

परियोजना
इंजीनियरिंग
प्रबंधन
Project Engineering
Management

भारत हेवी इलेक्ट्रिकल्स लिमिटेड
(भारत सरकार का उपक्रम)
Bharat Heavy Electricals Limited
(A Govt. of India Undertaking)



Ref: PE/PG/GTG/E-4896/15/Corrigenda/01

Date: 07/July/2015

DUE DATE
10-JULY-2015
BY 09.00 AM (IST)

Subject: Revised Sub-vendor list in Technical Specification of Hydrogen Generation Plant of 2X800MW Gadarwara Stg I project & 4X250 MW Nabinagar TPP TG Project

Our Ref: TENDER ENQUIRY NO: **PE/PG/GTG/E-4896/15 Dt: 10-06-2015** for Hydrogen Generation Plant of 2X800MW Gadarwara Stg I project & 4X250 MW Nabinagar TPP TG Project

1. **Revised sub-vendor list in technical specification** is attached. Please consider the revised sub-vendor list previously uploaded/ provided.

Kindly submit your offer considering the above point.

Please ensure submission of offer before due date.

Thanking You

With regards
For & on behalf of BHEL

Brijesh
07.07.15

Brijesh Yadav

Sr. Engineer | PG III, BHEL PEM | Noida
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कृपया प्रेषित करे : Please reply to : फोन Phone No:
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पीपीआई भवन PPEI Building,
प्लॉट नं २५, सेक्टर १६ ए Plot No.25, Sector 16A,
नोएडा - २०१ ३०१ उ प्र Noida-201301 (U.P.)
भारत INDIA

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भारत INDIA



**AMENDMENT ON TECHNICAL SPECIFICATION FOR HYDROGEN GENERATION PLANT
2X 800 MW NTPC GADARWARA STPP STAGE-I**

SPECIFICATION NO.: PE-TS-394-168-A001

AMENDMENT NO # 1

REV. NO. 00

DATE: 06/07/2015

Page 1 of 1

The following modifications with respect to Technical Specification for Hydrogen Generation Plant BHEL's Technical specification no **PE-TS-394-168-A001** shall apply. Bidder to note that existing clauses/details as appearing in the specification stands deleted and clauses/details as mentioned in "Modified to or Read as" column shall be applicable and complied by the bidder.

MODIFIED CLAUSES/PAGE NUMBERS.

Sl no.	Vol. No.	Section/ Description	Clause no	Page no	Existing clause/details	Modified to or Read as
1.	IIB	SECTION-C1	N.A	82-86 OF 402	List of Sub-vendor.	The referred clause shall be read as deleted. Please refer to Annexure-1 for Sub-Vendor List

	ANNEXURE-1			
	PROJECT : 2X 800 MW NTPC GADWARA STPP STAGE-I			
	PACKAGE : HYDROGEN GENERATION PLANT			
	MAIN CONTRACTOR : BHEL			
	SUB-VENDOR LIST			
SR No.	Items	Approved Vendor	Place / Location	Remarks
1	Hydrogen gas generator with purification system	Approved Main supplier own make		
2	Hydrogen Compressor with Motor	PPI	USA	
		PDC Machines INC.	USA	
		Burton Corblin	U.K	
		Gardner Denver	USA	
		Beijing Yitong Huizhi Co., Ltd.	China	
		Seybert & Rahier	Germany	
3	Combustible Gas Detector	MSA INDIA	Kolkatta	
			USA	
		Sierra Monitor		
		Unifoss	Gujrat	
4	O2 Percent, O2 PPM andDEW Point Analyser	Teledyne	USA	
		GE Sensing	Ireland	
5	Conductivity Meter	Hach (GLI International)		
		Emmerson		
		Honeywell		
		AIC Controls		
6	Hygrometer	GE Sensing		
		Miechel Instruments		
7	Portable H2 purity Analyser	Teledyne	USA	
		GE Sensing	Ireland	
8	Vacuum pump	Acmevac Sales Pvt. Ltd	Mumbai	
		DICON Products	Chennai	
		Joyam Engg.	Ahmedabad	
9	Hydrogen Dryer	Mellcon ENGS	Delhi	
		Jindal Elect	Rourkee.	
10	Cylinder test station	Indian compressors Limited	Delhi	
		Eastern Electrolyser	Noida	
		Airox Nigen	Ahemdabad	
11	N2 / H2 Cylinders	BPCL	Allahabad	
		Maruti kotasu	Aurangabad	
		Everst Kanto	Halol	
12	Zenner Barrier	MTL Barrier		
		P & F		

