BHARAT HEAVY ELECTRICALS LIMITED, Heavy Electrical Equipment Plant Ranipur, Haridwar – 249 403 (UK), India



BHEL Tender Enquiry ref . B/4066/2024/4252/V1 for the requirement of HPT STEAM EVACUATION VALVE for Adami Raipur, Mirzapur, Kawai PH-II & III and Mahan Ph-III projects on GeM Portal

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BHARAT HEAVY ELECTRICALS LIMITED, HARIDWAR

TURBINE LAYOUT GROUP

DOCUM	ENT NO.	
TL-BOI-H	IPE-PQR-022	1
Dt:	12.03.2025	

Pre-Qualification Requirement (PQR) for HPT Steam Evacuation Valve

Description

The HPT Steam evacuation valve is used for evacuating the trapped steam in HP Turbine during turbine trip case. It is on/off & globe type valve. It is pneumatically operated very quick opening and closing type valve. Inlet of the valve is connected in turbine exhaust pipe and outlet of valve is connected to condenser which is under vacuum. The valve shall be designed for high steam flow to evacuate the steam in very less time for safety of Turbine.

The above valve should be very reliable and proven in design. It opens in sudden and allow required flow of steam under all given conditions.

Mandatory requirement for Pre-Qualification

1.0 Experience Requirement -

i) Bidder^s/bidder's principal should have successfully designed, manufactured, tested & supplied globe valve for steam application. Bidder should have supplied at least one (1) no. of valve in a power or process plant in last ten (10) years (from the date of issuance of enquiry) with following technical details –

Table-1

SI. no.	Product features	Details
1.	Application	Steam
2.	Design Pressure	50 kg/cm2 & above
3.	Design Temperature	450 deg.C or above
4.	Actuator type	pneumatic
5.	Nominal Size	150 NB & above

^{\$}In case the bidder is a non-manufacturer/trader, valid authorization certificate from principal to be submitted along with offer.

- **2.0** Bidder to submit the following documents of supplied valves for the above mentioned successfully executed order satisfying clause. no.-1: -
 - Un-Priced Purchase Orders executed for supply of at least one no. of globe valve.
 - b) Approved GA drawing & data sheet of valve and test certificate for Material, Hydraulic, leakage / functional test for globe valve as per relevant standard for the PO submitted.

Worked by	ANIL KUMAR/DM-STE(TL)	mil humar 3125	ANJANI KUMAR/Mgr -CIE	Lie Cych Min
Checked		1	NEERAJ KUMAR/SDGM-CIE	120
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	STE-TL	0	CIE	
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BHARAT HEAVY ELECTRICALS LIMITED, HARIDWAR

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DOCU	MENT NO.
TL-BO	I-HPE-PQR-022
Dt:	12.03.2025

c) Bidder to furnish dispatch documents with respect to above executed Purchase order i.e. delivery challan/ tax invoice / inspection report / Lorry way bill .

TABLE-2: To be submitted filled by Bidder along with offer

SI. no.	Description	Acceptance Criteria	Bidders response for Project Bidder to Tick applicable box.	Does Bidder meet PQR (Bidder to tick Yes or No)
1	Project name			
2	Whether Purchase Order No. and PO	Yes	Yes □	Yes □
	Date of last 10 years		No 🗆	No 🗆
3	Whether design, manufacturing,	Yes	Yes □	Yes 🗆
	testing, supply was done by Bidder/its principal.		No 🗆	No 🗆
4	Whether application of valve as per	Yes	Yes □	Yes \square
	sl. no. 1 of table-1		No 🗆	No 🗆
5	Whether design pressure of valve as	Yes	Design pressure =bar	Yes □
	per sl. no. 2 of table-1		(Bidder to fill)	No 🗆
6	Whether design temperature of	Yes	Design temperature=deg.C	Yes 🗆
	valve as per sl. no. 3 of table-1		(Bidder to fill)	No 🗆
7	Whether Type of actuator is	Yes	Yes 🗆	Yes 🗆
	pneumatic as per sl. no. 4 of table-1	970.653	No 🗆	No 🗆
8	Whether nominal size of valve as per	Yes	Nominal size =mm	Yes 🗆
150	sl. no. 5 of table-1		(Bidder to fill)	No 🗆
9	Contact details, Telephone no's & Email id of End user		Bidder to fill	

NOTE: -

- a) BHEL reserves the right to verify the information submitted by Bidder. BHEL may visit the factory premises of the Bidder for verification and other purposes submission of false/ incorrect information shall lead to rejection of offer.
- **b)** BHEL reserves the right to ask for more pertinent information /documents / clarifications.
- c) Bidder shall provide this information to BHEL in a timely manner so that project schedule does not hamper.

Worked by	ANIL KUMAR/DM-STE(TL) Anil kumar 12/3/25	ANJANI KUMAR/Mgr-CIE 7 Julian
Checked		NEERAJ KUMAR/SDGM-CIE
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BHEL Ref. No.: B/4011/2024/4252/GeM

BUYERS SPECIFIC ADDITIONAL TERMS & CONDITIONS ITEM NAME: HPT STEAM EVACUATION VALVE with its spares PROJECT: ADANI RAIPUR, MIRZAPUR, KAWAI PH-II & KAWAI PH-III AND MAHAN PH-III

1. SCOPE OF ENQUIRY:

E-bids on GeM portal are invited from bidders for the supply of **HPT STEAM EVACUATION VALVE** with its spares for ADANI RAIPUR, MIRZAPUR, KAWAI PH-II & KAWAI PH-III AND MAHAN PH-III as per requirement mentioned below:

ITEM-NO	MATERIAL CODE & ITEM DESCRIPTION	QTY.	UNIT	PROJECT	DATE FOR SUPPLY COMPLETION
	W90313787034	1	SET	RAIPUR U-1	31-10-26
	DRG: 0 REV:00	1	SET	RAIPUR U-2	30-04-27
	HPT STEAM EVACUATION	1	SET	MIRZAPUR U-1	30-04-27
	VALVE AS PER DOCUMENT NO.	1	SET	MIRZAPUR U-2	30-10-27
1	413137V8005	1	SET	KAWAI PH-II, U-1	30-10-27
ı	110101 10000	1	SET	KAWAI PH-II, U-2	30-04-28
		1	SET	KAWAI PH-III, U-1	30-01-28
		1	SET	KAWAI PH-III, U-2	30-07-28
		1	SET	MAHAN PH-III, U-1	30-11-27
		1	SET	MAHAN PH-III, U-2	30-05-28
	Total qty	10	SET		
	W93318102016	1	NO	RAIPUR Mand. Spares	30-06-27
	DRG: 41810221002 REV:00	1	NO	Mirzapur Mand. Spares	30-11-27
2	LIMIT SWITCH(INDUCTIVE)	1	NO	Kawai Ph-II Mand. Spares	30-07-28
2		1	NO	Kawai Ph-III Mand. Spares	30-10-28
		1	NO	MAHAN PH-III, Mand.spares	30-07-28
	Total qty	5	NO		
		1	NO	RAIPUR Mand. Spares	30-06-27
		1	NO	Mirzapur Mand. Spares	30-11-27
3	W99318102089 DRG: 41810221002 REV:00 SOLENOID VALVE OF HP	1	NO	Kawai Ph-II Mand. Spares	30-07-28
3	RELIEF VALVE	1	NO	Kawai Ph-III Mand. Spares	30-10-28
		1	NO	MAHAN PH-III, Mand.spares	30-07-28
		5	NO		

2. Project Detail:

1.Project Name	ITEMS TO BE DISPACHED DIRECTLY TO 2X800 MW RAIPUR PROJECT
Consignee Address	Adani Power Limited Village: Raikheda Block: Tilda, Raipur 493225 Chhattisgarh

2. Project Name	ITEMS TO BE DISPACHED DIRECTLY TO 2X800 MW MIRZAPUR PROJECT
Consignee Address	Mirzapur Thermal Energy (UP) Private Limited Village: Dadri Khurd; PO: Darhi Ram Tehsil: Sadar, District: Mirzapur 231 304 Uttar Pradesh
3. Project Name	ITEMS TO BE DISPACHED DIRECTLY TO 2X800 MW KAWAI PH-II PROJECT
Consignee Address	Adani Power limited, Kawai, 2 x 800 MW(Phase-II) Thermal Power project, Village - Kawai, Tehsil - Atru, Baran -District, Rajasthan Pin-325219
4. Project Name	ITEMS TO BE DISPACHED DIRECTLY TO 2X800 MW KAWAI PH-III PROJECT
Consignee Address	Adani Power limited, Kawai, 2 x 800 MW(Phase-II) Thermal Power project, Village - Kawai, Tehsil - Atru, Baran -District, Rajasthan Pin-325219
5. Project Name	ITEMS TO BESPACHED DIRECTLY TO 2X800 MW MAHAN PH-III PROJECT
Consignee Address	Mahan Energen Limited. 2x800 MW (Phase-III) Thermal Power Project Village: Bandhaura, Karsulal Tehsil: Waidhan, District. Singrauli-486886 (Madhya Pradesh)

3.BUYERS SPECIFIC ADDITIONAL TERMS & CONDITIONS IN ADDITION TO GTC

SI. No.	Terms	Description	Supplier
			confirmation
1.	Make in India	"For this procurement, the local content to categorize a supplier as a Class-I	
	Clause	Local Supplier / Class-II Local Supplier/ Non-Local Supplier and purchase	
		preference to Class-I Local Supplier, is as defined in Public Procurement	
		(Preference to Make in India), Order-2017 Ref. No. P-45021/2/2017-PP (BE-	
		II) dtd. 04/06/2020 issued by DPIIT. In case of subsequent orders issued, by	
		the nodal ministry, changing the definition of local content for the items of	
		this NIT, but before opening of Part-II bids against this NIT	
		As per Make in India Order, only Class-I and Class-II local supplies are eligible	
		to bid in this tender enquiry.	
		For this eligibility criteria, bidders are required to submit certificate of	
		Minimum local content as specified in the Make In India Declaration	
		Certificate of the tender.	
2.	Documents	Please submit signed and stamped copy of your offer on each page along	
	Checklist:	with following documents;	
		Buyer Specific T&C.	

	<u> </u>		
		Technical PQR & its supportive document.	
		Technical drawing & purchase specification.	
		Quality plan.	
		 Certificate/self-certification for minimum local content as per PPP- MII order. 	
		Replica of price bid schedule without prices with part-I offer.	
		Please note that technical documents shall be shared against submission of FCA (FCA copy enclosed) .	
3.	Compliance of	General Terms and Conditions on GeM 4.0 (Version 1.21) Dtd 18.01.2025 or	
	GTC on GeM	it's latest revision of GeM portal shall be applicable against this enquiry.	
		Kindly confirm to compliance the same for this tender.	
4.		The Pre-Qualification Requirements have been compiled. All the bidders	
	Pre-	should ensure submission of complete details and documents as called for in	
	Qualification	these requirements. The Offers submitted by the bidders would be	
	Requirements	scrutinized with respect to Pre-Qualification Requirements first. Techno- Commercial offer of only those bidders shall be evaluated who meet the Pre-	
		Qualification Requirements.	
5.	Procurement	Bidders are requested to submit their credentials along with offer (Credentials	
J.	from Customer	should include BHEL P.O.s on vendor for the same rating or higher rating	
	Approved / Accepted	turbines, Experience of vendor with state utilities and major PSU like NTPC,	
	Vendors only	End User Certificate wherever available), in order to take up with end customer for approval	
	,	customer for approval	
		Supplier to submit following credentials for arranging Customer approval:-	
		Company Profile	
		List of Order Executed/ on hand for Power Sector/Gov. organization of	
		same /similar items	
		Copy of Major Supply Orders	
		Performance Certificates for Satisfactory working of System/ Equipment	
		from end users Item.	
		The offer of only those bidders, who meet Pre-qualification requirement (PQR), Technical requirement and approved by the End Customer, will be considered for price-bid opening & RA for the requirement against this enquiry.	
6.	Compliance of	Compliance of Restrictions under Rule 144 (xi) of GFR 2017 shall be as per	
	Rule 144 (xi) of	GeM.	
	GFR 2017		
7	Did on lists /	Diagon water that well-dite, of the effect that I had 100 days for each of the days	
7.	Bid validity/ Validity of offer	Please note that validity of the offer shall be 180 days from the date opening of Techno-Commercial bid (Part-I bid) on GeM portal.	
	validity of other	Offer of bidder's having validity less than 180 days shall liable to reject.	
		Please confirm.	
		The required validity is considering that offer is complete & clear w.r.t. PQR	
		and all techno-commercial conditions. Vendors need to extend their offer	
		validity for the time taken by them in responding BHEL's	
		comments/clarification sought during techno-commercial scrutiny of the	
		offer. In case regret by any bidder for such validity extension, their offer shall	
		liable to be reject. Please confirm.	
8.	Firm & Fixed	Kindly confirm that prices will remain firm and fixed during the entire validity	
	Prices	and execution of the project.	

9.	Prices/Basis of Quotation	Kindly confirm to quote your price & GST for Total quantity on GeM po	inclusive of Packing, forwarding, Freight				
	Quotation		ged by BHEL. Please quote your prices				
		accordingly.	Boar of 27.22. Freeze quees four prices				
		The prices are to be quoted on Ex-					
		destination basis. The goods must be					
		_	t Haridwar. The names and addresses of				
			well as BHEL are posted at our website nat, if you dispatch the material by any				
			en you will necessarily be required to				
			Certificate) from respective Project Site				
		for processing of your invoice. No	demurrage charges would be borne by				
		BHEL.					
10.	Loading and	•	ding & Unloading at Final destination of				
	unloading	_	ion (i.e. BHEL site) is in BHEL 'scope. termediate places due to any permitted				
		transhipment will be the responsibi					
11.	Evaluation		is of total landed cost to BHEL, taking all				
	criteria	_	r with total cost involved for delivery up				
			material cost, taxes & duties and Freight				
		charges up to Project site).					
12.	Evaluation	The evaluation currency for this ten	der shall be INR.				
	Currency	, , , , , , , , , , , , , , , , , , , ,	The evaluation earrency for this tender shall be livit.				
13.	Payment terms:		ceipt of Material at BHEL respective				
		receipt of Material at site (i.e. MRC of	fined in the below table from the date of date).				
			·				
		Type of Diddon					
		Type of Bidder	Payment Terms (Number of Days)				
		Micro & Small Enterprises	Days)				
		Micro & Small Enterprises (MSEs)	Days) 45 days				
		Micro & Small Enterprises (MSEs) Medium Enterprises	Days) 45 days 60 days				
		Micro & Small Enterprises (MSEs)	Days) 45 days				
		Micro & Small Enterprises (MSEs) Medium Enterprises Non MSME The Payment terms are subject to	Days) 45 days 60 days				
		Micro & Small Enterprises (MSEs) Medium Enterprises Non MSME	Days) 45 days 60 days 90 days				
14.	GeM charges	Micro & Small Enterprises (MSEs) Medium Enterprises Non MSME The Payment terms are subject to supplier.	Days) 45 days 60 days 90 days				
14.	GeM charges	Micro & Small Enterprises (MSEs) Medium Enterprises Non MSME The Payment terms are subject to supplier GeM charges if any shall be either s in buyer's account and seller's Ge	Days) 45 days 60 days 90 days receipt of non-discrepant document from				
	-	Micro & Small Enterprises (MSEs) Medium Enterprises Non MSME The Payment terms are subject to supplier GeM charges if any shall be either s in buyer's account and seller's Ge Please confirm.	Days) 45 days 60 days 90 days receipt of non-discrepant document from ide only i.e. buyer's GeM charges shall be M charges shall be on seller's account.				
14.	GeM charges Reverse Auction	Micro & Small Enterprises (MSEs) Medium Enterprises Non MSME The Payment terms are subject to supplier. GeM charges if any shall be either s in buyer's account and seller's Ge Please confirm. RA shall be done on GeM portal a	Days) 45 days 60 days 90 days receipt of non-discrepant document from ide only i.e. buyer's GeM charges shall be				
	-	Micro & Small Enterprises (MSEs) Medium Enterprises Non MSME The Payment terms are subject to supplier GeM charges if any shall be either s in buyer's account and seller's Ge Please confirm. RA shall be done on GeM portal a GeM portal.	Days) 45 days 60 days 90 days receipt of non-discrepant document from ide only i.e. buyer's GeM charges shall be M charges shall be on seller's account.				
15. 16.	Reverse Auction Contract execution	Micro & Small Enterprises (MSEs) Medium Enterprises Non MSME The Payment terms are subject to supplier. GeM charges if any shall be either s in buyer's account and seller's Ge Please confirm. RA shall be done on GeM portal a GeM portal. Bidder's are advised to read GeM GeM portal. Order shall be executed	Days) 45 days 60 days 90 days receipt of non-discrepant document from ide only i.e. buyer's GeM charges shall be M charges shall be on seller's account. s per the guidelines & logics enabled on related query & clarification carefully on through GeM.				
15.	Reverse Auction Contract	Micro & Small Enterprises (MSEs) Medium Enterprises Non MSME The Payment terms are subject to supplier GeM charges if any shall be either s in buyer's account and seller's Ge Please confirm. RA shall be done on GeM portal a GeM portal. Bidder's are advised to read GeM GeM portal. Order shall be executed Please note that BHEL's Delivery results.	Days) 45 days 60 days 90 days receipt of non-discrepant document from ide only i.e. buyer's GeM charges shall be M charges shall be on seller's account. s per the guidelines & logics enabled on related query & clarification carefully on				
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15. 16.	Reverse Auction Contract execution	Micro & Small Enterprises (MSEs) Medium Enterprises Non MSME The Payment terms are subject to supplier GeM charges if any shall be either s in buyer's account and seller's Ge Please confirm. RA shall be done on GeM portal a GeM portal. Bidder's are advised to read GeM GeM portal. Order shall be executed Please note that BHEL's Delivery re of above. Early delivery w.r.t. above lot deliconfirmation from BHEL. BHEL rese of bidders / suppliers. Delivery period indicated in GeM be tender shall be taken as mentioned Accordingly bidders to confirm the possible delivery in no of months	Days) 45 days 60 days 90 days receipt of non-discrepant document from ide only i.e. buyer's GeM charges shall be implement of the modern of the guidelines & logics enabled on related query & clarification carefully on through GeM. In the guidelines are mentioned in point no 1 every will be accepted only after written erve right to reject early delivery request oid is only indicative and final delivery of above.				

