EPC PACKAGE FOR PANKI TPS (1x660 MW)

VENDOR LIST FOR ELECTRICAL ITEMS COVERED UNDER PROVENNESS CH. AS PER SPECIFICATION DOC# 14A14-SPC-G-0001

Sl. No	Name of Equipment	Vendor Proposed by Bidder	Place	On Provenness/ Qualifying exp.	On vendor details
1	Isolated Phase Busduct	BHEL	Rudrapur	DR	DR
2	Power Transformers	BHEL	Bhopal	DR	DR
		GE T&D	Naini	DR	DR
		ABB	Vadodara	DR	DR
		SIEMENS	Navi Mumbai	DR	DR
		EMCO	Thane	DR	DR
		BHEL	Jhansi	DR	DR
		CG Power & Industrial Solutions	Kanjurmarg/Mandideep	DR	DR
		GE T&D	Vadodara	DR	DR
		TELK	Agnamally	DR	DR
3	LT Switchgear ([redacted])	ABB India Limited	Baroda/Bangalore	DR	DR
		Ambit Switchgear Pvt Ltd	Bangalore	DR	DR
		BCH Electric Limited	Bangalore	DR	DR
		BCH Electric Limited	Faridabad	DR	DR
		BHEL EPD	Bangalore	DR	DR
		C & S Electric	Noida	DR	DR
		Control & Schematics	Hyderabad	DR	DR
		Crompton Greaves Consumer Electricals	Bangalore	DR	DR
		Cubic Control Systems	Bangalore	DR	DR
		GE Energy Services	Bangalore	DR	DR
		GE India Industrial Pvt. Ltd.	Chennai	DR	DR
		KMG Atoz Systems (P) Ltd.	Noida	DR	DR
		L&T	Mumbai/Coimbatore/ Chennai	DR	DR
		Meditron	Ranchi	DR	DR
		Nitya Electro Controls	Noida	DR	DR
		Power Control Equipments	Bangalore	DR	DR
		Pyrotech Electronics	Udaipur	DR	DR
		Schneider Electric India	Nasik/Bangalore/ New Delhi	DR	DR
		Siemens Ltd	Mumbai/Bangalore	DR	DR
		System Infotech	Bangalore	DR	DR
		Tenco Systems & Switchgear	Indore	DR	DR
		Tricolite Electrical Industrial	Ghaziabad	DR	DR
		Unilec	Gurgaon/ New Delhi	DR	DR
		VRL Automation Engineering & Proj.	Bangalore	DR	DR

Bharat Heavy Electricals Power Sector Marketing BHEL

Sl. No	Name of Equipment	Vendor Proposed by Bidder	Place	On Provenness/ Qualifying exp.	On vendor details
4	Auxiliary Oil Filled Transformers	BHEL	JHANSI	DR	DR
		ABB	Vadodara	DR	DR
		Andrew Yule	Chennai	DR	DR
		Ames Impex	Ahemdabad	DR	DR
		Ashok Transformers	Surat	DR	DR
		Bharat Bijlee Ltd.	Bangalore	DR	DR
		CG Power & Industrial Solutions	Malanpur	DR	DR
		Danish Private Limited	Jaipur	DR	DR
		ECE	Sonepat	DR	DR
		EMCO	JALGAON	DR	DR
		EMCO	Umala	DR	DR
		ESENNAR TRANSFORMERS	MEDAK	DR	DR
		Gujarat Transformers	Baroda	DR	DR
		Hammond Power Solutions	Hyderabad	DR	DR
		Indotech Transformers	Chennai	DR	DR
		INDCOIL Transformers Pvt. Ltd.	Thane, Mumbai	DR	DR
		KANOHAR ELECTRICALS	MEERUT	DR	DR
		Kirloskar	Mysore	DR	DR
		Kirloskar	Pune	DR	DR
		KRYFS POWER COMPONENT	SILVASA	DR	DR
		MARSONS LTD	KOLKATA	DR	DR
		Megawin Switchgear	Salem	DR	DR
		MEHRU ELECT. & MECH. ENGINEERS	Bhiwadi	DR	DR
		Rima Transformers Bangalore	Bangalore	DR	DR
		SCHNEIDER	Vadodara/ Bangalore	DR	DR
		SOUTHERN POWER	Bangalore	DR	DR
		Servomax	Bangalore	DR	DR
		Sudhir Power	Silvassa	DR	DR
		Sudhir Transformers	Bangalore	DR	DR
		Static Transformers	Indore	DR	DR
		Shilchar	Vadodara	DR	DR
		Telawne Power	Mumbai	DR	DR
		T & R (INDIA) LTD.	AHMEDABAD	DR	DR
		TELK	Kerala	DR	DR
		Technical Associate Ltd.	Sitarganj	DR	DR
		TESLA TRANSFORMERS	Govindpura,Bhopal	DR	DR
		Toshiba T&D	Medak	DR	DR
		UNIVERSAL POWER TRF	Bangalore	DR	DR
		Vijay Electricals	Hyderabad	DR	DR
		VOLTECH	KANCHIPURAM	DR	DR
		VOLTAMP TRANSFORMERS	SAVLI/ Vadodara	DR	DR

Bharat Heavy Electricals Limited
Power Sector Marketing
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Sl. No	Name of Equipment	Vendor Proposed by Bidder	Place	On Provenness/ Qualifying exp.	On vendor details
5	11 KV/ 3.3 KV Switchgear	BHEL	Bhopal	DR	DR
6a	Numerical Relay (IEC 61850 complaint)	SEL	Pullman,USA (Through New Delhi,India)	DR	DR
		Alstom T&D (Now GE T&D)	Stafford, UK/ Chennai	DR	DR
		GE Multilin	Spain/ Canada (Through India)	DR	DR
		Schneider	Chennai/ Finland/ Noida	DR	DR
		ABB	Vadodara/ Bangalore/ Finland/ Sweden	DR	DR
		Siemens	Germany	DR	DR
		Siemens	Goa	DR	DR
6b	Numerical Relay Network Integration System	SEL	USA / Bangalore	DR	DR
		GE T & D	Chennai / Bangalore	DR	DR
		Schneider	Chennai/ Noida	DR	DR
		ABB	Vadodara/ Bangalore	DR	DR
		Siemens	Goa / Kalwa	DR	DR
7	HT MOTOR FOR CWPUMP, ID FAN & BFP	BHEL	BHOPAL	DR	DR
8	LT Power & Control Cable (1.1 KV)	ABB Kabel	Germany	DR	DR
		Advance Cable	Bengaluru	DR	DR
		Alpha Communication	Ghaziabad	DR	DR
		Anhui Hualing	China	DR	DR
		Apar Industries Ltd	Umbergaon/ Mumbai/ Bangalore	DR	DR
		Associated Cables	Mumbai	DR	DR
		Bhansali Cables & Conductors	Bhiwadi	DR	DR
		Brooks Cables	Mumbai	DR	DR
		CCI	Nasik/ Bangalore/ Chennai	DR	DR
		Chandresh Cables	Gandhi Nagar	DR	DR
		CMI	Faridabad/ Delhi	DR	DR
		CMI	Baddi	DR	DR
		Cords Cables	Bhiwadi	DR	DR
		Cords Cables	New Delhi	DR	DR
		Crystal Cable	Howrah	DR	DR
		Delton Cable Ltd	Faridabad	DR	DR
		Delton Cable Ltd	New Delhi	DR	DR
		Diamond Power	Vadadora	DR	DR
		Dynamic Cables	Jaipur	DR	DR
		Elkay Telelink	Faridabad	DR	DR
		Epsillon Cables Pvt. Ltd	Nagpur	DR	DR
		Finecab Wires & Cables	Secunderabad	DR	DR
		Finolex	Pune	DR	DR
		Finolex	Mumbai	DR	DR
		Gemscabs Industries	Bhiwadi/ New Delhi	DR	DR

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Sl. No	Name of Equipment	Vendor Proposed by Bidder	Place	On Provenness/ Qualifying exp.	On vendor details
8	LT Power & Control Cable (1.1 KV)	Gloster Cables Ltd	Secunderabad	DR	DR
		Govind	Sahibabad/ Kolkata	DR	DR
		Goyoline Fibres (I) Ltd	Daman	DR	DR
		Goyoline Fibres (I) Ltd	Mumbai	DR	DR
		Gupta Power Cables	Khurda	DR	DR
		Gupta Power Cables	Kashipur	DR	DR
		Havells India Ltd.	Alwar	DR	DR
		Havells India Ltd.	Delhi	DR	DR
		Hindustan Vidyut Products Ltd	Faridabad	DR	DR
		Incab	Pune	DR	DR
		Incab	Nadiad	DR	DR
		Incom	Bulandshahar/ Delhi	DR	DR
		Indo Alusys Industries	Bhiwadi	DR	DR
		Indo Asian Fuse Gear Limited	Noida	DR	DR
		KEC International	Silvassa	DR	DR
		KEC International	Vadodara/ Mumbai	DR	DR
		KEC Intl	Mysore/ Chennai	DR	DR
		KEI Industries	Bhiwadi	DR	DR
		KEI Industries	New Delhi/ Chennai	DR	DR
		Krishna Electrical Industries Ltd	Gwalior	DR	DR
		LAPP INDIA (P) LTD	BANGALORE	DR	DR
		LASER Power	Kolkata	DR	DR
		LS Cable	Korea	DR	DR
		Manoj Cables Limited	Delhi	DR	DR
		Mansfield	Noida	DR	DR
		Marudhar Wires	Chennai	DR	DR
		Nangalwala Impex (P) Ltd	Alwar	DR	DR
		Nataraj Plast Industries	New Delhi	DR	DR
		NICCO	Shamnagar , Kolkata	DR	DR
		Pagoda Cables Pvt. Ltd	Noida	DR	DR
		Paramount Cable	Khushkhera, Alwar	DR	DR
		Paramount Cable	New Delhi/ Secunderabad	DR	DR
		Plaza Cables	New Delhi	DR	DR
		Polycab Wires Pvt. Ltd	Daman	DR	DR
		Polycab Wires Pvt. Ltd	Mumbai	DR	DR

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Sl. No	Name of Equipment	Vendor Proposed by Bidder	Place	On Provenness/ Qualifying exp.	On vendor details
8	LT Power & Control Cable (1.1 KV)	Prestige Cable	Delhi	DR	DR
		R.R. Kabel	Silvasa	DR	DR
		R.R. Kabel	Vadodara/ Mumbai	DR	DR
		Radiant Cables	Hyderabad	DR	DR
		Rallison	Bhiwadi	DR	DR
		Ravin Cables	Pune	DR	DR
		Ravin Cables	Bangalore	DR	DR
		Sam Cables	Rudrapur	DR	DR
		Sbee Cables	Bangalore	DR	DR
		Scot Innovation Wires And Cables	Baddi	DR	DR
		Scot Innovation Wires And Cables	New Delhi	DR	DR
		Servel	Neemrana/ New Delhi	DR	DR
		Shivapriya Cables Ltd.	Newdelhi	DR	DR
		Shyam Cable Industries	Delhi	DR	DR
		Special Cables	Rudrapur	DR	DR
		Special Cables	New Delhi	DR	DR
		SPM	Hyderabad	DR	DR
		Sree Cables	Banglore	DR	DR
		Sriram Cable	Bhiwadi/ Delhi	DR	DR
		Step Industries	Shahjahanpur	DR	DR
		Sterlite	Haridwar	DR	DR
		Suraj Cables	Delhi	DR	DR
		Suyog Cables	Vadodara	DR	DR
		T C Communication	Ghaziabad	DR	DR
		TCL Cables Ltd	Delhi	DR	DR
		Taihan Electric Wire	Korea	DR	DR
		Tbea Shandong	China	DR	DR
		Techmech Engineers	Bangalore	DR	DR
		Tempsens	Udaipur	DR	DR
		Teracom Limited	Chennai	DR	DR
		Thermocables	Hyderabad/ Bangalore	DR	DR
		Tirupati Plastomatics	Jaipur	DR	DR
		Torrent Cable Ltd	Nadiad	DR	DR
		Torrent Cable Ltd	Bangalore	DR	DR
		Toshniwal	Jaipur	DR	DR
		Ultracab (India) Limited	Rajkot	DR	DR
		Universal Cable Ltd.	Satna	DR	DR
		Varsha Cables	Mysore	DR	DR
		Vikas Cable Company	Delhi	DR	DR
		Vishal Cables	Thane	DR	DR
		Windsor Cbles	New Delhi	DR	DR
		Zenium Cables	Mumbai	DR	DR