	ANNEXURE-1			
	PROJECT : 2X 800 MW NTPC GADERWARA STPP STAGE-I			
	PACKAGE : HYDROGEN GENERATION PLANT			
	MAIN CONTRACTOR : BHEL			
	SUB-VENDOR LIST			
SR No.	Items	Approved Vendor	Place / Location	Remarks
13	Air Compressor	Ingersoll Rand	Ahmedabad	
		K.G.Khosla /KPC	Faridabad / Pune	
14	Strainers (Y-Type & Basket Type)	MULTITEX FILTRATION ENGINEERS LIMITED,	Noida	
		Sarojini Enterprises	Kolkata	
		Otoklin Filters	Mumbai	
		BHATIA ENGINEERING CO.	Delhi	
		JAYPEE INDUSTRIES PVT. LTD.	Delhi	
		FILTRATION ENGINEERS (I) PVT. LTD.	MUMBAI	
		OTOKLIN GLOBAL BUSINESS LIMITED	Mumbai	
		SUNGOV ENGINEERING PVT. LTD.	Delhi	
		Grand Prix	Faridabad	
		M.S. Fittings	Kolkata	
15	Fittings	Metal Iloyds	Mumbai	
		True Forge	Faridabad	
		Tube Products	Baroda	
		NL Hazra	Kolkata	
		Gujrat Infra Pipes	Baroda	
		Edwards	USA	
		Pipefit Engineers	Baroda	
		Siddarth & Gautam	Faridabad	
		EBY	Mumbai	
		SAIL	Rourkela	
16	MS/GI ERW Pipes	Jindal	Ghazibad/Hissar	
		Surya Roshni	Bahadur Garh	
		TATA Tube	Jamshedpur	
		PSL	Chennai/Vizag/Kutch/Daman	
		Lalit Profile	Thane	
		Samshi Pipes Industries	Vadodara	
		Mukut Pipes	Rajpura	
		Indus Tubes	G B Nagar	
		Mann Ind	Indore	
		Surendra Engg	Rajpura	
		Pratibha Pipes & Structure Pvt Ltd	Thane	
		JCO Gas Pipe	Chindwara	
		Nukat Tanks and Vessels	Tarapur	
		DADU Pipes	Sikandrabad	
		Good Luck Tubes	Sikandrabad	
		Advance Steel Tubes	Sahibabad	
		Bihar Tubes	Sikandrabad	
		Hi Tech Pipes	Sikandrabad	
		Ratnamani	Kutch /Ahmedabad/Chhatral	
		Maharashtra Seamless	Raigad	
		Welspun	Anjar/Bharuch	
17	Seamless Pipes	ISMT	Ahmednagar/Baramati	
		Maharashtra Seamless	Raigad	
18	S.S. Pipes	REMI	Mumbai	
		Ratmani	Ahmedabad	
		Apex Tubes	Behror	
		Choksi	Ahmedabad	

	ANNEXURE-1			
	PROJECT : 2X 800 MW NTPC GADERWARA STPP STAGE-I			
	PACKAGE : HYDROGEN GENERATION PLANT			
	MAIN CONTRACTOR : BHEL			
	SUB-VENDOR LIST			
SR No.	Items	Approved Vendor	Place / Location	Remarks
19	S.S. Tubes	Swagelok	USA	
		Parker	USA	
20	CI Gate/ Globe/NRV/SRV	H.Sarkar	Howrah	
		A.V. VALVES LTD	Agra	
		Leader	Jalandhar	
		SURYA VALVES AND INSTRUMENTS MFG CO.	Chennai	
		ATAM VALVES PVT. LTD.	JALANDHAR	
		FLUIDLINE VALVES COMPANY PVT.LTD.	Mumbai	
		G.M. DALUI AND SONS PVT.LTD.	Howrah	
		KBL	Kondhapuri	
		Bankim	Kolkata	
		VENUS PUMPS AND ENGG. WORKS	Kolkata	
21	SS Valves	Compair Systems	Canada	
		Hanslet	Canada	
		BDK	Kolkata	
22	Solenoid Valve	Rotex	Baroda	
		Avcon	Mumbai	
		Asco	Chennai	
		SMC	Noida	
		Nucon	Hyderabad	
23	PLC Based Panels	SIEMENS	Nasik	
		SCHNEIDER	Nasik	
		ROCKWELL	Sahibabad	
		GE Intelligent Platform	BANGALORE	
		Honeywell Automation India Limited ,	Pune	
		ABB	Bangalore	
24	Battery (Ni Cd for PLC)	Amco saft	Bangalore	
		HBL Power System	Hyderabad	
		SAFT	France/Sweden	

