

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/MG1/E-4791/2015 /Corrigendum/05

Date: 08/JULY/2015

<b>DUE DATE</b>
<b>24-JULY-2015</b>
<b>BY 10.00 AM (IST)</b>

**Subject: Amendment No.: 01 to Technical Specification for tender of SEWAGE TREATMENT PLANT of 4X270 MW BHADRADRI TPS.**

Our Ref: TENDER ENQUIRY NO: **PE/PG/MG1/E-4791/2015** dated: **27.04.2015** OF **SEWAGE TREATMENT PLANT** of **4X270 MW BHADRADRI TPS** project.

With reference to the above enquiry, please find attached herewith Amendment No.: 01 to Technical Specification for tender of SEWAGE TREATMENT PLANT of 4X270 MW BHADRADRI TPS.

Kindly submit your offer/revised offer (if submitted) considering above before the due date & time.

Thanking You

With regards  
For & on behalf of BHEL

**Sharad Chandra**

Sr. ENGR. | PG II-2, BHEL PEM | Noida  
E-MAIL: sharadchandra@bhelpem.co.in  
Ph. No. +91-120-4363572; Mob: 9540432999

कृपया प्रेषित करे : Please reply to : फ़ोन Phone No:  
बीएचइएल, पीएस-पीइएम BHEL, PS-PEM, 91-120 – 436 8741  
पीपीइआई 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

पंजीकृत कार्यालय Registered Office :  
बीएचइएल हाउस BHEL House,  
सीरी फोर्ट Siri Fort,  
नयी दिल्ली – ११० ०४९ New Delhi-110049  
भारत INDIA



**AMENDMENT ON TECHNICAL SPECIFICATION FOR  
SEWAGE TREATMENT PLANT  
4X250 MW, BHADRADARI TPP**

SPECIFICATION NO.: PE-TS-411-673A-A001

AMENDMENT NO # 1

REV. NO. 00 DATE: 06/07/2015

Page 1 of 1

The following modifications with respect to Technical Specification for Sewage Treatment Plant BHEL's Technical specification no **PE-TS-411-673A-A001** shall apply.

Bidder to note that existing clauses/details as appearing in the specification from page no. 172 of 431 to 182 of 431 shall be replaced with Annexure I attached with this amendments.



TITLE

**4 X 270 MW BHADRADRI TPS  
TECHNICAL SPECIFICATION FOR  
SEWAGE TREATMENT PLANT**

SPECIFICATION NO.

PE-TS-411-673A-A001

VOLUME: II B

REV 00

SHEET 1 of 14

## ANNEXURE I

S.No.	ITEM	SUPPLIERS	PLACE	REMARKS
1	ATMOSPHERIC/ STORAGE TANKS	GLOBAL STRUCTURES & COMPOSITE LTD	-	
		JASMINO POLYMERTECH	TALOJA	
		SYSCON ENGINEERS	AMBERNATH	
		S.V. FABRICATORS	NAVI MUMBAI	
		SPARK FABRICATORS / STEELCON	-	
		ANUP ENGINEERING	AHMEDABAD	
		MURTHAL TANKS & VESSELS	SONEPAT	
		TITAN ENGG.	DURGAPUR	
		RISHI INDUSTRIES	BAHALGARH	
		UNIVERSAL HEAT EXCHANGERS	-	
		ATS CHEM	SALEM/HOSUR	
		CHEM PROCESS SYSTEM	SANAND	
		PROGEN	CHENNAI	
		CRYSTAL ENGINEERING	HOSUR	
ISHAN EQUIPMENTS	VADODARA			
2.	RUBBER LINING ( AT SHOP)	TEMSEC	KOLKATA	
		RISHI INDUSTRIES	SONEPAT	
		CORI ENGINEERS	CHENNAI	
		POLY RUBBER	MUMBAI	
		INDUSTRIAL LINING	VADODARA	
		ARUL RUBBERS	CHENNAI	
		JASMINO POLYMERTECH	TALOJA	
		WESTERN RUBBER	NAVI MUMBAI	
		ELASTOMER LINNING	AMBERNATH	
EMKAY RUBBER	MUMBAI			
3	ACTIVATED CARBON	INDUSTRIAL CARBON	ANKLESHWAR	
		VVD & SONS	TUTICORIN	
		GLOBAL ABSORBENT PVT LTD	KOLKATA	
		ACTIVE CARBON	-	
		WESTERN CHEMICALS	-	
4	AIR BLOWERS (TWIN LOBE TYPE)	SWAN PNEUMATIC	NOIDA	
		EVEREST TRANSMISSION	NEW DELHI	