	T	T	
18.	Liquidated	Liquidated Damages shall be lot wise as per clause no. 15 (iii) of General	
	Damages (LD)	terms and conditions on GeM 4.0 (Version 1.21) as under: kindly confirm.	
	for late delivery	"If the Seller/Service Provider fails to deliver any or all of the Goods/Services	
		within the original/re-fixed delivery period(s) specified in the contract, the	
		Buyer will be entitled to deduct/recover the Liquidated Damages for the	
		delay, unless covered under Force Majeure conditions aforesaid, @ 0.5% of	
		the contract value of delayed quantity per week or part of the week of	
		delayed period as pre-estimated damages not exceeding 10% of the contract	
		value of delayed quantity without any controversy/dispute of any sort	
		whatsoever".	
		The date of LR would be treated as the date of delivery for penalty purposes.	
19.	Technical	Kindly ensure completeness of your offer as per BHEL drg nos	
	Requirement :	413137V8005 , Doc. no. 41810221002 ,41313795102,413137W1101	
		413137V8100 & addendum-413137K1100	
20.	Technical	Drawings/Data sheets/documents/QAP etc. as called for in the specifications	
	Document/	shall be submitted by Vendor for BHEL/ Customer approval within 30 days of	
	Drawing	purchase order. BHEL shall approve these drawings/data sheets/ documents	
	approval	/ QAP etc. within 30 days of receipt.	
	conditions	Any comments on the documents shall be given by BHEL within 7 days of	
		submission and vendor shall submit revised document / reply to comments,	
		within 7 days of BHEL comments. However, total time for Document	
		submission and approval shall not exceed 30 days for respective party.	
		Delivery is from the date of PO, accordingly, delay in submission / revision of	
		the documents by the vendor will automatically account for to vendor. In	
		case of delay on account of BHEL in comments / approval of the documents,	
		the delivery shall be re-scheduled by the no of days taken by BHEL in excess	
		to 30 days. For delay analysis cumulative no of days (including time taken in	
		comments), shall be considered for delivery extension.	
21.	PAINTING	Kindly confirm the following painting requirement;	
	REQUIREMENTS	Paint scheme of valve shall be as per document no Addendum-	
		413137K1100.	
22.	Packing and	Kindly confirm the following packing instruction;	
	Storage	a) ALL MANDATORY CRADEC ITEMS CHOLILD BE DACKED	
		a) ALL MANDATORY SPARES ITEMS SHOULD BE PACKED SEPARATELY WITH PROPER LABELLING LIKE ITEM.	
		b) DESCRIPTION PO NO ETC IN SEPARATE GREEN COLOUR	
		PAINTED WOODEN BOXES & "MANDATORY SPARES"	
		SHOULD ME MENTIONED ON BOX.	
23.	Action against	In order to protect the commercial interests of BHEL, BHEL shall take action	
23.	Bidders /	against supplies / contractors by way of suspension of business dealings,	
	vendor /	who either fail to perform or are in default without any reasonable cause,	
	supplier /	cause loss of business/ money/ reputation, indulge in malpractices, cheating,	
	contractor in	bribery, fraud or any other misconduct or formation of cartels so as to	
	case of default:	influence the bidding process or influence the price etc.	
		Suspension of Business Dealings could be in the form of "Hold" or "Banning"	
		a supplier/ contractor or a bidder and shall be as per "Guidelines for	
		Suspension of Business Dealings with Suppliers/ Contractors" available at	
		BHEL's website "https://www.bhel.com/guidelines-suspension-business-	
		dealings-supplierscontractors"	
24.	MDCC clause	Please note that, material shall be dispatched only after issue of Material	
2.,		dispatch clearance certificate (MDCC) from end customer. For issue of	
		MDCC, vendors are required to submit all test certificates (TC) and	
	I	, and a supplied to substitute and took on the control of the	

		inspection report of third party (IR) to BHEL. After review & acceptance of the quality document, BHEL will forward the same to end customer for issuance of MDCC.	
		MDCC shall be issued within 7 days of receipt of complete quality documents / TCs,. In case of delay in issuance of MDCC, only delivery shall be extended by no of days taken by BHEL in excess to 7 days and all other terms and conditions of PO shall remains same & binding.	
		In case any material is dispatched without MDCC and any loss is incurred by Supplier/Vendor for any reason whatsoever, BHEL shall not be responsible in any manner to compensate the supplier in this regard.	
25.	Guarantee/Wa rranty clause	 Kindly confirm. Kindly confirm the following Guarantee/Warranty clause; The supplier shall guarantee trouble free operation of the equipment for a period of 2 years after installation and commissioning or a period of 3 years from the date of dispatch of equipment whichever is earlier. 	
		 In case of any failure or trouble reported from site, the supplier should depute their representative immediately to attend the problem and replace the defective component/part if required, without any additional cost to BHEL. BHEL reserve the rights to reject/load the offers having lesser guarantee period as mentioned above. 	
26.	Order Acceptance :	Ink signed order acceptance shall be furnished within 15 days of order placement. In case, order acceptance is not received within 15 days of order placement, PO deemed to be accepted by you.	
27.	Beneficiary of PO	Kindly confirm on whom the PO will be placed in the event of ordering.	
28.	Additional Conditions for Assessment	BHEL reserves the right to consider / Not-consider the offers based on the evaluation of documents submitted for the Pre-Qualification Criteria (PQR). BHEL also reserves the right to have on-site assessment of the facilities at supplier's works during the bid evaluation.	
29.	O&M Manuals	Kindly confirm that in the event of ordering O&M manuals will be provided in 07 nos. of Hard Copies and 02 CD ROMs / PEN DRIVE to BHEL Haridwar.	
		Kindly note that your documents including O&M Manual shall bear the details as per cover page (Annexure-IV). Further the cover page of the O&M Manual shall be bilingual in Hindi & English Language.	
30.	Quality Requirement	Kindly confirm the follow quality requirement of the tender; a) Kindly submit endorsed copy of customer approved quality plan (copy attached). b) Kindly specifically confirm to follow Customer approved QP.	
		 c) Inspection by BHEL nominated inspection agency QUEST and Customer as per Customer approved quality plan . d) For spare items, Inspection shall be done as per main customer approved QP. For the item not appearing in customer approved QP, 	
		TC/COC to be submitted. e) Kindly confirm that item shall be offered for witnessing in un-paint condition. f) Kindly confirm to attached customer approved C&I list for applicable for C&I items.	
		g) Kindly confirm that paint material shall be procured from following	

	ı		T
		manufacturer: - 1. Asian Paints India Ltd.	
		2. Shalimar Paints	
		3. Jotun	
		4. Akzonobel	
		5. Berger Paints	
		6. Good Lass Nerolac Paints	
		7. Bombay Paints	
		8. Jenson & Nicholson	
		a. C&I item area to procured from customer approved vendors only (Adani	
		C&I customer approved vendor list is attached).	
		Inspection charges will be borne by BHEL. All coordination with third party	
		inspection agency shall be done by the supplier only. Inspection call to third party inspection agency may be raised directly by the	
		supplier; however 15 days are to be provided for deputation of representative	
		of third party inspection agency for inspection.	
31.	Dispatch	Following dispatch documents to be provided immediately after directly	
	documents	dispatch to BHEL Project site for billing purpose:Guarantee/Warrantee Certificates	
		E- Invoice and commercial inv	
		GeM invoice	
		Original consignee copies of GR/LR/RR (Material shall be dispatched on	
		door delivery basis without consignee copy)	
		 Packing list Original GST compliance certificate 	
		MRC/POD/Receipted LR/RR/GR copy (as per proof of delivery of material	
		at BHEL Project site)	
32.	BREACH OF CONTRACT, REMEDIES AND	The following shall amount to breach of contract:	
	TERMINATION:	I. Non-supply of material/ non-completion of work by the Supplier/Vendor	
		within scheduled delivery/ completion period as per contract or as	
		extended from time to time. II. The Supplier/Vendor fails to perform as per the activity schedule and	
		there are	
		sufficient reasons even before expiry of the delivery/ completion period to justify	
		that supplies shall be inordinately delayed beyond contractual delivery/	
		completion	
		period. III. The Supplier/Vendor delivers equipment/ material not of the	
		contracted quality.	
		IV. The Supplier/Vendor fails to replace the defective equipment/ material/	
		component as per guarantee clause. V. Withdrawal from or abandonment of the work by the Supplier/Vendor	
		before	
		completion as per contract.	
		VI. Assignment, transfer, subletting of Contract by the Supplier/Vendor	

without BHEL's written permission resulting in termination of Contract or part thereof by BHEL.

VII. Non-compliance to any contractual condition or any other default attributable to Supplier/Vendor.

VIII. Any other reason(s) attributable to Vendor towards failure of performance of contract. In case of breach of contract, BHEL shall have the right to terminate the Purchase Order/ Contract either in whole or in part thereof without any compensation to the Supplier/Vendor.

IX. Any of the declarations furnished by the contractor at the time of bidding and/ or entering into the contract for supply are found untruthful and such declarations were

of a nature that could have resulted in non-award of contract to the contractor or could expose BHEL and/ or Owner to adverse consequences, financial or otherwise.

X. Supplier/Vendor is convicted of any offence involving corrupt business practices, antinational activities or any such offence that compromises the business ethics of BHEL, in violation of the Integrity Pact entered into with BHEL has the potential to harm the overall business of BHEL/ Owner.

Note-Once BHEL considers that a breach of contract has occurred on the part of Supplier/Vendor, BHEL shall notify the Supplier/Vendor by way of notice in this regard. Contractor shall be given an opportunity to rectify the reasons causing the breach of contract within a period of 14 days.

In case the contractor fails to remedy the breach, as mentioned in the notice, to the satisfaction of BHEL, BHEL shall have the right to take recourse to any of the remedial actions available to it under the relevant provisions of contract.

Remedies in case of Breach of Contract.

- i) Wherein the period as stipulated in the notice issued under above clause has expired and Supplier/Vendor has failed to remedy the breach, BHEL will have the right to terminate the contract on the ground of "Breach of Contract" without any further notice to contractor.
- ii) Upon termination of contract, BHEL shall be entitled to recover an amount equivalent to 10% of the Contract Value for the damages on account of breach of contract committed by the Supplier/Vendor. This amount shall be recovered by way of encashing the security instruments like performance bank guarantee etc available with BHEL against the said contract. In case the value of the security instruments available is less than 10% of the contract value, the balance amount shall be recovered from other financial remedies (i.e. available bills of the Supplier/Vendor, retention amount, from the money due to the Supplier/Vendor etc. with BHEL) or the other legal remedies shall be pursued.
- iii) wherever the value of security instruments like performance bank guarantee available with BHEL against the said contract is 10% of the contract value or more, such security instruments to the extent of 10% contract value will be encashed. In case no security instruments are available or the value of the security instruments available is less than 10% of the contract value, the 10% of the contract value or the balance amount, as the case may be, will be recovered in all or any of the following manners:
- iv) In case the amount recovered under sub clause (a) above is not sufficient to fulfil the amount recoverable then; a demand notice to deposit the balance amount within 30 days shall be issued to Supplier/Vendor.

- v) If Supplier/Vendor fails to deposit the balance amount within the period as prescribed in demand notice, following action shall be taken for recovery of the balance amount:
- a) from dues available in the form of Bills payable to defaulted Supplier/Vendor against the same contract.
- b) If it is not possible to recover the dues available from the same contract or dues are insufficient to meet the recoverable amount, balance amount shall be recovered from any money(s) payable to Supplier/Vendor under any contract with other Units of BHEL including recovery from security deposits or any other deposit available in the form of security instruments of any kind against Security deposit or EMD.
- vi) In-case recoveries are not possible with any of the above available options, Legal action shall be initiated for recovery against defaulted supplier/Vendor.
- vii) It is an agreed term of contract that this amount shall be a genuine pre-estimate of damages that BHEL would incur in completion of balance contractual obligation of the contract through any other agency and BHEL will not be required to furnish any other evidence to the Supplier/Vendor for the purpose of estimation of damages.
- viii) In addition to the above, imposition of liquidated damages, debarment, termination, de-scoping, short-closure, etc., shall be applied as per provisions of the contract.

Note:

- 1) The defaulting Supplier/Vendor shall not be eligible for participation in any of the future enquiries floated by BHEL to complete the balance work. The defaulting contractor shall mean and include:
- (a) In case defaulted Supplier/Vendor is the Sole Proprietorship Firm, any Sole Proprietorship Firm owned by same Sole Proprietor.
- (b) In case defaulted Supplier/Vendor is The Partnership Firm, any firm comprising of same partners/ some of the same partners; or sole proprietorship firm owned by any partner(s) as a sole proprietor.

Suspension of Business Dealings with Suppliers / Contractors:

The offers of the bidders who are under suspension as also the offers of the bidders, who engage the services of the banned firms / principal / agents, shall be rejected. The list of banned firms is available on BHEL web site www.bhel.com.

If any bidder / supplier / contractor during pre-tendering / tendering / post tendering / award / execution / post-execution stage indulges in any act, including but not limited to, mal-practices, cheating, bribery, fraud or and other misconduct or formation of cartel so as to influence the bidding process or influence the price or tampers the tendering process or acts or omits in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860(Bhartiya Nyaya Samhita 2023) or any other law in force in India, or does anything which is actionable under the Guidelines for Suspension of Business dealings, action may be taken against such bidder / supplier / contractor as per extant guidelines of the company available on www.bhel.com and / or under applicable legal provisions. Guidelines for suspension of business dealings is available in the webpage:

http://www.bhel.com/vender_registration/vender.php.

34. Settlement of Dispute, CONCILIATION & ARBITRATION

Settlement of Dispute

If any dispute or difference of any kind whatsoever shall arise between BHEL and the Supplier/Vendor, arising out of the contract for the performance of the work whether during the progress of contract termination, abandonment or breach of the contract, it shall in the first place referred to Designated Officer / IEM for amicable resolution by the parties. Designated Officer / IEM who within 60 days after being requested shall give written notice of his decision to the contractor. Save as hereinafter provided, such decision in respect of every matter so referred shall forthwith be given effect to by the Supplier/Vendor who shall proceed with the work with all due diligence, whether he or BHEL desires to resolve the dispute as hereinafter provided or not. If after the Designated Engineer has given written notice of this decision to the party and no intention to pursue the dispute has been communicated to him by the affected party within 30 days from the receipt of such notice, the said decision shall become final and binding on the parties. In the event the Supplier/Vendor being dissatisfied with any such decision or if amicable settlement cannot be reached then all such disputed issues shall be resolved through conciliation in terms of the BHEL Conciliation Scheme 2018 as per 'CONCILIATION' Clause.

CONCILIATION:

Any dispute, difference or controversy of whatever nature howsoever arising under or out of or in relation to this Agreement (including its interpretation) between the Parties, and so notified in writing by either Party to the other Party (the "Dispute") shall, in the first instance, be attempted to be resolved amicably in accordance with the conciliation procedure as per BHEL Conciliation Scheme 2018. The proceedings of Conciliation shall broadly be governed by Part-III of the Arbitration and Conciliation Act 1996 or any statutory modification thereof and as provided in - "Procedure for conduct of conciliation proceedings" (as available in www.bhel.com).

Note: Ministry of Finance has issued OM reference No. 1/2/24 dated 03.06.2024 regarding "Guidelines for Arbitration and Mediation in Contracts of Domestic Public Procurement. In the said OM it has been recommended that Government departments/ Entities/agencies are to encourage mediation under the Mediation Act. 2023. The said Act has not yet been notified by the Government. Therefore, the clause "Settlement of Disputes" shall be modified accordingly as and when the Mediation Act 2023 gets notified.

ARBITRATION:

Except as provided elsewhere in this Contract, in case Parties are unable to reach amicable settlement (whether by Conciliation to be conducted as provided herein above or otherwise) in respect of any dispute or difference; arising out of the formation, breach, termination, validity or execution of the Contract; or, the respective rights and liabilities of the Parties; or, in relation to interpretation of any provision of the Contract; or. in any manner touching upon the Contract (hereinafter referred to as the 'Dispute'), then, either Party may, refer the disputes to Arbitral Institution and such dispute to be adjudicated by Sole Arbitrator appointed in accordance with the Rules of said Arbitral Institution.

A party willing to commence arbitration proceeding shall invoke Arbitration Clause by giving notice to the other party in terms of section 21 of the Arbitration & Conciliation Act, 1996 (hereinafter referred to as the 'Notice') before referring the matter to arbitral institution. The Notice shall be addressed to the Head of the Region, Power Sector/ Unit, BHEL, executing the Contract and shall contain the particulars of all claims to be referred to arbitration with sufficient detail and shall also indicate the monetary amount of such claim including interest, if any.

After expiry of 30 days from the date of receipt of aforesaid notice, the party invoking the Arbitration shall submit that dispute to the Arbitral Institutions (shall be identified by the contract issuing agency) and that dispute shall be adjudicated in accordance with their respective Arbitration Rules. The matter shall be adjudicated by a Sole Arbitrator who shall necessarily be a Retd Judge having considerable experience in commercial matters to be appointed/nominated by the respective institution. The cost/expenses pertaining to the said Arbitration shall also be governed in accordance with the Rules of the respective Arbitral Institution. The decision of the party invoking the Arbitration for reference of dispute to a specific Arbitral institution for adjudication of that dispute shall be final and binding on both the parties and shall not be subject to any change thereafter. The institution once selected at the time of invocation of dispute shall remain unchanged.

The fee and expenses shall be borne by the parties as per the Arbitral Institutional rules.

The Arbitration proceedings shall be in English language and the seat and venue of Arbitration shall be at the court(s) of Haridwar.

Subject to the above, the provisions of Arbitration & Conciliation Act 1996 and any amendment thereof shall be applicable. All matters relating to this Contract and arising out of invocation of Arbitration clause are subject to the exclusive jurisdiction of the Court(s) situated at Haridwar , shall have exclusive jurisdiction.

Notwithstanding any reference to the Designated Engineer or Conciliation or Arbitration herein, a. the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree. Settlement of Dispute clause cannot be invoked by the Contractor, if the Contract has been mutually closed or 'No Demand Certificate' has been furnished by the Contractor or any Settlement Agreement has been signed between the Employer and the Contractor.

It is agreed that Mechanism of resolution of disputes through arbitration shall be available only in the cases where the value of the dispute is less than Rs. 10 Crores.

In case the disputed amount Claim, Counter claim including interest is Rs. 10 crores and above, the parties shall be within their rights to take recourse to remedies other than Arbitration, as may be available to them under the applicable laws after prior intimation to the other party. Subject to the aforesaid conditions, provisions of the Arbitration and Conciliation Act, 1996 and any statutory modifications or re-enactment thereof as amended from time to time, shall apply to the arbitration proceedings under this clause.

In case, multiple arbitrations are invoked (whether sub-judice or arbitral award passed) by any party to under this contract, then the cumulative value of claims (including interest claimed or awarded) in all such arbitrations shall

		T				
			•	total claim in dispute		
		· ·	•	nentioned above. D		
				hall be resolved thro	_	
		and any additional of jurisdiction.				
35.	CONFLICT OF	A bidder shall not h				
33.	INTEREST			ve practices to the		
	AMONG	Procuring Entity's in				
	BIDDERS/			e considered to hav		
	AGENTS	interest with one or	•		e a confinct of	
	AGLIVIS	a) they have controll	•	•		
				direct or indirect sub	nsidy/ financial	
		stake from any of the				
		,		e/agent for purposes	of this bid: or	
				r, directly or through		
			•	nave access to inform		
		influence on the bid	of another Bidder, o	r		
		e) Bidder participa	tes in more than	one bid in this bi	dding process.	
		Participation by a	Bidder in more t	than one Bid will	result in the	
				parties are involved.	•	
				ponents/ sub-assemb	oly/ Assemblies	
		from. one bidding m				
				e procurements, on		
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			•	der enquiry. One ma here can be only on		
		following:	one agent/dealer. I	nere can be only on	e bid from the	
		_	nufacturer directly o	or through one India	n agent on his	
		behalf; and	, , , , , , , , , , , , , , , , , , , ,			
		2. Indian/foreign age	ent on behalf of only	one principal, ·		
		or				
		g) A Bidder or any of	its affiliates participa	ated as a consultant i	n the	
				pecifications of the o	contract that is	
		the subject of the Bi				
				ing more than one		
		_		ne unit having com should quote. Simi		
				mpanies. Bidders m		
				management units ir		
		line of business. "	343633,	management ames n	· same, similar	
36.	MICRO AND		nder MSE category	shall furnish the follo	wing details &	
	SMALL	, ,	.	rtificate etc. in suppo	•	
	ENTERPRISES	along with their tech	no-commercial offer	•		
	(MSE):					
		Type under MSE	SC/ST owned	Women owned	Others (exclud	
					SC/ ST & Wor	
					Owned)	
		Micro				
		Small				
		Note: If the bidder	does not furnish th	ne above, offer shal	l be processed	
		construing that the b	oidder is not falling u	nder MSE category.		
				ntended benefits in		
		procuremen	ts related to the Go	ods and Services onl	y (Definition of	

		<u></u>	
37.	JURISDICTION:	Goods and Services as enumerated by Govt. of India vide Office Memorandum F. No. 21(8)/2011-MA dtd. 09/11/2016 office of AS & DC, MSME) only if they submit along with the offer, attested copies of either Udyam Registration. Date to be reckoned for determining the deemed validity will be the last date of Technical Bid submission. Non-submission of supporting document in GeM portal will lead to consideration of their bids at par with other bidders. No benefits shall be applicable for this enquiry if the above required documents are not uploaded at the time of bid submission. Documents submitted by the bidder shall be verified by BHEL for rendering the applicable benefits.	
57.	JOINIODIC II CINI	Republic of India. Subject to clause(s) mentioned above of this contract, the Civil Court having original Civil Jurisdiction at Haridwar shall alone have exclusive jurisdiction in regard to all matters in respect of the Contract.	
38.	Force Majeure	"Force Majeure" shall mean circumstance which is: a) beyond control of either of the parties to contract, b) either of the parties could not reasonably have provided against the event before entering into the contract, c) having arisen, either of the parties could not reasonably have avoided or overcome, and d) is not substantially attributable to either of the parties And Prevents the performance of the contract, Such circumstances include but shall not be limited to: i) War, hostilities, invasion, act of foreign enemies. ii) Rebellion, terrorism, revolution, insurrection, military or usurped power, or civil war. iii) Riot, commotion or disorder by persons other than the contractor's personnel and other employees of the contractor and sub-contractors. iv) Strike or lockout not solely involving the contractor's personnel and other employees of the contractor and sub-contractors. v) Encountering munitions of war, explosive materials, ionizing radiation or contamination by radioactivity, except as may be attributable to the contractor's use of such munitions, explosives, radiation or radio- activity. vi) Natural catastrophes such as earthquake, tsunami, volcanic activity, hurricane or typhoon, flood, fire, cyclones etc. vii) Epidemic, pandemic etc. The following events are explicitly excluded from Force Majeure and are solely the responsibilities of the non-performing party: a) any strike, work-to-rule action, goslow or similar labour difficulty (b) late delivery of equipment or material (unless caused by Force Majeure event) and (c) economic hardship. If either party is prevented, hindered or delayed from or in performing any of its obligations under the Contract by an event of Force Majeure, then it shall notify the other in writing of the occurrence of such event and the circumstances thereof within 15 (fifteen) days after the occurrence of such event. The party who has given such notice shall be excused from the performance or punctual performance of its obligations under the Contract for so long as the re	
		•	