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Sl. No	Name of Equipment	Vendor Proposed by Bidder	Place	On Provenness/ Qualifying exp.	On vendor details
9	H.T. Power Cables	Apar Industries	Valsad	DR	DR
		Apar Industries	Bangalore	DR	DR
		CCI	Nasik/ Mumbai/ Chennai	DR	DR
		CMI	Baddi/ Delhi	DR	DR
		CMI Energy	Delhi	DR	DR
		Crystal	Howrah	DR	DR
		Diamond Power	Vadodara	DR	DR
		Dynamic Cables Limited	Jaipur	DR	DR
		Finecab Wires & Cables	Secunderabad	DR	DR
		Finolex	Pune	DR	DR
		Gemscab	Bhiwadi	DR	DR
		Gemscab	Delhi	DR	DR
		Gloster Cables Ltd	Secunderabad	DR	DR
		Gupta Power	Kashipur	DR	DR
		Gupta Power	Khurda	DR	DR
		Havells India	Alwar	DR	DR
		Hindustan Vidyut Products Ltd.	Faridabad	DR	DR
		Incab	Pune	DR	DR
		KEC International	Vadodara	DR	DR
		KEC International	Mumbai	DR	DR
		KEI Industries	Bhiwadi	DR	DR
		KEI Industries	Bangalore	DR	DR
		Krishna Electrical Industries	Gwalior	DR	DR
		NICCO	Shamnagar, Kolkata	DR	DR
		Paramount	Khuskhera	DR	DR
		Paramount	Secunderabad	DR	DR
		Polycab Wires Pvt. Ltd	Daman	DR	DR
		Ravin	Pune/ Mumbai/ Bangalore	DR	DR
		Sri ram Cables	Bhiwadi	DR	DR
		Sri ram Cables	Delhi	DR	DR
		Sterlite	Haridwar	DR	DR
		Teracom Limited	Chennai	DR	DR
		Tirupati Plastomatics	Jaipur	DR	DR
		Torrent Cable	Nadaid	DR	DR
		Universal Cable	Satna	DR	DR

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Sl. No	Name of Equipment	Vendor Proposed by Bidder	Place	On Provenness/ Qualifying exp.	On vendor details
10	DG set (assembly testing)	M/s Sterling Generators Pvt Ltd	Silvasa	DR	DR
		M/s. BHEL Electrical Machines	Bangalore/ Kasargod	DR	DR
		M/s Supernova	Rajpur	DR	DR
		M/s Powerica	Silvasa	DR	DR
		M/s Jakson	Kathua	DR	DR
		Absotherm Services P Ltd,	Mumbai	DR	DR
		Apollo Power Systems Pvt. Ltd.	Bangalore	DR	DR
		CLLS	Singapore	DR	DR
		G D Anklesaria & Co.	Ratlam, MP	DR	DR
		GMMCO(Caterpillar)	Bangalore	DR	DR
		M/S Caterpillar	Hosur	DR	DR
		M/S MODI Mirrless	Delhi / Bangalore	DR	DR
		Kirloskar Oil Engines Ltd	Bangalore	DR	DR
		Kohler	Singapore	DR	DR
		Sudhir Gensets Ltd, Delhi (Cummins)	New Delhi	DR	DR
		TIL	Ghaziabad	DR	DR
		Trading Engineers (International)Limited	New Delhi	DR	DR
		Trans Generators Pvt. Ltd.	Bangalore	DR	DR
		Triangle Agencies& Sales Pvt Ltd	Bangalore	DR	DR
		Universal Generator.(Greaves Ltd.)	Bangalore	DR	DR
		Vijay Power Systems	Bangalore	DR	DR
		Wartsila NSD India Ltd	Bangalore	DR	DR
11	Battery (Ni-Cd)	M/S HBL-Power System	Hyderabad	DR	DR
		M/S Amcosaft	Bangalore	DR	DR
		Amar Raja Batteries	Tirupathi	DR	DR
		Exide Industries Limited	Kolkata	DR	DR
		Grid Power Conversion Pvt Ltd.	Bangalore	DR	DR
		Signotron (India) Pvt Ltd	Kolkata	DR	DR
		System Aid	Bangalore	DR	DR
		Hoppecke Batterien Gmbh & Co Kg	Germany/ Hyderabad	DR	DR
12	Battery (Lead Acid Plante)	M/s Exide	Kolkata	DR	DR
		Amar Raja Batteries	Tirupathi	DR	DR
		Amco Saft India Private Limited	Bangalore	DR	DR
		Grid Power Conversion Pvt Ltd.	Bangalore	DR	DR
		HBL NIFE POWER SYSTEMS LTD.	HYDERABAD	DR	DR
		Signotron (India) Pvt Ltd	Kolkata	DR	DR
		System Aid	Bangalore	DR	DR
		Hoppecke Batterien Gmbh & Co Kg	Germany/ Hyderabad	DR	DR
		Cummins Pulse Lite		DR	DR

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Sl. No	Name of Equipment	Vendor Proposed by Bidder	Place	On Provenness/ Qualifying exp.	On vendor details
13	Battery charger	Amararaja	Tirupati	DR	DR
		Chhabi electrical	Jalgaon	DR	DR
		Chloride Power	Kolkata	DR	DR
		Dubas	Bangalore	DR	DR
		Electronic Systems	Vadodara	DR	DR
		Emerson Network Power	Thane/ Bangalore	DR	DR
		HBL- Power System	Hyderabad	DR	DR
		Liveline Electronics	Kolkata	DR	DR
		Mass Tech Controls	Jalgaon/ Mumbai	DR	DR
		Power & Protection	Kolkata	DR	DR
		Servilink Engineers Pvt.Ltd.	Vadodara	DR	DR
		Sherene Electro Control Pvt Ltd	Mumbai	DR	DR
		Signotron (India) Pvt Ltd.	Kolkata	DR	DR
		Statcon	Hapur	DR	DR
		System Aid	Bangalore	DR	DR
		Universal Industrial Products	Mumbai	DR	DR
		Universal Instruments Manufacturing Co. Pvt. Ltd.	Bangalore	DR	DR
		Vertiv Energy	Maharashtra	DR	DR
		Saft Nife Power Systems	Singapore	DR	DR
14	400 kV Switchyard	BHEL	New Delhi	DR	DR
15	400 kV Circuit Breaker (SF6 CIRCUIT BREAKER)	GE T&D	CHENNAI	DR	DR
		SIEMENS	AURANGABAD	DR	DR
		CGL	NASIK	DR	DR
		ABB	VADODARA	DR	DR
16	400 kV Instrument Transformers (CURRENT TRANSFORMER)	GE T&D	HOSUR	DR	DR
		BHEL	BHOPAL	DR	DR
		BHEL	JHANSI	DR	DR
		ABB	VADODARA	DR	DR
		CGL	NASHIK	DR	DR
		MEHRU	BHIWADI	DR	DR
		VISHAL TRANSFORMER	MEERUT	DR	DR
		HEPTACARE	MEERUT	DR	DR
17	400 kV Instrument Transformers (Capacitor Voltage Transformer)	BHEL	BHOPAL	DR	DR
		ABB	VADODARA	DR	DR
		GE T&D	HOSUR	DR	DR
		CGL	NASHIK	DR	DR
		MEHRU ELECTRICALS	BHIWADI	DR	DR

Bharat Heavy Electricals Limited
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Sl. No	Name of Equipment	Vendor Proposed by Bidder	Place	On Provenness/ Qualifying exp.	On vendor details
18	400 kV Disconnectors	GR POWER	HYDERABAD	DR	DR
		HIVELM	CHENNAI	DR	DR
		SIEMENS	HYDERABAD	DR	DR
		ELEKTROLITES	JAIPUR	DR	DR
		SWITCHGEAR & STRUCTURALS	HYDERABAD/ BANESHWAR	DR	DR
		S&S POWER	PONDICHERRY	DR	DR
		BIMCO ISOLATORS	HYDERABAD	DR	DR
		KIRON TEXTILE INDUSTRIES	MUMBAI	DR	DR
		PROJECT ELECTRICAL INDUSTRIES (INDIA) PVT LTD.	KOLKATA	DR	DR
		MEDITRON	RANCHI	DR	DR
		ELPRO INTERNATIONAL	HYDERABAD	DR	DR
19	400 kV Surge Arrestor(AIS)	OBLUM	Hyderabad	DR	DR
		LAMCO	Hyderabad	DR	DR
		CGL	Nasik	DR	DR
20	220 kV Circuit Breaker	NOT APPLICABLE			
21	220 kV Instrument Transformers	NOT APPLICABLE			
22	220 kV Disconnectors	NOT APPLICABLE			
23	220 kV Surge Arrestor(AIS)	NOT APPLICABLE			
24	Control & Relay Panel / Substation Automation System, BCU, GRP, Energy Meter, Protective Relays Switchyard Protection	ABB	Peenya	DR	DR
		SIEMENS	Kalwa	DR	DR
		SCHNEIDER	Noida	DR	DR
		GE	Chennai	DR	DR
		BHEL	Bhopal (Only for C&R panel)	DR	DR
25	Control & Relay Panel	C&S ELECTRIC LTD	NOIDA	DR	DR
		ELKTRISCHEN POWER GEARS (P) LTD.	BANGALORE	DR	DR
		EMCONS	RANCHI	DR	DR
		HI-TECH SERVICES	BARODA	DR	DR
		KHOKHAR ELECTRICALS PVT. LTD	NOIDA	DR	DR
		MEDITRON	RANCHI	DR	DR
		POSITRONICS PRIVATE LIMITED	VADODARA	DR	DR
		POWER CONTROL EQUIPMENTS	BANGALORE	DR	DR
		STELMEC LIMITED	AHMEDABAD	DR	DR
		SYSTEM INFOTECH	BANGALORE	DR	DR
		TENCO SYSTEMS & SWITCHGEAR PVT. LTD.	INDORE	DR	DR
		VOLTECH MANUFACTURING CO., LTD.	KANCHIPURAM	DR	DR

Bharat Heavy Electricals Limited
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Sl. No	Name of Equipment	Vendor Proposed by Bidder	Place	On Provenness/ Qualifying exp.	On vendor details
26	Energy Meter	Conzerv	Bangalore	DR	DR
		Elster	Mumbai	DR	DR
		GEC Meters	UK	DR	DR
		Landis & GYR	Switzerland	DR	DR
		SEMS	Udaipur/Solan	DR	DR
27	Relays (Numerical and Auxiliary)	ABB	Sweden / Bangalore	DR	DR
		GE T&D	UK/CHENNAI	DR	DR
		SCHNEIDER	UK	DR	DR
		SIEMENS	GERMANY	DR	DR
		SCHNEIDER	Noida/Chennai	DR	DR

NOTE:

FOR THE PURPOSE OF QUALIFICATION OF BIDDERS/ SUB VENDOR(S), BHEL MAY ALSO PROPOSE ADDITIONAL VENDOR/ AGENCIES MEETING PROVENNESS CRITERIA STIPULATED IN CHAPTER-3, VOLUME-II OF TENDER SPECIFICATIONS DURING EXECUTION STAGE.