TITLE

**4 X 270 MW BHADRADRI TPS  
TECHNICAL SPECIFICATION FOR  
SEWAGE TREATMENT PLANT**

SPECIFICATION NO.

PE-TS-411-673A-A001

VOLUME: II B

REV 00

SHEET 2 of 14

		KAY INTERNATIONAL	NEW DELHI / SONEPAT	
		EVEREST BLOWER	BAHADURGARH	
		KULKARNI POWER TOOLS	KOLHAPUR/ PUNE	
5	METERING PUMPS	VK PUMPS	NASIK	
		MILTON ROY INDIA	CHENNAI	
		SWELLORE	AHMEDABAD	
		POSITIVE METERING PUMPS	NASIK	
		METACHEM	MUMBAI	
6	AGITATOR	REMI PEOCESS PLANT & M/C	MUMBAI	
		FIBRE & FIBRE	MUMBAI / SILVASA	
		CEECONS	CHENNAI	
		STANDARD ENGINEERS	MUMBAI	
7	HORIZONTAL CENTRIFUGAL PUMPS	KIRLOSKAR BROTHERS LTD.	WADI	
		MATHER & PLATT	PUNE	
		KSB	PUNE	
		SAM TURBO IND LTD	COIMBATORE	
		KISHOR PUMPS	PUNE	
		SULZER	PUNE	
		WPIL	GHAZIABAD	
		FLOWMORE UNIT-I &II	SAHIBABAD	
		BEST & CROMPTON	CHENNAI	
8	SUBMERSIBLE PUMPS (SEWAGE APPLICATION)	GRUNDFOS		
		KISHORE PUMPS		
		DARLING PUMPS		
9	HORIZONTAL CENTRIFUGAL PUMPS (RUBBER LINED)	KISHOR PUMPS	PUNE	
		SU MOTORS	MUMBAI	
10	MANUAL CI GATE / GLOBE / CHECK VALVES/ SRV	H.SARKAR	HOWRAH	SIZE UPTO 300NB & PR.CL.
		A.V. VALVES LTD	AGRA	
		LEADER	JALANDHAR	



TITLE

**4 X 270 MW BHADRADRI TPS  
TECHNICAL SPECIFICATION FOR  
SEWAGE TREATMENT PLANT**

SPECIFICATION NO.

PE-TS-411-673A-A001

VOLUME: II B

REV 00

SHEET 3 of 14

		SURYA VALVES AND INSTRUMENTS MFG CO.	CHENNAI	FOR GV UPTO 450NB, GLV UPTO 300NB AND CHECK VALVES UPTO 350NB.
		ATAM VALVES PVT. LTD.	JALANDHAR	(1) CARBON IRON GATE VALVES: 65 NB TO 450 NB (UPTO PN-16.0) (2) CARBON IRON GLOBE VALVES & NON RETURN VALVES: 65 NB TO 150 NB (UPTO PN-16.0)
		FLUIDLINE VALVES COMPANY PVT.LTD.	MUMBAI	1. CI GATE-CL125 & UP TO 900 NB, 2. CI GLOBE-CL125 & UP TO 450 NB, 3. CI SCNRV-CL125 & UP TO 600 NB.
		G.M. DALUI AND SONS PVT.LTD.	HOWRAH	
		KBL	KONDHAPURI	ADDITIONALLY APPROVED FOR FM APPROVED GATE VALVE 50-250 NB
		BANKIM	KOLKATA	



TITLE

**4 X 270 MW BHADRADRI TPS  
TECHNICAL SPECIFICATION FOR  
SEWAGE TREATMENT PLANT**

SPECIFICATION NO.