		Delay or non-performance by either party hereto caused by the occurrence of any event of Force Majeure shall not i) Constitute a default or breach of the Contract. ii) Give rise to any claim for damages or additional cost expense occasioned thereby, if and to the extent that such delay or non-performance is caused by the occurrence of an event of Force Majeure. BHEL at its discretion may consider short closure of contract after 1 year of imposition of Force Majeure in line with extant guidelines. In any case, Supplier/Vendor cannot consider deemed short-closure after 1 year of imposition of Force Majeure	
39.	Cartel Formation	The Bidder declares that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Bidder(s). This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process. In case, the Bidder is found having indulged in above activities, suitable action shall be taken by BHEL as per extant policies/guidelines.	
40.	Order of Precedence:	In the event of any ambiguity or conflict between the Tender Documents, the order of precedence shall be in the order below: a. Amendments/Clarifications/Corrigenda/Errata etc. issued in respect of the tender documents by BHEL. b. Buyer Added Bid Specific ATC c. GeM Bid Technical Conditions of Contract (TCC) d. GeM GTC	

SPECIAL NOTE FOR BIDDERS:

- a. In the event of our customer order covering this tender being cancelled /placed on hold /otherwise modified, BHEL would be constrained to accordingly cancel / hold / modify the tender at any stage of execution.
- b. BHEL may negotiate the L1 rate, if not meeting our budget / estimated cost. BHEL may re-float the tender opened, if L1 price is not acceptable to BHEL even after negotiation.
- c. Any change in applicable rates of Tax or any other statutory levies (Direct / Indirect) or any new introduction of any levy by means of statute and its corresponding liability for the deliveries beyond the agreed delivery date for reasons not attributable to BHEL will be to vendors account. BHEL will not reimburse the same and any subsequent claim in this respect will be summarily rejected.
- d. BHEL reserves its right to reject an offer due to unsatisfactory past performance by the respective Vendor in the execution of any contract to any BHEL project / Unit.
- e. The offers of the bidders who are under suspension and also the offers of the bidders, who engage the services of the banned firms /principal/agents, shall be rejected. The list of banned firms is available on BHEL web site www.bhel.com.
- f. Recovery / deduction as applicable as per Direct and Indirect taxes as notified by Govt. Of India from time to time will be made and information/certificate for such deduction/recoveries shall be provided by BHEL to the vendor.
- g. If the delivery of supply as detailed above gets delayed beyond the delivery period, the Supplier/Vendor shall request for a delivery extension and BHEL at its discretion may extend the Contract. However, if any 'Delivery extension' is granted to the Supplier/Vendor for completion of supply, due to backlog attributable

- to the Supplier/Vendor, then it shall be without prejudice to the rights of BHEL to impose LD for the delays attributable to the Supplier/Vendor.
- h. In case BHEL increase the quantity during currency of the contract in line with quantity variation clause of GeM bid, delivery extension on pro-rata basis shall be given for supply of these additional quantity.

Following documents are an integral part of this Tender Enquiry and endorsed copies of these documents (duly signed and stamped on each page, as a token of acceptance) are to be submitted/uploaded along with offer on GeM portal against this bid.

- 1. Please submit replica of Price schedule (without prices) showing "quoted" in place of price along with technocommercial bid (Part-I).
- **2.** Please submit signed & Stamped copy (each page) of duly filled of confirmation column of "Buyers Specific Additional Terms & Conditions (ATC)" and its clause wise supporting documents where required.
- **3.** Please submit signed & stamped copy (each page) for qualifying PQR with proper filled information and related supporting documents as mentioned in PQR.
- **4.** Please submit signed & stamped copy (each page) of QAP No. QA/EHA/001).
- 5. Please submit signed & stamped copy (each page) of Integrity Pact "AASSPIPR03 dtd 01/04/2022.
- 6. Please submit certificate of Minimum local content as specified in the Make In India Certificate of the tender.

ANNEXURE – 12

Authorized Signatory of the Bidder)

DECLARATION REGARDING MINIMUM LOCAL CONTENT IN LINE WITH REVISED PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA), ORDER 2017 DATED 04TH JUNE, 2020 AND SUBSEQUENT ORDER(S)

(To be typed a		bmitted in tl										
To,												
(Write Name &	Addre	ss of Officer	of BHEL inv	iting/	the Te	nder)						
Dear Sir,												
Sub : Declaration India), Order 20	_								Preferer	nce to) Ma	ke in
Ref: 1) GeM Bid 2) All othe	•	fication No: nent issues t		•••••								
We hereby certification the organization 'Class-I local su Make in India), (here)	has a local or' / 'Class I	content of _ I local sup	plier'	_ % and	d this m defined	neets the l I in Public	ocal Pro	conter	nt req	uire Prefe	ment for rence to
The details of	the	location(s)	at which	the	local	value	addition	is	made	are	as	follows:
1	_		2		_							
3	_		4		_							
Thanking you, Yours faithfully,												
								(Si	gnatur	e, Da	te 8	ર Seal of

** - Strike out whichever is not applicable.

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Note:

Framework Confidentiality Agreement cum Undertaking

This Agreement made on this the	day of (month)	20
("Effective Date") by and between	- • , , ,	
M/s BHARAT HEAVY ELECTRICALS LIMITED,	having registered	office at "BHEL
House", Siri Fort, New Delhi - 110049 (India), ac	eting through its _	Unit
(hereinafter may be referred to as "BHEL" or "the Comp	oany").	
And		
M/s (addre	ess)	
represented by authorized representative Sri		(herein after
referred to as the "Supplier").		

The Supplier and the Company may, unless the context otherwise requires, hereinafter be collectively referred to as "Parties" or singly as the "Party".

RECITALS

Whereas, BHEL is engaged in the design, engineering, manufacturing, construction, testing, commissioning and servicing of a wide range of products, systems and services for the core sectors of the economy, viz. Power, Transmission, Industry, Transportation, Renewable energy, Oil & Gas and Defence and providing associated services to varied customers in relation to which BHEL/its affiliates own valuable information of a secret and confidential nature.

Whereas the Company may, in connection with Contract(s) (as defined hereunder) placed or to be placed upon the Supplier, or otherwise, from time to time, make available, Technical Information as is defined hereunder.

And Whereas BHEL is willing to provide such Technical Information to the Supplier from time to time and the Supplier understands and acknowledges that such Technical Information is valuable for the Company and as such is willing to protect confidentiality of such information, subject to the terms and conditions set out hereunder.

Now therefore, in view of the foregoing premises and in consideration of the mutual covenants and agreements hereinafter set forth, the Parties agree as under:

1. Definitions:

Unless the context so requires, in this Agreement, the following terms will bear the meaning ascribed to the said term in this clause.

- A. "Contract" means the Contract entered into with a Supplier and includes a Purchase Order, or a Work Order for procurement of any goods or for provision of any services.
- B. "Effective Date" means the date of this Agreement as mentioned in the preamble of this Agreement.

- C. "Supplier" includes a Contractor or a Vendor of the Company whether for supplying of goods or for providing any services under a Contract or both.
- D. "Technical Information" includes Drawings, and/or Product Standards and/or Specifications and/or Corporate / Plant Specifications and/or Technological Process Sheets and/or Technical Data Sheets and/or Jigs & Fixtures and/or Pattern & Dies and/or Special Gauges and/or Tools etc. belonging to or wherein the Company has acquired from a third party a right of user and includes any improvement thereto from time to time whether carried out by the Company or by the Supplier.
- E. "Intended Purpose" means the purpose for which the Technical Information is provided to the Supplier under or in connection with a Contract.
- F. "Improvement" includes any modification made to, or adaptation of, the Technical Information which enhances or is calculated to enhance the performance (whether in terms of effectiveness or in terms of efficiency or both) of the product and/or the service to be provided by the Supplier under a Contract.
- 2. This Agreement shall come into force/deemed to have come into force, as the case may be, on the Effective Date; or, on the first date when the Technical Information or any part thereof is provided by BHEL to the Supplier; whichever is earlier.
- 3. Agreement deemed to be incorporated in each Contract: Unless and to the extent otherwise stipulated in the Contract, the conditions of this Agreement are deemed to be incorporated in all Contracts which may be entered into between the Company and the Supplier. Further, unless otherwise stipulated, the obligations under this Agreement are and will be independent of the obligations under the Contracts and such obligations of the Supplier hereunder will remain of full effect and validity notwithstanding that the period of validity of the Contracts has expired by efflux of time stipulated therein; or, the contract has been discharged by performance or breach; or, the termination of the Contracts for any reason whatsoever.

4. Ownership:

- 4.1 The Company may, from time to time, make available to the Supplier, Technical Information on a non-exclusive basis by way of loan.
- 4.2 The Supplier acknowledges and agrees that all Technical Information and copies thereof that are or may be provided by the Company to the Supplier, are and shall remain the property of BHEL or that of the concerned entity from whom BHEL has obtained the Technical Information and such Technical Information are and shall constitute trade secrets of the BHEL. Nothing in this Agreement or in any disclosures made hereunder by or on behalf of the Company shall be construed as granting upon the Supplier any patent, copyright or design or any other intellectual property rights of whatsoever description that subsists or may hereinafter exist in the Technical Information. Furthermore, nothing in this Agreement or in any disclosures made hereunder by or on behalf of the Company shall be construed as granting upon the Supplier any license or rights of use of such patent, copyright or design or any other

intellectual property rights of whatsoever description which may now or hereafter exist in the Technical Information except for use of the Technical Information strictly in accordance with this Agreement and the Contract and/or as directed in writing by the Company, solely for the Intended Purpose under the Contract.

- 4.3 Neither Party is obligated by or under this Agreement to purchase from or provide to the other Party any service or product and that any such purchase/sale of any product and/or service by one Party to the other Party will be governed by the Contract if any, that may be entered into by and between the Company and the Supplier.
- 4.4 The Supplier is/has been made well aware and acknowledges that the Technical Information being/which may be shared with it by the Company has been either generated by the Company by incurring huge investment and cost or obtained from foreign collaborators under Technical Collaboration Agreement (TCA) with stringent confidentiality conditions.
- 4.5 The Supplier agrees and undertakes to adhere to confidentiality requirements as applicable to BHEL under a TCA and also ensure that the confidentiality requirements are adhered to by all its concerned employees or sub-contractors/suppliers (where permitted to be engaged by BHEL). Any damages, losses, expenses of any description whatsoever, arising out of or in connection with a breach of the confidentiality requirements under a TCA owing to any act or omission on the part of the Supplier or its employees or sub-contractors/suppliers that is claimed by a foreign collaborator from the Company shall be wholly borne by the Supplier and it shall keep BHEL fully indemnified in this behalf. The demand by the Company shall be conclusive upon the Supplier who shall thereupon forthwith pay to the Company without demur, dispute or delay the amount as demanded without demanding any further proof thereof.
- 4.6 The Supplier agrees and undertakes that unless so decided and advised by the Company in writing all rights/title to any Improvement to the Technical Information shall vest in the Company. The Supplier undertakes and agrees to inform forthwith to the Company of any such Improvement made to the Technical Information and transfer all drawings/documents or other materials connected with such Improvement to the Company and also agrees to fully cooperate with the Company for protecting the Company's interests in such Improvement in the Technical Information including but not limited to obtaining necessary protection for the intellectual property rights in such improvement, if so desired by the Company. If a question arises whether a modification amounts to Improvement to the Technical Information, the same shall be decided by the Company and such decision shall be final and binding upon the Supplier.

5. Use and Non-Disclosure:

5.1 Unless otherwise stipulated by the Company, all Technical Information made available to the Supplier, by the Company shall be treated as Confidential irrespective of whether the same is marked or otherwise denoted to be Confidential or not.

- 5.2 The Supplier undertakes and agrees that the Technical Information in its possession shall be held in strict confidence and will be used strictly in accordance with this Agreement and solely for the Intended Purpose under the Contract. Use of the Technical Information for any other purpose other than Intended Purpose is prohibited.
- 5.3 In particular, the Supplier shall not use Technical Information or any Improvement in its possession for the manufacture or procurement of the Product(s) or components or parts thereof or use the Technical Information or any portion thereof or any modification or adaptation thereof in any form to provide any product and/or service to any third party, without the prior written consent of the Company.
- 5.4 The Supplier shall not disclose any of such Technical Information to any third party without the prior written consent of the Company. The Supplier agrees that without prior written consent of the Company, the Supplier shall not disclose to a third party about the existence of this Agreement, or of the fact that it is/was in possession of or has experience in the use of any Technical Information nor shall the Supplier share in any manner whatsoever, with a third party, the name or details of any Contract(s) awarded by the Company to it or performed by the Supplier or the scope of work thereof or share any document or correspondence by and between the Company and the Supplier in or in connection with this Agreement or such Contract(s). Notwithstanding what is stated elsewhere, the overall responsibility of any breach of the confidentiality provisions under this Agreement shall rest with the Supplier.
- 5.5 The Supplier undertakes and agrees not to make copies or extracts of and not to disclose to others any or all of the Technical Information in its possession, except as follows:
 - (a) The Supplier may disclose the Technical Information to such of its officers and employees strictly to the extent as is necessary for such officer or employee for the Intended Purpose, provided that the Confidential Information (or copies thereof) disclosed shall be marked clearly as the confidential and proprietary information of Company and that such officers and employees shall similarly be bound by undertakings of confidence, restricted use and non-disclosure in respect of the Technical Information. The Supplier shall be responsible for any breach of such confidentiality provisions by such officers and employees.
 - (b) With the prior written consent of Company, the Supplier may disclose for the Intended Purpose such Technical Information as is provided for in such consent to such of its professional advisers: consultants, insurers and subcontractors who shall be similarly bound by undertakings of confidence, restricted use and non-disclosure in respect of such Technical Information.
 - (c) The Supplier shall not be prevented to make any disclosure required by (i) order of a court of competent jurisdiction or (ii) any competent regulatory authority or agency where such disclosure is required by law, provided that where the Supplier

intends to make such disclosure, it shall first consult Company and take all reasonable steps requested by it to minimize the extent of the Technical Information disclosed and to make such disclosure in confidence and also shall cooperate with the Company in seeking any protective order or any other remedy from proper authority in this matter.

6. Exceptions:

The obligations of the Supplier pursuant to the provisions of this agreement shall not apply to any Confidential Information that:

- a) was/is known to, or in the possession of the Supplier prior to disclosure thereof by the Company;
- b) is or becomes publicly known, otherwise than as a result of a breach of this agreement by the Supplier.
- c) is developed independently of the Disclosing Party by the Supplier in circumstances that do not amount to a breach of the provisions of this Agreement or the Contract;
- d) is received from a third party in circumstances that do not result in a breach of the provisions of this Agreement.
- 7. The obligation of maintaining confidentiality of the Technical Information on each occasion, shall subsist for the entire duration during which the Technical Information / equipment is in possession of the Supplier and shall thereafter subsist for a further period of ---- years from the date when the complete Technical Information has been returned to the Company and if Technical Information has been returned in portions on different dates then, the period of ----- years will be reckoned from the date when the last portion of the Technical Information has been returned. Notwithstanding the expiry of the confidentiality obligation, the obligation of the Supplier under clause 5.4 shall continue to subsist for a further period of ----- years.

8. Warranties & Undertakings:

- a) The Supplier undertakes to ensure the due observance of the undertakings of confidence, restricted use and non-disclosure by its persons to whom it discloses or releases copies or extracts of the Technical Information.
- b) The Supplier shall keep the Technical Information or improvement made therein properly segregated and not mix up the same with any other material/documents belonging to him/it or to any other third party.
- c) The Supplier further undertakes that he/it shall not hypothecate or give on lease or otherwise alienate or do away with any of the Technical Information and/or equipment of the Company, made available to him/it, and undertakes that he/it shall hold the same as a trustee, in capacity of custodian thereof and use/utilise the same solely for the purpose of executing the Contract awarded by the Company.
- d)The Supplier further undertakes that he/it shall return all the equipment and/or Technical Information as far as practicable in the same condition in which the same was made available to him/it by the Company together with any Improvement thereon and the documents connected with such Improvement, to the Company forthwith upon completion of the scope

of work or Contract for which such Technical Information was provided by the Company to it or as directed by the Company together with a confirmation by way of an affidavit or in such manner as directed by the Company that it has not retained any equipment and/or Technical Information/Improvement thereof. In case any such equipment and/or Technical Information or Improvement thereof shall remain in his possession or is not capable of being returned, the retention and use of such Technical Information or Improvement thereto shall continue to be governed by this Agreement.

- e) The Supplier undertakes to indemnify the Company for all the direct, indirect and/or consequential losses, damages, expenses whatsoever including any consequential loss of business, profits suffered by the Company owing to breach by the Supplier of its obligations under this Agreement and/or the confidentiality requirements, if any, contained in the Contract and that the Supplier hereby agrees that the decision of the Company in all such or any such matter/s shall be final and binding on the Supplier. On mere written demand of the Company, the Supplier shall forthwith and without demur or delay pay to the Company any such sum as determined by the Company as the amount of loss or damage or expense which has been suffered by the Company. The Supplier agrees that the Company shall be entitled to withhold and appropriate any amount payable to the Supplier under any Contract then existing between the Company and the Supplier, in case the Supplier fails to make payment, in terms of the written demand, within 7 days thereof. Without prejudice to the foregoing actions, in respect to any breach of this Agreement, the Company shall be entitled to take any other action against the Supplier as per applicable laws, the Contract, Company's applicable policies, guidelines rules, procedures, etc.
- **9.** Without prejudice to any other mode of recovery as may be available to the Company for recovery of the amount determined as due as per Clause 8(e) hereinabove, the Company shall have a right to withhold, recover and appropriate the amount due towards such losses, damages, expenses, from any amount due to the Supplier in respect of any other Contract (s) placed on him/it by any department/office/Unit/Division of the said Company.

10. Arbitration & Conciliation:

a) In case amicable settlement is not reached between the Parties, in respect of any dispute or

difference or claim or controversy arising out of the formation, breach, termination, validity or execution of the Contract(or Agreement) or the respective rights and liabilities of the parties or in relation to interpretation of any provision of the Contract or in any manner touching upon the Contract, then, either Party may, by a notice in writing to the other Party refer such dispute or difference or controversy or claim, (except as to any matters, the decision of which is specifically provided for therein) to the sole arbitration by the arbitrator appointed by Head/In-Charge of the Unit/Division/Region.

- b) The Arbitrator shall pass a reasoned award and the award of the Arbitrator shall be final and binding upon the parties to the dispute.
- c) Subject as aforesaid, the provisions of Arbitration and Conciliation Act 1996 (India), or other statutory modifications or re enactments thereof and the rules made thereunder and for

the time being in force shall apply to the arbitration proceedings under this clause. The seat of arbitration shall be at ----- (Insert the name of the city/town of the concerned BHEL Unit/Division).

d) In case of Contract with Public Sector Enterprise (PSE) or a Government Department, the following shall be applicable:

In the event of any dispute or difference relating to the interpretation and application of the provisions of the Contract, such dispute or difference shall be referred to by either party to the arbitration of one of the arbitrators in the department of public enterprises to be nominated by the Secretary to the Government of India in-charge of the Department of Public Enterprises. The Arbitration and Conciliation Act, 1996 shall not be applicable to arbitration under this clause. The award of the arbitrator shall be binding upon the parties to the dispute, provided, however, any party aggrieved by such award may make further reference for setting aside or revision of the award to the Law Secretary, Department of Legal Affairs, Ministry of Law and Justice, Government of India. Upon such reference the dispute shall be decided by the Law Secretary or the Special Secretary or Additional Secretary when so authorized by the Law Secretary, whose decision shall bind the parties hereto finally and conclusively.

e) Notwithstanding the existence or any dispute or differences and/or reference for the arbitration, the Supplier shall proceed with and continue without hindrance the performance of its obligations under this Contract with due diligence and expedition in a professional manner.

11. Governing Law & Jurisdiction:

This Agreement shall be governed by and be construed as per applicable Indian Laws in force at the relevant time.