Bharat Heavy Electricals Limited
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BHEL

PROJECT : 1X660MW PANKI TPS (EPC Pkg.) PACKAGE : ELECTRICAL EQUIPMENT SUPPLY AND ERECTION CONT. NO.:					SUB- VENDOR LIST FOR ITEMS REQUIRING SUB-VENDOR / QUALITY PLAN APPROVAL		DOC NO. : 14A14-SPC-G-0001 REVISION NO. 00 DATE : PAGE : 1 OF 11
SL No.	ITEM	QP / INS CAT.	QP No.	SUBVENDORS PROPOSED BY BHEL	PLACE	SC APPL. STATUS	Remarks
1.	LT Busduct (air insulated NSPBD)	I		C&S Electric	Gr. Noida/ Hardwar	A	
				Stardrive	Chennai	A	
				Unilec	Gurgaon	A	Upto 3200A
				Spaceage Swgr	Bawal	A	
				REEP	Chennai	A	
				Enpro	Chennai	A	
				Jasper Engg	Noida	A	
				BHEL	Rudrapur	DR	
				Nitya Electroccontrols	Noida	DR	
				Balaji Electrocontrols	Bangalore	DR	
				Tricolite	Ghaziabad	DR	
				System Infotech	Bangalore	DR	
				Techup Engg	Tirchy	DR	
				Control & Schematics	Hyderabad	DR	
2.	Alternator	I		M/s Kirloskar Electric	Bangalore	A	415 V alternators
				M/s Cummins Generator Technology (Stamford)	U.K	A	415 V & 11 KV alternators
				M/s Leroy Somer	France	A	Up to 11kV alternator 3500 kW
				M/s Leroy Somer	Bangalore	DR	
				M/s Marathon	USA	A	Alternators for up to 415 V, 1500 KVA DG SET
				M/s Cummins Generator Technology (Stamford)	Ahmednagar	A	415 V Alternators up to 1600 KVA
				M/s Toshiba	Chennai	DR	
				M/s Toyo Denki Power System	Bangalore	A	11 kV, 1500 KVA
3.	Diesel engine	I		M/s Cummins	Pune	A	
				M/s Cater Pillar	USA	A	
				M/s Cater Pillar	Hosur	DR	
				M/s Mitsubishi	Japan	A	Diesel engine for up to 2000 KVA DG SET
				M/s MTU	Germany	A	Diesel engine for up to 1500 KVA DG SET
				M/s Perkins	UK	A	Diesel Engine For Up To 2000 KVA DG SET
				M/s Perkins	Aurangabad	A	Conditions apply
				Greaves Cotton (R & H)	Pune	DR	
				Ashok Leyland	Chennai	DR	
				Koel	Pune	DR	

(DIM-KUM-)

25/9/18

Sl. No.	ITEM	QP / INS CAT.	QP No.	SUBVENDORS PROPOSED BY BHEL	PLACE	SC APPL STATUS	Remarks
4.	GI cable trays, fitting & accessories including bends	I		Advance Power products	Howrah	A	Galvanization at Rukmani Fab & Gal- Howrah
				Amtech	Pune	A	Galvanization at B.G. Shirke – Pune
				Amtech	Mumbai	DR	
				APT Engineering Works	New Delhi	DR	
				A .V .Engineering	Chennai	DR	
				ASPG Infrastructures Pvt. Ltd.	Meerut	DR	
				Chemin Controls And Instrumentation	Pondicherry	DR	
				ERCON COMPOSITES	Jodhpur	DR	
				Eros Metal works	Nagpur	DR	
				GEE DEE Packages	Yelwala, Mysore	DR	
				General Composites (P) Ltd.	Mumbai	DR	
				Ghaima Engineering Pvt Ltd.	Mumbai	DR	
				Gram Engg.	Kolkata	DR	
				Inar Profiles Ltd	Enkapalli (Vishakhapatnam)	A	
				India Electric Syndicate	Kolkata	A	Galvanization at BMW Industries/B.P Projects- Howrah
				Indiana cable trays	Mumbai	A	Galvanization at Karamtara galvanizer- Mumbai
				Indiana Gratings	Pune	A	
				Indiana Gratings	Mumbai	DR	
				Indmark formtech	Pune	A	
				Industrial Perforation	Kolkata	A	Galvanized and offered for inspection at M/s Industrial Perforation Pvt Ltd, Ganganagar , Kolkata, WB
				Innospacer Engineering Technologies	Hegganahalli, Bangalore	DR	
				Kannade Anand Udyog	Mumbai	A	Fabrication at their units: A) Plot No. 42, Morivali, MIDC, District Thane & Plot No.: D-35 B) Anand Nagar MIDC, Addl. Ambernath, Dist.Thane Galvanization and offer the galvanized cable trays for inspection at D-34 Anand Nagar MIDC, Addl. Ambernath, Dist.Thane.

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Sl. No.	ITEM	QP / INS CAT.	QP No.	SUBVENDORS PROPOSED BY BHEL	PLACE	SC APPL STATUS	Remarks
4. (Cont d.)	GI cable trays, fitting & accessories including bends	I		M.J. Engineering	Okhla/ Bhiwadi	A	
				Mahaveer Engg.	Kolkata	DR	
				Maheshwari electrical	Noida	DR	
				MKSD Industries	Taloja	A	Galvanization from Encorp Power Trans- Palghar
				Namdhari Industrial	Ludhiana	DR	
				Parmar Metals	Rajkot	DR	
				Passive Infra	Hasangarh (Rohtak)	A	
				Patny System	Hyderabad	A	
				Patny system	Rajkot	A	
				Pentax Ferro Incoporate	Palghar	DR	
				Premier Power Products	Howrah	A	Galvanising at Neha Galvaniser- Howrah
				Prammen Industries	Pudukkottai	DR	
				Priyadarshini Enterprises	Bangalore	DR	
				Rabi Engg	Kolkata	A	Galvanizing from OWNER approved sources
				Ratan Projects	Howrah	A	Galvanization at DMP Projects- Howrah
				Regional Engineering Enterprises	Trichy	DR	
				Reliable Sponge	Kalunga	A	
				Rukmani	Raipur	DR	(Approved for Ladder type cable trays only)
				Rukmani	Hoogly	A	Galvanization at Rukmani Fab & Gal- Howrah
				Saral Industries	Rae Bareli (U.P.)	DR	
				Shiva Engg. Works	Kolkata	DR	
				Shreem Capacitors Pvt.Ltd.	Kolhapur	DR	
				Silverline Power Infrastructure (P)	Vadodara	DR	
				Steelite Engg.	Mumbai	A	
				Sumip Composites Pvt. Ltd.	Ahmedabad	DR	
				Sun Engineering	Dukkottai	DR	
				Techno Fab Manufacturing Ltd	Chennai	DR	
				Tech-Up Engineering Pvt Ltd.	Trichy	DR	
				T.R.G	Chennai	A	Galvanization at TM Radhakrishna Chetty & Co-Chennai
				UCIC PRIVATE LIMITED	KOLKATA	DR	
				Unitech Fabricators & Engineers	Howrah/ Hoogly	A	
				Vatco	Mumbai	A	Galvanization at Sigma Mumbai
				Vinfab Engineers	Mumbai	DR	

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PROJECT : 1X660MW PANKI TPS (EPC Pkg.) PACKAGE : ELECTRICAL EQUIPMENT SUPPLY AND ERECTION CONT. NO.:	SUB- VENDOR LIST FOR ITEMS REQUIRING SUB-VENDOR / QUALITY PLAN APPROVAL	DOC NO. : 14A14-SPC-G-0001 REVISION NO. 00 DATE : PAGE : 4 OF 11

Sl. No.	ITEM	QP / INS CAT.	QP No.	SUBVENDORS PROPOSED BY BHEL	PLACE	SC APPL STATUS	Remarks
5.	Cable tray flexible support system (GI)	I		Vatco	Mumbai	A	Galvanising at Sigma Mumbai
				Inar profiles	Enkapalli	A	
				Industrial perforations	Kolkata	A	
				Premier power products	Howrah	A	Galvanising at Neha Galvaniser- Howrah
				Steelite engg.	Mumbai	A	
				Indiana gratings	Pune/Mumbai	A	Galvanising at Poona Galvaniser- Pune
				Amtech	Pune	A	Galvanising at B.G. Shirke- Pune
				Ratan Projects	Howrah	A	Galvanization at OWNER approved sources
				Saral Industries	Raebareli	DR	
				Rabi Engineering Works	Kolkata	DR	
				MKSD Industries	Taloja	A	Galvanization from Encorp Power Trans-Palghar
				Patny Systems Pvt Ltd	Secunderabad	DR	
				Rukmani Electrical & Components	Kolkata	DR	
				Indmark Formtech	Pune	A	
6.	Lead coated steel flexible conduits	III		M/s PLICA	Ghaziabad	A	
				M/s Bansal Labs	Bhopal	A	
7.	Junction boxes / Link Boxes/ Test Link Box/ Adopter box, Switch Boxes, Pull Boxes (Hot Dip Galvanized)	III		Main contractor approved sources with galvanization from owner approved sources			
8.	FRP Junction boxes	III		Main contractor approved Sources			
9.	Cable termination kits & straight through jointing kit	I		3M Electro & Communication	Pune	A	up to 33 KV
				Classic Enterprises	Mumbai	DR	
				Evershine Electricals	Bangalore	DR	
				Frontier Technologies Pvt.Ltd.	Gurgaon	DR	
				Frontline Electricals,	Bangalore	DR	
				Hari Consolidated	Delhi	A	Heat shrinkable type Upto 11 KV with conditions
				Raychem	Halol	A	Heat shrinkable type up to 33 KV
				South Electric Co. Pvt Ltd.	Bangalore	DR	
				Yamuna Cable Accessories	Yamunanagar Haryana	DR	
				Yamuna Power & Infrastructure	Delhi	DR	

SL No.	ITEM	QP / INS CAT.	QP No.	SUBVENDORS PROPOSED BY BHEL	PLACE	SC APPL STATUS	Remarks
10.	Cable glands	III		Main contractor approved sources			
11.	Cable lugs	III		Main contractor approved makes with VDE or CE or UL or CSA marking on items or BIS approved makes with CML number.			
12.	Lighting fixtures with accessories (Filament type)	I		M/s Crompton	Mumbai	A	
				M/s Bajaj Electricals	Mumbai	A	
				M/s Philips	Noida	A	
				M/s Wipro	Mumbai/ Bangalore	A	
				M/s Surya Roshni	Noida	A	
				Canara Lighting Industries	Mangalore	DR	
				Crompton Greaves Consumer Electricals Limited	Bangalore	DR	
				Havell's India Ltd.	New Delhi	DR	
				Philips India Limited	Bangalore	DR	
				Vintus Systems	Bangalore	DR	
	Lighting fixtures with accessories(LED type)	I		M/s Wipro	Pune/ Bangalore	A	
				M/s Surya Roshni	Noida	A	
				M/s Bajaj	Mumbai	A	
				M/s Goldwyn	Noida	A	
				M/s Philips	Noida	A	
13.	Lamps(filament type)	III		M/s Crompton	Mumbai	A	
				M/s Bajaj Electricals	Mumbai	A	
				M/s Philips	Noida	A	
				M/ s Wipro	Mumbai	A	
				M/s Surya Rosini	Kashipur	A	
				BIS approved sources		A	
14.	Lighting Panels	I		Adlec Power	Rohad (Jhajjar)	A	
				Anand Power Ltd.	Noida	A	
				Avaid Technovator	Manesar	A	