PE-TS-411-673A-A001

VOLUME: II B

REV 00

SHEET 4 of 14

11		VENUS PUMPS AND ENGG. WORKS		1) CI GATE VALVE SIZES 65NB-800NB ,2) CI GLOBE VALVE FOR SIZES 65NB-400 NB AND 3) CI SCNRV FOR SIZES 65 NB -600 NB.
12	<b>BALL VALVE ( MANUAL /PNEUMATIC/ ELECTRIC) CLASS 150</b>	FLOWCHEM INDUSTRIES	KALOL	
		WEIR BDK	HUBLI	
		L&T (AUDCO)	COIMBATORE	
		MICROFINISH VALVES	HUBLI	
		AKAY VALVES	HUBLI	
13	<b>ELECTRIC MOTOR</b>	MARATHON,	KOLKATA	For HT and LT motor
		CROMPTON GREAVES	AHMEDNAGAR	For HT and LT motor
		NGEF	BANGALORE	Upto 15 KW
		ABB	BANGALORE/FARI DABAD	Upto 200 KW
		SIEMENS	MUMBAI	For HT and LT motor
		JYOTI	BARODA	For LT motor only
		LHP	SOLAPUR	Upto 120 KW
		BHEL	BHOPAL	For HT motor only
		BHARAT ELECTRIC (BHEL)		For LT motor only
		BHARAT BIJLEE	MUMBAI	Upto 160 KW( For LT motor only)
		KEC	BANGALORE/HUBLI	Upto 90 KW
14	<b>BUTTER-FLY VALVE (MANUAL / PNEUMATIC/ELECTRIC) CLASS 150</b>	FLOW SERVE	CHENNAI	
		WEIR BDK	HUBLI	
		CRANE FLOW PROCESS	SATARA	
		INTERVALVE (I) PVT LTD	PUNE	
		BRAY CONTROL	CHINA	
		FOURESS	BANGALORE	



TITLE

**4 X 270 MW BHADRADRI TPS  
TECHNICAL SPECIFICATION FOR  
SEWAGE TREATMENT PLANT**

SPECIFICATION NO.

PE-TS-411-673A-A001

VOLUME: II B

REV 00

SHEET 5 of 14

		KBL	KOHNDAHAPURI	
		PENTAIR VALVES	HALOL	
		ADVANCE VALVES	GREATER NOIDA	
15	DUAL PLATE TYPE NON-RETURN VALVE (SS & CI /CIRL UPTO 200 NB, CLASS 150)	ADVANCE VALVES	GREATER NOIDA	
		HAWA ENGINEERS	AHMEDABAD	
		LEADER	JALANDHAR	
16	DIAPHRAGM VALVE (MANUAL / PNEUMATIC) CLASS 150	WEIR BDK	HUBLI	
		CRANE FLOW PROCESS	SATARA	
		PROCON	MUMBAI	
		MAJESTIC VALVES ( LABLINE)	-	
		HAWA ENGINEERS	AHMEDABAD	
17	CHECK VALVE / NRV (LINED / UNLINED), FLAP TYPE SIZE UPTO 50 NB	MAJESTIC VALVES ( LABLINE)	-	
		WEIR BDK	HUBLI	
18	Y-TYPE STRAINER / STRAINER (WATER SERVICE)	OTOKLIN	MUMBAI	
		GRAND PRIX	NEW DELHI	
		JAYPEE	NEW DELHI	
		GREAVES COTTON	MUMBAI	
		MULTITEX	NEW DELHI / NOIDA	
		FILTRATION ENGINEERING	-	
		FLUIDNYE	-	
		SUNGOV ENGINEERING PVT. LTD.	Delhi	
		Grand Prix	Faridabad	
		JAYPEE INDUSTRIES PVT. LTD.	Delhi	
		BHATIA ENGINEERING CO.	Delhi	
19	RUBBER FLAP TYPE CHECK VALVES	ASHVIK VALVES	-	
		FLOW WAY VALVES	-	
		BDK	-	
		MAJESTIC VALVES (LABLINE INST)	-	
		ADVANCE VALVES	-	
20	SOLENOID VALVES	ROTEX	-	
		AVCON	-	