Subject to clauses 10(a) and 10(d) hereinabove, all matters in connection with the subject agreement shall be subject to exclusive jurisdiction of Courts situated at -----(insert the name of the place where the BHEL Unit/Division is located)

SIGNATURE

WITNESSES

1.

Name

Address:

2.

Name:

Address:

MANU	ACTURER'S NAME AND	ADDRESS			STANDARD QUA	LITYPLAN		TO BE FILLED BY B	91.		T	DHE	TLIDE	A BREIT
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1.8	Accessaries	Viseal		MA	Visus/Model Verification	1135	HHTL. Approval Data Short	SREEL, Approved Data Sheet	Coregionee Corefficate	4	P	٧	V	
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لمهلن.	Karnel Sehgel		980	12/12/12

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3,3	Assembled valve fixed with Accessories	Performance lost o	Valve	CR	California Ryorata. Stand, ander	10%	SHEL Approved Data Short	Sheet Oraning EMEL, Approved Data Sheet	Test Certificate	÷	P	w	W	
3,4	1 %	Packing Tightness		CR .	Packing Leaf Tost	100	Brittl, Approved Data Sheet	EREL, Approved Data Sheet	Test Certificate	<	P	w	W	
3.5		Control Valve Flor		CR	Capacity Test	One / Type	SHEEL Approved Date Sheet SSA 15.60		Test Certificate	1	r	w	W	
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4,9 PA	INTING, PRESERVATION	& PACKING												
4.1	Final Inspection	Directors & Visu		MA	Overall Dimension & Visual	100	App GA Drawing	App GA Drawing	Test Certificate		P	w	w	1
4.2	Palesteg	Paint finish color s		MA .	Visual DFT Messarement	10%	Purchase Specification	Purchase Specification			P	٧	٧	
4.3	Assembled Valve Congleteness	Marking Name Pla Teasing		MA	Marking/Note Plat & Tapping	100	Brittl, Approved Des Sheet	Data Short		-	P	w	v	
4.4	Packing	Packing List, Safet	y	MA	Vertication	100%	Castomer Spec	Customer Spec		4	P	V	v	

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Kamal Sehgal Manager,QAX

	VENDOR LIST NO.	REV.	VALID	
adanı	QA/VENDOR/C&I/001	00	TILL RELEASE OF NEXT REVISION	
Section: C&I				

Approved Vendor List of C&I Items for Projects C & I

C & I VENDOR

LIST							
SI. No	Item Name	Vendor Name	Location	BHEL Remarks (Category) A. BHEL Mfg. / B. Raw Material C. BOP Bought Outs			
		Emerson	China	PHEL Mfa			
1	DCS	Yokogava	China	BHEL Mfg.			
	565	Schineder	China	(Valmet DNA)			
		Honeywell	China				
		Vibrometer	China	BOP BOUGHT OUTS /			
2	vMAS .	Bently Nevada	China	BHEL Mfg.			
		Shinkawa	China China				
3		Beijing Envada Rosemount	China				
		Yokogawa	Japan/China	BOP BOUGHT OUTS			
	Pressure &Differential	Siemens	China				
	/level Transmitter	ABB	China				
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	E+H	Germany				
		Krohne	UK ,				
		SOR	USA				
	Pressure & Differential	UE	USA	BOP BOUGHT OUTS			
4	Pressure switch	Ashcroft	USA				
•		Magnetrol	USA				
		SIC	China	BOP BOUGHT OUTS			
5	Temperature	SAIC	China				
	elements along with	Tiankang	China				
	Thermo well			22222222			
		ABB	USA	BOP BOUGHT OUTS			
6	PLC	GE	USA				
		Siemens	Germany				
		Schneider EMG	France	BOP BOUGHT OUTS			
	Import electrical actuators	MOOG JAPAN CO	Germany Japan	BOP BOOGHT OUTS			
		ROTORK	UK				
7		Limitorque	USA				
	actuators	Sipos	Germany				
		Auma	Germany				
		Rosemount	UK / US /				
			Germany				
8	SWAS	Swan	Switz erland	BOP BOUGHT OUTS			
	Analyzer	HACH-Polymetron	France				
		ABB	USA				
		E&H	Germany	BOP BOUGHT OUTS			
		Rosemount	UK				
		Krohne	UK				
9	Ultrasonic level	ABB	Germany				
	transmitter	Siemens	Germany				
		SIC	China				
		PRINCO	USA				
		SOR	USA				
		UE	USA	BOP BOUGHT OUTS			
	Level switch (radio	Siemens	China				
1	frequency)	E&H	China	 			
0		ABB Ashgroft	Germany	 			
•		Ashcroft	USA USA				
		Magnetrol E&H	Germany				
		Rosemount	UK	BOP BOUGHT OUTS			
	l	Krohne	UK				
	Radartyne level	THE STREET	OIX				
1	, , ,		lusa				
1	Radar type level transmitter	Magnetrol	USA China				
		Magnetrol Siemens	China				
		Magnetrol Siemens PRINCO	China USA	BOP BOUGHT OUTS			
	transmitter	Magnetrol Siemens	China	BOP BOUGHT OUTS			
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	transmitter	Magnetrol Siemens PRINCO ABB Emerson	China USA Germany China	BOP BOUGHT OUTS			
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1 1 2	transmitter Mass Flow Meter	Magnetrol Siemens PRINCO ABB Emerson E+H Krohne Magnetrol E+H	China USA Germany China Switz erland Germany USA Germany				
1 .	transmitter	Magnetrol Siemens PRINCO ABB Emerson E+H Krohne Magnetrol	China USA Germany China Switz erland Germany USA				

	CEMS (Qingdao Yijiehongli Technology Co Ltd	China	BOP BOUGHT OUTS	
1	Continuous		China	-	
4	Emission Monitoring	Chongqing Analyzer Co Ltd	Cimia		
	System)				
	,	Nanjing Dakai Electric Power Automation	China	BOP BOUGHT OUTS	
		Equipment			
1	BOP Bought	Co., Ltd.			
5		Nanjing Green Energy Electric Equipment Co.,	China		
-	Detection Device	Ltd.	China	<u> </u>	
		Zhongyu Automation Co., Ltd. Nanjing Dakai Electric Power Automation	China	BOP BOUGHT OUTS	
		Equipment	Cimia	Boi Boodiii oo is	
	Unburnt Carbon/Ash Analyzer	l · ·			
		Nanjing Green Energy Electric Equipment Co.,	China		
		Ltd.		_	
	CONDUCTIVITY TYPE	Zhongyu Automation Co., Ltd.	China China	BOP BOUGHT OUTS	
1	LEVEL SWITCH	Capstar	China		
7		Jiangyin Jiyang Instrument Co. Ltd.	China	BOP BOUGHT OUTS	
		Jiangyin Tanan Flow Instrument Factory	China		
	Flow element such as	land in the state of the state	Cimia		
1 8	Nozzle Orifice / pitot	Chongqi g Chuanyi Automation Co., Ltd.	China	7	
J	tube / venturi				
		Jiangyin Hongda Instrument Co.,Ltd.	China	DOD BOLIGIES COM	
4	Instrument valve	SAFELOK SWAGELOK	UK USA	BOP BOUGHT OUTS	
1 9	instrument valve	PARKER	USA	1	
		Hensel	China	BOP BOUGHT OUTS	
_	INSTRUMENT JUNCTIO N BOX	SAFELOK	UK]	
2 0	FITTINGS	SWAGELOK	USA		
	111111103	PARKER	USA		
		Vibro System MC Monitoring	Canada SWITZERLAND	BHEL Mfg.	
		Shinkawa	Japan	 	
	Vibration Monitoring system for Turbine	Bentley Niveda	USA	-	
		MEGITT (Vibrometer)	Switzerland		
2			USA		
1		SKF	USA		
		GE Forbes Marshall	Pune Pune	_	
		Megitt (Vibrometer)	Bangalore	-	
		Rockwell Automation	Sahibabad		
		SKF	Pune		
		Asco	Chennai/USA	BOP BOUGHT OUTS	
		Festo SMC	Bangalore Noida	-	
		Parker	Brand Name	†	
2	Solenoid Valves	Rotex	Vadodara		
2		Avcon	Mumabi		
		Herion	Germany		
		IMI NORGEN	GERMANY	BOP BOUGHT OUTS	
		EMERSON (Rosemount) YOKOGAWA	USA/ Pawane JAPAN		
		Yokogawa India Pvt. Ltd.	Bangalore	1	
	Floatron:	ABB	Bangalore]	
2	Electronic transmitters	ABB	GERMANY / Italy	_	
3	(pressure, DP & flow)	Siemens	France / India	4	
		Honeywell ENDRESS & HOUSER	Pune Aurangabad/	-	
		ELADICESS & HOUSEK	Germany		
		E&H	Aurangabad/	BOP BOUGHT OUTS	
			Germany	_	
		EMERSON ENTERONIES	Pawane	4	
		SIEMENS MILTRONICS	CANADA Germany	4	
2	Ultrasonic type level	Wega Khrone	France / USA /	+	
4	Transmitter		Pune		
		Yokogawa	Bangalore		
		Honeywell	India		
		Magnetrol	Belgium	4	
		ABB Magnetrol	Germany Belgium	BOP BOUGHT OUTS	
		Endress & Houser	Germany/		
			Aurangabad		
3	Guided waveRadar	Emerson	Sweden/	7	
2 5	type level		PAWANE		
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Variable Japan				_		
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Full Description			Yamatake	JAPAN		
BUIL S.ECTSIC Beautiful Both			Yamari			
ENDERS & ROUSER Averagabed BOP ROUGHT OUTS						
MACHETIPOL SECOUM CUCK TOOL FATA			FUJI ELECTRIC	Japan / China		
Level switch			ENDRESS & HOUSER	Aurangabad	BOP BOUGHT OUTS	
Level switch- compositions Section Secti			MAGNETROL	BELGIUM		
A			LEVCON	KOLKATA		
Temperature Au LOUAL New Uell's Ne						
Secretary Secr		capacitance	V AUTOMAT	New Delhi		
Rosemount	/	type	Siemens	Germany		
Exercision			ABB	Korea		
Variety Vari			Rosemount	Korea		
Service Serv			EMERSON	UK	BOP BOUGHT OUTS	
Service Serv		Laurel and the Control	Yarway			
Box						
ENDRESS & HOUSE AURANAGRAD BOP BOUGHT OUTS	8	туре				
MACANETROL SELGUM MACATA					BOP BOUGHT OUTS	
Level switch- Float/DisplacerType SSEM PUNE						
Plost/DisplacerType SEBM		Level switch -			 	
NAME		1			 	
Signa Industries Mubmai	9	1 loud/Displacer Type				
Level switch- Level switch- Float/Displacer Type EMESCON Paware P						
Level switch Float/DisplaceType EMERSON Pawane			<u> </u>		BOP BOUGHT OUTS	
Float/Displacer Type		Level switch -				
Tokolo Kelso	3					
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DEESSOR ASHCROFT)					ROP BOLIGHT OUTS	
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DP Switch		DP Switch				
Switzer Process Instrument					 	
Delta control UK						
Gauges Bourdon (GIC)	1					
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Gorgeion					<u> </u>	
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HERAUS SENSOR GERMANY BOP BOUGHT OUTS						
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Detriv Instrumentation & Electronics			· · · · · · · · · · · · · · · · · · ·			
Thermocouples, RTD & Thermosell			,			
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Yamari			Minco	USA		
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Yamari						
ABB(SENSYCON) Germany	2					
EMERSON (Rosemount) Germany						
Thermal Instruments(GIC)						
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ON POWER SECTION AND STEEL OF GRAMA AND CAS,	Explairy signed by Hemanshi Singhal The C-In, C-Bearret Hemot Electricals Limited, No-Power Section Married (Thermal And GAS), S. 4. 20—7019/14/00032 27/8855277/HS-64664-00004-00		Yokogawa	Japan		
JA LOD-INTO AND	88efe9e75/9a578255426, postalCode=110049, st=0ELHL		Gossen / Metrowatt / Camille Bauer	Germany		
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1 -	Dissitat Indiantasa	Chino	Janan	1	1
3 4	Digital Indicators	Weigell Messgerate	Japan Germany	- 	
		Pyrotech	Udaipur	-	
		Yokogawa	Bangalore	7	
		Lektrotek	Pune		
		Teletherm	Chennai		
		Instrumentation Limited	Palghat	BOP BOUGHT OUTS	
	BREAKDOWN	Microprecision Starmech	Faridabad Pune		
3	ORIFICE/RESTRICTED ORIFICE/ Orifice plate	Flow Star	Faridabad	- 	
5	assembly	Engg. Specialities	Kolkata	7	
	,	Pyroelectric	Mumbai	7	
		Pyrotech	Udaipur	BOP BOUGHT OUTS	
		Instrumentation Limited	Kota	_	
3	Local Instrument	Sajas electrical Forbes Marshall	Trichurapalli Pune		
6	Enclosure/Rack	Prammen	Puddukottai	- 	
		Chemin	Pondicherry	7	
		V-Automat	NewDelhi	BOP BOUGHT OUTS	
		Kubler	Germany		
3	Level Gauges	WIKA	PUNE	_	
7		Magnetrol	Belgium	<u> </u>	
		Khrone E & H	Germany Aurangabad	\dashv	
		PLACKA INSTS &	Adrangabad	BOP BOUGHT OUTS	
		CONTROLS PVT. LTD			
		SHAVO NORGEN (INDIA)		7	
	AIR FILTER	PVT LTD			
3 8	REGULATOR	OMAL			
		MASONEILAN		_	
		AirTAC International Group	Taiwan/China	_	
		Liangjing Group MINILEC (INDIA) PVT. LTD.	China PUNE	BOP BOUGHT OUTS	
		PROCON	TONE		
3	ANNUNCIATION	MASIBUS			
9	SYSTEM	APLAB	MUMBAI		
	ANTI SURGE	MTL		BOP BOUGHT OUTS	
4	CONTROLLER	PHOENIX		<u> </u>	
0		P&F		BOP BOUGHT OUTS	
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		LIBRA		\dashv	
		SCHENK		7	
1 ,		IPA-BANGLORE			
1	BELIWEIGHER	RAMSEY			
		Shanghai Yamato Scale Co., Ltd.	China		
		Xuzhou Sanyuan Weighing	China		
		Technology Co., Ltd. Saimo Electric	China		
		PHOENIX	C.IIIId	BOP BOUGHT OUTS	
		LAMDA		7	
		SIEMENS			
		COSEL		<u>_</u>	
4	BULK POWER SUPPLIES	PEPPERL + FUCHS		_	
2	SUPPLIES	WEIDMULLER Netop Telecom	China	\dashv	
		Zhejiang Donghua Information Control	China	\dashv	
		Technology Co., Ltd.	C.i.i.d		
		EMERSON	INDIA	BOP BOUGHT OUTS	
,	BUNKER LEVEL	EIP TECH	INDIA		
3	MONITORING (3D)	APM		<u> </u>	
		EMERSON	China/Other Country	BOP BOUGHT OUTS	
		TRAC		BOP BOUGHT OUTS	
	BYPASS	FORBES MARSHALL		\dashv	
4	ROTAMETER	Shanghai Automation Instrumentation	China	7	
		EMERSON			
		TOSHNIWAL INDUSTRIES	INDIA	NOT IN SCOPE	
		PVT. LTD.		_	
		SCHNEIDER		_	
4	CCTV SYSTEM	HONEYWELL TYCO		\dashv	
5		PELCO		\dashv	
		XYCOM		\dashv	
		HACH ULTRA		BOP BOUGHT OUTS	
		EMERSON PROCESS			
4	CHLORINE	MANAGEMENT		_	
l 6	ANALYSER	ABB		_	
Egislly agned by Hamanch II Singhal. Ric-IN, G-Bludat Heavy Electricals Limited, Ric-IN, G-Bludat Heavy Electricals Limited, Ri-Power Sector Marrier (Infermal, And Car), S. 470—1707-470-4000237/85645737/8564568685504dac6 8elfolo75/845/8255426, postalCode—110000, st—DELHL		POLYMETRON PROMECON	GERMANY	BOP BOUGHT OUTS	+
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			DADE TECH	CHINA		
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		COAL MASS FLOW	EUTECH SCIENTIFIC ENGG	GERMANY		
	4	COAL MASS FLOW MONITOR	GMBH TRANSWEING	INDIA	_	
	7		GREEN BANK ENERGY	UK	- 	
			SYSTEM			
			BERTHOLD	GERMANY		
			TECHNOLOGIES			
	4		DELL HP		#refer note	
	8		LENOVO		7	
		PC / LAPTOP				
			ABB HACH ULTRA		BOP BOUGHT OUTS	
			POLYMETRON		- 	
	4		YOKOGAWA		7	
	9		EMERSON PROCESS			
			MANAGEMENT			
			TELEMECHANIQUE SIEMENS		#refer note	
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	5 o	I CONTACTORS I	L&T			
	J		JYOTI			
<u> </u>			CHNT (Zhengjiang Chint)	China		
			PROCON INST LTD POSITRONICS	VADODARA	\dashv	
			RITTAL	BANGALORE	#refer note	
	F	CONTROL PANEL	PYROTECH	UDAIPUR	#Telef flote	
	5 1		Shanghai Institute of Process	China		
			Automation Instrumentation Beijing Far East Instrument Co., Ltd.	China	_	
			Xi'an Xingyi Control System Co., Ltd.	China	- 	
			ALCOBEX, JODH PUR		NOT IN SCOPE	
			ASSOCIATED CABLES LTD			
			AUTO CLAVE ENGINEERS FLUID			
	5 2		COMPONENTS USA EXCELL HYDRO		- 	
			PNEUMATIC PVT LTD MUMBAI			
			MULTI METALS KOTA			
			PLACKA INSTRUMENTS &			
			CONTROLS SWAGELOK		- 	
			Jiangxi Copper Corporation	CHINA	- 	
			FORBES MARSHALL		BOP BOUGHT OUTS	
			YOKOGAWA			
		CONTINUIOUS	CHEMTROL ABB		- 	
		EMISSION	DURAG		- 	
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	3	0-10-1MEDCUD	LAND COMBUSTION		_	
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		W/PRESSURE/	CHONGQING ANALYZER CO. LTD	CHINA		
		MOISTURE)	CODEL	UK		
		,	EMERSON		BHEL Mfd.	
			YOKOGAWA			
			SCHNEIDER (FORMERLY			
		·	KNOWN AS INVENSYS) SIEMENS		-	
	5		MHI -L&T		_	
	4		HONEYWELL			
			GE		_	
			MAXDNA / Valmet DNA ABB		\dashv	
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	5 5	ANALYSER	YOKOGAWA		4	
			HONEYWELL ABB		\dashv	
├			EPSON		BOP BOUGHT OUTS	
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HIMANSHU	HU SINGHAL FELETIRCALS LIMITED, TING (THERMAL AND GAS), 78583577876545454	l '	HIRSCHMANN		_	
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		PLACKA INSTRUMENTS &		BOP BOUGHT OUTS	
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		ASTECH			
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5 8	1111111405	HEX			
		OLIVER			
		BALDOTA			
		METPRESS ENGG	KOLKATA		
		H P VALVES & FITTINGS			
		PARKER	USA		
		ABB		BOP BOUGHT OUTS	
		DURAG			
5	FLAME SCANNER	FORNEY			
9		LUCENT			
		SAFE FIRE			
		DANIEL FLOW PRODUCTS		BOP BOUGHT OUTS	
		INC. USA			
		ILP	PALAKKAD		
		STAR MAKE CONTROL (I)			
		PVT LTD			
		SWITZER			
	_	EMERSON			
6	EL VIVI EL EMENTS	MID-WEST	USA	\dashv	
0		ENGGSPECIALITIES	KOLKATA	\dashv	
		PRECISION ENGINEERING		\dashv	
		BRISTAL BABCOCK	UK	\dashv	
		MICRO PRECISION		\dashv	
		Jiangyin Throtlling Device	CHINA	\dashv	
		Chongqing Weiba Instrument Co.,	CHINA	\dashv	
		ABB	CIMA	BOP BOUGHT OUTS	
		E&H			
				 	