	ANNEXURE-1			
	PROJECT : 2X 800 MW NTPC GADERWARA STPP STAGE-I			
	PACKAGE : HYDROGEN GENERATION PLANT			
	MAIN CONTRACTOR : BHEL			
	SUB-VENDOR LIST			
SR No.	Items	Approved Vendor	Place / Location	Remarks
25	Siren	Kheraj	-	
		FPS Vendor approved suppliers		
26	Motor (Non Flame Proof)	Marathon,	kolkata	
		Crompton Greaves	Ahmednagar	
		NGEF	Bangalore	
		ABB	Bangalore/Faridabad	
		Siemens	Mumbai	
		Jyoti	Baroda	
		LHP	Solapur	
		BHEL	Bhopal	
		Bharat Electric (BHEL)		
		Bharat Bijlee	Mumbai	
27	Motor (Non Flame Proof)	KEC	Bangalore/Hubli	
		Kirloskar	Hubli	
		Crompton Greaves	Ahmednagar	
		Marathon	USA	
		Bharat Bijli	Mumbai	
		ABB		
		EXIDE	Kolkata	
28	Battery (maintenance free for PLC/ Fire Alarm Panel)	HBL Power System	Hyderabad	
		AMAR RAJA	Tirupati	
		Gluck (I) Manufacturing Co	Mumbai,	
29	Pressure Gauge/DP Gauge	H Guru	Rishra/Muzaffarpur/Bangalore	
		AN Instruments	Kolkata	
		ASHCROFT INDIA PVT LTD.	GIDC Chhatral Kalol	
		FORBES MARSHALL (HYD) LTD.	HYDERABAD	
		GAUGE BOURDON INDIA PVT. LTD.	Mumbai,	
		H.GURU INSTRUMENTS (SOUTH INDIA) P. LTD	BANGALORE	
		WIKA	Pune	
		Manometer India	Mumbai,	
		Baumer Technologies India Pvt. Ltd.	VAPI	
		GIC(Gauges Bourdon)	Parvel	
30	Pressure/DP/Vacuum Switch	Indfoss	Ghaziabad	
		SOR	USA	
		Dressor	USA	
		Delta control	UK	
		Trafag	Ranipet	
		GIC(Gauges Bourdon)	Parvel	
		ASHCROFT INDIA PVT LTD.	USA/GERMANY	
		Switzer	Chennai	
31	Level Switch (Float/Displacer)	DK Instruments	Kolkata	
		Levcon	Kolkata	
		Sigma	Mumbai	
		V-Automat	New Delhi	
		SBEM	Pune	
		Flow Star	Faridabad	
32	Level Indicator	Flow Star	Faridabad	
		Scientific Devices	Mumbai	
		Gauges Bourden	Parvel	
		SBEM	Pune	
		Pune Techtrol	Pune	
		Levcon	Kolkata	
		Sigma	Mumbai	
		V-Automat	New Delhi	
		DK Instruments	Kolkata	
33	OWS/PC	HP/Compaq /Dell/HCL/IBM/Lenovo	-	

	ANNEXURE-1			
	PROJECT : 2X 800 MW NTPC GADERWARA STPP STAGE-I			
	PACKAGE : HYDROGEN GENERATION PLANT			
	MAIN CONTRACTOR : BHEL			
	SUB-VENDOR LIST			
SR No.	Items	Approved Vendor	Place / Location	Remarks
34	Printer	HP/Cannon/Epson/Xeror/IBM/Le xmark	.	
35	UPS	HITACHI-HIREL	Gandhinagar	
		APC	Bangalore	
		Delta	Gurgaon	
		Emerson	Mumbai	
		DB Power	Pune	
		Aplab	Mumbai	
36	LT Switch Gear	ABB India Limited	GUJARAT	
		C and S ELECTRIC LTD.	NEW DELHI	
		CONTROLS and SCHEMATICS LTD.	HYDERABAD	
		GE INDIA INDUSTRIAL PVT.LTD.	BANGALORE	
		KMG ATOZ SYSTEMS PVT.LTD	NEW DELHI	
		LARSEN and TOUBRO LTD.	MUMBAI	
		SCHNEIDER ELECTRIC INDIA PVT. LTD.	DELHI-DELHI	
		SPACEAGE SWITCHGEARS LTD.	HARYANA	
		TRICOLITE ELECTRICAL INDUSTRIES LTD	NEW DELHI	
37	Control / Power Cable	Cords Cable	Bhiwadi	
		Radiant Cables	Hyderabad	
		PolyCab	Daman	
		KEI	Bhiwadi	
		Nicco	Kolkata	
		Ravin Cables	Pune	
		Incab	Pune	
		HVPL	Faridabad	
		Torrent cable	Nadiad	
		Havells	Alwar	
		Paramount	Khushkhhera	
		SRI Ram Cables	Bhiwadi	
		Thermocables	Hyderabad	
		Torrent cable	Nadiad	
		Universal Cables	SATNA	
		Gemscab	Bhiwadi	
		Chloride Power	Kolkata	
		Delton	Faridabad	

