											
					LMTG	HAZIRA	A						
122	SLIP RING SHAFT ASSLY	CAT II			MITSUBISHI ELECTRIC	JAPAN	A						
123	AIR COOLER FOR BRUSH GEAR (Slip ring fan)	CAT I											
					LMTG	Hazira	A						
124	SEAL OIL PUMP	CAT I			TUSHACO PUMP	DAMAN	A						
		II			KOSAKA LABORATORY	JAPAN	A						
		II			SHIMADZU	JAPAN	A						
125	FAN BLADE FORGING & MACHINING (Blade for slip ring fan)	CAT I											
		II			MURAKAMI SEISAKUSHO	JAPAN	A						
		I			STAR WIRE	BALLABGARH	A						
		II			MITSUBISHI ELECTRIC	JAPAN	A						
		I			GOODLUCK ENGG	GHAZIABAD	A						
126	SEAL OIL VALVE RACK	CAT II											
					JIMC	KOREA	A						
127	SEAL OIL STORAGE TANK (LOOP SEAL TANK)	CAT I											
					JIMC	KOREA	A						
					Gujarat infra	Vadodara	A						
					Shree sarjan	Vadodara	A						
128	HYDROGEN COOLER (Gas cooler)	CAT I											
					KITASHIBA ELECTRIC	JAPAN	A						
					ENERGEN	KOREA	A						
					GEA	GERMANY	A						
					LAXMI	BHOPAL	A						
129	CARBON BRUSH	CAT II											
					MORGAN	KOREA	A						
					MERSEN	BANGLORE	A						
					VIDYUT CARBON	HARDWAR	A						
					ASSAM CARBON	KOLKATA	A						
130	EXCITATION SYSTEM	CAT I											
					ALSTOM	FRANCE	A						
					ABB	SWITZERLAND	A						
					SIEMENS	AUSTRIA	A						
					BHEL	BANGLORE	A						
					MITSUBISHI ELECTRIC	JAPAN	A						
131	EXCITATION TRANSFORMER	CAT I											
132	EXCITATION AC/DC BUS DUCT	CAT I			REFER SEPARATE LIST								

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133	END WINDING VIBRATION SYSTEM	CAT II			REFER SWITCHGEAR AND BUS DUCT LIST						
					IRIS	Canada	A				
					Vibro systems	Canada	A				
134	Rotor slot angle (Slot cell)	CAT II			PCT	USA	A				
					mitsubishi electric	JAPAN	A				
					VON ROLLA ISOLA	FRANCE	A				
135	CENTRING RING & INTERMEDIATE RING MACHINING (End plate & space ring)	CAT I									
					mitsubishi electric	JAPAN	A				
					Good luck (For forging only)	Faridabad	A				
					LMTG (For machining)	HAZIRA	A				
136	ROTOR FLUX MONITORING SYSTEM	CAT II									
					GE	USA	A				
					mitsubishi electric	JAPAN	A				
					Vibro systems	Canada	A				
					IRIS	CANADA	A				
137	FIELD LEAD CORE BAR FOR ROTOR WITH D LEAD	CAT II									
					mitsubishi electric	JAPAN	A				
138	Generator Blower shroud	CAT I									
					RV Casting	Faridabad	A	(M/C by LMTG)			
139	Bearing Bracket Hub casting	CAT I									
					VAISHNOV STEEL	MUZAFFAR NAGAR	A				
					LMTG HCU	Hazira	A				
140	Shroud support	CAT I									
					R V Casting	Faridabad	A	(M/C by LMTG)			
141	Blower hub Forging	CAT I									
					Goodluck	Ghaziabad	A	(M/C by LMTG)			
142	Bore ring Forging	CAT I									
					CHW	Greater noida	A	(M/C by LMTG)			
143	Rotor & stator blade	CAT I									
					LMTG (for machining)						
					Star wire (For Rotating blade raw material)	BALLABGARH	A				
					As per NTPC approved list (For ST blade raw material also)		A				
144	Center wedge & end wedge machining	CAT I									
					Moldpro	Vadodara	A				
NOTE	1.CHECKS FOR STATOR CORE ASSLY, STATOR WINDING ASSLY (GEN), GENERATOR ROTOR-FINAL, BEARING ASSEMBLY/SHAFT SEAL ASSEMBLY, EXCITER ASSLY (MAIN & PILOT)/SLIP RING SHAFT ASSEMBLY WITH BRUSH GEARS, EXCITER TEST RUN, GENERATOR ASSEMBLY AT WORKS INCLUDING TERMINAL BUSHING & GENERATOR WORKS RUN TEST SHALL BE FINALIZED DURING DETAILED ENGINEERING/MQP FINALIZATION FOR THE RESPECTIVE OEMs. 2. For Raw Material/Components/Items of Generator which are not appearing in the above list, their OEM approved sources shall be tied up during Detailed Engineering/ MQP finalization.										
	C- MAJOR COMPONENTS FOR GE MAKE GENERATOR (AS PER OEM SPECIFIC DESIGN):										
145	Stator Frame with manhole cover (Fabrication & Machining)	CAT I									
					ALSTOM Power Sp. z o.o.	Poland	A				

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					Alstom Bharat Forge Power Limited	Sanand	A					
					ISGEC	YAMUNA NAGAR	A					
146	Key Bar (Fabrication & Machining)	CAT I										
		II			Bright Steel	UK	A					
		II			Jordan Matcon	Poland	A					
		II			ALSTOM Power Sp. z o o	Poland	A					
		II			Somet	Poland	A					
		II			Empaz	Poland	A		Only M/c			
		I			Shiv Engineering	vadodara	A		Only M/c			
		I			Alstom Bharat Forge Power Limited	Sanand	A		Only M/c			
		I			Shape Engg	Haridwar	A		Only M/c			
147	Dovetail for Stator (Aluminium key profile)	CAT II										
					Sapa Profiles Kft.	Hungary	A					
					ALSTOM Power Sp. z o o.	Poland	A					
					Somet	Poland	A					
148	End Pressure Plate (Laminated Press plate)	CAT II										
					ALSTOM Power Sp. z o o.	Poland	A					
					Generpro	Sweden	A					
149	Stator Core Punching	CAT II										
					ALSTOM	France	A					
					ALSTOM Power Sp. z o o.	Poland	A					
					Donako	Poland	A					
					Pitti Laminations	Hyderabad	A					
					BHEL	Jagdishpur	A					
150	Core Tension Bolt for Stator											
		I			Starwire	Ballabgarh	A					
		II			Boehler Ybbstal Profil	Austria	A					
		II			Energetechnik Essen	Germany	A					
		II			Empaz	Poland	A					
		I			Kalyani carpenter	Pune	A					
151	Insulation of Core Tension Bolt for Stator	CAT II										
					Empaz	Poland	A					
					ALSTOM Power Sp. z o o.	Poland	A					
152	Solid Copper Cooductor for Stator Bar	CAT I										
					VonRoll	Switzerland	A					
					Pearl	Bangalore	A					
					Cosmos	Bangalore	A					
					Mahindra	Bangalore	A					
					Geaber & Greuller	Austria	A					
153	Hollow Stainless Steel Conductor for Stator Bar	CAT II										
					Fine Tubes	UK	A					
					Fischer	Austria	A					
154	Stator Bars	CAT I										
155	Tubes for Connection Bus Bar	CAT II			ALSTOM Power Sp. z o o.	Poland	A					
					KME	Germany	A					
					Luvata Pori	Finland	A					
					Multimetal	Jammagar	A					
56	Connection Bus Bar (Phase Connector)	CAT II										