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SL No.	ITEM	QP / INS CAT.	QP No.	SUBVENDORS PROPOSED BY BHEL	PLACE	SC APPL. STATUS	Remarks
14. (Contd.)	Lighting Panels	I		Bose Engineering	Kolkata	A	
			•	C&S Electric	Noida / Hardwar	A	
			•	Conquerent Control Systems	Manesar	A	
			•	Control & Schematics	Hyderabad	A	
			•	Control Devices	Kolkata	A	
				Cubic Control Systems	Bangalore	DR	
				Cyclo Electric Devices & Services	Bangalore	DR	
				Dynaspede Integrated Systems	Hosure	DR	
				Elktrischen Power Gears (P) Ltd.	Bangalore	DR	
				Enterprising Engineers	Bhopal	DR	
			•	GE	Bangalore	A	
				Gemco Controls Ltd	Faridabad	DR	
			•	Havells	Faridabad	A	
				Hensel Elecric India Pvt. Ld.	Chennai	DR	
			•	Hindustan Control & equipment Ltd	Kolkata	A	With fabrication & painting at unit II & MP Electrical Narendrapur
				Hi-Power Controls	Bangalore	DR	
				Hi-Tech Services	Baroda	DR	
			•	Jakson	Greater Noida	A	
			•	Jasper	Noida	A	
				Jolly Engineering Insustries	Kolkata	DR	
			•	L&T	Mumbai / Coimbatore/ Ahmednagar	A	
			•	Maktel	Vadodara	A	
			•	Nitya Electro Controls	Noida	A	
				Nitya Electrocontrols	Kolkata	DR	
			•	Novateur Electrical & distribution systems	Murthal	A	
				Orveem Industries	Bangalore	DR	
				Patny Systems Pvt Ltd	Secunderabad	DR	
			•	Positronics	Vadodara	A	
				Power & Proection	Kolkata	DR	
				Powertech Switchgears (I) Pvt Ltd	Newdelhi	DR	
				Prammen Industries	Tamil Nadu	DR	
				Prima Automation (India) Pvt Ltd	Gujarat	DR	
				Priyadarshini Enterprises	Bangalore	DR	
			•	Pyrotech	Udaipur	A	
				S.B. Power Systems	Bangalore	DR	

PROJECT : 1X660MW PANKI TPS (EPC Pkg.) PACKAGE : ELECTRICAL EQUIPMENT SUPPLY AND ERECTION CONT. NO.:					SUB- VENDOR LIST FOR ITEMS REQUIRING SUB-VENDOR / QUALITY PLAN APPROVAL		DOC NO. : 14A14-SPC-G-0001 REVISION NO. 00 DATE : PAGE : 7 OF 11
Sl. No.	ITEM	QP / INS CAT.	QP No.	SUBVENDORS PROPOSED BY BHEL	PLACE	SC APPL STATUS	Remarks
14. (Contd.)	Lighting Panels	I		Samcon Industrial Controls Pvt Ltd	Mumbai	DR	
				Sarvanna Switchgears	Bangalore	DR	
				Schneider	Nasik	A	
				Shrenik & Company	Ahmedabad	DR	
				Siemens	Mumbai	A	
				Space Switchgear	Gurgaon	DR	
				Switching Circuits	Kolkata	A	
				Tricolite	Sahibabad / Manesar	A	
				TTS Systematix Pvt Ltd	Kolkata	DR	
				Unilec	Gurgaon	A	
				VEE VEE Controls Private Limited	Bangalore	DR	
				Vidyut Control	Ghaziabad	A	
				VRL Automation Engineering & Projects Ltd	Bangalore	DR	
15.	Industrial /welding receptacles & boxes	III		Schneider	Nasik	A	
				M/s BCH	Faridabad	A	
				M/s BCH	Bangalore	DR	
				M/s Ajmera	Mumbai	A	
				M/S. Sakthi & Crown	Chennai	A	
				Meditron	Ranchi	DR	
				Cyclo Electric Devices & Services	Bangalore	DR	
				Best & Crompton Engg. Limited	Chennai	DR	
				Naptune India Ltd	Newdelhi	DR	
				Controls & Switchgear Company	Noida	DR	
				Control Devices	Kolkata	DR	
				Hensel Elecric India Pvt. Ld.	Chennai	DR	
				Any other make having CE / UL / CSA mark or BIS approval with valid CML number is acceptable.			
16.	Lighting mast with raise & lower type lantern carriage	I		M/s Bajaj	Pune	A	
				M/s Bajaj	Mumbai	DR	
				M/s BP Projects	Hoogly	A	
				M/s Skipper	Howrah	A	
				M/s Transrail	Silvasa	A	
				Crompton Greaves Consumer Electricals Limited	Bangalore	DR	
				Wipro Enterprises Pvt Ltd	Bangalore	DR	

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PROJECT : 1X660MW PANKI TPS (EPC Pkg.) PACKAGE : ELECTRICAL EQUIPMENT SUPPLY AND ERECTION CONT. NO.:	SUB- VENDOR LIST FOR ITEMS REQUIRING SUB-VENDOR / QUALITY PLAN APPROVAL	DOC NO. : 14A14-SPC-G-0001 REVISION NO. 00 DATE : . PAGE : 8 OF 11

Sl. No.	ITEM	QP / INS CAT.	QP No.	SUBVENDORS PROPOSED BY BHEL	PLACE	SC APPL. STATUS	Remarks
17.	Lighting tubular pole	I		BIS licensee as per IS 2713 with valid CML number		A	
	Lighting poles polygonal type	I		M/s Bajaj	Pune/ Mumbai	A	
				M/s B.P. Projects	Hoogly	A	
				M/s Skipper	Hoogly	A	
				M/s Transrail	Silvasa	A	
				Wipro Enterprises Pvt Ltd	Bangalore	DR	
				SUMIP Composites	Ahemedabad	DR	
				ASPG Infrastructures	Meerut	DR	
				Ridhdhi Poles	Vadodara	DR	
18.	PVC conduit/hume pipe/lighting wire/GI pipes/HDPE pipe/Structural Steel	III		BIS licensee / ISI marked with valid CML number		A	
19.	GI steel rigid conduit/ epoxy conduit	II		BIS licensee with valid CML number		A	
20.	Trefoil clamps/Earthing & Lighting Protection Material/Sheet Steel/ FRP cable trench cover/drum lifting jack/Earth wire/ FRP/Aluminum Ladder/Dimmer & Passive Infrared Sensors	III		Main contractor Approved Sources			
21.	FAN with regulators & Exhaust Fan	III		Main contractor Approved Sources			
22.	Fire Sealing System Type A material supplier	III		Dow Corning	USA	A	
				GE Slicon	USA	A	
				3M India	Bangalore	A	
				Asharam Engg	Raigarh	DR	
				Multi kil fire	Baroda	DR	
				Unifrax India	Ahmedabad	DR	
				Murugappa	Ranipet	DR	
				Lyods	Delhi	DR	

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PROJECT : 1X660MW PANKI TPS (EPC Pkg.) PACKAGE : ELECTRICAL EQUIPMENT SUPPLY AND ERECTION CONT. NO.:					SUB- VENDOR LIST FOR ITEMS REQUIRING SUB-VENDOR / QUALITY PLAN APPROVAL		DOC NO. : 14A14-SPC-G-0001 REVISION NO. 00 DATE : PAGE : 9 OF 11
Sl. No.	ITEM	QP / INS CAT.	QP No.	SUBVENDORS PROPOSED BY BHEL	PLACE	SC APPL STATUS	Remarks
23.	Fire Sealing System Type-B material supllier	II		M/s Lloyds	Delhi	A	
				M/s Signum	Nagpur	A	
				M/s Vijay System Engineers Pvt. Ltd.	Mumbai	A	
				Asharam Engg	Raigarh	DR	
				Multi kilfire	Baroda	DR	
				Unifrax India	Ahmedabad	DR	
				Murugappa	Ranipet	DR	
24.	LT Switchgear [redacted] (Already covered under vendor list for electrical items covered under proveness cl.)			ABB Limited	Bangalore	DR	
				Adarsha Control Systems	Bangalore	DR	
				Adobe Metal Products	Bangalore	DR	
				Advance Power Controls Limited	Noida	DR	
				Ambit Switch Gear Pvt Ltd	Noida	DR	
				Ambit Switchgear Pvt Ltd	Bangalore	DR	
				Automation Networks & Services	Kolkata	DR	
				Balaji Electro Controls	Bangalore	DR	
				BCH Electric Limited	Faridabad	DR	
				BCH Electric Limited	Bangalore	DR	
				BHEL EPD	Bangalore	DR	
				Bose Engineering (India) Pvt. Ltd.	Kolkata	DR	
				C & S Electric Ltd	Noida	DR	
				Control Engineering Co.	Chennai	DR	
				Control & Schematics Ltd.	Hyderabad	DR	
				Control Devices	Kolkata	DR	
				Control Infotech P Ltd	Bangalore	DR	
				Crompton Greaves Consumer Electricals	Bangalore	DR	
				Cubic Control Systems	Bangalore	DR	
				Dynaspede Integrated Systems	Hosure	DR	
				Elecmech Switchgear & Instrument	Mumbai	DR	
				Elins Switchboards Pvt Ltd.	Bangalore	DR	
				Elktrischen Power Gears	Bangalore	DR	
				Emcons	Ranchi	DR	
				GE India Industrial Private Limited	Chennai	DR	
				Gemco Controls Ltd	Faridabad	DR	
				Havell's India Ltd.	Newdelhi	DR	
				Hensel Elecric India Pvt. Ld.	Chennai	DR	

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PROJECT : 1X660MW PANKI TPS (EPC Pkg.) PACKAGE : ELECTRICAL EQUIPMENT SUPPLY AND ERECTION CONT. NO.:					SUB- VENDOR LIST FOR ITEMS REQUIRING SUB-VENDOR / QUALITY PLAN APPROVAL		DOC NO. : 14A14-SPC-G-0001 REVISION NO. 00 DATE : PAGE : 10 OF 11
Sl. No.	ITEM	QP / INS CAT.	QP No.	SUBVENDORS PROPOSED BY BHEL	PLACE	SC APPL STATUS	Remarks
24.	LT Switchgear [redacted]			Hindustan Controls & Equipment	Kolkata	DR	
				Hi-Tech Services	Baroda	DR	
				Indo Asian Fuse Gear Limited	Noida	DR	
				Industrial Controls & Appliances	Mumbai	DR	
				Industrial Controls & Drives (I)	Chennai	DR	
				Industrial Switch Gear & Controls	Mumbai	DR	
				Jaksons Engineers Limited	Noida	DR	
				Jasper Engineers Pvt.Ltd.	Noida	DR	
				Jolly Engineering Insustries	Kolkata	DR	
				Khokhar Electricals Pvt. Ltd	Noida	DR	
				Kmg Atoz Systems (P) Ltd.	Noida	DR	
				Larsen & Toubro Limited	Chennai	DR	
				Lotus Power Gear Private Ltd	Bangalore	DR	
				Lotus Power Gear Private Ltd.	Bangalore	DR	
				Jasper Engineers	Noida	DR	
				Meditron	Ranchi	DR	
				Naptune India Ltd.	Newdelhi	DR	
				NIE Power & Engineering (P) Ltd.	Bangalore	DR	
				Nikitech Electric Pvt Ltd.	Bangalore	DR	
				Nitya Electro Controls	Noida	DR	
				Popular Switchgear Pvt Ltd.	Mumbai	DR	
				Positronics Private Limited	Vadodara	DR	
				Power Control Equipments	Bangalore	DR	
				Power & Proection	Kolkata	DR	
				Power Plus (Bangalore)	Bangalore	DR	
				Powertech Switchgears (I)	Newdelhi	DR	
				Pyrotech Electronics	Udaipur	DR	
				S.B. Power Systems	Bangalore	DR	
				Samcon Industrial Controls	Mumbai	DR	
				Schneider Electric India	Newdelhi	DR	
				Sen & Singh Engineers	Kolkata	DR	
				Siemens India Ltd.	Bangalore	DR	
				Sri Vishnu Industries	Bangalore	DR	
				Switching Circuits	Kolkata	DR	
				System Infotech	Bangalore	DR	
				Tech-Up Engineering	Trichy	DR	
				Tenco Systems & Switchgears	Indore	DR	
				Tricolite Electrical Industries	Sahibabad	DR	
				TTS Systematix Pvt Ltd	Kolkata	DR	

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PROJECT : 1X660MW PANKI TPS (EPC Pkg.) PACKAGE : ELECTRICAL EQUIPMENT SUPPLY AND ERECTION CONT. NO.:					SUB- VENDOR LIST FOR ITEMS REQUIRING SUB-VENDOR / QUALITY PLAN APPROVAL		DOC NO. : 14A14-SPC-G-0001 REVISION NO. 00 DATE : PAGE : 11 OF 11
Sl. No.	ITEM	QP / INS CAT.	QP No.	SUBVENDORS PROPOSED BY BHEL	PLACE	SC APPL STATUS	Remarks
24.	LT Switchgear [redacted]			Unilec Engineers Limited	New Delhi	DR	
				Universal Industrial Products	Mumbai	DR	
				Vee Vee Controls Private Ltd.	Bangalore	DR	
				Venson Electric Co. Ltd	Bangalore	DR	
				Venus Controls & Switchgear Pvt.Ltd.	Kolkata	DR	
				Vmax Power Controls Pvt Ltd	Hyderabad	DR	
				VRL Automation Engineering & Proj.	Bangalore	DR	

NB:

UNDER SUB SUPPLIER APPROVAL STATUS AS PER OWNER COLUMN:

A: For this items proposed vendor is acceptable to Owner/Owner's Consultant.