TITLE

**4 X 270 MW BHADRADRI TPS  
TECHNICAL SPECIFICATION FOR  
SEWAGE TREATMENT PLANT**

SPECIFICATION NO.

PE-TS-411-673A-A001

VOLUME: II B

REV 00

SHEET 6 of 14

21	<b>PRESSURE GAUGE/ DIFFERENTIAL PRESSURE GAUGE</b>	H GURU	RISHRA/MUZAFFA RPUR/BANGALOR E	
		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)	PANVEL	
22	<b>Pressure/DP/Vacuum Switch</b>	INDFOSS	GHAZIABAD	
		SOR	USA	
		DRESSOR	USA	
		DELTA CONTROL	UK	
		TRAFAG	RANIPET	
		GIC(GAUGES BOURDON)	PANVEL	
		ASHCROFT INDIA PVT LTD.	USA/GERMANY	
		SWITZER	CHENNAI	
23	<b>TEMPERATURE GAUGE</b>	GENERAL INSTRUMENTS		
		WAAREE (BAUMER INSTRUMENTS)		
		H.GURU INSTRUMENTS		
		A.N.INSTRUMENTS		
		SWITZER		
		FORBES MARSHALL		
24	<b>LEVEL GAUGE (F&amp;B, TUBULAR, REFLEX)</b>	SBEM		
		CHEMTROL		
		PUNE TECHTROL		
		SIGMA		
		V AUTOMAT		
		GENERAL INSTRUMENTS		
25	<b>ROTAMETER</b>	SWITZER		
		EUREKA		
		INSTRUMENT ENGINEERS		
		TRAC		



TITLE

**4 X 270 MW BHADRADRI TPS  
TECHNICAL SPECIFICATION FOR  
SEWAGE TREATMENT PLANT**

SPECIFICATION NO.

PE-TS-411-673A-A001

VOLUME: II B

REV 00

SHEET 7 of 14

26	LEVEL SWITCH ( ALL TYPES)	LEVCON		
		CHEMTROLS SAMIL ( INDIA) PVT LTD.		
		SWITZER		
		WAAREE (BAUMER INSTRUMENTS)		
		V AUTOMAT		
		PUNE TECHTROL		
27	MAGNETIC FLOW METER	ABB	-	
		WAAREE (BAUMER INSTRUMENTS)	-	
		EUREKA	-	
		EMERSON	-	
		YOKOGAWA	-	
		HACH (POTENSE)	-	
		KROHNE MARSHALL	-	
28	FLOW TRANSMITTERS (ALL TYPES)	E & H	-	
		KHRONE MARSHALL	-	
		EMERSON	-	
		ABB	-	
		HONEYWELL	-	
		YOKOGAWA	-	
29	LEVEL TRANSMITTERS (ALL TYPES)	EMERSON	-	
		E & H	-	
		ABB	-	
		HONEYWELL	-	
		V AUTOMAT	-	
		YOKOGAWA	-	
		SIEMENS	-	
		KROHNE MARSHALL	-	
30	PRESSURE TRANSMITTERS (ALL TYPES)	EMERSON	USA/PAWANE	
		LAXONS AUTOMATION	DAMAN	
		YIL	BANGALORE	
		SIEMENS	THANE	
		FUJI	CHINA	
		YOKOGAWA	JAPAN	
		HONEYWELL	USA/PUNE	
31	TEMPERATURE TRANSMITTERS	EMERSON	-	
		E & H	-	



TITLE

**4 X 270 MW BHADRADRI TPS  
TECHNICAL SPECIFICATION FOR  
SEWAGE TREATMENT PLANT**

SPECIFICATION NO.