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					PPU Wojtera	Poland	A							
					ALSTOM Power Sp. z o.o.	Poland	A							
157	Insulating Hoses for Stator (Water Supply Hoses)	CAT II												
					Dr. Schnabel	Germany	A							
					Siemens	Germany	A							
					Crane Resistoflex	USA	A							
158	Winding Head Support Ring	CAT II												
					Röchling Pernali	Germany	A							
					Kompozoty	Poland	A							
					PCT	USA	A							
					Siemens	Germany	A							
					Texplas	Haridwar	A							
159	Spring for Winding Head Assembly (Console)													
		CAT II			Wolfensberger	Switzerland	A							
		CAT I			R V Engg	Ballabgarh	A							
160	Generator Shaft Forging	CAT II												
					Saarschmiede	Germany	A							
					Buderus	Germany	A							
					JSW	Japan	A							
					JCFC	Japan	A							
					SdF Terni	Italy	A							
					SUMITOMO	JAPAN	A							
					FORGEMASTER	UK	A							
					OMZ	RUSSIA	A							
161	Generator Shaft Machining	CAT I												
					Alstom (Switzerland) Ltd.	Switzerland	A							
					Alstom Bharat Forge Power Limited	Sanand	A							
162	Centering Ring Forging	CAT II												
					Bharat Forge	Pune	A							
					Schmiedewerk Stoss	Switzerland	A							
					FORGITAL SPA VELO D ASTICO	Italy	A							
					LOCALITA									
					Bay Forge	Chennai	A							
163	Centering Ring Machining	CAT II												
					Alstom (Switzerland) Ltd.	Switzerland	A							
					Bharat Forge Limited	Satara	A							
164	Retaining Ring FORGING (Mat.18-18Cr-Mn)	CAT II												
					Energietechnik Essen	Germany	A							
					Saarschmiede	Germany	A							
					JSW	Japan	A							
165	Retaining Ring Machining	CAT II												
					Alstom (Switzerland) Ltd.	Switzerland	A							
					Alstom Bharat Forge Power Limited	Sanand	A							
166	Rotor Copper Profile	CAT II												
					Swissmetall	Switzerland	A							
					Wieland	Germany	A							
					Buntmetall	Austria	A							
67	Field Lead Core Bar for Rotor	CAT II												

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					Swissmetall	Switzerland	A						
					Buntmetall	Austria	A						
					Wieland	Germany	A						
168	Radial Bolt for Rotor	CAT II											
					Alstom	Switzerland	A						
					Starwire	Ballaahgarh	A						
					Atals	Hydrabad							
169	Rotor Coil Forming	CAT I							only for Machining				
		CAT II			Alstom (Switzerland) Ltd.	Switzerland	A						
		CAT I			Alstom Bharat Forge Power Limited	Sanand	A						
170	Rotor Slot Wedges & Damper wedges	CAT II											
					Swissmetall	Switzerland	A						
					Wieland	Germany	A						
					Luvata	Finland	A						
					Buntmetall	Austria	A						
171	Generator Rotor Final	CAT I											
					ALSTOM Power Sp. z o o.	Poland	A						
		CAT II			Alstom (Switzerland) Ltd.	Switzerland	A						
172	Hydrogen Blower	CAT II											
172.1	Hydrogen Blower Assembly	CAT II			FIMA	Germany	A						
					Alstom (Switzerland) Ltd.	Switzerland	A						
173	Terminal Bushing(Condenser type)	CAT II											
					Trench (Emily new name)	France	A						
					HSP	Germany	A						
174	Terminal Box Fabrication	CAT II											
					ALSTOM Power Sp. z o o.	Poland	A						
					ISGEC	Yamunanagr	A						
					Shape Engg	Haridwar	A						
174.1	Terminal Box Machining	CAT II											
					ALSTOM Power Sp. z o o.	Poland	A						
					Energy machines	Ahmedabad	A						
175	End Shield Fabrication	CAT I											
					ALSTOM Power Sp. z o o.	Poland	A						
					Shape Engg	Haridwar	A						
					ISGEC	Yamunanagr	A						
175.1	End Shield Machining	CAT I											
					ALSTOM Power Sp. z o o.	Poland	A						
					ISGEC	Yamunanagr	A						
					Energy Machines	Ahmedabad	A						
176	Seal Assembly (Ring & Housing)	CAT II											
					ALSTOM Power Sp. z o o.	Poland	A						
177	Stator water cooler	CAT I											
					Alpha Laval	Sweden	A						
					GEA	Germany	A						
					TRANTER	Pune	A						
					IDMC Ltd	Anand	A						
178	Stator water cooling unit	CAT II											

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179	Stator water cooling pump	CAT II			Rockfin	Poland	A								
					ALWELLER	GERMANY	A								
					KSB	Pune	A								
					Ebera	Japan	A								
					SULZER	Navi Mumbai	A								
180	Slip Ring Shaft Forging	CAT II			See Generator Forging Suppliers										
					Bharat forge	Pune	A								
					BAY FORGE	Chennai	A								
180.1	Slip Ring Shaft Machining	CAT II													
					Alstom (Switzerland) Ltd.	Switzerland	A								
					Euroflex Transmission(india) pvt. Ltd.	Hydrabad	A								
181	DC-Load Assembly for Slip Ring	CAT II													
					Alstom (Switzerland) Ltd.	Switzerland	A								
181.1	Slip Ring Shaft Assembly	CAT I													
					Alstom (Switzerland) Ltd.	Switzerland	A								
					Euroflex Transmission(india) pvt. Ltd.	Hydrabad	A	Only M/c							
182	Seal Oil Pump	CAT I													
					Allweiler	Germany	A								
					Allweiler	DAMAN	A								
					UT PUMP	FARIDABAD	A								
183	Seal Oil Cooler	CAT I													
					GEA	Germany	A								
					Alpha Level	EUROPE	A								
					Alfa level	Satara	A								
					ALPHA LAVAL	Sweden	A								
					TRANTRER	Pune	A								
184	Seal Oil Unit	CAT II													
					Rockfin	Poland	A								
185	Hydrogen Cooler	CAT I													
					GEA	Germany	A								
					Kelvion	Pune	A								
					Laxmi	Bhopal	A								
186	Hydrogen dryer(Refrigrant Type)	CAT I													
					Jindal electrical	Roorkee	A								
					Melcon engg	G. NOIDA	A								
187	Copper connector between main rotor and slip ring shaft(radial stud)	CAT II													
					SWISS METAL	Switzerland	A								
					Pfisterer Sefag AG	Germany	A								
188	Carbon Brush & Holders	CAT III													
					Morgan	Germany	A								
					Vidhyut Carbon	Haridwar	A								
					National Carbon	Kolkata	A								
					G. Dietrich (belongs to CL)	Germany	A								
189	ETS Material	CAT I													
		CAT I			Thyssen Krupp	NASIK	A								