6	FLOW METER	KROHNE		 	
1		YOKOGAWA	CHINA	 	
		Shanghai Automation Instrumentation	CHINA		
		EMERSON	1104	BOP BOUGHT OUTS	
	FLIDNACE CAS	SCHENTIFIC ENGG	USA	BOP BOUGHT OUTS	
		BONNENBERG+DRESCHE	GERMANY		
		R	10.1514.0.00	_	
6		DIAMOND POWER	INDIA/UK		
2		SPECIALITY LTD			
		CLYDE BERGEMAN	INDIA/USA/GERMAN		
		CONE CANADA INC	USA		
		DIAMOND POWER	CHINA	BOP BOUGHT OUTS	
		SERTEL		BOF BOUGHT OUTS	
		AMDL HOPF		\dashv	
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		MEINBERG		\dashv	
6	CBC CLOCK	MASSIBUS Vilan Synchronization Electronics	CHINA	 	
3		Xi'an Synchronization Electronics		\dashv	
		Yantai Chijiu Clock and Watches	CHINA		
		Group Co., Ltd.	CLUNA	- 	
		ELECSPN (CHENGDU SPACEON	CHINA		
		ELECTRONICS CO., LTD.)		DOD DOLLGYTT CLITT	
	HYDRAZINE	HACH ULTRA		BOP BOUGHT OUTS	
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6 5	IMPULSE PIPINGS	INDIAN SEAMLESS METAL			
		SUMITOMO	JAPAN		
		TPS TECHNITUBE	GERMANY		
		ISMT	AHMEDNAGAR		
		BHEL	TRICHY		
		RATNAMONI	AHMEDABAD		
		ASTECH			
		Chongqing Chuanyu Instrument	CHINA		
		Jiangsu Dalicheng	CHINA	\dashv	
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		COMEX			
Speed by Highware status as	INDICATING LAMPS	COMEX JAINSON		#refer note	
	(CLUSTER LEDe)	COMEX JAINSON PARAMOUNT		#refer note	
p sport to HAMAGO I STAGLIJA. K. BERNOOT EROTTE ETTERE ELEMETE. 1. THE TALL AND THE THE THE TALL AND THE THE TALL AND THE THE TALL AND THE TALL AN	(CLUSTER LEDe)	COMEX JAINSON		#refer note	

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6	COMBUSTION	STEAG			
7	OPTIMIZATION	SIEMENS			
	SYSTEM	EUTECH GMBH			
		BALIGA LIGHTING		BOP BOUGHT OUTS	
		EQUIPMENTS LTD.			
		CEAG FLAME PROOF			
		CONTROL GEARS			
		FLEXPRO ELECTRICALS			
		PVT LTD			
6	INSTRUMENT	RITTAL			
8	JUNCTION	PYROTECH	UDAIPUR		
	BOXES	SAJAS	TRICHY		
		K.S. INDUSTRIES ELECTRO-MECHANICAL	BANGALORE		
		Sichuan Jiuzhou Wire and Cable Co.,	KOLKATA CHINA		
		Haian Sanxing Auto Instrument	CHINA		
		Chongqing Chuanyu Instrument	CHINA		
		JYOTI	CHIVA		
		H & B			
		OMRON			
]		TYCO		#refer note	
]	INTERROCING	TELEMECHANIQUE			
6	INTERPOSING RELAYS/	SIEMENS			
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		CHNT (Zhengjiang Chint)	CHINA	\longrightarrow	
		Kunming Zhanyuan Tech.	CHINA	DOD DOLLOVIII OVIII	
		ASTEC INSTRUMENTS,		BOP BOUGHT OUTS	
		MUMBAI CHEMTROLS ENGG. PVT			
		LTD			
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		TECHNOMATIC			
		SWAGELOK		 	
7	& MANIFOLDS	EXCEL HYDRO	MUMBAI		
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		METPRESS	KOLKATA		
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		AUR INC			
		BHEL	TRICHY		
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		EMERSON PROCESS		BOP BOUGHT OUTS	
		MANAGEMENT		 	
		MOORE CONTROLS LTD			
		(FM) MTL		$\overline{}$	
		YOKOGAWA		 	
7	I/P CONVERTOR	FORBES MARSHALL		 	
1		WATSON SMITH			
		SMC PNEUMATIC			
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7	LIMIT SWITCH	SCHNEIDER		#refer note	
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		CHEMIN CONTROLS AND		BOP BOUGHT OUTS	
		INSTRUMENTATION LTD			
İ		PRAMMEN INDUSTRIES			
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7	1	P.LTD (UNIT-II)			
4	NT RACK	SAJAS ELECTRICALS			
		SYSPRO AUTOMATION			
		Xi'an Xingyi Control System Co.,Ltd.	CHINA		
		ABB		BOP BOUGHT OUTS	
I	MAGNETIC FLOW	E&H			
Egned by HEMANSHU SINGHAL BERINART HEAVY ELECTRICALS LIMITED, RESECTOR MANGETING (THERMAL AND GAS), 7019767649032a7858357375bd569bd85599dac6	METERS	FORBES MARSHALL		_	
2004278225428, postalCode=110049, st=DELHL, 1004074.072527914.0867380220C124C7916 886C5C00774000798056, cn=HMANSHU SINGHAL 3.07/02 13-28/08 ±05'30'		YOKOGAWA EMERSON		\rightarrow	
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		ABB		BOP BOUGHT OUTS	
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	PRINCIPLE)	HONEYWELL LTD			
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		ABB	GERMANY	BOP BOUGHT OUTS	
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		PVT LTD			
7	MICROPROCESSOR	HONEYWELL			
7	BASED RECORDERS	GOSSEN			
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		YOKOGAWA			
		HACH ULTRA		BOP BOUGHT OUTS	
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7		HONEYWELL			
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8	PH ANALYSER	YOKOGAWA		- 	
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	BBOCBAMMABI E	SIEMENS			
8	LOGIC	SCHNEIDER			
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		HOLLYSYS			
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		ABB	BANGALORE		
		SIEMENS	MUMBAI		
		L&T SCHNEIDER	MUMBAI DELHI		
8		ROCKWELL AUTOMATION	SAHIBABAD		
2		AMTECH ELECTRONICS	GANDHINAGAR		
		INDIA LTD	GANDHINAGAR		
		The same brand as above	CHINA		
		Xi'an Xingyi Control System Co.,Ltd.	CHINA		
		HONEYWELL	UK/USA	BOP BOUGHT OUTS	
8	POSITION	ABB	GERMANY	Bor Boodin cers	
3	TRANSMITTER	DEA(Dongfang Electric Auto Control)	CHINA		
		ASHCROFT	C. III V.	BOP BOUGHT OUTS	
		FORBES MARSHALL			
		GENERAL INST			
		CONSORTIUM			
		WAAREE INSTRUMENTS			
		LIMITED			
		WIKA INSTRUMENTS			
		INDIA PVT. LTD.			
		FIEBIG MANOMETER (I)			
		PVT. LTD			
		SWITZER INSTRUMENTS			
		A.N. INSTRUMENTS PVT			
	PRESSURE GAUGE /	LTD			
8	DP GAUGE	H GURU INSTRUMENTS (SI) P. LTD			
4					
		GOA THERMOSTATIC INSTRUMENTS PVT LTD.			
		BUDENBERG			
		PYRO ELECTRIC		- 	
		GLUCK		 	
		PYRO ELECTRIC			
		Anhui Tiankang	CHINA		
		Chongqing Chuanyi Automation	CHINA		
		Shanghai Automation Instrumentation	CHINA		
		Co.Ltd			
		Jiangshu Huibang Control System	CHINA		
1		Co.,Ltd.			
zigitally aigned by HIMANCH U SINCHAL NK c-NH, c-BHUMAT HEAVY ELECTRICALS LIMITED, NH-OWER SECTOR MARKETING (FHERMAL AND GAS), 15.4 (20-7109767) odd000320785885737F56459064668 BellivanTybles 75554548, costalockul-1106864 on-pice us-		BALIGA		BOP BOUGHT OUTS	
eris/Number-11:CA699CAE7253F91AA86798C2DC124C791E XE1802958ECSC9077408D7F883E6, cn-HIMANSHJ SINGHAL 2006-2023.07/2213-28:08 ±05°207		OMRON			

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		HONEYWELL			
8	PROXIMITY TYPE	P&F			
5	LIMIT	CHNT (Zhengjiang Chint)	CHINA		
	SWITCH	SCHNEIDER			
		SUKONG LIUTI	CHINA		
		JAYSHREE		NOT IN SCOPE	
		A.G. MECH			
_		PROCONTROL			
8	PULLCORD / BELT	SIEMENS			
6	SWAY	KAKKU		7	
		P.G. ELECTRONICS		- 	
		ABB		BOP BOUGHT OUTS	
		EUREKA INDUSTRIES			
		EQUIPMENTS PVT. LTD.			
		INSTRUMENTATION ENGS		- 	
		PVT LTD			
	INLINE ROTAMETER/	KROHNE	+	- 	
8	VARIABLE AREA	PLACKA INSTRUMENTS &		- 	
7	FLOWMETER	CONTROLS			
			DUNE	- 	
		TRAC EQUIPMENTS PVT LTD	PUNE	 	
		Shanghai Automation Instrumentation	CHINA	_	
		EMERSON		_	
		Chongqing Weiba Instrument	CHINA	Nom By GGODE	
_		MTL		NOT IN SCOPE	
8	SAFETY BARRIER	P&F		_	
8		PHOENIX			
		HACH ULTRA		BOP BOUGHT OUTS	
		EMERSON PROCESS			
8	SILICA ANALYSER				
9		ABB			
		POLYMETRON			
	CINICI E LOOP	ABB		BOP BOUGHT OUTS	
	SINGLE LOOP			_	
9	PROGRAM	HONEYWELL			
0	CONTROLLER	YOKOGAWA		 	
	/ INDICATING	TOROGAWA			
	CONTROLLERS				
		EMERSON		BOP BOUGHT OUTS	
				_	
		YOKOGAWA		<u> </u>	
9	SMART	ABB		_	
1	POSITIONERS	MOORE			
_	- CONTROLLENS	MTL			
		FORBES MARSHALL			
		SIEMENS			

	T	I	T	DOD DOLLGUE OLUEG
		ABB		BOP BOUGHT OUTS
		E&H	LABANI	
		FUJI HONEYWELL	JAPAN	
		EMERSON PROCESS	+	
92	SMARTTRANSMITTER (P,	MANAGEMENT		
92	L, F, DP)	YOKOGAWA		
		Yokogawa Sichuan Instrument Co.,	CHINA	
		Chongqing Chuanyi Automation	CHINA	
		Shanghai Automation Instrumentation	CHINA	
		Co.Ltd		
		ASCO		BOP BOUGHT OUTS
		VICKERS		
		ROTEX		
		SCHRADER		
93	SOLENOID VALVES	REXROTH		
		UK FLYGER VALVE CO.,LTD.	UK	
		Shanghai Automation Instrumentation	CHINA	
		Co.Ltd		
		CHNT (Zhengjiang Chint)	CHINA	BOP BOUGHT OUTS
		HACH ULTRA		BOP BOUGHT OUTS
94	SODIUM ANALYSER	FORBES MARSHALL ABB		
		YOKOGAWA		
		MTL		
95	SURGE ABSORBER	WEIDMULLER		#refer note
33	J J K J L A J J O K D L K	P&F		
		FORBES MARSHALL		BOP BOUGHT OUTS
		EMERSON		
		YOKOGAWA		
		ABB	USA	
		STEAM EQUIPMENTS PVT. LTD.		
	SWAS SYSTEM	ROSEMOUNT	UK/US/GERMANY	
96		SWAN	SWITZERLAND	
		HACH-POLYMETRON	FRANCE	
		POLYMETRON		
		PHONEIX CONTACT		
		WAGO		
		CONNECTWELL		
		ELMEX		DON DOLICHT OUTS
		ASHCROFT		BOP BOUGHT OUTS
		FORBES MARSHALL		
		GENERAL INST CONSORTIUM		
		WAAREE INSTRUMENTS	+	
		LIMITED		
		WIKA INSTRUMENTS		
		INDIA PVT. LTD.		
		FIEBIG MANOMETER (I)		
		PVT. LTD		
97	TEMPERATURE GAUGES	SWITZER INSTRUMENTS		
		PYRO ELECTRIC		
		A.N. INSTRUMENTS PVT		
	1	LTD		
		Anhui Tiankang	CHINA	
		Chongqing Chuanyi Automation	CHINA	
		Chongqing Chuanyi Automation Shanghai Automation Instrumentation		
		Chongqing Chuanyi Automation Shanghai Automation Instrumentation Co.Ltd	CHINA CHINA	
		Chongqing Chuanyi Automation Shanghai Automation Instrumentation Co.Ltd Jiangshu Huibang Control System	CHINA	
		Chongqing Chuanyi Automation Shanghai Automation Instrumentation Co.Ltd Jiangshu Huibang Control System Co.,Ltd.	CHINA CHINA	DOD DOLLGUE OVERS
		Chongqing Chuanyi Automation Shanghai Automation Instrumentation Co.Ltd Jiangshu Huibang Control System Co.,Ltd. ASHCROFT	CHINA CHINA	BOP BOUGHT OUTS
		Chongqing Chuanyi Automation Shanghai Automation Instrumentation Co.Ltd Jiangshu Huibang Control System Co.,Ltd. ASHCROFT SWITZER INSTRUMENTS	CHINA CHINA	BOP BOUGHT OUTS
0.0	TEMPERATURE	Chongqing Chuanyi Automation Shanghai Automation Instrumentation Co.Ltd Jiangshu Huibang Control System Co.,Ltd. ASHCROFT SWITZER INSTRUMENTS WAAREE INSTRUMENTS	CHINA CHINA	BOP BOUGHT OUTS
98	TEMPERATURE SWITCHES	Chongqing Chuanyi Automation Shanghai Automation Instrumentation Co.Ltd Jiangshu Huibang Control System Co.,Ltd. ASHCROFT SWITZER INSTRUMENTS WAAREE INSTRUMENTS LIMITED	CHINA CHINA	BOP BOUGHT OUTS
98		Chongqing Chuanyi Automation Shanghai Automation Instrumentation Co.Ltd Jiangshu Huibang Control System Co.,Ltd. ASHCROFT SWITZER INSTRUMENTS WAAREE INSTRUMENTS LIMITED SOR	CHINA CHINA	BOP BOUGHT OUTS
98		Chongqing Chuanyi Automation Shanghai Automation Instrumentation Co.Ltd Jiangshu Huibang Control System Co.,Ltd. ASHCROFT SWITZER INSTRUMENTS WAAREE INSTRUMENTS LIMITED SOR PYROELECTRIC	CHINA CHINA	BOP BOUGHT OUTS
98		Chongqing Chuanyi Automation Shanghai Automation Instrumentation Co.Ltd Jiangshu Huibang Control System Co.,Ltd. ASHCROFT SWITZER INSTRUMENTS WAAREE INSTRUMENTS LIMITED SOR PYROELECTRIC TEMPSON	CHINA CHINA	BOP BOUGHT OUTS BOP BOUGHT OUTS
98		Chongqing Chuanyi Automation Shanghai Automation Instrumentation Co.Ltd Jiangshu Huibang Control System Co.,Ltd. ASHCROFT SWITZER INSTRUMENTS WAAREE INSTRUMENTS LIMITED SOR PYROELECTRIC	CHINA CHINA	
	SWITCHES	Chongqing Chuanyi Automation Shanghai Automation Instrumentation Co.Ltd Jiangshu Huibang Control System Co.,Ltd. ASHCROFT SWITZER INSTRUMENTS WAAREE INSTRUMENTS LIMITED SOR PYROELECTRIC TEMPSON HACH ULTRA	CHINA CHINA	
98		Chongqing Chuanyi Automation Shanghai Automation Instrumentation Co.Ltd Jiangshu Huibang Control System Co.,Ltd. ASHCROFT SWITZER INSTRUMENTS WAAREE INSTRUMENTS LIMITED SOR PYROELECTRIC TEMPSON HACH ULTRA YOKOGAWA	CHINA CHINA	
	SWITCHES	Chongqing Chuanyi Automation Shanghai Automation Instrumentation Co.Ltd Jiangshu Huibang Control System Co.,Ltd. ASHCROFT SWITZER INSTRUMENTS WAAREE INSTRUMENTS LIMITED SOR PYROELECTRIC TEMPSON HACH ULTRA YOKOGAWA EMERSON	CHINA CHINA	
	SWITCHES	Chongqing Chuanyi Automation Shanghai Automation Instrumentation Co.Ltd Jiangshu Huibang Control System Co.,Ltd. ASHCROFT SWITZER INSTRUMENTS WAAREE INSTRUMENTS LIMITED SOR PYROELECTRIC TEMPSON HACH ULTRA YOKOGAWA EMERSON ABB	CHINA CHINA	
	SWITCHES	Chongqing Chuanyi Automation Shanghai Automation Instrumentation Co.Ltd Jiangshu Huibang Control System Co.,Ltd. ASHCROFT SWITZER INSTRUMENTS WAAREE INSTRUMENTS LIMITED SOR PYROELECTRIC TEMPSON HACH ULTRA YOKOGAWA EMERSON ABB FORBES MARSHALL	CHINA CHINA	
	SWITCHES TURBIDITY ANALYSER	Chongqing Chuanyi Automation Shanghai Automation Instrumentation Co.Ltd Jiangshu Huibang Control System Co.,Ltd. ASHCROFT SWITZER INSTRUMENTS WAAREE INSTRUMENTS LIMITED SOR PYROELECTRIC TEMPSON HACH ULTRA YOKOGAWA EMERSON ABB FORBES MARSHALL POLYMETRON	CHINA CHINA	BOP BOUGHT OUTS
	SWITCHES TURBIDITY ANALYSER ULTRASONIC	Chongqing Chuanyi Automation Shanghai Automation Instrumentation Co.Ltd Jiangshu Huibang Control System Co.,Ltd. ASHCROFT SWITZER INSTRUMENTS WAAREE INSTRUMENTS LIMITED SOR PYROELECTRIC TEMPSON HACH ULTRA YOKOGAWA EMERSON ABB FORBES MARSHALL POLYMETRON FORBES MARSHALL	CHINA CHINA	BOP BOUGHT OUTS
99	SWITCHES TURBIDITY ANALYSER	Chongqing Chuanyi Automation Shanghai Automation Instrumentation Co.Ltd Jiangshu Huibang Control System Co.,Ltd. ASHCROFT SWITZER INSTRUMENTS WAAREE INSTRUMENTS LIMITED SOR PYROELECTRIC TEMPSON HACH ULTRA YOKOGAWA EMERSON ABB FORBES MARSHALL POLYMETRON FORBES MARSHALL YOKOGAWA	CHINA CHINA	BOP BOUGHT OUTS
99	SWITCHES TURBIDITY ANALYSER ULTRASONIC	Chongqing Chuanyi Automation Shanghai Automation Instrumentation Co.Ltd Jiangshu Huibang Control System Co.,Ltd. ASHCROFT SWITZER INSTRUMENTS WAAREE INSTRUMENTS LIMITED SOR PYROELECTRIC TEMPSON HACH ULTRA YOKOGAWA EMERSON ABB FORBES MARSHALL POLYMETRON FORBES MARSHALL YOKOGAWA E&H EMERSON PROCESS MANAGEMENT	CHINA CHINA CHINA	BOP BOUGHT OUTS BOP BOUGHT OUTS
99	SWITCHES TURBIDITY ANALYSER ULTRASONIC	Chongqing Chuanyi Automation Shanghai Automation Instrumentation Co.Ltd Jiangshu Huibang Control System Co.,Ltd. ASHCROFT SWITZER INSTRUMENTS WAAREE INSTRUMENTS LIMITED SOR PYROELECTRIC TEMPSON HACH ULTRA YOKOGAWA EMERSON ABB FORBES MARSHALL POLYMETRON FORBES MARSHALL YOKOGAWA E&H EMERSON PROCESS	CHINA CHINA	BOP BOUGHT OUTS

101	UNBURNT CARBON IN	SCANTECH	AUSTRALIA	
	ASH ANALYZER	Nanjing Dakai Electric Power	CHINA	
		Automatization Equipment Co., Ltd		
		JAYSHREE		BOP BOUGHT OUTS
	LINIDED DEL T CANTELL	A.G. MECH		
102	UNDER BELT SWITCH	PROCONTROL		
		SIEMENS		
		SHINKAWA		BOP BOUGHT
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	BENTLEY		OUTS /
103	VIBRATION	NADA		
	TRANSMITTER	MATRIX		#refer note
		EMERSON		
		ABB		BOP BOUGHT OUTS
		E&H		
104	VORTEX FLOW METER	FORBES MARSHALL		
		YOKOGAWA		
		EMERSON		
		PARAMATRICS		BOP BOUGHT OUTS
		JAYSHREE		
105	ZERO SPEED SWITCHES	PYROTECH ELECTRONICS		
		PROCONTROL		
		YOKOGAWA		BOP BOUGHT OUTS
		FLUKE		
		SCANDURA		
		NAGMAN		
		APLAB		
	LABORATORY	TINICIEV		
106	INSTRUMENTS	TINSLEY		
		GENSENSING		
		WAREE (BEAMEX)		
		CHONGQING CHUANYI ANALYZER	CLUBIA	
		CO. LTD	CHINA	
		Beijing Far East Instrument Co., Ltd.	CHINA	
		BARCO		BOP BOUGHT OUTS
		DELTA		
		SYNELEC		
107	LARGE VIDEO SCREEN	PLANER		
		Clarity	USA	
		SHARP	JAPAN/CHINA	
		MITSUBISHI	JAPAN/CHINA	

Note: The above categorization is in line with our standard practice followed for all projects.