DR: For these items "Details required for Owner/Owner's Consultant review.

Under QP / INSPN CATEGORY column:

CAT-I : For these items the Quality Plans approved by OWNER & final acceptance will be on physical inspection & witness by OWNER

CAT-II : For these items the Quality Plans approved by OWNER. However no physical inspection shall be done by OWNER. The final acceptance by OWNER shall be on basis of verification of documents as per approved QP

CAT-III : For these items Main supplier approves the Quality Plans. The final acceptance by OWNER shall be on basis of certificate of conformance by the main supplier.

Vendors acceptance is subject to sub-QR clearance. Sub-QR criteria as per the scope/technical specification shall also be applicable for consideration as approved manufacturer/vendor

Note-1-Approval conditions attached to above identified vendors, as applicable shall be adhered to.

Note-2-

1. M/s M J Engg,Delhi 2. DMP Projects- Howrah 3. M/s A.V. Engg, Kolkata 4. M/s Inar Profiles, Vishakapatnam 5. M/s Anand Udyog, Mumbai 6. M/s Techno Engg,Chandigarh 7. M/S Steelite Engg, Mumbai 8. M/s National Galvanizer, Kolkata 9. M/s Unistar Galvanizer, Kolkata 10. M/s B.P. Project. Kolkata 11. M/s Bajaj Pune	12. M/s Electrocare Industries, Mumbai 13. M/s B.G. Shirke, Pune 14. M/s Gurpreet Galvanizer, Hyderabad 15. M/s Sigma, Mumbai 16. M/s Radhakrishnan Shetty, Chennai 17. Karamtara Mumbai 18.Poona Galvanizers Pune 19. Neha Galvanizer- Howrah	20. Unitech Fabricators & Galvanizers- Hoogly 21- Patny Systems- Mehdak 22- Indiana Gratings- Pune 23- Reliable Sponge- Kalunga 24- Encorp Power Trans- Palghar 25- Nandan Steels- Raipur	Additional galvanizer/s , if any , proposed by manufacturer through main contractor during detailed engineering shall be reviewed & assessed by OWNER as per the merits of the case.

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PROJECT : Panki (1x660MW) EPC pkg. PACKAGE : Motors DOC. NO. : 14A14-SPC-G-0001				INDICATIVE VENDOR LIST FOR ITEMS REQUIRING SUB-VENDOR / QUALITY PLAN APPROVAL		DOC NO. : REVISION NO. 00 DATE : 20.07.18 PAGE : 1 OF 1	
Sl. No.	ITEM	QP / INS CAT.	QP No.	ACCEPTABLE SUPPLIER AS PER DATABASE	PLACE	SC APPL STATUS	REMARKS
1.	LT Motors (Upto 200 KW) (Refer Note-1)	I		Bharat Bijlee	Mumbai	A	
				KEC	Bangalore/ Hubli*	A	*UPTO 90KW
				Marathon	Kolkata	A	
				CGL	Ahmednagar	A	
				ABB	Faridabad*/ Bangalore	A	*UPTO 55 KW
				Laxmi Hydraulics	Solapur	A	
				Siemens	Kalwa/Mumbai	A	
2.	H.T. Motors (Refer Note 2)	I		BHEL	Bhopal	A	

NB:
Under Sub Supplier approval status: A: mean that vendor for this item is acceptable to NTPC.

Under QP / INSPN CATEGORY column:
CAT-I : For these items, the Quality Plans approved by Owner/ Owner's consultant & final acceptance will be on physical inspection & witness by Owner/ Owner's consultant.

NOTE 1: FOR LT MOTORS:

a) Less than 30 KW:
Acceptance of Motor less than 30 KW is based on COC of the manufacturer and the 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 temperature, voltage and frequency variation, hot starts, pull out torque, starting KVA/KW, temperature rise, distance between centre of stud & gland plate and tested in accordance with approved drawings/data sheets.

b) 30 KW-50 KW:
Acceptance of motor rating between 30 KW & 50 KW is based on NTPC review of Routine Test Inspection Report as per IS 325 witnessed by main contractor along with COC of the manufacturer and the 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 temperature, voltage and frequency variation, hot starts, pull out torque, starting KVA/KW, temperature rise, distance between centre of stud & gland plate, space heater and tested in accordance with approved drawings/data sheets.

c) Above 50 KW as per NTPC approved quality plan:
Approval Conditions attached to above vendors-as applicable shall prevail.

NOTE 2: Sub-QR criteria as per the scope/technical specification shall be applicable for consideration as approved manufacturer/vendor. Main contractor shall hold the responsibility of seeking sub-QR clearance from Owner/ Owner's consultant before seeking QA's approval.

General Note:
1) For item not appearing in the above list, main contractor to approach NTPC for acceptable vendors & inspection categorization of the same.
2) Approval conditions to above identified vendors shall be adhered to.

(DLH-KM-)

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PROJECT : 1x660 MW PANKI TPS (EPC PACKAGE) PACKAGE : ROOFTPO SOLAR PV PACKAGE (NON-3K ITEM) CONT. NO. :					SUB- VENDOR LIST FOR ITEMS REQUIRING SUB-VENDOR / QUALITY PLAN APPROVAL	DOC NO. : 14A14-SPC-G-0001 DATE : PAGE : 1 OF 2	
Sl. No.	ITEM	QP / INS CAT.	QP No.	SUB-SUPPLIERS PROPOSED by M/s BHEL	PLACE	SC APPL STATUS	Remarks
1	SPV Module	I		BHEL	Bangalore	A	
2	String Inverter	II		ABB	Bangalore	DR	
				SMA	Niestetai	DR	
				Schneider	Bangalore	DR	
				Delta	China	A	Model- RPI-M10A, RPI-M15A, RPI-M20A, RPI-M30A, RPI-M50A
				Sungrow	China	DR	
				Refusol	Pune	DR	
				Ingeteam	U.S.A	DR	
				Kaco	Germany	DR	
3	DC Cables (Interconnecting SPV modules)	II		LAPP	Korea	A	
				Leoni	Switzerland	A	
				Siechem	Pondicherry	A	
				Apar	Khatalwada	A	
				Incab Industries Ltd	Pune	DR	
				Delton Cables Ltd	New Delhi	DR	
				Thermo Cables Ltd	Mumbai	DR	
				Ravin Cables Ltd	Mumbai	DR	
				Nicco Corporation Ltd	Bangalore	DR	
				Cable Corporation Of India Ltd	Nashik	DR	
				Finolex Cables Ltd	Gurugram	DR	
				Polycab Wires Pvt.Ltd	Mumbai	DR	
				Gemscab Industries Ltd	New Delhi	DR	
				Torrent Power Ltd	Ahmedabad	DR	
				Universal Cables Ltd	Madhya Pradesh	DR	
				Havells India Ltd	Noida	DR	
				Pagoda Cables	Noida	DR	
				KEC International Ltd	Mumbai	DR	
				FORT Gloster Industries Ltd	Andhra Pradesh	DR	
				KEI	Chennai	DR	
4	FQP for SPV modules	G-01		BHEL			

(DGM-(QM-)

25/9/18

PROJECT : 1x660 MW PANKI TPS (EPC PACKAGE) PACKAGE : ROOFTPO SOLAR PV PACKAGE (NON-3K ITEM) CONT. NO. :					SUB- VENDOR LIST FOR ITEMS REQUIRING SUB-VENDOR / QUALITY PLAN APPROVAL	DOC NO. : 14A14-SPC-G-0001 DATE : PAGE : 2 OF 2	
Sl. No.	ITEM	QP / INS ~~CAT.~~	QP No.	SUB-SUPPLIERS PROPOSED by M/s BHEL	PLACE	SC APPL STATUS	Remarks

NB:
Under Sub Supplier approval status as per column:
A: For this items proposed vendor is acceptable to Owner/Owner's Consultant
DR: For these items "Details required for Owner/Owner's Consultant review.

Under QP / INSPN CATEGORY column:
CAT-I : For these items the Quality Plans approved by OWNER & final acceptance will be on physical inspection & witness by OWNER
CAT-II : For these items the Quality Plans approved by OWNER. However no physical inspection shall be done by OWNER. The final acceptance by OWNER shall be on basis of verification of documents as per approved QP
CAT-III : For these items Main supplier approves the Quality Plans. The final acceptance by OWNER shall be on basis of certificate of conformance by the main supplier.

Vendors acceptance is subject to sub-QR clearance. Sub-QR criteria as per the scope/technical specification shall also be applicable for consideration as approved manufacturer/vendor
Note-1-Approval conditions attached to above identified vendors, as applicable shall be adhered to.
Note-2-Comprehensive L2 list of sub-vendors shall be finalized with finally selected L1 vendor but prior to order finalization on l1 vendor by the bidder

(PARTH DAMOR)
BHEL

25/9/18

(QA&I Consultant)

This approval is only for vendors for non-3K items. Approval of 3K (sub QR) item vendors shall be accorded separately on submission of documents by BHEL, in line with the provenness criterion as per bid specification. Any 3K item vendor inadvertently approved in this list, shall be treated null and void.