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		CAT II			Mitsubishi	Japan	A				
		CAT II			Arcelor	Luxemburg	A				
		CAT II			Salzgitter	Germany	A				
		CAT II			Alloverze	Germany	A				
		CAT I			JSW	BELLARY	A				
		CAT II			JFE	Japan	A				
190	Radial Leads (Slip Ring Shaft)	CAT II									
					Schmelzmetall AG	Switzerland	A		ALSO FOR SL NO 71		
191	Connection Rod for main Rotor	CAT II									
					Weiland werke	Germany	A				
					Swiss Metal	Switzerland	A				
192	Excitation System	CAT I									
					Alstom Power Sp. z o o	Poland	A				
					GE power	NOIDA	A				
193	GHM(Generator health monitoring system)	CAT I									
					GE Power	Noida	A				
194	Excitation AC-DC Bus duct	CAT I									
					Eitacom	Belgium	A		for Cast Resin		
					REEP	Chennai	A				
					C&S	NOIDA	A				
NOTE	1. CHECKS FOR STATOR CORE ASSLY, STATOR WINDING ASSEMBLY, ROTOR WINDING ASSLY, GEN., GENERATOR ROTOR -FINAL, BEARING ASSEMBLY/SHAFT SEAL ASSEMBLY, EXCITER ASSLY (MAIN & PILOT)/SLIP RING SHAFT ASSEMBLY WITH BRUSH GEARS, EXCITER TEST RUN, GENERATOR ASSEMBLY AT WORKS INCLUDING TERMINAL BUSHING & GENERATOR WORKS RUN TEST SHALL BE FINALIZED DURING DETAILED ENGINEERING/MQP FINALIZATION FOR THE RESPECTIVE OEMs. 2. For Raw Material/Components/Items of Generator which are not appearing in the above list, their OEM approved sources shall be tied up during Detailed Engineering/ MQP finalization.										
	D- MAJOR COMPONENTS FOR TOSHIBA MAKE GENERATOR (AS PER OEM SPECIFIC DESIGN):										
195	STATOR FRAME WITH MAN HOLE COVER FABRICATION & MACHINING	CAT I									
					TOSHIBA	JAPAN	A				
					TIPS	CHENNAI	A				
196	KEY BAR FABRICATION AND MACHINING	CAT I									
					TOSHIBA	CHENNAI	A				
					Kalyani Carpenter (Material)	Pune	A				
					Punj Lloyd (Machining)	Gwalior	A				
197	KEY BAR ASSEMBLY	CAT I									
					TOSHIBA	JAPAN	A				
					TIPS	CHENNAI	A				
198	DOVETAIL FOR STATOR	CAT I									
					TOSHIBA	JAPAN	A				
					TIPS	CHENNAI	A				
199	END PRESSURE PLATE - Fabrication										
		II			TOSHIBA	JAPAN	A				
		I			TIPS	CHENNAI	A				
199.1	End Pressure Plate - Machining	CAT II									
					TIPS	CHENNAI	A				
					Sharp Engineering	Pune	A				
					N.S Engg	Hyderabad	A				
200	STATOR CORE PUNCHING										
		I			TIPS	CHENNAI	A				
		II			TOSHIBA	JAPAN	A				
201	TERMINAL BOX FABRICATION& MACHINING										
		II			TOSHIBA	JAPAN	A				
		I			TIPS	CHENNAI	A				

एन टी पी सी NTPC		Project/ परियोजना : SIPAT-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL क्वालिटी प्लान तथा सब-वेडर के अनुमोदन सहित मद की सूची				DOC. NO./ दस्तावेज सं.: REVISION NO - 00 DATE/ तिथि : 09.05.2023 SUB-SYSTEM उप-प्रणाली: QA-ELEC	
		Package/ पैकेज: EPC PACKAGES										
		Supplier/ आपूर्तिकर्ता:										
		Contract No./ अनुबंध सं.:										
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निसे. श्रेणी.	QP No./ क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी			
202	OVER HANG SUPPORT RING	I			Leo Prime	Chennai	A					
		CAT II			HITACHI CHEMICAL	JAPAN	A					
203	SOLID COPPER CONDUCTOR (FOR STATOR BAR)	CAT II			UNIMAC	JAPAN	A					
204	HOLLOW COPPER CONDUCTOR (FOR STATOR BAR)	CAT II			UNIMAC	JAPAN	A					
205	TERMINAL BUSHING (CONDENSER TYPE)	CAT II			PASSONI & VILLA Trench Toshiba	ITALY Switzerland Japan	A A A					
206	CONNECTING BUS BAR (PHASE BELTS) FABRICATION	CAT II			SUMIKEI COPPER Oriental Copper Hitachi Cable	JAPAN Thailand JAPAN	A A A					
207	INSULATING HOSES FOR STATOR (WATER SUPPLY HOSES)	CAT II			SAKURA RUBBER CRANE RESISTOFLEX MIL	JAPAN USA Chennai	A A A			HOLLOW CONDUCTOR (RAW MATERIAL FROM FURUKAWA- JAPAN)		
208	GENARATOR SHAFT FORGING	CAT II			SAARSCHMIEDE SDF ITALY JCFC	GERMANY ITALY JAPAN	A A A					
208.1	GENERATOR SHAFT MACHINING	CAT I			BUDERUS EDESTAHL Doosan TOSHIBA TIPS	GERMANY Korea JAPAN CHENNAI	A A A A					
209	ETS MATERIAL	CAT II			NIPPON JFE	JAPAN JAPAN	A A					
210	RETAINING RING FORGING (MAT-CHm 18-18)	CAT II			SAARSCHMIEDE JSW	GERMANY JAPAN	A A					
210.1	RETAINING RING MACHINING	CAT II			TOSHIBA TIPS	JAPAN Chennai	A A					
211	SILVER BEARING COPPER HOLLOW STRIPS (ROTOR COIL)	CAT II			ORIENTAL COPPER	THAILAND	A					
212	FIELD LEAD CORE BAR FOR ROTOR WITH D LEAD	CAT II			KME ORIENTAL COPPER BAOSHIDA SWISS METAL	GERMANY THAILAND GERMANY	A A A					
213	CURRENT CARRYING BOLTS FOR ROTOR	CAT II			TOYO KOGYO TOSHIBA	JAPAN JAPAN	A A					
214	ROTOR COIL FORMING	CAT II			TOSHIBA TIPS	JAPAN Chennai	A A					