	ANNEXURE-1			
	PROJECT : 2X 800 MW NTPC GADERWARA STPP STAGE-I			
	PACKAGE : HYDROGEN GENERATION PLANT			
	MAIN CONTRACTOR : BHEL			
	SUB-VENDOR LIST			
SR No.	Items	Approved Vendor	Place / Location	Remarks
38	Instrument Cable	Delton	Faridabad	
		Paramount	Khushkhera	
		PolyCab	Daman	
		Elkay Telelinks	Delhi	
		Cords	Bhiwadi	
		Universal Cables	SATNA	
39	Cable	AM-TECH ENGG.SERVICES	PUNE	
		INDUSTRIAL PERFORATION (I) PVT.LTD.	KOLKATA	
		INDMARK FORMTECH PVT. LTD.	PUNE	
		PREMIER POWER PRODUCTS (CAL) PVT. LTD.	Kolkata	
		RATAN PROJECTS & ENGINEERING CO. PVT.LTD.	Kolkata	
		STEELITE ENGINEERING LTD.	Mumbai	
40	Battery Charger for PLC			
		Chabbi	Jalgaon	
		AMAR RAJA	Tirupati	
		Statcon	Noida	
		HBL Power System	Hyderabad	
		Dubas	Bangalore	
41	CABLE TRAYS & ACC.	Caldyne	Kolkata	
		EROS METAL WORKS (P) LTD.	Nagpur	
		INDUSTRIAL PERFORATION (I) PVT.LTD.	Kolkata	
		INDIANA GRATINGS PVT. LTD.	Mumbai	
		INDIA ELECTRICALS SYNDICATE	Kolkata	
		INDMARK FORMTECH PVT. LTD.	Pune	
		JAMNA METAL COMPANY	Delhi	
		Maheshwari Electrical Mfrs. Pvt. Ltd.,	U.P	
		NAMDHARI INDUSTRIAL TRADERS PVT. LTD	Punjab	
		PREMIER POWER PRODUCTS (CAL) PVT. LTD.	Kolkata	
		PATNY SYSTEMS (P) LTD	SECUNDRABAD	
		PARMAR METALS PVT.LTD.	GUJARAT	
		PASSIVE INFRA PROJECTS PVT. LTD.	Delhi	
		PENTAX FERRO INCORPORATE	Mumbai	
		RUKMANI ELECTRICAL & COMPONENTS PVT LTD	Kolkata	
		RATAN PROJECTS & ENGINEERING CO. PVT.LTD.	Kolkata	
		RABI ENGINEERING WORKS PVT. LTD.	Kolkata	
		SARAL INDUSTRIES	Rae Bareli	
		UNITECH FABRICATORS and ENGINEERS PVT LTD	Kolkata	
		VINFAB ENGINEERS INDIA PVT. LTD.	Mumbai	
42	Cable Glands	Sunil & Co.	Kolkata	
		QPIE	Kolkata	
		Arup Engineering	Kolkata	
		Commet	Mumbai	
43	Lugs	Dowell	Mumbai	
		Chetna	Nasik	
		3D	Umargaon	
44	Lighting Panel (Wall mounted)	Positronics	Baroda	
		Pyrotech	Udaipur	
45	Luminaries & Lamps	CGL	Mumbai	
		Bajaj	Mumbai	
		Philips	Kolkata	

	ANNEXURE-1			
	PROJECT : 2X 800 MW NTPC GADERWARA STPP STAGE-I			
	PACKAGE : HYDROGEN GENERATION PLANT			
	MAIN CONTRACTOR : BHEL			
	SUB-VENDOR LIST			
SR No.	Items	Approved Vendor	Place / Location	Remarks
46	Flame proof lighting fixtures, JB, PB	Baliga	Chennai	
		Ajmera	Mumbai	
		Flexpro	Navsari	
47	Pressure Transmitter	Emerson	USA/Pawane	
		Laxons Automation	Daman	
		YIL	Bangalore	
		Siemens	Thane	
		Fuji	China	
		Yokogawa	Japan	
		Honeywell	USA/Pune	
48	LEVEL TRANSMITTERS	EMERSON		
		E & H		
		ABB		
		HONEYWELL		
		V AUTOMAT		
		YOKOGAWA		
		SIEMENS		
		KROHNE MARSHALL		
49	FLOW TRANSMITTERS	E & H		
		KHRONE MARSHALL		
		EMERSON		
		ABB		
		HONEYWELL		
		YOKOGAWA		
50	ROTAMETER	SWITZER		
		EUREKA		
		INSTRUMENT ENGINEERS		
		TRAC		
51	TEMPERATURE TRANSMITTERS	EMERSON		
		E & H		
		ABB		
		HONEYWELL		
		V AUTOMAT		
		YOKOGAWA		
		SIEMENS		
		FORBES MARSHALL		
52	TEMPERATURE GAUGE	GENERAL INSTRUMENTS		
		WAAREE (BAUMER INSTRUMENTS)		
		H.GURU INSTRUMENTS		
		A.N.INSTRUMENTS		
		SWITZER		

	ANNEXURE-1			बी एच डी एल 
	PROJECT : 2X 800 MW NTPC GADERWARA STPP STAGE-I			
	PACKAGE : HYDROGEN GENERATION PLANT			
	MAIN CONTRACTOR : BHEL			
	SUB-VENDOR LIST			
SR No.	Items	Approved Vendor	Place / Location	Remarks
		FORBES MARSHALL		
53	INSTRUMENT FITTINGS	AURA INCORPORATED	NEW DELHI	
		Astec Valves & Fittings Pvt. Ltd.,	Mumbai	
		Arya Crafts & Engineering Pvt. Ltd.	Mumbai	
		Comfit & Valve Pvt. Ltd.	Gujarat	
		FLUIDFIT ENGINEERS PVT. LTD.	Mumbai	
		Fluid Controls Pvt. Ltd.	Mumbai	
		HP VALVES & FITTINGS INDIA PVT. LTD.	CHENNAI	
		PRECISION ENGINEERING INDUSTRIES	Mumbai	
		Panam Engineers,	Mumbai	
		Perfect Instrumentation Control (India) Pvt. Ltd.	Mumbai	
		VIKAS INDUSTRIAL PRODUCTS	NOIDA	
		54	Flow Switch	Switzer
Indfoss	Ghaziabad			
55	Safety Barrier	MTL Barrier		
		P & F		
56	DM Water & KOH	Sintex	Kalol	
		Newgen Speciality Plastics Ltd	Greater Noida	
		Rolta	India	
57	Air Conditioner	Carrier		
		LG		
		HITACHI		
		BLUE STAR		
58	Ventilation Fans	Marathon Electric		
		Khatan		
		ABB		
		Bajaj		
		Alstom		
59	Paint (common items)	Shalimar		
		ICI		
		Asian		
		Berger		
Notes				
Note:- All the finally selected sub vendors shall be subject to customer approval during detailed engineering without any delivery/commercial implications to BHEL.				