PROJECT : 1X660MW PANKI TPS Extn. PACKAGE : EPC Pkg. CONTRACTOR: M/S BHEL	LIST AND STATUS OF ITEM REQUIRING QP AND SUB-SUPPLIER APPROVA	DOC NO. : 14A14-SPC-G-0001 REVISION NO. 00 DATE :

Sl. No.	ITEM	QP / INS CAT.	QP No.	SUB-SUPPLIERS	PLACE	SC APPL STATUS	Remarks
				Non-3K Items			
1.	Misc EOT Cranes (Sub-vendors indicated at Sl no 1 are also acceptable)	I		ARMSELL	Bangalore	A	Upto 10 Tons
		I		Avon Cranes	Gurgaon	A	Upto 40 Tons
		I		Brady & Morris Enginnering	Ahmedabad	DR	
		I		Century Crane Engineers	Ballabhgarh/ Ahmedabad	DR	Ballabgarh Works Approved Upto 30 Tons
		I		Consolidated Hoist	Satara / Pune	DR	Satara Works approved - Upto 40 Tons
		I		Cranex	Sahibabad	A	Approved Upto 35 Tons
		I		Eddy Cranes	Pune	A	Upto 10 Tons
		I		Eddycranes Engineers Pvt. Ltd.	Mumbai	DR	
		I		Electrotheraphy	Rishra	DR	
		I		GMW Pvt. Ltd.	Vadodara	DR	
		I		Grip Engineers	Hyderabad	A	Approved Upto 50 Tons
		I		Grip Engineers	Faridabad	DR	
		I		Hercules Hoist	Raigad	DR	
		I		Konecranes Pvt. Ltd.	Mumbai	DR	
		I		Mangla Hoists	Greater Noida	DR	
		I		Meeka Machinery	Ahmedabad	DR	
		I		Meltech Cranes Pvt Ltd.	Mumbai	DR	
		I		Millers India	Karamsad	A	Upto 45 Tons
		I		Prayas Engineering Ltd. (Erstwhile Power Build Ltd.)	Vadodara	A	Upto 22 Tons
		I		Rock Well Hoisto	Bahadurgarh	DR	
		I		S Crane	Palghar	DR	
		I		Safex	Ahmedabad	DR	
		I		Shivpra Cranes	Hyderabad	DR	
		I		Smaco Engineering	Navi Mumbai	A	Upto 45 Tons
		I		Techno	Ahmedabad	DR	
		I		TISCO Growth	Jamshedpur	A	Upto 105 Tons
		I		Tractel Tirfor India Pvt. Ltd.	Palwal	A	Upto 10 Tons
		I		Transpade Engineers Pvt Ltd	Bangalore	DR	
		I		Tuobro Furguson (India) Pvt Ltd	Kolkata	A	Approved Upto 25 Tons
		I		UNICON	Noida	DR	
		I		Universal Hoist-O-Fabrik	Mumbai	A	Upto 15 Tons

25/9/18

27/09/18 (QA&I Consultant)

PROJECT : 1X660MW PANKI TPS Extn. PACKAGE : EPC Pkg. CONTRACTOR: M/S BHEL	LIST AND STATUS OF ITEM REQUIRING QP AND SUB-SUPPLIER APPROVA	DOC NO. : 14A14-SPC-G-0001 REVISION NO. 00 DATE :

Sl. No.	ITEM	QP / INS CAT.	QP No.	SUB-SUPPLIERS	PLACE	SC APPL STATUS	Remarks
				3K Items			
1.	TG Hall EOT Cranes (Refer Note 1) & Lifting Beam	I		Alpha Services	Bhiwadi	DR	Approved for Double Girder upto 40 Tons, Single Girder upto 15 Tons
		I		Anupam Industries Ltd.	V U Nagar, Anand	DR	Approved Upto 300 Tons
		I		Electromech (India)	Pune	DR	
		I		Furnace & Fondry Eqpt. Co.(FAFCO)	Vadodara/ Mumbai	DR	Vadodara works approved - upto 150 Tons, Mumbai - Upto 200 Tons
		I		Heavy Engg. Corporation Ltd.	Ranchi	DR	Approved Upto 265 Tons
		I		Henan Weihua Heavy Machinery	China	DR	
		I		Mukand Limited	Thane	DR	Approved Upto 300 Tons
		I		Reva Industries Ltd.	Faridabad	DR	Approved Upto 45 Tons
		I		TEREX India Pvt. Ltd.	Pune	DR	
		I		Unique Industrial Handlers	Nashik	DR	Approved Upto 300 Tons
		I		WMI Konecranes Pvt. Ltd.	Pune	DR	Approved Upto 300 Tons

25/9/18

Ankush
27/09/18
(QA&I Consultant)

PROJECT : 1X660MW PANKI TPS Extn. PACKAGE : EPC Pkg. CONTRACTOR: M/S BHEL	LIST AND STATUS OF ITEM REQUIRING QP AND SUB-SUPPLIER APPROVA	DOC NO. : 14A14-SPC-G-0001 REVISION NO. 00 DATE :

Sl. No.	ITEM	QP / INS CAT.	QP No.	SUB-SUPPLIERS	PLACE	SC APPL STATUS	Remarks
2.	Misc Electric Hoists	I		Alpha Services	Bhiwadi	A	Approved Upto 15 Tons
		I		Anupam Industries	V U Nagar, Anand	DR	
		I		Armsell	Bangalore	A	Upto 15 Tons
		I		Avon Cranes	Gurgaon	A	Upto 20 Tons
		I		Brady & Morris Enginnering	Ahmedabad	A	Upto 10 Tons
		I		Century Crane Engineers	Ballabhgarh/ Ahmedabad	DR	Ballabhgarh Works Approved Upto 25 Tons
		I		Consolidated Hoist	Satara / Pune	A	Approved Upto 35 Tons at Satara & Upto 15 Tons at Pune works
		I		CU-Built Engineers	Pune	DR	
		I		Cranex	Sahibabad	A	Approved Upto 35 Tons
		I		Dynamech Cranes	Thane	DR	
		I		Eddy Cranes	Pune	A	Upto 14 Tons
		I		Eddycranes Engineers Pvt. Ltd.	Mumbai	DR	
		I		Electrotheraphy	Rishra	DR	
		I		Global Technologies	Hyderabad	DR	
		I		Grip Engineers	Hyderabad	A	Approved Upto 40 Tons
		I		Grip Engineers	Faridabad	A	Approved Upto 20 Tons
		I		Hercules	Raigad	A	Upto 15 Tons
		I		LEAP	Delhi	A	Upto 5 Tons
		I		Mangla Hoists	Greater Noida	A	Upto 10 Tons
		I		Mega Cranes	Coimbatore	DR	
		I		Meeka Machinery	Ahmedabad	DR	
		I		Meltech Cranes Pvt Ltd.	Mumbai	DR	
		I		Millers India	Karamsad	A	Upto 45 Tons
		I		Power Build P Ltd	Vv Nagar,India	DR	
		I		Prayas Engineering Ltd.	Vadodara	A	Upto 22 Tons
		I		Reva Industries	Faridabad	A	Approved Upto 25 Tons
		I		Rock Well Hoisto	Bahadurgarh	DR	
		I		Safex	Ahmedabad	DR	
		I		Shivpra Cranes	Hyderabad	DR	
		I		SMACO Engineering	Navi Mumbai	A	Upto 2 Tons
		I		Techno	Ahmedabad	DR	
		I		Tractel Tirfor India Pvt. Ltd.	Palwal	A	Upto 15 Tons
		I		Transpade Engineers Pvt Ltd	Bangalore	DR	
		I		Tuobro Furguson (India) Pvt Ltd	Kolkata	A	Approved Upto 5 Tons
		I		Universal Hoist-O-Fabrik	Mumbai	A	Upto 20 Tons

25/9/18

7/09/18 (QA+I Consultant)

PROJECT : 1X660MW PANKI TPS Extn. PACKAGE : EPC Pkg. CONTRACTOR: M/S BHEL	LIST AND STATUS OF ITEM REQUIRING QP AND SUB-SUPPLIER APPROVA	DOC NO. : 14A14-SPC-G-0001 REVISION NO. 00 DATE :

Sl. No.	ITEM	QP / INS CAT.	QP No.	SUB-SUPPLIERS	PLACE	SC APPL STATUS	Remarks
3.	Chain Pulley Block (Upto 5 Tons in Cat-II)	I		Armsell	Bangalore	A	Approved Upto 5 Tons
		I		Bakelite Electrical Mfg.	Mumbai	DR	
		I		Brady & Morris Engineering	Ahmedabad	DR	
		I		Century Crane	Ballabhgarh	A	Approved Upto 15 Tons
		I		Hercules (Indef)	Raigad	A	Approved Upto 15 Tons
		I		LEAP	Delhi	A	Approved Upto 12 Tons
		I		Techno Industries	Ahmedabad	DR	
		I		Tractel Tirfor India Pvt. Ltd.	Palwal	DR	
		I		Tractel Trifel	Kalyani	A	Upto 22 Tons
		I		Tuobro Furguson (India) Pvt Ltd	Howrah	DR	
		I		Universal Hoist-O-Fabrik	Thane -Mumbai	DR	
4.	Fire Tenders	I		Brijbasi Hi-Tech Udyog	Mathura	DR	
		I		United Manufacturing Co.	Bahadurgarh	DR	
		I		Vijay Fire Vehicles & Pumps Ltd	Umbergaon	A	
		I		Ambala Coach Builders	Ambala	A	
		I		Aarel Industries	Indore	DR	
		I		Wadia Bodybuilders	Ahmedabad	A	

Note 1 : Subject to Sub-QR clearance by Engg as per Technical Specification
Note 2 : Comprehensive L-2 list of sub-vendors shall be finalized alongwith the finally selected L-1 vendor but prior to order finalization on L-1 vendor by the Bidder.

LEGENDS:

1. SYSTEM SUPPLIER / SUB-SUPPLIER APPROVAL STATUS CATEGORY
   A – For these items proposed vendor is acceptable to Owner/Owner's Consultant alongwith the condition of approval, if any.
   DR – For these items "Detailed required" for Owner/Owner's Consultant review.
   NOTED – For these items vendors are approved by Main Supplier and accepted by Owner/Owner's Consultant without any specific vendor approval
2. QP/INSPN CATEGORY:
   CAT-I : For these items the Quality Plans are approved by Owner/Owner's Consultant Alongwith And The Final Acceptance Will Be On Physical Inspection Witness By Owner/Owner's Consultant Alongwith .
   CAT-II : For these items the Quality Plans approved by Owner/Owner's Consultant alongwith. However no physical inspection shall be done by Owner/Owner's Consultant alongwith. The final acceptance by Owner/Owner's Consultant alongwith shall be on the basis review of documents as per approved QP.
   CAT-III : For these items Main Supplier approves the Quality Plans. The final acceptance by Owner/Owner's Consultant alongwith shall be on the basis certificate of conformance by the main supplier.

25/9/18

07/09/18
(A&I Consultant)

PROJECT : 1X660MW PANKI TPS PACKAGE : ELEVATORS (REV 01) CONTRACTOR: M/S BHEL	SUB- VENDOR LIST FOR ITEMS REQUIRING SUB-VENDOR / QUALITY PLAN APPROVAL	DOC NO. : 14A14-SPC-G-0001 REVISION NO. 01 DATE :

Sl. No.	ITEM	QP / INS CAT.	QP No.	SUB-SUPPLIERS	PLACE	SC APPL STATUS	Remarks
1.	ELEVATOR	I		ECE	Ghaziabad	A	
				Techno	Ahmedabad	A	
				Otis	Mumbai	A	
				Kone	Chennai	A	
				Omega	Ahmedabad	A	
				Samil Eltec	Korea	A	
				Johnson	Chennai/ Nagpur	DR	
				Schindler	Mumbai	DR	
				Alikräft	Vadodara	DR	
				Universal Construction Machinery	Pune	DR	
				Avon Cranes	Gurgaon	DR	
				Mekaster	Halol	DR	

(PARTH DAMOR)
BHEL

25/9/18

S.N. Tripathi
(QA&I - Consultant)

This approval is only for vendors for non-3K items. Approval of 3K (sub QR) item vendors shall be accorded separately on submission of documents by BHEL, in line with the provenness criterion as per bid specification. Any 3K item vendor inadvertently approved in this list, shall be treated null and void.