S. N. क्र.सं.		Item / मद	Project/ परियोजना : SIPAT-III (1X800MW)					LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL स्थापिती प्लान तथा सब-सप्लायर के अनुमोदन सहित मंदा की सूची				Remarks/ टिप्पणी
			Package/ पैकेज: EPC PACKAGES					Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची		
			Supplier/ आपूर्तिकर्ता:									
			Contract No./ अनुबंध सं.:									
QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No./ क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता									
215	ROTOR SLOT WEDGES & DAMPER WEDGES FABRICATION & MACHINING	CAT II		MURUKAMI	JAPAN	A						
				FIAV	ITALY	A						
				TOSHIBA	JAPAN	A						
216	GENERATOR ROTOR -FINAL	CAT I										
				TOSHIBA	JAPAN	A						
				TIPS	Chennai	A						
217	MOLDED INSULATION RING (FAN NOZZLE RIM)	CAT I										
		II		PCT	USA	A						
		I		PERMALI WALACE	Bhopal	A						
218	FAN BLADE ASLY ON ROTOR	II										
		I		TOSHIBA	JAPAN	A						
				TIPS	Chennai	A						
219	D LEAD (FL CORE BAR)& CONTACT BOLT FOR SLIP RING											
		I		TIPS	Chennai	A						
		II		TOSHIBA	JAPAN	A						
220	END SHIELD FABRICATION & MACHINING	CAT I										
				SHAPE	HARIDWAR	A						
				TIPS	Chennai	A						
221	Bearing (CE & TE)	II		DSE	Korea	A						
		I		Omega Rank	Bhopal	A						
		II		DYM	Korea	A						
222	CENTERING RING FORGING											
		I		BAY FORGE	CHENNAI	A						
		II		MINATO KIKO	JAPAN	A						
		II		NISHIMAKI IRON WORKS	JAPAN	A						
		I		GOODLUCK	GHAZIABAD	A						
223	SEAL ASSLY (RING & HOUSING)	CAT II										
				TOSHIBA	JAPAN	A						
224	SLIP RING SHAFT ASSLY											
		I		TIPS	Chennai	A						
		II		TOSHIBA	JAPAN	A						
225	FAN BLADE FORGING & MACHINING											
		II		MURAKAMI SEISAKUSHO	JAPAN	A						
		I		TIPS	Chennai	A						
		I		Azad	Hyderabad	A						
		II		TOSHIBA	JAPAN	A						
226	HYDROGEN COOLER	CAT II										
				ENERGYEN	KOREA	A						
				KITASHIBA ELECTIRC	JAPAN	A						
				Karnataka Gas Coolers	Bangalore	A						
227	AC/DC BUSDUCT	CAT I										
				SPACEAGE	GURGAON	A						
				REEP	CHENNAI	A						
				C&S ELETRIC	NOIDA/HARIDWAR	A						
228	EXCITATION TRANSFORMER (DRY TYPE)	CAT I										
				RITZ	GERMANY	A				UPTO 8 MVA		
				BHEL	JHANSI	A				UPTO 6 MVA		
229	EXCITATION SYSTEM	CAT I										
				TOSHIBA	JAPAN	A						
				ABB	Bangalore	A						
230	HYDROGEN DRIER	CAT I										

Project/ परियोजना : SIPAT-III (1X800MW) Package/ पैकेज: EPC PACKAGES Supplier/ आपूर्तिकर्ता: Contract No./ अनुबंध सं.:						LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL अनुमोदन सहित मॉड की सूची				DOC. NO./ दस्तावेज सं.: REVISION NO : 00 DATE/ तिथि : 09.05.2023 SUB-SYSTEM उप-प्रणाली: QA-ELEC	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी/ निरी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier/ प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category, उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी		
					JINDAL ELECTRONICS	ROORKEE	A				
					MELCON ENGG	GREATER NOIDA	A				
					SPAN MANUFACTURING CO PVT LTD	ROORKEE	A				
NOTE	1. CHECKS FOR STATOR CORE ASSLY, STATOR WINDING ASSEMBLY, ROTOR WINDING ASSLY (GEN), GENERATOR ROTOR -FINAL, BEARING ASSEMBLY/SHAFT SEAL ASSEMBLY, EXCITER ASSLY (MAIN & PILOT)/SLIP RING SHAFT ASSEMBLY WITH BRUSH GEARS, EXCITER TEST RUN, GENERATOR ASSEMBLY AT WORKS INCLUDING TERMINAL BUSHING & GENERATOR WORKS RUN TEST SHALL BE FINALIZED DURING DETAILED ENGINEERING/MQP finalization. 2. For Raw Material/Components/Items of Generator which are not appearing in the above list, their OEM approved sources shall be tied up during Detailed Engineering/ MQP finalization.										
Items Identified as Main Contractor approved sources											
MC 1	Tubular Type Heater	III									
MC 2	Interlocks for ESP	III									
MC 3	Porcelain Bushing Insulators	III									
MC 4	Continuous Cast Copper Rod	III									
MC 5	Unimpregnated Densified Wood	III									
MC 6	Marshalling Box Components	III									
MC 8	Air Cell	III									
MC 9	Terminal Connector	III									
MC 10	Oil Flow Indicator	III									
MC 11	Pressure Relief Valve	III									
MC 12	Magnetic Oil Level Gauge	III									
MC 13	OTI/WTI (RTD Type)	III									
MC 14	Off-Circuit Tap Changer	III									
MC 15	Cooling Fan & Motor Assembly	III									
MC 16	Silica Gel Breather	III									
MC 17	Bushing Metal Parts	III									
MC 18	Copper Conductor Bus Bar	III									
MC 19	Copper Foil/Sheet for Dry Type Transformer	III									
MC 20	Core cheese assembly for Bus Reactor	III									
MC 21	Core Clamps & OLTC Bracket, Core/Tie Bolt, Rods & Nuts	III									
MC 22	Epoxy Casting Material for Dry Type Transformer	III									
MC 23	Fibre Glass Covered Copper Conductor for Dry Type Transformer	III									
MC 24	Fibre Glass Sheet for Dry Type Transformer	III									
MC 25	Gaskets	III									
MC 26	Hardwares	III									
MC 27	Motor for OLTC	III									
MC 28	Sheet Metal Enclosure for Dry Type Transformer	III									
MC 29	Steel Plate & Pipe	III									
MC 30	Tank Fabrication up to 5 MVA	III									
MC 31	Temperature Surveillance Unit for Dry Type Transformer	III									
MC 32	Valves (for Radiator/Gun Metal/CI valves etc.)	III									
MC 33	Gas Collecting Device	III									
MC 34	Networking of Numerical Relay	*(with Switchgear MQP)									
MC 35	Paint	III									
MC 36	Copper for Copper Flats & Copper strips/flexibles	III									
MC 37	OIL PURIFYING EQUIPMENT	CAT III									
MC 38	VACUUM PUMP WITH MOTOR	CAT III									
MC 39	ON LINE MOISTURE REMOVAL SYSTEM	CAT III									
MC 40	Oil Tanker (wheel mounted),10 kL capacity	CAT III									
MC 41	POST INSULATOR	CAT II									