PE-TS-411-673A-A001

VOLUME: II B

REV 00

SHEET 8 of 14

		ABB	-	
		HONEYWELL	-	
		V AUTOMAT	-	
		YOKOGAWA	-	
		SIEMENS	-	
		FORBES MARSHALL	-	
32	PH TRANSMITTERS	EMERSON	-	
		YOKOGAWA	-	
		HONEYWELL	-	
		ABB	-	
		HACH	-	
		FORBES MARSHALL	-	
33	ANALYSERS (ALL TYPES)	ABB	-	
		EMERSON	-	
		YOKOGAWA	-	
		HONEYWELL	-	
		HACH POLYMETRON	-	
		SIEMENS	-	
		FORBES MARSHALL	-	
34	PLC WITH ENCLOSURE	SIEMENS	NASIK	
		SCHNEIDER	NASIK	
		ROCKWELL	SAHIBABAD	
		GE INTELLIGENT PLATFORM	BANGALORE	
		HONEYWELL AUTOMATION INDIA LIMITED ,	PUNE	
		ABB	BANGALORE	
35	UPS	HITACHI-HIREL	GANDHINAGAR	
		APC	BANGALORE	
		DELTA	GURGAON	
		EMERSON	MUMBAI	
		DB POWER	PUNE	
		APLAB	MUMBAI	
36	CABLE GLAND	COMET	-	
		DOWELL	-	
		CHEटना	-	
37	CABLE LUGS	ELECTRO BILLETS	-	
		COMET	-	
		DOWELL	-	



TITLE

**4 X 270 MW BHADRADRI TPS  
TECHNICAL SPECIFICATION FOR  
SEWAGE TREATMENT PLANT**

SPECIFICATION NO.

PE-TS-411-673A-A001

VOLUME: II B

REV 00

SHEET 9 of 14

		CHEटना	-	
38	MS PLATES	SAIL		
		Essar Steel		
		TISCO		
		RINL		
		Jindal		
		Lloyd		
		Ispat		
		Indian Iron & Steel Co. Ltd		
39	MS PIPES (IS: 1239 & 3589)	SAIL	ROURKELA	
		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	SIKRANDRABAD	
		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			
40	SS PIPES / TUBES	APEX TUBES	BEHROR (ALWAR)	
		RATNAMANI	CHATTRAL	
		REMI	TARAPUR	
		PRAKASH STEELAGE	-	



TITLE

**4 X 270 MW BHADRADRI TPS  
TECHNICAL SPECIFICATION FOR  
SEWAGE TREATMENT PLANT**

SPECIFICATION NO.

PE-TS-411-673A-A001

VOLUME: II B

REV 00

SHEET 10 of 14

41	POWER/CONTROL/INST RUMENT 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	KHUSHKHERA	
		SRI RAM CABLES	BHIWADI	
		THERMOCABLES	HYDERABAD	
		TORRENT CABLE	NADIAD	
		UNIVERSAL CABLES	SATNA	
		GEMSCAB	BHIWADI	
DELTON	FARIDABAD			
42	SAFETY SHOWER	UNICARE	-	
		MOHAN INDUSTRIES	-	
		SUPER SAFETY SERVICES	-	
43	FRP TANKS & FITTINGS	GLOBAL COMPOSITE	-	
		EPP	-	
		DEEPA COMPOSITE	-	
		COROSEAL INDUSTRIES	-	
		CHEMICAL PROCESS & EQUIPMENT PVT LTD	-	
		J.R FIBRE INDUSTRIES PVT LTD	-	
		POLYPLAST	-	
44	LOCAL CONTROL PANEL	INDUSTRIAL SWITCHGEAR & CONTROL	-	
		POSITRONICS	-	
		DELTA CONTROL	-	
		L & T	-	
		GE POWER	-	
		PYROTECH	-	
		C & S	-	
45	TANK (FRP)	INDUSTRIAL SERVICE	KOLKATA	
		SUNRISE	BARODA	