For these items, refer "Final Resolution on categorization of materials wrt. Annexure-17 Dated15-9-23"

General Note: BHEL's unit wise vendor list signed by MEL QA may also be referred for the above list of items, as applicable

SN	ITEM DESCRIPTION	VENDORS	Remarks
1	PRESSURE/D. P. / FLOW TRANSMITTERS	FUJI ELECTRIC, INDIA	Approved
2		EMECON CONTROLS PVT. LTD., NEW DELHI	Approved
	JUNTION BOX	PYROTECH ELECTRONICS PVT LTD, UDAIPUR	Approved
		BCH ELETRIC LIMITED, NEW DELHI	Approved
3	DC STARTER CONTROL	BCH ELETRIC LTD., NEW DELHI	Approved
	PANEL	PRIMA AUTOMATION (INDIA) PVT. LTD., GANDHI NAGAR	Approved
		COTMAC ELECTRONICS PVT. LTD., PUNE	Approved
		C&S ELECTRIC LTD., NOIDA	Approved
4	SOLENOID VALVES	BOSCH REXROTH (INDIA) PRIVATE, AHMEDABAD	Approved
	SOLENOID VALVES	VOITH TURBO PRIVATE LIMITED, HYDERABAD	Approved
5	LIMIT SWITCHES	HONEYWELL AUTOMATION INDIA, GURGAON	Approved
		SIEMENS LIMITED, GURGAON	Approved
6	THERMOCOUPLE / RTD /	EMERSON , DAMAN	Approved
	THERMOWELL	GIC (THERMAL INSTRUMNENTS), MUMBAI	Approved
		GAUGE BOURDEN, PANWEL	Approved
		TOSHNIWAL INDUSTRIES PVT. LTD., AJMER	Approved
		WIKA, PUNE	Approved
7	LEVEL SWITCH	SIEMENS, GURGAON	Approved
	(CAPACITANCE TYPE)	SBEM, PUNE	Approved
		NIVO CONTROLS, INDORE	Approved
		PUNE TECHTROL, PUNE	Approved
		CHEMTROLS, GOA	Approved
		SIGME INDUCTRIES, MUMBAI	Approved
8	LEVEL SWITCH	ENDRESS+HAUSER, GERMANY/AURANGABAD	Approved
	(FLOAT/DISPLACER TYPE)	MAGNETROL, BELGIUM	Approved
		SBEM, PUNE	Approved
		NIVO CONTROLS, INDORE	Approved
		PUNE TECHTROL, PUNE	Approved
		LEVCON, KOLKATA	Approved
		SIEMENS, GURGAON	Approved
		CHEMTROLS, GOA	Approved
		SIGME INDUCTRIES, MUMBAI	Approved
9	PRESSURE / D. P. GAUGES	DRESSOR, USA/GERMANY	Approved
		SIEMENS, GURGAON	Details
		,	Required
		PRECISION MASS, GANDHINAGAR	Approved
		BAUMER, VAPI	Approved
10	TEMPERATURE GAUGES	H.GURU INSTRUMENTS (P) LTD., NEW DELHI	Approved
		TEMPSENS INSTRUMENTS (I) PVT., UDAIPUR	Approved
		PRECISION MASS PRODUCTS (P) LT, GANDHINAGAR	Approved
11	CONDUCTIVITY ANALYSER	FORBES MARSHALL, PUNE	Approved
		ABB, DEHRADUN	Approved

		HACH COMPANY, USA	Approved
12	LEVEL TRANSMITTER	VEGA INDIA LEVEL AND PRESSURE, PUNE	Approved
	(RADAR TYPE)	V AUTOMAT, NEW DELHI	Approved
		HONEYWELL, GURGAON	Approved
13	PRESSURE/D.P. SWITCH	INDFOS, GHAZIABAD	Approved
		SIEMENS, INDIA	Details Required
		BAUMER TECHNOLOGIES, INDIA	Approved
14	LEVEL GAUGES	SBEM, PUNE	Approved
		SIEMENS, GURGAON	Details Required



VENDOR LIST NO.	REV.	VALID
QA/VENDOR/MECH/001	0	TILL RELEASE OF NEXT REVISION

Section: Mechanical

Approved Vendor List of Mechanical Items for Projects MECHANICAL VENDOR LIST

LIST					
Sl. No	Item Name	Vendor Name	Location	BHEL Remarks (Categor A. BHEL Mfg. / B. Raw Material C. BOP Bought Outs	
		Shanghai Electric Group Co., Ltd.	China		
		Dongfang Electric Group Co., Ltd.	China	BHEL	
1.	Steam Turbine & GSC	Toshiba	Japan/China		
		GE	WORLDWIDE		
		Harbin Electric Company Limited	China	\neg	
		Dongfang Electric Group Co., Ltd.	China	BHEL	
		DOOSAN	KOREAN		
		GE	CHINA		
		SIEMENS	GERMANY	_	
2.	BFP turbine	TOSHIBA	INDIA	_	
		Harbin Electric Company Limited	China	_	
		Hangzhou Steam Turbine Co., Ltd.	China		
		Shanghai Electric Group Co., Ltd.	China	 	
		WUHAN DAFANG ELECTRONIC MACHINERY	China	BHEL	
		CO.,LTD	Crima	BITE	
		ALSTOM (GE)	INDIA	 	
		DONGFENG ELECTRIC CO	CHINA	 	
		BHEL	INDIA	 	
				 	
		L&T MHPS	INDIA (CLIINA	\dashv	
3.	HP/LP heater	TOSHIBA CORPORATION	INDIA/CHINA	\dashv	
_		TEMA	INDIA	_	
		BHEL	INDIA	_	
		ISGEC	INDIA		
		GODREJ & BOYCE	INDIA		
		Shanghai Electric Group Co., Ltd.	China		
		Harbin Electric Company Limited	China		
		Hangzhou Boiler Group Co., Ltd.	China		
		PLYMOUTH	USA	# Dofo	
	HP HEATER & LP HEATER	VALINOX	FRANCE	# Refer	
4.	TUBES AND U- BENDS	VALTIMATE	FRANCE	Note	
		DONGFANG BOILER GROUP CO., LTD.	CHINA	Note	
		Dongfang Turbine Co., Ltd	China		
		Hangzhou Steam Turbine Co., Ltd.	China	BHEL	
		Power china SPEM Company Limited.	China		
		KSB Shanghai Pump Co. Ltd.	China	 	
	Boiler feed water pump	Sulzer Pumps (Suzhou) Ltd.	China	 	
5.	including booster pump	EBARA Machinery Zibo Co. Ltd.	China	\dashv	
	meloanig 2003ter pomp	Flowserve Flow Motion and Control (Suzhou) Co Ltd	China / India		
		Torishima Pump (Tianjin) Co. Ltd.	China	BHEL	
		Shanghai KSB Pump Co. Ltd.	China		
		Sulzer Pumps (Suzhou) Ltd.	China		
		EBARA Machinery Zibo Co., Ltd.	China		
		Hunan XEMC Changsha Pump Works Co., Ltd.	China		
6.	Condensate Extraction	XYLEM (CHINA) CO. LTD	China		
•	Pump	LEO Group Pump (Hunan) Co., Ltd.	China	\dashv	
		Torishima	Japan/China	\dashv	
	i	Flow serve	India		
				\dashv	
		IRuhrnumnen	I (aprmany	i	
		Ruhrpumpen SEMPELL	Germany		
		SEMPELL	Germany	LP Bypass valve-R∩I	
		SEMPELL Hora	Germany Germany	LP Bypass valve-BOI. HP Bypass valve- BHE	
7∙	HP/LP Bypass Valve	SEMPELL	Germany Germany Switzerland - (CCI-	LP Bypass valve-BOI. HP Bypass valve- BHE	
7∙	HP/LP Bypass Valve	SEMPELL Hora CCI	Germany Germany Switzerland - (CCI- China-Not acceptable)		
7.	HP/LP Bypass Valve	SEMPELL Hora CCI BOPP & REUTHER	Germany Germany Switzerland - (CCI- China-Not acceptable) Germany		
7.	HP/LP Bypass Valve	SEMPELL Hora CCI BOPP & REUTHER Siemens	Germany Germany Switzerland - (CCI- China-Not acceptable) Germany Germany	1 '''	
7.	HP/LP Bypass Valve	SEMPELL Hora CCI BOPP & REUTHER Siemens NHIC	Germany Germany Switzerland - (CCI- China-Not acceptable) Germany Germany China		
7.	HP/LP Bypass Valve	SEMPELL Hora CCI BOPP & REUTHER Siemens NHIC Sumitomo	Germany Germany Switzerland - (CCI- China-Not acceptable) Germany Germany China Japan	HP Bypass valve- BHE	
7.	HP/LP Bypass Valve	SEMPELL Hora CCI BOPP & REUTHER Siemens NHIC Sumitomo JFE	Germany Germany Switzerland - (CCI- China-Not acceptable) Germany Germany China Japan Japan	HP Bypass valve- BHE # Refer	
7.	HP/LP Bypass Valve	SEMPELL Hora CCI BOPP & REUTHER Siemens NHIC Sumitomo JFE TANARIS	Germany Germany Switzerland - (CCI- China-Not acceptable) Germany Germany China Japan	HP Bypass valve- BHE	
7-	HP/LP Bypass Valve	SEMPELL Hora CCI BOPP & REUTHER Siemens NHIC Sumitomo JFE	Germany Germany Switzerland - (CCI- China-Not acceptable) Germany Germany China Japan Japan	HP Bypass valve- BHE # Refer	
7.	HP/LP Bypass Valve	SEMPELL Hora CCI BOPP & REUTHER Siemens NHIC Sumitomo JFE TANARIS	Germany Germany Switzerland - (CCI- China-Not acceptable) Germany Germany China Japan Japan ITALY	HP Bypass valve- BHE # Refer	
7.	HP/LP Bypass Valve	SEMPELL Hora CCI BOPP & REUTHER Siemens NHIC Sumitomo JFE TANARIS VALLOUREC	Germany Germany Switzerland - (CCI- China-Not acceptable) Germany Germany China Japan Japan ITALY Germany	HP Bypass valve- BHE # Refer	
7.		SEMPELL Hora CCI BOPP & REUTHER Siemens NHIC Sumitomo JFE TANARIS VALLOUREC BENTELER STEEL TUBE GMBH	Germany Germany Switzerland - (CCI- China-Not acceptable) Germany Germany China Japan Japan ITALY Germany GERMANY	HP Bypass valve- BHE # Refer	
	HP Feed Water/Main	SEMPELL Hora CCI BOPP & REUTHER Siemens NHIC Sumitomo JFE TANARIS VALLOUREC BENTELER STEEL TUBE GMBH ARCELOR MITTAL TUBULAR PRODUCTS TUBOS REUNIDOS INDUSTRIAL S.L.U.	Germany Germany Switzerland - (CCI- China-Not acceptable) Germany Germany China Japan Japan ITALY Germany GERMANY ROMANIA / S.A. SPAIN	HP Bypass valve- BHE # Refer	
7.		SEMPELL Hora CCI BOPP & REUTHER Siemens NHIC Sumitomo JFE TANARIS VALLOUREC BENTELER STEEL TUBE GMBH ARCELOR MITTAL TUBULAR PRODUCTS TUBOS REUNIDOS INDUSTRIAL S.L.U. VALCOVNY TRUB CHOMUTOV	Germany Germany Switzerland - (CCI- China-Not acceptable) Germany Germany China Japan Japan ITALY Germany GERMANY ROMANIA / S.A. SPAIN CZECH REPUBLIC	HP Bypass valve- BHE # Refer	
	HP Feed Water/Main	SEMPELL Hora CCI BOPP & REUTHER Siemens NHIC Sumitomo JFE TANARIS VALLOUREC BENTELER STEEL TUBE GMBH ARCELOR MITTAL TUBULAR PRODUCTS TUBOS REUNIDOS INDUSTRIAL S.L.U. VALCOVNY TRUB CHOMUTOV BAOSHAN IRON AND STEEL	Germany Germany Switzerland - (CCI- China-Not acceptable) Germany Germany China Japan Japan ITALY Germany GERMANY ROMANIA / S.A. SPAIN CZECH REPUBLIC China	HP Bypass valve- BHE # Refer	
	HP Feed Water/Main	SEMPELL Hora CCI BOPP & REUTHER Siemens NHIC Sumitomo JFE TANARIS VALLOUREC BENTELER STEEL TUBE GMBH ARCELOR MITTAL TUBULAR PRODUCTS TUBOS REUNIDOS INDUSTRIAL S.L.U. VALCOVNY TRUB CHOMUTOV	Germany Germany Switzerland - (CCI- China-Not acceptable) Germany Germany China Japan Japan ITALY Germany GERMANY ROMANIA / S.A. SPAIN CZECH REPUBLIC	HP Bypass valve- BHE # Refer	

		PRODUCTOS TUBULARES	SPAIN	
		EEW	Korea	
		EBK	Germany	
		HHI RB	Korea	
		Gardner Denver Nash Machinery Ltd.	China	BOI
		Tsurmi Vacuum Engineering (Shanghai) Co., Ltd.	China	
		J J (1) J (2)		
9.	Vacuum Pump	Edwards Technologies Trading (Shanghai) Co., Ltd.	China	
		Lawards recritiologies trading (Shanghar) co., Etd.	Cillia	
		Cuanadana Kariffa Buran C	Chin -	
		Guangdong Kenflo Pump Co., Ltd.	China	
		Alfa Laval	China	BOI
		SONDEX	China	
		FLOWSERVE (SIHI) VACUUM PUMP	CHINA	
		STERLING	USA	
		GUANGDONG FOSHAN PUMP	CHINA	
.o.	CCCW water heat exchanger	UNIQUE SYSTEM INCORPORATE	USA	
	ecew water near exenanger	TSURAMI MANUFACTURING CO LIMITED	JAPAN	
			WORLDWIDE	
		JIEDINASHI MACHINERY CO., LTD.		
		Tranter	China	
		SPX	China	
		GEA ECOFLEX China Co LtdPHE	China	
		Guangzhou Xinheng Pump Manufacturing Co., Ltd.	China	
		Jiangsu Double-Wheel Pump Machinery Co., Ltd.	China	
		July 200 2000 Connected only Machinery Co., Ltd.		
	OCCW == == 4 CCCW	Andriz	China	
L1.	OCCW pump and CCCW pump		China	
		Shanghai KSB Pump Co. Ltd.	China	
		Sulzer Pumps (Suzhou) Ltd.	China	
		Flowserve Flow Motion and Control (Suzhou) Co Ltd	China	
		Dalian Songlone Pump Manufacturing Co., Ltd	China	
	Rubber-ball cleaning system	Wuxi Hongxiang Power Auxiliary Equipment Co., Ltd.	China	
,	and	JiangSu Power Equipment Co., Ltd	China	
12		Shanghai Taprogge Water Tech Engineering Co Ltd	China	
	motor drive	3 1 33		
		Jiangsu Zhongneng Power Equipment Co Ltd	China	
		Shanghai Taprogge Water Tech Engineering C	China	
		Jiangsu AET Technology & Engineering Co. Ltd.	China	
_	Oil purification device with oil	Jiangsu Zhongneng Power Equipment Co., Ltd	China	
13	tank and oil pump	Chengdu institute of pumps	China	
		Alfalaval	WORLDWIDE	
		Westfalia Saparator	WORLDWIDE	
		SAMSHIN	Korea	BHEL
				DILL
		VELAN	Canada	
		Weir	India/China	
	_	L&T Valves	India	
	Gate valve, NRV for	BEHL	India	
14	Extraction (only for critical	Emerson	ITALY	
	system)	Sampell	Germany	
		KSB	CHINA	
		Pacific	USA	
		ADWARD	Singapore	
		HP/KVT	Korea/Neth erlands	
				BHEL / BOI
		LVF	ITALY	BHEL / BOI
	Drain valve(only for critical	DOUGLAS	ITALY	
15	system	GRV	Germany	
	System	HP/KVT	Korea/Neth erlands	
		VELAN	Canada	
		Harbin boiler Co Ltd	China	BOI
		ION EXCHANGE INDIA LIMITED	INDIA	
		BGR ENERGY SYSTEM LIMITED	INDIA	
		VA TECH WABAG	INDIA	
		SPIC YUANDA ENVIRONMENTAL PROTECTION	China	
16	Condensate Polishing Unit	ENGINEERING CO. LTD.		
.=	services is one aming office	JIANGSU DONGFANG WATER TREATMENT C O., LTD.	China	
		THERMAX	INDIA	
		Suzhou Dongfeng water Treatment co	China	
		Wuxi Power Aux co, China	China	
		Huadian Engg co	China	
		Nanjing CEC environment co	China	
		, <u>, , , , , , , , , , , , , , , , , , </u>		BOI
		Jiangsu Power Equipment Co., Ltd	China	וטמ
		SUZHOU SAIHUA INSTRUMENT CONTROL	China	
17	Chemical dosing and	CO.,LTD		
1 7	Sampling System	Nanjing Guonengenviro-Protection Engineering Co., Ltd.	China	
		Jilin Grand Power Equipment Joint-stock Company	China	
		Suzhou Guoneng Electric Power Equipment Co.,Ltd	China	
		Shanghai KSB Pump Co., Ltd.	China	Not In Scope
				1.00 III Scope
		EBARA Machinery Zibo Co. Ltd.	China	
		Hitachi Pump Manufacturing (Wuxi) Co Ltd	China	
ւ8	CW PUMP	ANDRITZ (China) Ltd.	China	
18	CW PUMP	ANDRITZ (China) Ltd. Xylam	China	
18	CW PUMP	ANDRITZ (China) Ltd.		