एनटीपीसी NTPC				Project/ परियोजना : SIPAT-III (IX800MW) Package/ पैकेज: EPC PACKAGES Supplier आपूर्तिकर्ता: Contract No./ अनुबंध सं.:		LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL स्थापिति द्वात तथा सब-वेडर के अनुमोदन सहित मदी की सूची		DOC. NO./ दस्तावेज सं.: REVISION NO : 00 DATE/ तिथि : 09.05.2023 SUB-SYSTEM उप-प्रणाली: Q-A-ELFC	
S. N. क्र.सं.	Item / मद	QP/ Insp. Cat. क्यूपी./सि.सी. श्रेणी.	QP No. / क्यूपी. सं.	QP Sub. Schedule क्यूपी उप.अनुसूचि	Proposed sub-supplier प्रस्तावित उप आपूर्तिकर्ता	Place/ स्थान	Sub-suppliers approval status / category उप आपूर्तिकर्ता के अनुमोदन की स्थिति /श्रेणी	Sub-supplier Details submission schedule/ उप आपूर्तिकर्ता के विवरण प्रस्तुतीकरण की सूची	Remarks/ टिप्पणी
	For cable total quantity above 10 km per size/type					Cat-I			
Note - 6: Category of inspection for Cable Trays & Cable Tray Flexible Support System:									
	For Total Contract Quantity per Size					Category of Inspection			
	For cable total quantity ≤ 2.5 KM					Cat-III - submission of TC & Certificate of Conformance by Main Contractor for the manufacturers having successfully supplied to any NTPC project-site through Corporate contracts for atleast 2 years			
	For cable total quantity above 2.5 km & up to ≤ 10 km per size/type					Cat-II for the manufacturers having successfully supplied to any NTPC project-site through Corporate contracts for atleast 2 years			
	For cable total quantity above 10 km per size/type					Cat-I			
Note - 7:									
	i) For Motors less than 50 KW; CAT-III. Acceptance of Motor less than 50 KW is based on COC of the Manufacturer and the Main Contractor confirming as follows: "It is hereby confirmed that the above mentioned motor /motors was/ were manufactured taking care of NTPC specific requirements regarding ambient temp., voltage & frequency variation, hot starts, pull out torque, starting KVA/KW, temp. rise, distance between centre of stud & gland plate and tested in accordance with approved drawing /data sheets".								
	ii) For Motors 50 KW and above 75 KW : CAT- II. Acceptance of Motor is based on NTPC review of Routine Test inspection report as per IS: 12615 / applicable standards duly witnessed by main contractor along with COC of the Manufacturer and the Main Contractor confirming as follows: "It is hereby confirmed that the above mentioned motor /motors was/ were manufactured taking care of NTPC specific requirements regarding ambient temp., voltage & frequency variation, hot starts, pull out torque, starting KVA/KW, temp. rise, distance between centre of stud & gland plate, space heater and tested in accordance with approved drawing /data sheets".								
	iii) For Motors 75 KW & above : CAT-I. AS PER NTPC APPROVED QUALITY PLAN (To be submitted separately for NTPC review & approval).								
Note - 8:									
	NTPC approved Galvanizers:								
	1. M/s M J Engg-Delhi					7. M/s National Galvanizer, Kolkata		13. M/s Gurpreet Galvanizer, Hyderabad	19. Unitech Fabricators & Galvanizers- Hoogly
	2. M/s A V. Engg. Kolkata					8. M/s Unistar Galvanizer, Kolkata		14. M/s Sigma, Mumbai	
	3. M/s Inar Profiles, Vishakhapatnam					9. M/s B P. Project, Kolkata		15. M/s Radhakrishnan Shetty, Chennai	
	4. M/s Anand Udyog, Mumbai					10. M/s Bajaj Pune		16. Karamiara Mumbai	
	5. M/s Techno Engg.Chandigarh					11. M/s Electrocare Industries, Mumbai		17. Poona Galvanizers Pune	
	6. M/S Steelite Engg. Mumbai					12. M/s B.G. Shirke, Pune		18. Nisha Galvanizer- Kolkata	
Note - 9: Relevant certificates shall be submitted for NTPC approval.Approval conditions attached to above identified vendors, as applicable shall be adhered to.									
Note - 10 : Indigenous sub-vendors for Annexure-I items are acceptable subject to meeting the MLC (Minimum Local Content) in line with latest MOP order.									
LEGENDS / संकेतिका									
SYSTEM SUPPLIER/SUB-SUPPLIER APPROVAL STATUS CATEGORY /प्रणाली आपूर्तिकर्ता / सब-वेडर की स्वीकृति की स्थिति की श्रेणी (SHALL BE FILLED BY NTPC एनटीपीसी द्वारा भरा जाएगा)									
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 वेडर एनटीपीसी को स्वीकार्य है। अनुमोदन की शर्त. यदि कोई हो, के साथ-साथ पत्र "क" में इंगित किया जाए ।									
DR – For these items "Detailed required" for NTPC review. To be identified with letter "DR" in the list. एनटीपीसी द्वारा इन मदों की समीक्षा के लिए "विस्तृत व्योरे की आवश्यकता" होगी। सूची में "DR" पत्र में इंगित किया जाना चाहिए।									
QP/INSPN CATEGORY : क्यूपी / निरीक्षण की श्रेणी.									
CAT-I / श्रेणी I: For these items the Quality Plans are approved by NTPC and the final acceptance will be on physical inspection witness by NTPC. 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 / श्रेणी II: For these items the Quality Plans approved by NTPC. However no physical inspection shall be done by NTPC. The final acceptance by NTPC shall be on the basis of Certificate of Conformance (COC) by Main Contractor.									
CAT-III / श्रेणी 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 इकाईयां / कार्य: Place of manufacturing/ निर्माण का स्थान Place of Main Supplier of multi units/works/बहु- इकाईयां / कार्य/ के मुख्य सप्लायर का स्थान.									
: Control measure of item covered in quality plan of main item.									