**AMENDMENT ON TECHNICAL SPECIFICATION FOR HYDROGEN GENERATION PLANT
4X250 MW, NABINAGAR THERMAL POWER TPP**

SPECIFICATION NO.: PE-TS-300-168-A000

AMENDMENT NO # 1

REV. NO. 00

DATE: 06/07/2015

Page 1 of 1

The following modifications with respect to Technical Specification for Hydrogen Generation Plant BHEL's Technical specification no **PE-TS-300-168-A000** shall apply. Bidder to note that existing clauses/details as appearing in the specification stands deleted and clauses/details as mentioned in "Modified to or Read as" column shall be applicable and complied by the bidder.

MODIFIED CLAUSES/PAGE NUMBERS.

Sl no.	Vol. No.	Section/ Description	Clause no	Page no	Existing clause/details	Modified to or Read as
1.	IIB	SECTION-C1	N.A	41-44 OF 296	List of Sub-vendor.	The referred clause shall be read as deleted. Please refer to Annexure-1 for Sub-Vendor List

	ANNEXURE-1			बि.र.उ.स.एम
	PROJECT :4X250 MW, NABINAGAR THERMAL POWER TPP			
	PACKAGE : HYDROGEN GENERATION PLANT			
	MAIN CONTRACTOR : BHEL			
	SUB-VENDOR LIST			
SR No.	Items	Approved Vendor	Place / Location	Remarks
1	Hydrogen gas generator with purification system	Approved Main supplier own make		
2	Hydrogen Compressor with Motor	PPI	USA	
		PDC Machines INC.	USA	
		Burton Corblin	U.K	
		Gardner Denver	USA	
		Beijing Yitong Huizhi Co., Ltd.	China	
		Seybert & Rahier	Germany	
3	Combustible Gas Detector	MSA INDIA	Kolkatta	
		Sierra Monitor	USA	
		Unifoss	Gujrat	
4	O2 Percent, O2 PPM andDEW Point Analyser	Teledyne	USA	
		GE Sensing	Ireland	
5	Conductivity Meter	Hach (GLI International)		
		Emmerson		
		Honeywell		
		AIC Controls		
6	Hygrometer	GE Sensing		
		Miechel Instruments		
7	Portable H2 purity Analyser	Teledyne	USA	
		GE Sensing	Ireland	
8	Vacuum pump	Acmevac Sales Pvt. Ltd	Mumbai	
		DICON Products	Chennai	
		Joyam Engg.	Ahmedabad	
9	Hydrogen Dryer	Mellicon ENGS	Delhi	
		Jindal Elect	Rourkee.	
10	Cylinder test station	Indian compressors Limited	Delhi	
		Eastern Electrolyser	Noida	
		Airox Nigen	Ahemdabad	
11	N2 / H2 Cylinders	BPCL	Allahabad	
		Maruti kotasu	Aurangabad	
		Everst Kanto	Halol	
12	Zenner Barrier	MTL Barrier		
		P & F		