		Harbin boiler Co Ltd	China	Not In Scope
	Water	Changzhou Jiangnan Environmental Enginee ing Co., Ltd.	China	
19	Treatment Plant-De			
3	Mineralization Plant			4
		Nanjing CEC Environment protection co ltd	China	Nat In Casa
		China Huadian Engg. Co Ltd	China	Not In Scope
		Jiangsu Tianma Environmental Protection	China	
		Science and Technology Group Co., Ltd.		4
	Waste water treatment plant	Nanjing Ease Environment Science and	China	
20	İ	Technology co., LTD	China	4
		Nanjing Guoneng Enviro-protection engineering Co., Ltd.	China	
		Sunrui Marine Environment Engineering Co., ltd.	China	Not In Scope
		Soll of Marine Environment Engineering Co., ita.	Crima	
		Wuhan Xingda Technology Engineering Co., td.	China	-
21	Electro chlorination system	World Alligua reciniology Engineering Co. , ta.	Crima	
		Shanghai Sciyee Water Sci.& Tech. Co., Ltd.	China	┪
		Jiangyin Hongrui Electrify Flange Co.,Ltd.	China	╡
		China Shipbuilding Industry Corporation, No. 718 Institute	China	Not In Scope
		erima shipbonamg maostry corporation, 140. 710 mstitute		
	HYDROGEN GENERATION	Suzhou Jingli Hydrogen Making Equipment Co., Ltd	China	┪
22	Plant	garagan yanggan manang 240 pmene 201, 214		
		Tianjin Mainland Hydrogen Making Equipme t	China	┪
		Co. ,Ltd.		
		Jians Seagull Cooling Tower Co., Ltd	China	Not In Scope
23	Induced Draft Cooling Tower	Enexio	China	<u> </u>
-5		Hamon Thermal (Tianjin) Co., Ltd.	China	1
		Hangzhou Huaxin Mechanical & Electrical	China	Not In Scope
		Engineering Co., Ltd.]
		Weihua Group Co., Ltd.	China	
24	Steam turbine house EOT	Shandong Fenghui Equipment technology Co Ltd	China	
•	crane			
		HENAN SHENGQI MACHINERY GROUP CO., LTD.	China	
		•		
		Shanghai Compo Air Compressor Co. Ltd.	China	Not In Scope
		Shanghai Ingersoll-Rand Compressor Co., Ltd.	China	
25	Air Compressor	Boge Compressor	China	
		Atlas Copco (Shanghai) Trading Co., Ltd.	China	
		Shandong Zhongda Air-Condition Group Co. ,Ltd.	China	Not In Scope
		Baogang Central-Air (China) Co. ,Ltd.	China	
26	Roof Fans & Axial flow fan	Nantong Jinghai HVAC Equipment Factory	China	
		Zhejiang Yilida Ventilator Co. ,Ltd	China	
		Shangyu Special Fans Co., Ltd	China	
		Shandong Geruide Group	China	
		Guangdong Shenling Environmental System Co., Ltd	China	Not In Scope
		Jiangsu jiasidun machiney equipment co.,ltd	China	
27	Air Conditioning	Dezhou Guoyang Environmental Protection	China	
		Equipment Co., Ltd.		<u> </u>
	į į	Jiangsu Jiangping Air-Condition & Purification	China	
		Equipment Co., Ltd.		
		OTIS	India/China	BOI
		KONE INDIA	India	
		GUANGZHOU HITACHI ELEVATOR CO., LTD	China	
		CHANGZHOU ELEVATOR FACTORY CO.,	China	
28	Elevator	HITACHI	China	
		TRIO ELEVATOR	INDIA	
	į į	Schindler	India/China	
		Mitsubishi	India/China	
		Thyssenkrupp	India/China	
30	Cooling Tower Fan Hub &	Howden	China	Not IN scope
29	Blade Assembly	Confimco	China	
		Jiangsu Dayang Environmental Protection Engineering	China	
	Intake screening equipment for	Co., Ltd.		_
20	CW pump house & Raw water	Henan Source Environment Protection Engg Equipment	China	
30	pump house & Raw water	Co Ltd		_
	point nouse	Jiangsu Tianma Environmental Protection Science and	China	
		Technology Group Co., Ltd.		
		China Bao feng steel pipe	China	
		Jiangsu Wujing SS steel pipe co Ltd	China	
		Zhejiang Dada SS steel pipe	China	# Refer
		Jiangsu chengde	China	Note
		Hengyang Valin steel tube co	China	TNOIC
		Anhui Tianda oil pipe Bao steel	China	7
31	LP(AS/SS) Pipes	Tianjin Pipe co	China	7
		YANTAI LUBO	China	7
				¬
ED, 3 GAS), bd85509dac6 1-DELHL		Baogang group	China	

		BO AI PIPE GROUP	China	4
		HENGSHUI JINGHUA STEEL PIPE	China	BHEL / BOI
		Fisher	USA/Japan USA	BHEL / BOI
		Flowserve CCI	INDIA/KOREA	-
		BHEL	INDIA	-
		HORA	WORLDWIDE	1
		DAUME	GERMANY	†
	Control Value	KOSO	INDIA	1
32	Control Valve	SAMPELL (PENTAIR)	GERMANY	1
		MIL CONTROLS LIMITED	INDIA	
		DRESSER	USA	
		EMERSON	WORLDWIDE	
		Leslie	USA	_
		Weir	UK/China	_
		Masoneilan	Japan/France/ USA	DOL
		Witzemann Witzemann	India Germany	BOI.
		HKS	Germany	-
		M B Metallic Bellows	India	-
		Aerosun Tola	China	-
	COMPENSATOR FOR CROSS	Flexican	India	†
33	OVER PIPE	Flextherm	India	┪
	OVERT III E	Nanjing Chenguang Tora	China	┪
		Kompasia	Switzerland	┪
		Kompaflex	Germany/	†
		F	Switzerland	
		Lonestar	India	1
		Wizemann	India	
		Unitech	India	BHEL Manufacturing sh
		ISGEC	India	_
		Lonestar	India	_
34	LP CROSSOVER PIPE	Gujarat Infra Pipes Pvt Ltd	India	_
		Dee Development	India	4
		Bend Joints	India	4
		Aerosun Tola	China	4
		Nanjing Chenguang Tora Adams	Cormany	4
		Bonetti	Germany Italy	BHEL
35	NRV'S for extraction	Babcock	Spain	
		Weir	USA	OIL MODULE-BOI.
		Allweiler (Colfax Group) ABB	Germany Switzerland	OIL MODULE-BOI.
		BAFFALO PUMP	USA	-
		DONGFANG TURBINE CO.LTD.	CHINA	†
		EBARA CORPORATION	JAPAN	†
		TOSHIBA CORPORATION	JAPAN/INDIA	†
36	MAIN OIL PUMPS	Bosch Rexroth	Germany/ Switzerland/China	
		Alstom Beizhong Power (Beijing)	China	_
		Co.Ltd	China	-
	i	Speri		OIL MODULE-BOI
	<u> </u>	Spari	Cormany/ Cuitzarland	()[[, [VI()] II II E-BCII
		Speri	Germany/ Switzerland /China	OIL MODULE-BOI
		TUSACO PUMPS	/China	OIL MODULE-BOI
		TUSACO PUMPS HYDAC (INDIA) PVT LIMITED	/China INDIA INDIA	OIL MODULE-BUI
	IVCKING OII DIIMD 6	TUSACO PUMPS HYDAC (INDIA) PVT LIMITED DONGFANG TURBINE CO,.LTD.	/China INDIA INDIA CHINA	OIL MODULE-BOI
37	JACKING OIL PUMP &	TUSACO PUMPS HYDAC (INDIA) PVT LIMITED DONGFANG TURBINE CO,.LTD. DELTA PD PUMPS	/China INDIA INDIA CHINA INDIA	OIL MODULE-BOI
37	JACKING OIL PUMP & System	TUSACO PUMPS HYDAC (INDIA) PVT LIMITED DONGFANG TURBINE CO,.LTD. DELTA PD PUMPS CENLUB	/China INDIA INDIA CHINA INDIA INDIA	OIL MODULE-BOI
37		TUSACO PUMPS HYDAC (INDIA) PVT LIMITED DONGFANG TURBINE CO,.LTD. DELTA PD PUMPS CENLUB LEISTRITZ	/China INDIA INDIA CHINA INDIA INDIA INDIA GERMANY	OIL MODULE-BOI
37		TUSACO PUMPS HYDAC (INDIA) PVT LIMITED DONGFANG TURBINE CO,.LTD. DELTA PD PUMPS CENLUB	/China INDIA INDIA CHINA INDIA INDIA INDIA GERMANY INDIA	OIL MODULE-BUI
37		TUSACO PUMPS HYDAC (INDIA) PVT LIMITED DONGFANG TURBINE CO,.LTD. DELTA PD PUMPS CENLUB LEISTRITZ MATZ PUMPS PVT. LIMITED	/China INDIA INDIA CHINA INDIA INDIA INDIA GERMANY	OIL MODULE-BOI
37		TUSACO PUMPS HYDAC (INDIA) PVT LIMITED DONGFANG TURBINE CO,.LTD. DELTA PD PUMPS CENLUB LEISTRITZ MATZ PUMPS PVT. LIMITED Bosch Rexroth	/China INDIA INDIA CHINA INDIA INDIA INDIA GERMANY INDIA Germany/Switzerland/Chin a	OIL MODULE-BOI
37		TUSACO PUMPS HYDAC (INDIA) PVT LIMITED DONGFANG TURBINE CO,.LTD. DELTA PD PUMPS CENLUB LEISTRITZ MATZ PUMPS PVT. LIMITED Bosch Rexroth Allweiler (Colfax Group)	/China INDIA INDIA CHINA INDIA INDIA INDIA GERMANY INDIA Germany/Switzerland/Chin a Germany	- - - - -
37		TUSACO PUMPS HYDAC (INDIA) PVT LIMITED DONGFANG TURBINE CO,.LTD. DELTA PD PUMPS CENLUB LEISTRITZ MATZ PUMPS PVT. LIMITED Bosch Rexroth Allweiler (Colfax Group) Leistritz	/China INDIA INDIA CHINA INDIA INDIA INDIA GERMANY INDIA Germany/Switzerland/Chin a Germany Spain	
37		TUSACO PUMPS HYDAC (INDIA) PVT LIMITED DONGFANG TURBINE CO,.LTD. DELTA PD PUMPS CENLUB LEISTRITZ MATZ PUMPS PVT. LIMITED Bosch Rexroth Allweiler (Colfax Group)	/China INDIA INDIA CHINA INDIA INDIA INDIA GERMANY INDIA Germany/Switzerland/Chin a Germany	OIL PURIFICATION UN
37		TUSACO PUMPS HYDAC (INDIA) PVT LIMITED DONGFANG TURBINE CO,.LTD. DELTA PD PUMPS CENLUB LEISTRITZ MATZ PUMPS PVT. LIMITED Bosch Rexroth Allweiler (Colfax Group) Leistritz	/China INDIA INDIA CHINA INDIA INDIA INDIA GERMANY INDIA Germany/Switzerland/Chin a Germany Spain	OIL PURIFICATION UN
37		TUSACO PUMPS HYDAC (INDIA) PVT LIMITED DONGFANG TURBINE CO,.LTD. DELTA PD PUMPS CENLUB LEISTRITZ MATZ PUMPS PVT. LIMITED Bosch Rexroth Allweiler (Colfax Group) Leistritz Facet	INDIA INDIA INDIA CHINA INDIA INDIA INDIA GERMANY INDIA Germany/Switzerland/Chin a Germany Spain India	OIL PURIFICATION UN
	System	TUSACO PUMPS HYDAC (INDIA) PVT LIMITED DONGFANG TURBINE CO,.LTD. DELTA PD PUMPS CENLUB LEISTRITZ MATZ PUMPS PVT. LIMITED Bosch Rexroth Allweiler (Colfax Group) Leistritz Facet Alfa Laval	/China INDIA INDIA CHINA INDIA INDIA INDIA GERMANY INDIA Germany/Switzerland/Chin a Germany Spain India USA	OIL PURIFICATION UN
	System	TUSACO PUMPS HYDAC (INDIA) PVT LIMITED DONGFANG TURBINE CO,.LTD. DELTA PD PUMPS CENLUB LEISTRITZ MATZ PUMPS PVT. LIMITED Bosch Rexroth Allweiler (Colfax Group) Leistritz Facet Alfa Laval	/China INDIA INDIA CHINA INDIA INDIA INDIA GERMANY INDIA Germany/Switzerland/Chin a Germany Spain India USA Germany/India	OIL PURIFICATION UN

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		Kaydon Filtration	USA	
		Hillard Tranter	India India	
		GEA Ecoflex	India	# Refer
39	TUBE PLATE COOLER	Kelvion	India	Note
39	TODE LEATE COOLER	Alfa Laval	India	Note
		IDMC	JAPAN	
		HISAKA	South Korea	
		MYTEC	Poland	OIL MODULE-BOI.
		Rockfin Group	Germany	
		Hydac	China	
		Jord	India	
	MAIN OIL TANK	Enpro Industries Pvt.Ltd.	India	
40	MAIN OIL TANK	Hydac	India	
		Cenlub	India	
		Fil Sep Equipment	India	
		Southern Lubrication	China	
		Shanghai Maosheng	India	
		Bosch Rexroth	Germany	HPSU-BOI. (sl.no.41,42,43)
41	HYDRAULIC OIL PUMP	Leistritz	China	
		Rexroth	Germany	
		Rockfin Group	Poland	
		Jord	china	
		Hydac	India/Germany	
42	FRF REGENERATION	Facet	Germany	
-		CIC	Germany	
		Dall Corporation	/Denmark	
		Pall Corporation	India	
	 	Hilliard	USA	
		Rockfin Group	Poland	
		Hydac	Germany	
		Funke	Germany	
		Tranter	India	
		Kelvion	Germany	
43	CONTROL FLUID COOLER	Alfa Laval	India	
		Alfa Laval	Sweden	
		IDMC	India	
		IDMC HISAKA	India JAPAN	
		IDMC HISAKA MYTEC	India JAPAN South Korea	
	CHANGEOVER DOUBLE	IDMC HISAKA MYTEC Rockfin Group	India JAPAN South Korea Poland	OIL MODULE- BOI.
44	FILTER, DUPLEX OIL FILTER	IDMC HISAKA MYTEC Rockfin Group Hydac	India JAPAN South Korea Poland India/Germany	OIL MODULE- BOI.
44	FILTER, DUPLEX OIL FILTER WITH OIL CHANGEOVER	IDMC HISAKA MYTEC Rockfin Group Hydac Southern Lubrication	India JAPAN South Korea Poland India/Germany India	OIL MODULE- BOI.
44	FILTER, DUPLEX OIL FILTER	IDMC HISAKA MYTEC Rockfin Group Hydac Southern Lubrication Boll & Kirch	India JAPAN South Korea Poland India/Germany India Germany	
44	FILTER, DUPLEX OIL FILTER WITH OIL CHANGEOVER	IDMC HISAKA MYTEC Rockfin Group Hydac Southern Lubrication Boll & Kirch Lisega	India JAPAN South Korea Poland India/Germany India Germany India/Germany	1.HANGERS & SUPPOR
44	FILTER, DUPLEX OIL FILTER WITH OIL CHANGEOVER	IDMC HISAKA MYTEC Rockfin Group Hydac Southern Lubrication Boll & Kirch Lisega JIANGSU FUTAI	India JAPAN South Korea Poland India/Germany India Germany India/Germany CHINA	
44	FILTER, DUPLEX OIL FILTER WITH OIL CHANGEOVER	IDMC HISAKA MYTEC Rockfin Group Hydac Southern Lubrication Boll & Kirch Lisega JIANGSU FUTAI SARATHI	India JAPAN South Korea Poland India/Germany India Germany India/Germany CHINA HYDERABAD	1.HANGERS & SUPPOR for PIT- BOI.
44	FILTER, DUPLEX OIL FILTER WITH OIL CHANGEOVER	IDMC HISAKA MYTEC Rockfin Group Hydac Southern Lubrication Boll & Kirch Lisega JIANGSU FUTAI SARATHI Jiangsu Power Equipment Co., Ltd	India JAPAN South Korea Poland India/Germany India Germany India/Germany CHINA HYDERABAD CHINA	1.HANGERS & SUPPOR for PIT- BOI.
44	FILTER, DUPLEX OIL FILTER WITH OIL CHANGEOVER	IDMC HISAKA MYTEC Rockfin Group Hydac Southern Lubrication Boll & Kirch Lisega JIANGSU FUTAI SARATHI Jiangsu Power Equipment Co., Ltd DALIAN SPRING	India JAPAN South Korea Poland India/Germany India Germany India/Germany CHINA HYDERABAD CHINA CHINA	1.HANGERS & SUPPOR for PIT- BOI. 2.BHEL MANUFACTUR
	FILTER, DUPLEX OIL FILTER WITH OIL CHANGEOVER VALVE	IDMC HISAKA MYTEC Rockfin Group Hydac Southern Lubrication Boll & Kirch Lisega JIANGSU FUTAI SARATHI Jiangsu Power Equipment Co., Ltd DALIAN SPRING ITT GRINELL	India JAPAN South Korea Poland India/Germany India Germany India/Germany CHINA HYDERABAD CHINA CHINA GERMANY	1.HANGERS & SUPPOR for PIT- BOI. 2.BHEL MANUFACTUR for (GENERATOR
	FILTER, DUPLEX OIL FILTER WITH OIL CHANGEOVER	IDMC HISAKA MYTEC Rockfin Group Hydac Southern Lubrication Boll & Kirch Lisega JIANGSU FUTAI SARATHI Jiangsu Power Equipment Co., Ltd DALIAN SPRING ITT GRINELL Spring Support	India JAPAN South Korea Poland India/Germany India Germany India/Germany CHINA HYDERABAD CHINA CHINA GERMANY UK	1.HANGERS & SUPPOR for PIT- BOI. 2.BHEL MANUFACTUR for (GENERATOR
44	FILTER, DUPLEX OIL FILTER WITH OIL CHANGEOVER VALVE	IDMC HISAKA MYTEC Rockfin Group Hydac Southern Lubrication Boll & Kirch Lisega JIANGSU FUTAI SARATHI Jiangsu Power Equipment Co., Ltd DALIAN SPRING ITT GRINELL Spring Support SICHUAN HUITONG	India JAPAN South Korea Poland India/Germany India Germany India/Germany CHINA HYDERABAD CHINA CHINA GERMANY UK CHINA	1.HANGERS & SUPPOR for PIT- BOI. 2.BHEL MANUFACTUR for (GENERATOR
	FILTER, DUPLEX OIL FILTER WITH OIL CHANGEOVER VALVE	IDMC HISAKA MYTEC Rockfin Group Hydac Southern Lubrication Boll & Kirch Lisega JIANGSU FUTAI SARATHI Jiangsu Power Equipment Co., Ltd DALIAN SPRING ITT GRINELL Spring Support SICHUAN HUITONG YAMASHITA SEISAKUSHO	India JAPAN South Korea Poland India/Germany India Germany India/Germany CHINA HYDERABAD CHINA CHINA GERMANY UK CHINA JAPAN	1.HANGERS & SUPPOR for PIT- BOI. 2.BHEL MANUFACTUR for (GENERATOR
	FILTER, DUPLEX OIL FILTER WITH OIL CHANGEOVER VALVE	IDMC HISAKA MYTEC Rockfin Group Hydac Southern Lubrication Boll & Kirch Lisega JIANGSU FUTAI SARATHI Jiangsu Power Equipment Co., Ltd DALIAN SPRING ITT GRINELL Spring Support SICHUAN HUITONG YAMASHITA SEISAKUSHO Pipe supports	India JAPAN South Korea Poland India/Germany India Germany India/Germany CHINA HYDERABAD CHINA CHINA CHINA GERMANY UK CHINA JAPAN UK/India	1.HANGERS & SUPPOR for PIT- BOI. 2.BHEL MANUFACTUR for (GENERATOR
	FILTER, DUPLEX OIL FILTER WITH OIL CHANGEOVER VALVE	IDMC HISAKA MYTEC Rockfin Group Hydac Southern Lubrication Boll & Kirch Lisega JIANGSU FUTAI SARATHI Jiangsu Power Equipment Co., Ltd DALIAN SPRING ITT GRINELL Spring Support SICHUAN HUITONG YAMASHITA SEISAKUSHO Pipe supports Witzenmann	India JAPAN South Korea Poland India/Germany India Germany India/Germany CHINA HYDERABAD CHINA CHINA GERMANY UK CHINA JAPAN UK/India Germany	1.HANGERS & SUPPOR for PIT- BOI. 2.BHEL MANUFACTUR for (GENERATOR
	FILTER, DUPLEX OIL FILTER WITH OIL CHANGEOVER VALVE	IDMC HISAKA MYTEC Rockfin Group Hydac Southern Lubrication Boll & Kirch Lisega JIANGSU FUTAI SARATHI Jiangsu Power Equipment Co., Ltd DALIAN SPRING ITT GRINELL Spring Support SICHUAN HUITONG YAMASHITA SEISAKUSHO Pipe supports Witzenmann Dee Development	India JAPAN South Korea Poland India/Germany India Germany India/Germany CHINA HYDERABAD CHINA CHINA GERMANY UK CHINA JAPAN UK/India Germany India	1.HANGERS & SUPPOR for PIT- BOI. 2.BHEL MANUFACTUR for (GENERATOR
	FILTER, DUPLEX OIL FILTER WITH OIL CHANGEOVER VALVE	IDMC HISAKA MYTEC Rockfin Group Hydac Southern Lubrication Boll & Kirch Lisega JIANGSU FUTAI SARATHI Jiangsu Power Equipment Co., Ltd DALIAN SPRING ITT GRINELL Spring Support SICHUAN HUITONG YAMASHITA SEISAKUSHO Pipe supports Witzenmann Dee Development Seonghwa	India JAPAN South Korea Poland India/Germany India Germany India/Germany CHINA HYDERABAD CHINA CHINA GERMANY UK CHINA JAPAN UK/India Germany UK/India Germany	1.HANGERS & SUPPOR for PIT- BOI. 2.BHEL MANUFACTUR for (GENERATOR AUXILARIES SCOPE)
	FILTER, DUPLEX OIL FILTER WITH OIL CHANGEOVER VALVE	IDMC HISAKA MYTEC Rockfin Group Hydac Southern Lubrication Boll & Kirch Lisega JIANGSU FUTAI SARATHI Jiangsu Power Equipment Co., Ltd DALIAN SPRING ITT GRINELL Spring Support SICHUAN HUITONG YAMASHITA SEISAKUSHO Pipe supports Witzenmann Dee Development Seonghwa Rockfin Group	India JAPAN South Korea Poland India/Germany India Germany India/Germany CHINA HYDERABAD CHINA CHINA CHINA GERMANY UK CHINA JAPAN UK/India Germany India Korea Poland	1.HANGERS & SUPPOR for PIT- BOI. 2.BHEL MANUFACTUR for (GENERATOR
	FILTER, DUPLEX OIL FILTER WITH OIL CHANGEOVER VALVE HANGERS & SUPPORTS	IDMC HISAKA MYTEC Rockfin Group Hydac Southern Lubrication Boll & Kirch Lisega JIANGSU FUTAI SARATHI Jiangsu Power Equipment Co., Ltd DALIAN SPRING ITT GRINELL Spring Support SICHUAN HUITONG YAMASHITA SEISAKUSHO Pipe supports Witzenmann Dee Development Seonghwa Rockfin Group Hydac	India JAPAN South Korea Poland India/Germany India Germany India/Germany CHINA HYDERABAD CHINA CHINA GERMANY UK CHINA JAPAN UK/India Germany India Korea Poland Germany	1.HANGERS & SUPPOR for PIT- BOI. 2.BHEL MANUFACTUR for (GENERATOR AUXILARIES SCOPE
45	FILTER, DUPLEX OIL FILTER WITH OIL CHANGEOVER VALVE HANGERS & SUPPORTS 3-WAY TEMP CONTROL	IDMC HISAKA MYTEC Rockfin Group Hydac Southern Lubrication Boll & Kirch Lisega JIANGSU FUTAI SARATHI Jiangsu Power Equipment Co., Ltd DALIAN SPRING ITT GRINELL Spring Support SICHUAN HUITONG YAMASHITA SEISAKUSHO Pipe supports Witzenmann Dee Development Seonghwa Rockfin Group Hydac MVA	India JAPAN South Korea Poland India/Germany India Germany India/Germany CHINA HYDERABAD CHINA CHINA GERMANY UK CHINA JAPAN UK/India Germany India Korea Poland Germany Germany Germany	1.HANGERS & SUPPOR for PIT- BOI. 2.BHEL MANUFACTUR for (GENERATOR AUXILARIES SCOPE
45	FILTER, DUPLEX OIL FILTER WITH OIL CHANGEOVER VALVE HANGERS & SUPPORTS	IDMC HISAKA MYTEC Rockfin Group Hydac Southern Lubrication Boll & Kirch Lisega JIANGSU FUTAI SARATHI Jiangsu Power Equipment Co., Ltd DALIAN SPRING ITT GRINELL Spring Support SICHUAN HUITONG YAMASHITA SEISAKUSHO Pipe supports Witzenmann Dee Development Seonghwa Rockfin Group Hydac MVA Amot	India JAPAN South Korea Poland India/Germany India Germany India/Germany CHINA HYDERABAD CHINA CHINA GERMANY UK CHINA JAPAN UK/India Germany India Korea Poland Germany UK	1.HANGERS & SUPPOR for PIT- BOI. 2.BHEL MANUFACTUR for (GENERATOR AUXILARIES SCOPE
45	FILTER, DUPLEX OIL FILTER WITH OIL CHANGEOVER VALVE HANGERS & SUPPORTS 3-WAY TEMP CONTROL	IDMC HISAKA MYTEC Rockfin Group Hydac Southern Lubrication Boll & Kirch Lisega JIANGSU FUTAI SARATHI Jiangsu Power Equipment Co., Ltd DALIAN SPRING ITT GRINELL Spring Support SICHUAN HUITONG YAMASHITA SEISAKUSHO Pipe supports Witzenmann Dee Development Seonghwa Rockfin Group Hydac MVA Amot Xinhua Well Hydraulic System	India JAPAN South Korea Poland India/Germany India Germany India/Germany CHINA HYDERABAD CHINA CHINA GERMANY UK CHINA JAPAN UK/India Germany India Korea Poland Germany Germany UK CHINA	1.HANGERS & SUPPOR for PIT- BOI. 2.BHEL MANUFACTUR for (GENERATOR AUXILARIES SCOPE
45	FILTER, DUPLEX OIL FILTER WITH OIL CHANGEOVER VALVE HANGERS & SUPPORTS 3-WAY TEMP CONTROL	IDMC HISAKA MYTEC Rockfin Group Hydac Southern Lubrication Boll & Kirch Lisega JIANGSU FUTAI SARATHI Jiangsu Power Equipment Co., Ltd DALIAN SPRING ITT GRINELL Spring Support SICHUAN HUITONG YAMASHITA SEISAKUSHO Pipe supports Witzenmann Dee Development Seonghwa Rockfin Group Hydac MVA Amot Xinhua Well Hydraulic System Metal One Deutschland Gmbh	India JAPAN South Korea Poland India/Germany India Germany India/Germany CHINA HYDERABAD CHINA CHINA GERMANY UK CHINA JAPAN UK/India Germany India Korea Poland Germany Germany UK China Germany UK	1.HANGERS & SUPPOR for PIT- BOI. 2.BHEL MANUFACTUR for (GENERATOR AUXILARIES SCOPE)
45	FILTER, DUPLEX OIL FILTER WITH OIL CHANGEOVER VALVE HANGERS & SUPPORTS 3-WAY TEMP CONTROL	IDMC HISAKA MYTEC Rockfin Group Hydac Southern Lubrication Boll & Kirch Lisega JIANGSU FUTAI SARATHI Jiangsu Power Equipment Co., Ltd DALIAN SPRING ITT GRINELL Spring Support SICHUAN HUITONG YAMASHITA SEISAKUSHO Pipe supports Witzenmann Dee Development Seonghwa Rockfin Group Hydac MVA Amot Xinhua Well Hydraulic System Metal One Deutschland Gmbh Hydac	India JAPAN South Korea Poland India/Germany India Germany India/Germany CHINA HYDERABAD CHINA CHINA GERMANY UK CHINA JAPAN UK/India Germany India Korea Poland Germany UK China Germany UK China Germany India/Germany	1.HANGERS & SUPPOR for PIT- BOI. 2.BHEL MANUFACTUR for (GENERATOR AUXILARIES SCOPE)
45	FILTER, DUPLEX OIL FILTER WITH OIL CHANGEOVER VALVE HANGERS & SUPPORTS 3-WAY TEMP CONTROL	IDMC HISAKA MYTEC Rockfin Group Hydac Southern Lubrication Boll & Kirch Lisega JIANGSU FUTAI SARATHI Jiangsu Power Equipment Co., Ltd DALIAN SPRING ITT GRINELL Spring Support SICHUAN HUITONG YAMASHITA SEISAKUSHO Pipe supports Witzenmann Dee Development Seonghwa Rockfin Group Hydac MVA Amot Xinhua Well Hydraulic System Metal One Deutschland Gmbh Hydac Rockfin	India JAPAN South Korea Poland India/Germany India Germany India/Germany CHINA HYDERABAD CHINA CHINA GERMANY UK CHINA JAPAN UK/India Germany India Korea Poland Germany UK China Germany India/Germany	1.HANGERS & SUPPOR for PIT- BOI. 2.BHEL MANUFACTURI for (GENERATOR AUXILARIES SCOPE) OIL MODULE- BOI.
	FILTER, DUPLEX OIL FILTER WITH OIL CHANGEOVER VALVE HANGERS & SUPPORTS 3-WAY TEMP CONTROL	IDMC HISAKA MYTEC Rockfin Group Hydac Southern Lubrication Boll & Kirch Lisega JIANGSU FUTAI SARATHI Jiangsu Power Equipment Co., Ltd DALIAN SPRING ITT GRINELL Spring Support SICHUAN HUITONG YAMASHITA SEISAKUSHO Pipe supports Witzenmann Dee Development Seonghwa Rockfin Group Hydac MVA Amot Xinhua Well Hydraulic System Metal One Deutschland Gmbh Hydac	India JAPAN South Korea Poland India/Germany India Germany India/Germany CHINA HYDERABAD CHINA CHINA GERMANY UK CHINA JAPAN UK/India Germany India Korea Poland Germany UK China Germany UK China Germany India/Germany	1.HANGERS & SUPPOR' for PIT- BOI. 2.BHEL MANUFACTURE for (GENERATOR AUXILARIES SCOPE) OIL MODULE- BOI.