PROJECT : Sipat-III (1X800MW) PACKAGE : EPC PACKAGES CONTRACTOR: CONTRACT NO. :							LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO : 00 DATE :02.05.2023 SUB SECTION: C&I	
Sr No	Item Description	QP Inspection Category	QP No	QP submission SCH	QP approval SCH	Proposed Sub Supplier	Country	SS Approval_Status (Note-1)	SS Detail Sub.SCH	SS Approval SCH	Remark	
1	AAQMS System	I				ACOEM Ecotech Industries Pvt Ltd	Pithampur	A			1. So2 ,Nox,CO,CO2 ,Ozone ,PM-10,PM-2.5 & multipoint calibrator will be from Ecotech Australia 2.Metrological sensor from Dynalab 3. Mercury analyser from LOA agreed sources 4.PI refer Note-07	
		I				Horiba India Pvt Ltd	Pune	A			1. So2 ,Nox,CO,CO2 ,Ozone & multipoint calibrator will be from Horiba Japan 2.PM-10,PM-2.5 ,TSP will be from Met One USA & metrological sensor from Spectrum USA 3. Mercury analyser from LOA agreed sources	
		I				Enviroment SA India Pvt. Ltd.	Mumbai	A			1.Analysers SO2,NOx,CO2 & SPM from Environment SA France, 2-Multipoint Calibrator From enviroment SA France 3-Metrological Sensor with interface unit from M/s LSI Lastem SRL, Italy	
		I				Thermo Fisher Scientific India Pvt. Ltd	Mumbai	A			1) Analysers (Sox,NOx,CO,SPM,RSPM ,Ozone) ,multi gas calibrator shall be sourced from their principle Thermo Environmental ,USA (Division of M/S Thermo fisher Scientific ,USA) 2)Metrological sensors shall be sourced from M/S Metone Instruments USA	
		I				Chemitrol Engineering Ltd	Goa	A			1. Analysers from M/S Teledyne USA except Mercury analyser . 2.Metrological sensors & SPM analysers from Met one Instruments Inc USA 3.PI refer note-07	
2	Acoustic pyrometer System	I				Lucent Marcons Pvt Ltd (As a system Integrator of M/S Scientific Environmental Instruments, Inc. (SEI) USA)	Noida	A			1.Boiler watch processor control unit, acoustic sensor (Pizeo/Microphone with prefab cable) , Preamplifier , mapping software & analog output cards shall be from M/S SEI USA . 2. Enclousure ,OWS ,Waveguide ,Transition cone with flange , venturi , Tube box etc shall be from M/S SEI USA 3. PI refer Note-07	

PROJECT : Sipat-III (1X800MW) PACKAGE : EPC PACKAGES CONTRACTOR: CONTRACT NO. :							LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL				REVISION NO. : 00 DATE :02.05.2023 SUB SECTION: C&I	
Sr No	Item Description	QP Inspection Category	QP No	QP submis sion SCH	QP approv al SCH	Proposed Sub Supplier	Country	SS Approval_Status (Note-1)	SS Detail Sub.SCH	SS Approval SCH	Remark	
		I				Hi-Tech Systems & Services Ltd (As a system Integrator of M/S Bonnenberg + Drescher GmbH, Germany)	Kolkata	A			1.All critical components are to be procured from M/S Bonnenberg + Drescher GmbH, Germany 2.Standard indigenous components like Solenoid valve (Asco make) ,matching flange ,printer & monitor table shall be supplied by M/S Hi- Tech	
		II				Scientific Environment Instrument Inc (SEI)	USA	A			1.PCU ,Acoustic sensor ,Preamplifier mapping software shall be from SEI USA , 2. Enclosure ,OWS ,Waveguide , Tube box etc shall be from SEI approved sources to be tiedup in MQP. 3.PI refer Note-07	
		II				Bonnenberg + Drescher GmbH,	Germany	A				
		II				STOCK Equipment Co	USA	A				
3	Addressable Detector (Multisensor , Photo & Heat Detectors Type), Interface units & Manual call points											
		II				Honeywell Life Safety-HIPL	Gurugram	A			Notifier Brand (Detector, Interface Module only)	
		II				Schrack	Austria	A				
		II				Autronica	Norway	A				
		II				Edwards	Mexico	A				
		II				Notifier	USA	A				
		II				Sheld Fire safety	UK	A				
		II				Jhonson Controls	USA	A			Simplex Brand	
4	Battery for 24VDC charger & UPS	Note-4										
						Hoppecke Batterien GmbH & Co Kg	Germany	A			For Lead Acid- Plante	
		Note-4				Exide	Kolkata	A			For Lead Acid- Plante	
		Note-4				SAFT India Ltd	Bengaluru	A			For Ni-Cd	
		Note-4				HBL Power	Hyderabad	A			For Ni-Cd Upto 990AH (H type)	
		Note-4				SAFT	France/Sweedden	A			For Ni-Cd	
		Note-4				Hoppecke Batterien GmbH & Co Kg	Germany	A			For Ni-Cd	
5	Blank Panels / Cabinets											
		III				Pyrotech Electronics Pvt. Ltd	Udaipur	A				
		III				Rittal India Private Ltd	Bengaluru	A				
		III				Hoffman	Bengaluru	A				
		III				BHEL	Bengaluru	A				
		III				BCH ELECTRIC LIMITED	Faridabad	A				
6	Boiler tube leak detection system (ASLD)											
		III				Hi Tech System & services Ltd (System Integrator of Acoustic Monitoring International Inc. USA)	Kolkata	A			1.M/S Acoustic Monitoring International Inc. USA Make system Conditional as per approval letter 01/CQA/9573-102/Hi-tech-AMI dated 11.04.2013 2.PI refer Note-07	
		III				Raman Instruments (System Integrator of M/S Procon UK)	Delhi	A			1.M/S Procon UK Make system 2.PI refer Note-07	
		III				BHEL Ltd	Trichurapalli	A				
		III				Instrotech (PTY) Ltd	South Africa	A				

		PROJECT : Sipat-III (1X800MW) PACKAGE : EPC PACKAGES CONTRACTOR: CONTRACT NO. :				LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB SUPPLIER APPROVAL					REVISION NO : 00 DATE :02.05.2023 SUB SECTION: C&I	
Sr No	Item Description	QP Inspection Category	QP No	QP submis sion SCH	QP approv al SCH	Proposed Sub Supplier	Country	SS Approval_Status (Note-1)	SS Detail Sub.SCH	SS Approval SCH	Remark	
		III				Rectuson Co. Ltd	S.Korea	A				
		III				Procon Engineering	UK	A				
		III				Acoustic Monitoring International Inc. (AMI)	USA	A				
7	CCTV System (IP Based)											
		III				Axis	Sweden	A			1-CCTV components will be of Axis communication AB,Sweden make & Video Management Software will be of Milestone Brand. 2.Other BOI items shall be from LOA approved sources & will be tied up during the finalization MQP.	
		III				Bosch	Bengaluru	A			1.CCTV components will be of M/S Bosch make, and supplied through M/s Bosch, Bengaluru. 2.Other BOI items shall be from LOA approved sources & will be tied up during the finalization MQP.	
		III				Pelco	USA	A			1.CCTV components will be of M/S Pelco, USA make 2.Other BOI items shall be from LOA approved sources & will be tied up during the finalization MQP.	
7A	CCTV System (IP Based) /System Integrators											
		I				Jonson Control India Pvt Ltd	Mumbai	A			M/S Pelco Make CCTV system	
		I				Toshniwal Industrial Pvt Ltd	Ajmer	A			M/S Axis Make CCTV system	
		I				L&T TECHNOLOGY SERVICES	Bengaluru	A			M/S Bosch Make CCTV system	
		I				Score Information Technologies Limited	Kolkata	A			M/S Bosch Make CCTV system	
8	Control Desk											
		I				Pyrotech Workspace Solutions Pvt Ltd	Udaipur	A			BOI items like Mosaic tiles /Console items shall be as per LOA approved sources	
		I				Cosmos Media Products Pvt Ltd	Greater Noida	A			1. BOI items like Mosaic tiles /Console items shall be as per LOA approved sources 2. H block should be from knurr Germany 3.Solid acrylic surface should be procured from Du Pont/NTPC approved sources 3.Extruded Al profile structure should be procured from Hindalco (With Knurr design)	
		I				Adarsha Control system Pvt Ltd	Bengaluru	A			1. BOI items like Mosaic tiles /Console items shall be as per LOA approved sources 2. Acrylic solid surface (ASS) should be procured from Du Pont /NTPC approved sources 3.wood works are to be done by M/S C K Furn Bengaluru	
9	Control Valves											
9-A	Control Valves for Aux PRDS system including desuperheater											