	ANNEXURE-1			
	PROJECT :4X250 MW, NABINAGAR THERMAL POWER TPP			
	PACKAGE : HYDROGEN GENERATION PLANT			
	MAIN CONTRACTOR : BHEL			
	SUB-VENDOR LIST			
SR No.	Items	Approved Vendor	Place / Location	Remarks
13	Air Compressor	Ingersoll Rand	Ahmedabad	
		K.G.Khosla /KPC	Faridabad / Pune	
14	Strainers (Y-Type & Basket Type)	MULTITEX FILTRATION ENGINEERS LIMITED,	Noida	
		Sarojini Enterprises	Kolkata	
		Otoklin Filters	Mumbai	
		BHATIA ENGINEERING CO.	Delhi	
		JAYPEE INDUSTRIES PVT. LTD.	Delhi	
		FILTRATION ENGINEERS (I) PVT. LTD.	MUMBAI	
		OTOKLIN GLOBAL BUSINESS LIMITED	Mumbai	
		SUNGOV ENGINEERING PVT. LTD.	Delhi	
		Grand Prix	Faridabad	
		M.S. Fittings	Kolkata	
15	Fittings	Metal Iloyds	Mumbai	
		True Forge	Faridabad	
		Tube Products	Baroda	
		NL Hazra	Kolkata	
		Gujrat Infra Pipes	Baroda	
		Edwards	USA	
		Pipefit Engineers	Baroda	
		Siddarth & Gautam	Faridabad	
		EBY	Mumbai	
		SAIL	Rourkela	
16	MS/GI ERW Pipes	Jindal	Ghazibad/Hissar	
		Surya Roshni	Bahadur Garh	
		TATA Tube	Jamshedpur	
		PSL	Chennai/Vizag/Kutch/Daman	
		Lalit Profile	Thane	
		Samshi Pipes Industries	Vadodara	
		Mukut Pipes	Rajpura	
		Indus Tubes	G B Nagar	
		Mann Ind	Indore	
		Surendra Engg	Rajpura	
		Pratibha Pipes & Structure Pvt Ltd	Thane	
		JCO Gas Pipe	Chindwara	
		Nukat Tanks and Vessels	Tarapur	
		DADU Pipes	Sikandrabad	
		Good Luck Tubes	Sikandrabad	
		Advance Steel Tubes	Sahibabad	
		Bihar Tubes	Sikandrabad	
		Hi Tech Pipes	Sikandrabad	
		Ratnamani	Kutch /Ahmedabad/Chhattral	
		Maharashtra Seamless	Raigad	
		Welspun	Anjar/Bharuch	
17	Seamless Pipes	ISMT	Ahmednagar/Baramati	
		Maharashtra Seamless	Raigad	
18	S.S. Pipes	REMI	Mumbai	
		Ratmani	Ahmedabad	
		Apex Tubes	Behror	
		Choksi	Ahmedabad	

	ANNEXURE-1			
	PROJECT :4X250 MW, NABINAGAR THERMAL POWER TPP			
	PACKAGE : HYDROGEN GENERATION PLANT			
	MAIN CONTRACTOR : BHEL			
	SUB-VENDOR LIST			
SR No.	Items	Approved Vendor	Place / Location	Remarks
19	S.S. Tubes	Swagelok	USA	
		Parker	USA	
20	CI Gate/ Globe/NRV/SRV	H.Sarkar	Howrah	
		A.V. VALVES LTD	Agra	
		Leader	Jalandhar	
		SURYA VALVES AND INSTRUMENTS MFG CO.	Chennai	
		ATAM VALVES PVT. LTD.	JALANDHAR	
		FLUIDLINE VALVES COMPANY PVT.LTD.	Mumbai	
		G.M. DALUI AND SONS PVT.LTD.	Howrah	
		KBL	Kondhapuri	
		Bankim	Kolkata	
		VENUS PUMPS AND ENGG. WORKS	Kolkata	
21	SS Valves	Compair Systems	Canada	
		Hanslet	Canada	
		BDK	Kolkata	
22	Solenoid Valve	Rotex	Baroda	
		Avcon	Mumbai	
		Asco	Chennai	
		SMC	Noida	
		Nucon	Hyderabad	
23	PLC Based Panels	SIEMENS	Nasik	
		SCHNEIDER	Nasik	
		ROCKWELL	Sahibabad	
		GE Intelligent Platform	BANGALORE	
		Honeywell Automation India Limited ,	Pune	
		ABB	Bangalore	
24	Battery (Ni Cd for PLC)	Amco saft	Bangalore	
		HBL Power System	Hyderabad	
		SAFT	France/Sweden	

	ANNEXURE-1			बी एच ई 
	PROJECT :4X250 MW, NABINAGAR THERMAL POWER TPP			
	PACKAGE : HYDROGEN GENERATION PLANT			
	MAIN CONTRACTOR : BHEL			
	SUB-VENDOR LIST			
SR No.	Items	Approved Vendor	Place / Location	Remarks
25	Siren	Kheraj	-	
		FPS Vendor approved suppliers		
26	Motor (Non Flame Proof)	Marathon,	kolkata	
		Crompton Greaves	Ahmednagar	
		NGEF	Bangalore	
		ABB	Bangalore/Faridabad	
		Siemens	Mumbai	
		Jyoti	Baroda	
		LHP	Solapur	
		BHEL	Bhopal	
		Bharat Electric (BHEL)		
		Bharat Bijlee	Mumbai	
27	Motor (Non Flame Proof)	KEC	Bangalore/Hubli	
		Kirloskar	Hubli	
		Crompton Greaves	Ahmednagar	
		Marathon	USA	
		Bharat Bijli	Mumbai	
		ABB		
28	Battery (maintenance free for PLC/ Fire Alarm Panel)	EXIDE	Kolkata	
		HBL Power System	Hyderabad	
		AMAR RAJA	Tirupati	
29	Pressure Gauge/DP Gauge	Gluck (I) Manufacturing Co	Mumbai,	
		H Guru	Rishra/Muzaffarpur/Bangalore	
		AN Instruments	Kolkata	
		ASHCROFT INDIA PVT LTD.	GIDC Chhatral Kalol	
		FORBES MARSHALL (HYD) LTD.	HYDERABAD	
		GAUGE BOURDON INDIA PVT. LTD.	Mumbai,	
		H.GURU INSTRUMENTS (SOUTH INDIA) P. LTD	BANGALORE	
		WIKA	Pune	
		Manometer India	Mumbai,	
		Baumer Technologies India Pvt. Ltd.	VAPI	
		GIC(Gauges Bourdon)	Parvel	
		30	Pressure/DP/Vacuum Switch	Indfoss
SOR	USA			
Dressor	USA			
Delta control	UK			
Trafag	Ranipet			
GIC(Gauges Bourdon)	Parvel			
ASHCROFT INDIA PVT LTD.	USA/GERMANY			
Switzer	Chennai			
31	Level Switch (Float/Displacer)	DK Instruments	Kolkata	
		Levcon	Kolkata	
		Sigma	Mumbai	
		V-Automat	New Delhi	
		SBEM	Pune	
		Flow Star	Faridabad	
32	Level Indicator	Flow Star	Faridabad	
		Scientific Devices	Mumbai	
		Gauges Bourden	Parvel	
		SBEM	Pune	
		Pune Techtrol	Pune	
		Levcon	Kolkata	
		Sigma	Mumbai	
		V-Automat	New Delhi	
33	OWS/PC	HP/Compaq /Dell/HCL/IBM/Lenovo	-	