NTPC	Project : Panki Thermal Power Station (1x660 MW) Package : EPC Pkg- Oil Filled Transformers (GT, Reactor, ST, UT, Auxiliary Transformer, Maintenance Equip), Dry Type Transformer, IPBD, SPBD) Main Contractor : M/s BHEL Contract No.: 14A14-SPC-G-0001	LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL	Doc.No: 14A14-SPC-G-0001-QOE-R-00 REV.NO. : 0 DATE : 31.07.2018 PAGE : 2 OF 4

S.No.	Item Description	QP/ Insp. Cat	QP # 14A14-SPC-QVE-	QP Sub Schedule	QP Approval Schedule	Acceptable Sub-Supplier as per database	Place	Sub-supplier approval status / cat	Sub-supplier Details submission schedule	Remark
4	OIL FILLED AUXILIARY TRANSFORMER (≤72.5 kV Class) L1 Level Vendor (Refer Note 4 & 5) *3K item. BHEL to submit proposal seperately.*	1	Q-004			BHEL	JHANSI	DR		
						Andrew Yule	Chennai	DR		
						Ames Impex	Ahemdabad	DR		
						Ashok Transformers	Surat	DR		
						CG Power & Industrial Solutions	Malanpur	DR		
						Danish Private Limited	Jaipur	DR		
						ECE	Sonepat	DR		
						EMCO	JALGAON	DR		
						EMCO	Umala	DR		
						ESENNAR TRANSFORMERS	MEDAK	DR		
						Gujarat Transformers	Baroda	DR		
						Hammond Power Solutions	Hyderabad	DR		
						Indotech Transformers	Chennai	DR		
						KANOHAR ELECTRICALS	MEERUT	DR		
						Kirloskar	Mysore	DR		
						Kirloskar	Pune	DR		
						KRYFS POWER COMPONENT	SILVASA	DR		
						MARSONS LTD	KOLKATA	DR		
						Megawin Switchgear	Salem	DR		
						Rima Transformers	Bangalore	DR		
						SCHNEIDER	VADODARA / BANGALORE	DR		
						SOUTHERN POWER	BANGALORE	DR		
						Servomax	BANGALORE	DR		
						Sudhir Power	Silvassa	DR		
						Sudhir Transformers	Bangalore	DR		
						Static Transformers	Indore	DR		
						Shilchar	Vadodara	DR		
						Telawne Power	Mumbai	DR		
						T & R (INDIA) LTD.	AHMEDABAD	DR		
						Technical Associate Ltd.	Sitarganj	DR		
						TESLA TRANSFORMERS (U-2)	23-A, Sector-B, Industrial Area, Govindpura,Bhopal	DR		
						Toshiba T&D	Medak	DR		
						UNIVERSAL POWER TRF	BANGALORE	DR		
						Vijay Electricals	Hyderabad	DR		
						VOLTECH	KANCHIPURAM	DR		
						VOLTAMP TRANSFORMERS	SAVLI/ Vadodara	DR		
5	BUS REACTOR (400 kV Class) L1 Level Vendor (Refer Note 4) *3K item. BHEL to submit proposal seperately.*	1	Q-005			ABB Ltd. (MPT/LPT)	Vadodara	~~DR~~	DR	
						BHEL	Bhopal	~~DR~~		
						SIEMENS	NAVI MUMBAI	~~DR~~		
						GE T&D	Naini	~~DR~~		
						TBEA	VADODARA	DR		
						CGL	Kanjurmarg	~~DR~~		

1. All testing and inspection shall be carried out as per approved Quality Plan.
2. This approval is only for vendors for non-3K items. Approval of 3K (sub QR) item vendors shall be accorded separately on submission of documents by BHEL, in line with the provenness criterion as per bid specification. Any 3K item vendor inadvertently approved in this list, shall be treated null and void.

31/07/18

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NTPC	Project : Panki Thermal Power Station (1x660 MW) Package : EPC Pkg- Oil Filled Transformers (GT, Reactor, ST, UT, Auxiliary Transformer, Maintenance Equip), Dry Type Transformer, IPBD, SPBD) Main Contractor : M/s BHEL Contract No.: 14A14-SPC-G-0001	LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL	Doc.No: 14A14-SPC-G-0001-QOE-R-00 REV.NO. : 0 DATE : 31.07.2018 PAGE : 3 OF 4

S.No.	Item Description	QP/ Insp. Cat	QP # 14A14-SPC-QVE-	QP Sub. Schedule	QP Approval Schedule	Acceptable Sub-Supplier as per database	Place	Sub-supplier approval status / cat	Sub-supplier Details submission schedule	Remark
6	NEUTRAL GROUNDING RESISTOR	II	Q-006			RSI SWITCHGEAR PVT. LTD.	BHIWADI	A		
						S.R.NARKHEDE	PUNE	A		
						LACHHMAN ELECTRONICS	NEW DELHI	A		
						RESITECH ELECTRICALS	KOLKATA	A		
						AMPCONTROL EQUIPMENTS	PUNE	A		250 V, 1000A for 5 Min. & 11 kV, 600 A for 30 sec
						National Resistors	Pune	DR		
7	NEUTRAL GROUNDING TRANSFORMER L1 Level Vendor (Refer Note 4)	II	Q-007			PRAGATI ELECTRICALS	THANE	A		
						PRAYOG ELECTRICALS	PUNE	A		
						Hammond Power Solutions	HYDERABAD	A		
						VOLTAMP	SAVLI	A		
						KANOHAR ELECTRICALS LTD.	MEERUT	A		
						CGL	MALANPUR	A		
						TESLA TRANSFORMERS (U-2)	23-A, Sector-B, Industrial Area, Govindpura,Bhopal	A		
						TOSHIBA	HYDERABAD	A		
						PS ELECTRICALS	CHENNAI	DR		
						T & R (INDIA) LTD.	AHMEDABAD	A		
8	MV Busduct (IPBD) L1 Level Vendor (Refer Note 4 & 5)	I	Q-008	*3K item. BHEL to submit proposal seperately.*		BHEL	RUDRAPUR	DR		
						C&S	NOIDA/HARIDWAR	DR		
						POWERGEAR	CHENNAI/HINDUPUR	DR		
9	MV Busduct (SPBD) L1 Level Vendor (Refer Note 4)	I	Q-009			BHEL	RUDRAPUR	A		
						C&S	NOIDA/HARDWAR	A		
						POWERGEAR	CHENNAI/HINDUPUR	A		
10	ON LINE DGA ANALYZER	III	*			GE Kelmen Ltd	UK	A		Main Contractor to obtain prior approval from Owner/Owner's Consultant for the Model of equipment they intent to supply, before placing order
						Serveron	USA	A		
						NLGOM	China	A		
						A-eberle (EMH EncRGIE)	Germany	A		
						DOBLE	USA	DR		
						GE SYPROTECH	Canada	DR		
						Hydran	Canada	DR		
						MTE	SwitzerLand	DR		
						Morgan Scehaffer	Canada	A		
11	ON LINE MOISTURE REMOVAL SYSTEM	III	*			Transec	UK	A		
						Ravin Infra	Pune	A		Approval Conditions Apply
						CEE DEE VACUUM EQUIPMENTS PVT LTD	PUNE	A		Approval Conditions Apply
						PTSS	Combaitore	A		
						Dry Keep	USA	DR		
						Velcon	USA	DR		
						Dry Keep	South Africa	A		
12	OIL PURIFYING EQUIPMENT	I	Q-010			VPI	Pune	A		
						CEEDEE Vacuum	Pune	A		
						Fowler Westrup	Bangalore	A		

1.All testing and inspection shall be carried out as per approved Quality Plan.
2.This approval is only for vendors for non-3K items. Approval of 3K (sub QR) item vendors shall be accorded separately on submission of documents by BHEL, in line with the provenness criterion as per bid specification. Any 3K item vendor inadvertently approved in this list, shall be treated null and void.

31/07/18

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1.All testing and inspection shall be carried out as per approved Quality Plan.
2.This approval is only for vendors for non-3K items. Approval of 3K (sub QR) item vendors shall be accorded separately on submission of documents by BHEL, in line with the provenness criterion as per bid specification. Any 3K item vendor inadvertently approved in this list, shall be treated null and void.

NTPC	Project : Panki Thermal Power Station (1x660 MW) Package : EPC Pkg.- Oil Filled Transformers (GT, Reactor, ST, UT, Auxiliary Transformer, Maintenance Equip), Dry Type Transformer, IPBD, SPBD) Main Contractor : M/s BHEL Contract No.: 14A14-SPC-G-0001	LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL	Doc.No: 14A14-SPC-G-0001-QOE-R-00 REV.NO. : 0 DATE : 31.07.2018 PAGE : 4 OF 4

S.No.	Item Description	QP/ Insp. Cat	QP # 14A14-SPC-QVE-	QP Sub. Schedule	QP Approval Schedule	Acceptable Sub-Supplier as per database	Place	Sub-supplier approval status / cat	Sub-supplier Details submission schedule	Remark
13	OFAF COOLER	II	Q-011			LUVATA	Sweden/China	A		
						ABB	Sweden	A		
						Kelvion	China	A		
						BHEL	Bhopal	A		
						Asha Bhanu Tech Services	Hyderabad	A		
						Tada Electric Co. Ltd	Japan	A		
						Coiltech AB	Sweden	A		
						GEI Hamon	Bhopal	DR		
						Unifin	Canada	DR		
						Serk Heat Transfer	UK	A		
						Fitwell	Bhopal	A		
14	COMPOSITE MONITORING SYSTEM	I	Q-012			Dyanamic Ratings	USA	A		
						A-eberle	Germany	A		Approval Conditions Apply
						BHEL	Bhopal	A		
						GE Grid	Germany	DR		
						MR	Germany	A		CMS Module for Siemens, Austria
						Siemens	Navi Mumbai	A		
15	Enclosure for CMS System	III				BHEL	Bhopal	A		
						Rittal	Bangalore	A		
						Pyrotech	Udaipur	A		
						Maktel	Vadodara	A		
16	FQP FOR OIL FILLED TRFs	I	G-001			M/s BHEL		A		
17	FQP FOR BUS REACTOR	I	G-002					A		
18	FQP FOR NGT	I	G-003					A		
19	FQP FOR DRY TYPE TRF	I	G-004					A		
20	FQP FOR MV BUSDUCT	I	G-005					A		
21	WPS FOR TRF TANK	I	W-001					A		
22	WPS FOR BUSDUCT	I	W-002					A		

NOTE:

1. SYSTEM SUPPLIERS/SUB-SUPPLIERS APPROVAL STATUS CATEGORY(SHALL BE FILLED BY NTPC)
   A-For this items proposed vendor is acceptable to Owner/Owner's Consultant.To be indicated with letter "A" in the list along with condition of approval,if any
   DR-For these items "Details required for Owner/Owner's Consultant review.To be identified with letter "DR" in the list.
2. QP / INSPN CATEGORY
   CAT-I :For these items the Quality Plans approved by Owner/Owner's Consultant & final acceptance will be on physical inspection witness by Owner/Owner's Consultant
   CAT-II :For these items the Quality Plans approved by Owner/Owner's Consultant.However no physical inspection shall be done by Owner/Owner's Consultant.The final acceptance by Owner/Owner's Consultant shall be on basis of documents as per approved QP
   CAT-III :For these items Main supplier approves the Quality Plans.The final acceptance by Owner/Owner's Consultant shall be on basis of certificate of conformance by the main supplier.
   - :Control measure of item covered in quality plan of main item.
3. UNITS/WORKS : Place of manufacturing/ Place of Main Supplier of multi units/works.
4. Comprehensive L-2 list of sub-vendors shall be finalized with the finally selected L-1 vendor, but prior to order finalization on L-1 vendor by the Bidder.
5. Item listed under Provenness in Vol-2, Ch-1.0 and are Subjected to Sub-QR clearance

31/07/18.