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		I				Instrumentation Limited	Palakkad (Kerala)	A			Up to A182F92 material with conditions as per approval letter	
		I				Koso India Pvt limited	Nasik	A			Up to A182F92 material with conditions as per approval letter	
		I				Bomafa Special Valve solutions Pvt ltd	Ahmedabad	A			Up to A182F92 material with conditions as per approval letter	
		I				KSB MIL Controls Ltd	Thrissur (Kerala)	A			As per approval Ref: 02/COA/SG/Tanda/MIL Dated 30.09.2015	
		I				Control Component India PVT Ltd	Sricity (Andhra Pradesh)	A			1.MQP shall be vetted by M/S CCI -USA 2.Sources of major components like casting /forging and actuators shall be tied up during finalization of MQP	
		II				Parcol SPA	Italy	A				
		II				Daume	Germany	A				
		II				HOLTER	Germany	A				
9-B	Control Valve for Start Up System											
		I				Control Component India PVT Ltd	Sricity (Andhra Pradesh)	A			1.The critical components of control valve i.e. Disk Stack (Drag technology) shall be sourced from CCI, USA/CCI S. Korea . 2.The positioner from NTPC approved sources & pneumatic actuators are sourced from CCI S.Korea 3.Control valve to be manufactured as per CCI USA design & drawing.	
		I				KOSO India Pvt Ltd	Nasik	A				
		I				Emerson Process Management Ltd	Chennai	A				
		II				Dresser Produits industriels Industriels S.A.S	France	A				
		II				SEMPELL AG	Germany	A			Up To size 20 Inches & 2500 ANSI Class	
		II				Nihon Koso Co Ltd	Japan	A				
		II				HORA	Germany	A				
		II				CCI	S.Korea	A				
		II				Emerson (Fisher)	USA/France/Japan	A				
9-C	Control Valve for BFP Recirculation.											
		I				Control Component India PVT Ltd	Sricity (Andhra Pradesh)	A			1.The critical components of control valve i.e. Disk Stack (Drag technology) shall be sourced from CCI, USA/CCI S. Korea . 2.The positioner from NTPC approved sources & pneumatic actuators are sourced from CCI S.Korea 3.Control valve to be manufactured as per CCI USA design & drawing.	
		I				KOSO India Pvt Ltd	Nasik	A				
		I				KSB MIL Controls Ltd	Thrissur (Kerala)	A			Up to 10 Inches & 3400 ANSI class	
		II				Dresser Produits industriels Industriels S.A.S	France	A				
		II				Nihon Koso Co Ltd	Japan	A				
		II				CCI	USA	A				



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Sr No	Item Description	QP Inspection Category	QP No	QP submission SCH	QP approval SCH	Proposed Sub Supplier	Country	SS Approval_Status (Note-1)	SS Detail Sub.SCH	SS Approval SCH	Remark		
9-D	Control valve for feedwater flow Control	II				Emerson (Fisher)	USA/France/Japan	A					
		I				Control Component India PVT Ltd	Sricity (Andhra Pradesh)	A			1.The critical components of control valve i.e. Disk Stack (Drag technology) shall be sourced from CCI, USA/CCI S. Korea . 2.The positioner from NTPC approved sources & pneumatic actuators are sourced from CCI S.Korea 3.Control valve to be manufactured as per CCI USA design & drawing.		
		I				KOSO India Pvt Ltd	Nasik	A			Control valve body assembly will be from Nippon Fisher ,Japan with IBR form III C certificates .		
		I				Emerson Process Management Ltd	Chennai	A			1.Provision of straight type of brackets for linkage mechanism 2.Factory fitted strainer /diffuser type seat ring . 3.AFR with T connector for pneumatic connection to volume booster		
		II				Dresser Produits industriels Industriels S.A.S	France	A					
		II				Nihon Koso Co Ltd	Japan	A			CONDITIONAL		
		II				CCI	USA / Austria / S.Korea / Switzerland	A					
		II				Emerson (Fisher)	USA/France/Japan	A					
9-E	Control valves for Soot blower pressure reducing ,SH/ RH Attenuperation.												
		I				Control Component India PVT Ltd	Sricity (Andhra Pradesh)	A			1.The critical components of control valve i.e. Disk Stack (Drag technology) shall be sourced from CCI, USA/CCI S. Korea . 2.The positioner from NTPC approved sources & pneumatic actuators are sourced from CCI S.Korea 3.Control valve to be manufactured as per CCI USA design & drawing.		
		I				KOSO India Pvt Ltd	Nasik	A					
		I				Emerson Process Management Ltd	Chennai	A					
		I				KSB MIL Controls Ltd	Thrissur (Kerala)	A					
		I				GE Oil & Gas India Pvt Limited	Coimbatore	A			up to 2500 ANSI Class		
		I				Flow Serve India Controls Pvt Ltd	Bengaluru	A					
		I				Instrumentation Limited	Palakkad (Kerala)	A			only for SH / RH		
		II				Nihon Koso Co Ltd	Japan	A					
		II				Dressor Masonellan	USA	A			only for SH / RH/ up to 2500 class		
		II				Dresser Produits industriels Industriels S.A.S	France	A					
		II				SPX Flow Technology	USA	A			only for SH / RH		
		II				Leslie Controls Inc	USA	A			only for SH / RH		
		II				Sempell AG (Tyco group)	Germany	A			only for SH / RH		