TITLE

**4 X 270 MW BHADRADRI TPS  
TECHNICAL SPECIFICATION FOR  
SEWAGE TREATMENT PLANT**

SPECIFICATION NO.

PE-TS-411-673A-A001

VOLUME: II B

REV 00

SHEET 11 of 14

		GANDHI & ASSOCIATES	AHMEDABAD	
		MODERN EQUIPMENTS	CHENNAI	
		EAGLE PLAST	PUNE	
		OMEGA PLAST	MUMBAI	
46	STROKE CONTROLLER	V K PUMPS	NASIK	
		METACHEM	MUMBAI	
		SWELORE	AHMEDABAD	
		MILTON ROY INDIA	CHENNAI	
47	SAFETY VALVES/RELIEF VALVES	METACHEM	MUMBAI	
		KEYSTONE	BARODA	
		V K PUMPS	NASIK	
		MILTON ROY	CHENNAI	
48	STRAINER	OTOKLIN	MUMBAI	
		GRAND PRIX	NEW DELHI	
		AYPEE	NEW DELHI	
49	ORIFICE PLATE	MICRO PRECISION	FARIDABAD	
		INSTRUMENTAION LTD	PALGHAT	
		CARLO DYNAMICS	HYDERABAD	
50	SLUICE GATE	H SARKAR	KOLKATA	
		JASH ENGINEERING	-	
		YASHWANT INDUSTRIES	-	
51	3 WAY VALVE	HI TECH	AHMEDABAD	
		ADVANCE VALVES PVT.LTD	NOIDA	
		BDK	HUBLI	
		FOURESS ENGG.INDIA LTD.	MUMBAI	
		FLUIDLINEVALVES COMPANY PRIVATE LTD.,	MUMBAI	
		INSTRUMENTATION LTD.	PALAKAD	
		KIRLOSKAR BROTHERS LTD.	PUNE	
		VENUS PUMP & ENGG. WORKS	KOLKATA	
		Surya Valves and Instruments Manufacturing Company	Chennai	
		STAFFORD CONTROLS LIMITED	PUNE	



TITLE

**4 X 270 MW BHADRADRI TPS  
TECHNICAL SPECIFICATION FOR  
SEWAGE TREATMENT PLANT**

SPECIFICATION NO.

PE-TS-411-673A-A001

VOLUME: II B

REV 00

SHEET 12 of 14

		MICON VALVES (INDIA) PVT.LTD	MUMBAI	
52	PLUG VALVE(MANUAL)	BDK	HUBLI	
		HAWA ENGINEERS / MARCK & CARE	-	
		MICON VALVES	-	
		MICON VALVES (INDIA) PVT.LTD	MUMBAI	
53	FITTINGS (CS/SS)	M.S. FITTINGS	KOLKATA	
		METAL LLOYDS	MUMBAI	
		TRUE FORGE	FARIDABAD	
		TUBE PRODUCTS	BARODA	
		NL HAZRA	KOLKATA	
		GUJRAT INFRA PIPES	BARODA	
		EDWARDS	USA	
		PIPEFIT ENGINEERS	BARODA	
		SIDDARTH & GAUTAM	FARIDABAD	
		EBY	MUMBAI	
54	FLANGES (SS/CS)	PRADEEP METALS LTD	MUMBAI	
		TUBE PRODUCT INCOROPORATION	BARODA	
		MS FITTINGS	KOLKATA	
		HAWA ENGINEERING	-	
		ALIANCE PIPE & PLANGES	KOLKATA	
		JAI AMBE	MUMBAI	
55	PIPE & FILLTING (PP,HDPE,PVC & CPVC)	GEROGE FISHCHER	DELHI	
		ASTROL PLYTECHINC LTD	AHMEDABAD	
		JAIN IRRIGATION	-	
		ORIPLAST	-	
56	VALVES (GATE/GLOBE/NRV/BA LL)- (PP,HDPE,PVC & CPVC)	GEROGE FISHCHER IPING SYSTEMS PVT LTD	DELHI	
		ASTROL PLYTECHINC LTD	AHMEDABAD	
		JAIN IRRIGATION	-	
		ORIPLAST	-	
57	FILTER MEDIA	GLOBAL ABSORBENT	KOLKATA	
		BHARAT MINERALS		