Scanned by CamScanner

NTPC	Project : Panki Thermal Power Station (1x660 MW) Package : EPC Pkg- Oil Filled Transformers (GT, Reactor, ST, UT, Auxiliary Transformer, Maintenance Equip), Dry Type Transformer, IPBD, SPBD) Main Contractor : M/s BHEL Contract No.: 14A14-SPC-G-0001	LIST OF ITEMS REQUIRING QUALITY PLAN AND SUB-SUPPLIER APPROVAL	Doc.No: 14A14-SPC-G-0001-QOE-R-00 REV.NO. : 0 DATE : 31.07.2018 PAGE : 1 OF 4

S.No.	Item Description	QP/ Insp. Cat	QP # 14A14-SPC-QVE-	QP Sub. Schedule	QP Approval Schedule	Acceptable Sub-Supplier as per database	Place	Sub-supplier approval status / cat	Sub-supplier Details submission schedule	Remark
1	OIL FILLED POWER TRANSFORMER (Above 72.5 kV & UP TO 400 kV Class) L1 Level Vendor (Refer Note 4 & 5) *3K item. BHEL to submit proposal seperately.*	1	Q-001			GE T&D	Naini	DR		
						ABB	VADODARA	DR		
						SIEMENS	NAVI MUMBAI	DR		
						EMCO	THANE	DR		
						BHEL	BHOPAL	DR		
						BHEL	JHANSI	DR		
						CG Power & Industrial Solutions	KANJURMARG/MANDIDEEP	DR		
						GE T&D	VADODARA	DR		
						TELK	AGNAMALLY	DR		
2	DRY TYPE TRANSFORMER L1 Level Vendor (Refer Note 4)	1	Q-002			ABB	Savli	A		Up to 8 MVA, 24 kV Class
						Raychem	Pune	A		Up to 3.5 MVA, 33 kV Class
						Toshiba	Hyderabad	A		Up to 2.0 MVA, 33 kV Class
						BHEL	Jhansi	A		Up to 6.3 MVA, 33 kV Class
						Kirloskar	Pune	A		Up to 4.0 MVA, 33 kV Class
						Sudhir Power	Silvassa	A		Up to 1 MVA, 11 kV Class
						Voltamp	Savli	A		Up to 3.25 MVA, 33 kV Class
3	OIL FILLED SERVICE / UNIT TRANSFORMER (≤72.5 kV Class) L1 Level Vendor (Refer Note 4)	1	Q-003			BHEL	JHANSI	A		
						Kirloskar	Mysore	A		Up to 16 MVA, 33 kV Class
						Kirloskar	Pune	A		Up to 2.0 MVA, 33 kV Class
						KRYFS POWER COMPONENT	SILVASA	A		Up to 2.5 MVA, 33 kV Class
						SCHNEIDER	VADODARA	A		Up to 50MVA, 132 kV Class
						EMCO	JALGAON	A		Up to 16 MVA, 33 kV Class
						EMCO	Umala	A		Up to 2.0 MVA, 33 kV Class
						ESENNAR TRANSFORMERS	MEDAK	A		Up to 16 MVA, 66 kV Class
						T & R (INDIA) LTD.	AHMEDABAD	A		Up to 90 MVA, 132 kV Class
						VOLTAMP TRANSFORMERS	SAVLI	A		Up to 3.5 MVA, 33KV Class
						TESLA TRANSFORMERS (U-2)	23-A, Sector-B, Industrial Area, Govindpura,Bhopal	A		UP TO 5 MVA, 33 KV Class
						Toshiba T&D	Medak	A		
						KANOHAR ELECTRICALS LTD.	MEERUT	A		Up to 16 MVA, 33 kV Class
						Technical Associate Ltd.	Sitarganj	A		Up to 16 MVA, 33 kV Class, Approval Conditions Apply
						Hammond Power Solutions	Hyderabad	A		Up to 10.0 MVA, 33 kV Class
						Indotech Transformers	Chennai	A		Up to 16 MVA, 11 kV Class
						Sudhir Transformers	Bangalore	A		Up to 12.5 MVA, 33 kV Class
						Sudhir Power	Silvassa	A		Up to 12.5 MVA, 33 kV Class
						ECF	Sonepat	A		Up to 4.0 MVA, 11 kV Class
						Andrew Yule	Chennai	A		Up to 10.0 MVA, 33 kV Class
						CG Power & Industrial Solutions	Malanpur	A		Up to 7.5 MVA, 33 kV Class
						MARSONS LTD	KOLKATA	DR		
						UNIVERSAL POWER TRF	BANGALORE	DR		
						SOUTHERN POWER	BANGALORE	DR		
						Danish Private Limited	Jaipur	DR		

1.All testing and inspection shall be carried out as per approved Quality Plan.
2.This approval is only for vendors for non-3K items. Approval of 3K (sub QR) item vendors shall be accorded separately on submission of documents by BHEL, in line with the provenness criterion as per bid specification. Any 3K item vendor inadvertently approved in this list, shall be treated null and void.

31/07/18 (Aman Pandey) (NTPC)

(PARTH DAMIOR) (BHEL)

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Venkateshwar Rao

From: Rakesh Pandey <rakesh.pandey@bhel.in>
Sent: 28 September 2018 18:40
To: 'S Ragavan'; 'AMIT GUPTA-ISG'; 'Venkateshwar Rao'; 'M Veeranjaneyul'; 'Lovekush verma'; Ganesh Yadav
Cc: 'RAJSHEKHAR S.PUJARI-ISG'; 'BINDU L-ISG'
Subject: Fwd: 1x660 MW Panki TPS: Electrical & Material Handling vendor list
Attachments: Electrical (3K vendors) SUB-QR list.pdf; Electrical (Non 3K) vendors list.pdf; Material Handling (Cranes,Hoists&Elevators) list.pdf

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---------- Forwarded message ----------
From: "**Parth Damor**" <parth@bhel.in>
Date: Fri, Sep 28, 2018 at 3:19 PM +0530
Subject: 1x660 MW Panki TPS: Electrical & Material Handling vendor list
To: "'Sumit Gupta - HPBP(TRICHY)'" <sumitgupta.s@bhel.in>, "'SHRI PARKASH -PEM'" <spyadav@bhel.in>, "'NARASIMHA PRASAD S'" <snp@bhel.in>, <somendra@bhel.in>, <vmishra@bhel.in>, <p.mishra@bhel.in>, <pawanbce@bhel.in>, <mandvi@bhel.in>, "'Paras Kumar Ludu'" <paraskumar.ludu@bhel.in>, <anjenee@bhel.in>, <bhavanishankar@bhel.in>, <sravi@bhel.in>, <rakesh.pandey@bhel.in>, "'Jeetendra D Rajdev-PE & SD'" <jeetendra@bhel.in>, "'SHIVJYOTI MANDAL'" <shivjyotim@bhel.in>, "'ABHINAV KUMAR'" <abhinavk@bhel.in>, <adas@bhel.in>
Cc: "'Gaurav Garg-PSMG'" <gaurav@bhel.in>, "'P Gurusami, HPBP(TRICHY)'" <pguru@bhel.in>, "'BK AGARWAL, PEM'" <bimal@bhel.in>, <mahendra.prasad@bhel.in>, "'shyamsundar Rao'" <syam@bhel.in>, "'AMIT SHARMA'" <sharma.amit@bhel.in>, <mrani@bhel.in>, <yssingh@bhel.in>, <bani@bhel.in>, <joshimm@bhel.in>, <csdeolikar@bhel.in>, "'Amit Mittal-HEP'" <a.mittal@bhel.in>, <asanyal@bhel.in>, <vksingh@bhel.in>, "'pmishra'" <pmishra@bhel.in>, <ndd@bhel.in>, <kakumar@bhel.in>, <psureshkumar@bhel.in>, "'Gagan Mittal'" <gaganm@bhel.in>, <sudipt@bhel.in>, <msarkar@bhel.in>, "'pmishra'" <pmishra@bhel.in>, "'NATARAJAN M - BAP'" <mnrajan@bhel.in>, <kmsundaram@bhel.in>, <anoopjames@bhel.in>

Dear All,

Kindly find enclosed herewith the following vendor lists for Panki project duly reviewed by Owner/ Owner's consultant:

1. SUB QR (3K items) vendor list for Electrical items
2. Non-3K items vendor list for Electrical items
3. Material Handling vendor list

The same has been uploaded at PS-Mktg homepage and can be accessed by following the link path given below:
PS-Mktg homepage (10.23.48.7) -> Ongoing Contracts -> Coal -> UPRVUNL Panki TPS Extn. -> View

Kindly note that the following vendor lists have already been provided to units and has been uploaded at PS-Mktg homepage given above.

1. BHEL Hyderabad-SG Scope
2. BHEL Trichy- SG Raw Material
3. BHEL Ranipet- SG AUX & ESP
4. BHEL Piping Centre Chennai
5. BHEL PSNR-SG&ESP Erection Vendors
6. BHEL Trichy- SG
7. BHEL Hyderabad-TG Scope
8. BHEL PSNR-TG Erection Vendors
9. BHEL Haridwar-Turbine L3 vendors
10. BHEL Trichy- SG package L3 vendors
11. BHEL Haridwar-Electrical scope
12. BHEL Haridwar-HP Turbine vendor list (Siemens scope of supply)
13. BHEL Bhopal & Trichy vendor list
14. SUB QR (3K items) vendor list for Mechanical items

(Note: Sl. No. 1 to Sl. No. 13 provided to units vide Mktg mail dt. 15.09.2018 & Sl. No. 14 provided to units vide Mktg mail dt. 17.09.2018)

Customer has categorically mentioned in trailing mail that approval of SUB-QR (3K items) vendors shall be accorded separately on submission of vendor proposals, in line with the provenness criterion (mentioned as per Vol. II, Chapter-04 of bid specification).

Accordingly, the vendor proposals need to be submitted by units at UPRVUNL email ID: se.panki660@gmail.com and any shortcomings in the vendor proposals need to be directly addressed by unit also.

As conveyed by UPRVUNL & NTPC in recent meetings, please note that each vendor proposal need to be submitted in SINGLE mail separately along with the following details:

a) Duly filled Attachment-3K format for EACH vendor against the package pertaining to unit.
   Note - Attachment-3K is already available with units coordinators and has also been uploaded at PS-Mktg homepage with the name "Volume-I, Section-VI, Book 1 of 3 (Part 2)" of tender specifications.
b) Performance certificates/ Experience certificates of Sub-vendor meeting the provenness/ qualification criteria mentioned in the Volume-II, Chapter-04 of tender specifications.
c) Reference project details of sub-vendor and customer certificates.
d) Any other relevant vendor credentials/ documents as required in Attachment 3K format.

Kindly note that the above procedure is given to units for information only and may not be comprehensive.

QA representatives from units need to understand the detailed requirements w.r.t. vendor proposal submission from UPRVUNL & NTPC.

Regards,

PARTH DAMOR
Sr. Executive (Power Sector -Marketing)
Phone : 011-66337856
Mobile: +91 9711678506

From: SEPPMM panki660 [mailto:se.panki660@gmail.com]
Sent: 25 September 2018 19:46
To: Parth Damor
Cc: ce.ppmm; iendigeri@ntpc.co.in; sitalkr@ntpc.co.in
Subject: vendor approval

Dear Sir,

Kindly find enclosed herewith the following non-3K vendor submissions by BHEL duly recommended by NTPC and are approved and signed by UPRVUNL for Panki Project.-

1. Electrical non-3K vendor list
2. Material Handling list

May kindly note that the above approvals are only for vendors for non-3K items. Approval of 3K (sub QR) item vendors shall be accorded separately on submission of documents by BHEL, in line with the provenness criterion as per bid specification. Any 3K item vendor inadvertently approved in this list, shall be treated null and void.

The non-3K item vendors for electrical items and elevators approved earlier vide mail dated 11.09.2018 are included in the attached list and hence shall be treated as cancelled.

All testing and inspection shall be carried out as per approved QAP based on qualified vendor's plant standard and meeting the technical specification requirements.

Regards

S.N. Mishra
SE-IV, PPMM
UPRVUNL