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		II				CCI	USA/Sweden /S Korea	A					
		II				Emerson (Fisher)	USA/France /Japan	A					
9-F	Control valve(Other application)												
		I				Mascot Valves Pvt Ltd	Ahmedabad	A			Up to size 12 inches & 900 ANSI class		
		I				Control Component India PVT Ltd	Sricity (Andhra Pradesh)	A			Up to 2500 ANSI class		
		I				KOSO India Pvt Ltd	Nasik	A					
		I				KSB MIL Controls Ltd	Thrissur (Kerala)	A			Up to 2500 ANSI class		
		I				Emerson Process Management Ltd	Chennai	A			Up to 2500 ANSI class		
		I				GE Oil & Gas India Pvt Ltd	Coimbatore	A			Up to size 10 inches & 900 ANSI class /Up to size 24 inches & 600 ANSI class		
		I				Flow Serve India Controls Pvt Ltd	Bengaluru	A			Up to size 14 inches & 600 ANSI class		
		I				Forbes Marshall Arca Pvt. Ltd.	Pune	A			Up to size 16 inches & 900 ANSI class		
		I				Instrumentation Limited	Palakkad (Kerala)	A			Up to 2500 ANSI class		
		I				Severn Glocon India Pvt Ltd	Chennai	A			Up to size 14 inches & 300 ANSI class		
		II				CCI	USA/Sweden /S Korea	A					
		II				Nihon Koso Co Ltd	Japan	A					
		II				Emerson (Fisher)	USA/France /Japan	A					
		II				Leslie Controls Inc	USA	A					
		II				PARCOL S.P.A	Italy	A					
		II				Dresser Produits industriels	France	A					
		II				Industriels S.A.S	Germany	A					
		II				HORA	Germany	A					
		II				Wellend & Tuxhorn	Germany	A					
		II				SPX Flow Technology	USA	A					
		II				Sempell AG (Tyco group)	Germany	A					
9-G	Control Valve (Ceramic lined)	I				Samson Controls Pvt Ltd	Pune	A			1. For M/S Samson Cera Germany make valve Up to 10 inches size & 150 ANSI class 2. BOI shall be tied up at the time of finalisation of MQP		
10	DDCMIS												
		I				ABB	Germany	A					
		I				SIEMENS AG	Germany	A					
		I				Emerson Process Management Asia Pacific Pvt Ltd	Singapore	A					
		I				Hitachi nest control system Pvt Ltd	Bengaluru	A					
		I				Honeywell Automation India Ltd	Pune	A					
		I				GE	France	A					
		I				SIEMENS	Gurugram	A					
		I				BHEL	Bengaluru	A			For MAX DNA System		
		I				Yokogawa	Bengaluru	A					
		I				GE Power India Ltd	Noida	A					
		I				Toshiba	Japan	A					
		I				ABB	Bengaluru	A					
		I				Emerson Process Management Ltd	Pawane	A					

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11	Dust Emission Monitor	III			Durag India Instrumentation Pvt Ltd	Bengaluru	A			1. For Durag Germany Make Extractive Type Dust density analyser 2. Other components shall be as per approval letter CQA/NTPC BARH STPP-I /D-263 / Durag India Instrumentation Pvt Ltd Bengaluru Dated 28.08.2019	
		III			Sick India Pvt Ltd	Mumbai	A			1.For SICK AG Make Extractive Type Dust density analyser 2. Other components shall be as per approval letter CQA/NTPC BARH-I /S-907/M/S SICK India Pvt Ltd dated 28.08.2019	
		III			Environment SA India Pvt Ltd	Navi Mumbai	A			1.For ENEVA UK Make Extractive Type Dust density analyser 2. Other components shall be as per approval letter No.: CQA/NTPC BARH-I /E-335 / M/S Environment SA India Pvt Ltd Dated 16.09.2019	
		III			Land Instruments International	UK	A			For In Situ type /Optical Transceiver type	
		III			Codel	UK	A			For In Situ type /Optical Transceiver type	
		III			Durag Industrie Elektronik GmbH & Co KG	Germany	A			For In Situ type /Optical Transceiver type & Extractive Type	
		III			Emerson Process Management	Ireland	A			For In Situ type /Optical Transceiver type	
		III			SICK AG	Germany	A			For In Situ type /Optical Transceiver type & Extractive Type	
		III			ENEVA	UK	A			For Extractive Type Dust density analyser	
12	Electrical Actuators										
12-A	Electrical Actuator (With gear box if applicable)										
		II			Antrieb Technik Pvt Ltd	Chennai	A			For low torque applications only	
		II			Auma	Bengaluru	A				
		II			Limitorque	Faridabad	A			Model no L120,SMB,I.Y series, Gear Box T, HBC Series	
		II			Rotork	Bengaluru	A			For low torque app (Up to 1000 Nm)	
		II			Rotork Controls (India) Private Ltd	Chennai	A			For low torque app (Up to 1000 Nm) & High torque 4000 to 7000 Nm With integral starter for non critical applications	
		III			Auma	Germany	A				
		III			Limitorque	USA	A				
		III			Rotork	UK	A			For low torque app (Up to 1000 Nm)	
		III			Nippon gear	Japan	A				
		III			Drehmo GMBH	Germany	A			C Matic Series (DMC/DMCR)	
12-B	Electrical Actuator- Non-Intrusive (With gear box if applicable)										
		I			Auma India Pvt Ltd	Bengaluru	A			Also acceptable for Field Bus based applicable	
		I			Rotork Control	Chennai	A			Upto 630Nm	
		III			Flowserve	USA	A			Also acceptable for Field Bus based applicable	
		III			Bernard Controls	France	A				

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12-C	Electrical actuator for ID/FP/PA Blade pitch ,IGV &SCOOP	III											
		III				Harold Beck & Sons Inc	USA	A					
		III				SIPOS Aktronik GmbH	Germany	A					
13	Electronics Transmitter (Pressure , DP and DP based Flow/Level)												
13-A	Electronics Transmitter (Pressure , DP and DP based Flow/Level)												
		III				ABB Ltd	Bengaluru	A			2600T & critical item from ABB Italy/ Their approved source;		
		III				Emerson Process Management Ltd	Pawane	A					
		III				Siemens Ltd	Thane	A			Model:-SITTRANS P		
		III				Honeywell Automation India Ltd	Pune	A					
		III				Baldota Control and Equipment Pvt Ltd	Navi Mumbai	A			PT & DPT of LD 301 Series (SMAR)		
		III				Yokogawa India Limited	Bengaluru	A			EJA-E 110,430,530 SERIES & all raw material and BOI under knocked down condition (sensor assembly as a single unit) shall be sourced from M/S Yokogawa Japan		
		III				M/s Endress + Hauser India Automation Instrument Pvt Ltd	Aurangabad	A					
		III				Emerson (Rosemount)	USA	A					
		III				Yokogawa	Japan	A					
		III				ABB	Germany / Italy	A			2600T & critical item from ABB Italy/ Their approved source;		
		III				Siemens	France	A			Sitrans P DSIII Series		
		III				Fuji Electric	France	A			FCX -AIII SERIES		
		III				Fuji	Japan	A					
13-B	Electronics Transmitter -Field Bus Based (Pressure , DP and DP based Flow/Level)												
		I				ABB India Ltd	Bengaluru	A			One no of Transmitter will be sent at DDCMIS supplier for function testing of field bus communication with DDCMIS during FAT		
		I				Yokogawa India Limited	Bengaluru	A			EJA-E 110,430,530 SERIES & all raw material and BOI under knocked down condition (sensor assembly as a single unit) shall be sourced from M/S Yokogawa Japan		
14	EOMS												