	ANNEXURE-1			बीएसडीएम 
	PROJECT :4X250 MW, NABINAGAR THERMAL POWER TPP			
	PACKAGE : HYDROGEN GENERATION PLANT			
	MAIN CONTRACTOR : BHEL			
	SUB-VENDOR LIST			
SR No.	Items	Approved Vendor	Place / Location	Remarks
34	Printer	HP/Cannon/Epson/Xeror/IBM/Le xmark	.	
35	UPS	HITACHI-HIREL	Gandhinagar	
		APC	Bangalore	
		Delta	Gurgaon	
		Emerson	Mumbai	
		DB Power	Pune	
		Aplab	Mumbai	
36	LT Switch Gear	ABB India Limited	GUJARAT	
		C and S ELECTRIC LTD.	NEW DELHI	
		CONTROLS and SCHEMATICS LTD.	HYDERABAD	
		GE INDIA INDUSTRIAL PVT.LTD.	BANGALORE	
		KMG ATOZ SYSTEMS PVT.LTD	NEW DELHI	
		LARSEN and TOUBRO LTD.	MUMBAI	
		SCHNEIDER ELECTRIC INDIA PVT. LTD.	DELHI-DELHI	
		SPACEAGE SWITCHGEARS LTD.	HARYANA	
		TRICOLITE ELECTRICAL INDUSTRIES LTD	NEW DELHI	
37	Control / Power Cable	Cords Cable	Bhiwadi	
		Radiant Cables	Hyderabad	
		PolyCab	Daman	
		KEI	Bhiwadi	
		Nicco	Kolkata	
		Ravin Cables	Pune	
		Incab	Pune	
		HVPL	Faridabad	
		Torrent cable	Nadiad	
		Havells	Alwar	
		Paramount	Khushkhhera	
		SRI Ram Cables	Bhiwadi	
		Thermocables	Hyderabad	
		Torrent cable	Nadiad	
		Universal Cables	SATNA	
		Gemscab	Bhiwadi	
		Chloride Power	Kolkata	
		Delton	Faridabad	

	ANNEXURE-1			बीएसएल 
	PROJECT :4X250 MW, NABINAGAR THERMAL POWER TPP			
	PACKAGE : HYDROGEN GENERATION PLANT			
	MAIN CONTRACTOR : BHEL			
	SUB-VENDOR LIST			
SR No.	Items	Approved Vendor	Place / Location	Remarks
38	Instrument Cable	Delton	Faridabad	
		Paramount	Khushkhera	
		PolyCab	Daman	
		Elkay Telelinks	Delhi	
		Cords	Bhiwadi	
		Universal Cables	SATNA	
39	Cable	AM-TECH ENGG.SERVICES	PUNE	
		INDUSTRIAL PERFORATION (I) PVT.LTD.	KOLKATA	
		INDMARK FORMTECH PVT. LTD.	PUNE	
		PREMIER POWER PRODUCTS (CAL) PVT. LTD.	Kolkata	
		RATAN PROJECTS & ENGINEERING CO. PVT.LTD.	Kolkata	
		STEELITE ENGINEERING LTD.	Mumbai	
40	Battery Charger for PLC			
		Chabbi	Jalgaon	
		AMAR RAJA	Tirupati	
		Statcon	Noida	
		HL Power System	Hyderabad	
		Dubas	Bangalore	
		Caldyne	Kolkata	
41	CABLE TRAYS & ACC.	EROS METAL WORKS (P) LTD.	Nagpur	
		INDUSTRIAL PERFORATION (I) PVT.LTD.	Kolkata	
		INDIANA GRATINGS PVT. LTD.	Mumbai	
		INDIA ELECTRICALS SYNDICATE	Kolkata	
		INDMARK FORMTECH PVT. LTD.	Pune	
		JAMNA METAL COMPANY	Delhi	
		Maheshwari Electrical Mfrs. Pvt. Ltd.,	U.P	
		NAMDHARI INDUSTRIAL TRADERS PVT. LTD	Punjab	
		PREMIER POWER PRODUCTS (CAL) PVT. LTD.	Kolkata	
		PATNY SYSTEMS (P) LTD	SECUNDRABAD	
		PARMAR METALS PVT.LTD.	GUJARAT	
		PASSIVE INFRA PROJECTS PVT. LTD.	Delhi	
		PENTAX FERRO INCORPORATE	Mumbai	
		RUKMANI ELECTRICAL & COMPONENTS PVT LTD	Kolkata	
		RATAN PROJECTS & ENGINEERING CO. PVT.LTD.	Kolkata	
		RABI ENGINEERING WORKS PVT. LTD.	Kolkata	
		SARAL INDUSTRIES	Rae Bareli	
		UNITECH FABRICATORS and ENGINEERS PVT LTD	Kolkata	
		VINFAB ENGINEERS INDIA PVT. LTD.	Mumbai	
42	Cable Glands	Sunil & Co.	Kolkata	
		QPIE	Kolkata	
		Arup Engineering	Kolkata	
		Commet	Mumbai	
43	Lugs	Dowell	Mumbai	
		Chetna	Nasik	
		3D	Umargaon	
44	Lighting Panel (Wall mounted)	Positronics	Baroda	
		Pyrotech	Udaipur	
45	Luminaries & Lamps	CGL	Mumbai	
		Bajaj	Mumbai	
		Philips	Kolkata	