TITLE

**4 X 270 MW BHADRADRI TPS  
TECHNICAL SPECIFICATION FOR  
SEWAGE TREATMENT PLANT**

SPECIFICATION NO.

PE-TS-411-673A-A001

VOLUME: II B

REV 00

SHEET 13 of 14

58	BATTERIES	AMCO (BATTERY NI-CD)	BANGALORE	
		HBL (BATTERY NI-CD)	HYDERABAD	
		SAFT	FRANCE/SWEDEN	
59	PAINT	BERGER	-	
		ASIAN PAINTS	-	
		SHALIMAR PAINTS	-	
		KANSAI NEROLAC	-	
		AKZO NOBEL	-	
60	PNEUMATIC ACTUATOR	PROCON ENGINEERS	-	
		TYCO	-	
		CRANE PROCESS	-	
		BDK	-	
		INTERVALVE	-	
		BRAY CONTROL	-	
61	MOTORISED ACTUATOR	ROTARK	-	
		AUMA	-	
		LIMITORK	-	
62	CABLE TRAYS	RATAN ENGG	-	
		INDIANA	-	
		DOLPHIN	-	
		INDUSTRIAL PERFORMATIONS	-	
		MJ ENGG	-	
		ANAND UDYOG	-	
		VATCO	-	
		STEELITE	-	
63	COATING & WRAPPING MATERIAL TAPE	IWL LTD.	CHENNAI	
		MP TAR PRODUCT	BHILAI	
		PORWAL INDUSTRIES	RAIPUR	
		RUSTECH	KOLKATA	
		STP	JAMSHEDPUR	
64	BATTERY CHARGER FOR PLC	CHLORIDE POWER	KOLKATA	
		CHABBI	JALGAON	
		AMAR RAJA	TIRUPATI	
		STATCON	NOIDA	
		HBL POWER SYSTEM	HYDERABAD	
		DUBAS	BANGALORE	



TITLE

**4 X 270 MW BHADRADRI TPS  
TECHNICAL SPECIFICATION FOR  
SEWAGE TREATMENT PLANT**

SPECIFICATION NO.

PE-TS-411-673A-A001

VOLUME: II B

REV 00

SHEET 14 of 14

		CALDYNE	KOLKATA	
65	<b>INSTRUMENT FITTING</b>	AURA INCORPORATED	NEW DELHI	
		ASTEC VALVES & FITTINGS PVT. LTD.,	MUMBAI	
		ARYA CRAFTS & ENGINEERING PVT. LTD.	MUMBAI	
		COMFIT & VALVE PVT. LTD.	AHMEDABAD	
		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	

**NOTE:**

The sub vendor list enclosed ANNEXURE-I is indicative only and is subject to approval / acceptance by customer (TSGENCO). Bidder to propose his sub vendor list with back up documents (experience list, end user certificate as applicable) etc. The same shall subject to BHEL and Customer approval during detailed engineering stage without any technical, commercial & delivery implications to BHEL/TSGENCO.