	ANNEXURE-1			
	PROJECT :4X250 MW, NABINAGAR THERMAL POWER TPP			
	PACKAGE : HYDROGEN GENERATION PLANT			
	MAIN CONTRACTOR : BHEL			
	SUB-VENDOR LIST			
SR No.	Items	Approved Vendor	Place / Location	Remarks
46	Flame proof lighting fixtures, JB, PB	Baliga	Chennai	
		Ajmera	Mumbai	
		Flexpro	Navsari	
47	Pressure Transmitter	Emerson	USA/Pawane	
		Laxons Automation	Daman	
		YIL	Bangalore	
		Siemens	Thane	
		Fuji	China	
		Yokogawa	Japan	
		Honeywell	USA/Pune	
48	LEVEL TRANSMITTERS	EMERSON		
		E & H		
		ABB		
		HONEYWELL		
		V AUTOMAT		
		YOKOGAWA		
		SIEMENS		
		KROHNE MARSHALL		
49	FLOW TRANSMITTERS	E & H		
		KHRONE MARSHALL		
		EMERSON		
		ABB		
		HONEYWELL		
		YOKOGAWA		
50	ROTAMETER	SWITZER		
		EUREKA		
		INSTRUMENT ENGINEERS		
		TRAC		
51	TEMPERATURE TRANSMITTERS	EMERSON		
		E & H		
		ABB		
		HONEYWELL		
		V AUTOMAT		
		YOKOGAWA		
		SIEMENS		
		FORBES MARSHALL		
52	TEMPERATURE GAUGE	GENERAL INSTRUMENTS		
		WAAREE (BAUMER INSTRUMENTS)		
		H.GURU INSTRUMENTS		
		A.N.INSTRUMENTS		
		SWITZER		

	ANNEXURE-1			बीएसडीएम 
	PROJECT :4X250 MW, NABINAGAR THERMAL POWER TPP			
	PACKAGE : HYDROGEN GENERATION PLANT			
	MAIN CONTRACTOR : BHEL			
	SUB-VENDOR LIST			
SR No.	Items	Approved Vendor	Place / Location	Remarks
		FORBES MARSHALL		
53	INSTRUMENT FITTINGS	AURA INCORPORATED	NEW DELHI	
		Astec Valves & Fittings Pvt. Ltd.,	Mumbai	
		Arya Crafts & Engineering Pvt. Ltd.	Mumbai	
		Comfit & Valve Pvt. Ltd.	Gujarat	
		FLUIDFIT ENGINEERS PVT. LTD.	Mumbai	
		Fluid Controls Pvt. Ltd.	Mumbai	
		HP VALVES & FITTINGS INDIA PVT. LTD.	CHENNAI	
		PRECISION ENGINEERING INDUSTRIES	Mumbai	
		Panam Engineers,	Mumbai	
		Perfect Instrumentation Control (India) Pvt. Ltd.	Mumbai	
		VIKAS INDUSTRIAL PRODUCTS	NOIDA	
54	Flow Switch	Switzer	Chennai	
		Indfoss	Ghaziabad	
55	Safety Barrier	MTL Barrier		
		P & F		
56	DM Water & KOH	Sintex	Kalol	
		Newgen Speciality Plastics Ltd	Greater Noida	
		Rolta	India	
57	Air Conditioner	Carrier		
		LG		
		HITACHI		
		BLUE STAR		
58	Ventilation Fans	Marathon Electric		
		Khatan		
		ABB		
		Bajaj		
		Alstom		
59	Paint (common items)	Shalimar		
		ICI		
		Asian		
		Berger		
Notes				
Note:- All the finally selected sub vendors shall be subject to customer approval during detailed engineering without any delivery/commercial implications to BHEL.				