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		Southern Lubrication	India	
		Bosch Rexroth	India	
		Hydac	India/Germany	
48		KAWASAKI PRECISION MACHINERY	Japan	
	LIVERALII IC OIL CYCTEM	PARKER HANNIFIN	JAPAN/ GERMANY	
	HYDRAULIC OIL SYSTEM	Jord	China	
		Rockfin	Poland	
		Bosch Rexroth	India/Switzerland	
		ALSTOM Power Sp. z o.o,	Poland	BHEL Manufacturing shop
		Starwire	India	
		China National Erzhong Group Co,	China	
		JSW	Japan	
		Voest Alpine	Austria	# Refer
		Accialeria Fonderia Cividale SpA	Italy	
		Japan Casting and Forging Company	Japan	Note
	HP/IP Inner & Outer Casing	Goodwin	UK	
49	Casting	Sande Stahlguss GmBH	Germany	
		ISGEC (UP Steel)	Muzaffarnagar	
		Kobe Steel	Japan	
		Doosan	Korea/Romania	
		Kocel	China	
		L&T Heavy Castings	Hazira	
		Pilsen Steel	Japan	
		DHHI	China	

		Saarschmiede	Germany	BHEL Manufacturing	
		Schmiedewerke Gröditz	Germany	shop /	
		Buderus Edelstahl	Germany/Austria		
		Cruesot Forge	France		
		Kobe Steel	Japan	# Refer	
50	HP/IP/LP Turbine Shaft	JSW	Japan		
	Forging	Bharat Forge	Pune	Note	
		Doosan Heavy Industries &Cons	Korea		
		SDF Terni JCFC	Italy		
			Japan		
		L&T Special Steel and Heavy Forgings Fomas S.P.A	Hazira		
			ltaly Italy	BHEL Manufacturing	
		Acciaierie Valbruna S.p.a. Aubert & Duval	France	shop /	
		BGH Edelstahl GmbH	Germany	Shop /	
		Böhler Edelstahl GmbH	Austria		
		Carpenter Technology Co.	USA		
		Daido	Japan	# Refer	
	HP/IP Stationary & Moving	Corus Engineering Steels	United Kingdom	Note	
51	Blades	Gustav Grimm Edelstahlwerke GmbH	Germany	Note	
	Bar Stock	Sz-metal Ravne D.o.o.	Slovenia		
		Universal Stainless & Alloy Products,	USA		
		Inc.	034		
		Boehler Schmiedetechnik	Germany		
		Starwire	Ballabhgarh	 	
		Walzwerke Einsal	Switzerland		
		Alstom Power Sp. z o.o	Poland	BHEL Manufacturing	
		China National Erzhong Group Co	China	shop /	
		CSMF	China		
		Star wire	Ballabhgarh		
		Voest Alpine	Austria	# Refer	
		ISGEC (UP Steels)	Muzaffarnagar		
52	HP/ IP valve Castings	Gruppo Cividale	Italy	—— Note	
		Sande Stahl Guss	Germany		
		L&T Heavy Castings	Hazira		
		Goodwin	UK		
		Kocel	China		
		DHHI	China		
		Alstom Power Sp. z o.o.	Poland	BHEL Manufacturing	
		L&T Coimbator	India	shop /	
		L&T Kanshbhal	India		
		CSMF	China		
		FWH Freidrich Wilhems-Hutte GmBH	Germany	// D. C	
		Heidenheimer Giessen GmBH &Co	Germany	# Refer	
53	LP Inner Casing Casting	DHHI	China	Note	
		L&T Heavy Castings	Hazira	1,000	
		ISGEC (UP Steel)	India		
		Starwire	India		
		Pilsen Steel	Czech		
		Beijing Bazhong	China		
		Buderus Spezialguss GmbH	Germany		
		Alstom. Projects India Ltd	Shahabad	BHEL Manufacturing	
İ		Alstom Croatia Ltd	Croatia	shop /	
		Dalian Heavy Industrial	China		
İ		Alstom Bharat Forge Power Ltd	Sanand		
İ		Alstom Beizhong Power (Beijing)	China	# Refer	
		Co.Ltd			
		Starwire	Ballabhgarh	Note	
54	LP Outer casing complete	D & N	Germany		
		Shape Engineers	Hardwar		
ļ		KCP	Chennai		
		Tisco Growth Shop	Jamshedpur		
İ		ISGEC	Yamunanagar		
İ		ESSAR Heavy Engg. Services	Surat		
		Vitkovice	Czech		
		Sharp Engineers	Pune		
		Fushun	China	BHEL Manufacturing	
		Acciaierie Valbruna S.p.a.	Italy	shop /	
		Aubert & Duval	France		
		BGH Edelstahl GmbH	Germany	# Refer	
		Böhler Edelstahl GmbH	Austria	Note	
		Borner Edelstani Giribri	7.03010	NOTE	

	1	Daido	Japan	
		Corus Engineering Steels	United Kingdom	
	LP Stationary Moving Blades	Gustav Grimm Edelstahlwerke GmbH	Germany	
55	from Bar	Sz-metal Ravne D.o.o.	Slovenia	
		Kalyani Carpenter Special Steels	Pune	
		Universal Stainless & Alloy Products, Inc.	USA	
		Boehler Schmiedetechnik	Germany	
		Starwire	Ballabhgarh	
		Walzwerke Einsal	Switzerland	
		Formetal (cismocisco)	Italy	BHEL Manufacturing
		PTC	Mehsana	shop /
		Magnacast	Coimbatore	
-6	LP Cast Blades (Casted)	Juergens	Germany	
56	LF Cast Blades (Casted)	BSL Casting	Ballabhgarh	# Refer
		Doloco	China	Note
		Zollernwerke	Germany	
		Wuxi	China	
		Alstom (Switzerland) Ltd	Switzerland	BHEL Manufacturing
		Böhler Schmiedetechnik GmbH	Austria	shop /
		C. Blade S.p.a.	Italy	
		Pietro Rosa S.r.l.	Italy	# Refer
		Alstom Power Spzoo	Poland	
57	LP Blade (Last stage)	Bharat Forge	Pune	Note
		Azad Engineering	Hyderabad	
		M Tech	Hardwar	
		Wuxi Turbine Blade Works	China	
		Leistritz Turbinenkomponenten GmbH	Germany	
		Alstom (Switzerland) Ltd	Switzerland	BHEL Manufacturing
		Böhler Schmiedetechnik GmbH	Austria	shop /
		C. Blade S.p.a.	Italy	
		Leistritz ATC	USA	
		Alstom Power Spzoo	Poland	# Refer
		Azad Engineering	Hyderabad	Note
58	LP Moving Blades From Bars - Before last stage	M Tech	Hardwar	11016
50		Leistritz Turbinenkomponenten GmbH	Germany	
		Pietro Rosa S.r.l.	Italy	
		Setforge La Clayette	France	
		SMB SA	Switzerland	
		Bharat Forge	Pune	
		Wuxi Turbine Blade Works	China	
		Alstom Sp Z.o.o	Poland	BHEL Manufacturing
		Silbitz Guss	Germany	shop /
		L&T,Coimbatore	Coimbatore	
		L&T,Kansbahal	Kansbahal	W.D. C
		Accialeria Fonderia Cividale spA	Italy	# Refer
		Kolhapur Steel	Kolhapur	Note
		L&T Heavy Castings	Hazira	
59	Bearing Pedastal - Casting	ISGEC (UP Steel)	Muzaffarnagar	
		Patel Alloys FWH Freidrich Wilhems-Hutte GmBH	Ahmedabad	
			Germany	
		Heidenheimer Giessen GmBH &Co	Germany	
		Buderus Spezialguss GmbH	Germany	
		Siemplekamp Ergotech	Germany	
		DHHI	Germany China	
	1	Alstom Beizhong Power (Beijing)	China	BHEL Manufacturing
		Co.Ltd		shop /
6o	Bearing - Thrust & Journel	Kingburry	USA	# Refer
50	Dearing - Throst & Journer	Omega Bhopal	Bhopal	,, 110101
		Eurobearing	Italy	Note
		Wuakesha Bearing	UK	
		Alstom Beizhong Power (Beijing)	China	BOI-Customer control
		Co.Ltd		required.
		Hebei Guoyuan	China	
		Ultra	Pune	# Dofor
		Atlas Fasteners	Hyderabad	# Refer
61	HP/IP Joint Bolts	Daido	Japan	Note
	1	Azad Engineering	Hyderabad	
	1	Bhart Forge	Pune	

		Kalyani Carpenter Special Steels	Pune	
		Mahindra Ugine	Raigad	
		Omega, Haridwar	Hardwar	
		Starwire	Ballabhgarh	
		Dee Development	India	BOI.
		BEND JOINTS	India	DOI.
		UNITECH	India	
62	TURBINE INTEGRAL PIPING	L&T Piping	India	
		ISGEC	India	
		Gujarat Infra Pipes	India	
		South china pipe	China	
		KSB	India/ Germany	BHEL
		Koso	India	DITEE
		Weir	India	
63	TI PIPING VALVES			
		Velan	Canada	
		Valve Technologies	India	
		L&T	India	
		SPX	UK	
		Forbes Marshall Limited	India	
		KSB	India	
			China	BHEL
		China Shuangheng	I control of the cont	DITEL
		Freet	China	
		Jiangsu YDF	China	
		Shandong Su High Valve Co.Ltd	China	
		WEIR - BDK	India	
		MIL Controls Limited	India	
		BOOP & REUTHER	GERMANY	
			<u> </u>	
		BHEL	TRICHY	
	HP & LP VALVES FOR	Dresser Valves	India	
64	BTG(GATE, GLOBE, CHECK &	HE Harbin Power Plant Valve Co.,Ltd	China	
	BALL VALVE)	Kolflow	China	
		HENAN KAIFA VALVE CO.,LTD	China	
		THE TOTAL TO THE TENER OF THE T		
		Fisher Sanmar Limited	India	
		Emerson Process Management	India	
		IL Limited	India	
		TYCO	India	
		HP VALVES	NETHERLANDS	
		Sempell	Germany	
		Persta	Germany	
		L&T	India	
		Dresser	USA	
		Koso	India	
		Hering	Germany	BHEL
		Mazda	India	
		GE Godavari	India	
		GEI Industries	India	
		TNS SP ZOO	Poland	
		Hubei Dangfend Heat Exchanger	China	
		DONGFANG TURBINE CO.LTD.	CHINA	
		HARBIN TURBINE AUXILIARY EQUIPMENT	CHINA	
		ENGINEERING CO., LTD		
	GLAND STEAM CONDENSER	TSUBAKI NAKASHIMA CO LIMITED	lanan	
65		SHANGHAI ELECTRIC CORPORATION	Japan CHINA	
65	GLAND STEAM CONDENSER			
65	GLAND STEAM CONDENSER			
65	GLAND STEAM CONDENSER	VDL Delmas	Germany	
65	GLAND STEAM CONDENSER	VDL Delmas OELTECHNIK FRANCE	Germany France	
65	GLAND STEAM CONDENSER	VDL Delmas	Germany	
65	GLAND STEAM CONDENSER	VDL Delmas OELTECHNIK FRANCE	Germany France USA	
65	GLAND STEAM CONDENSER	VDL Delmas OELTECHNIK FRANCE Standard Xchange Przedsiebiorstwo Uslugowo Produkcyjno Handlowe NIWA J.J.Niwa	Germany France USA	
65	GLAND STEAM CONDENSER	VDL Delmas OELTECHNIK FRANCE Standard Xchange	Germany France USA	
65	GLAND STEAM CONDENSER	VDL Delmas OELTECHNIK FRANCE Standard Xchange Przedsiebiorstwo Uslugowo Produkcyjno Handlowe NIWA J.J.Niwa Sp.Jawna	Germany France USA Poland	
65	GLAND STEAM CONDENSER	VDL Delmas OELTECHNIK FRANCE Standard Xchange Przedsiebiorstwo Uslugowo Produkcyjno Handlowe NIWA J.J.Niwa Sp.Jawna Hangzhou Guoneng Steam Turbine	Germany France USA	
65	GLAND STEAM CONDENSER	VDL Delmas OELTECHNIK FRANCE Standard Xchange Przedsiebiorstwo Uslugowo Produkcyjno Handlowe NIWA J.J.Niwa Sp.Jawna Hangzhou Guoneng Steam Turbine Engineering Co., Ltd.	Germany France USA Poland China	
65	GLAND STEAM CONDENSER	VDL Delmas OELTECHNIK FRANCE Standard Xchange Przedsiebiorstwo Uslugowo Produkcyjno Handlowe NIWA J.J.Niwa Sp.Jawna Hangzhou Guoneng Steam Turbine	Germany France USA Poland China Germany	
65	GLAND STEAM CONDENSER	VDL Delmas OELTECHNIK FRANCE Standard Xchange Przedsiebiorstwo Uslugowo Produkcyjno Handlowe NIWA J.J.Niwa Sp.Jawna Hangzhou Guoneng Steam Turbine Engineering Co., Ltd.	Germany France USA Poland China	BOI
65	GLAND STEAM CONDENSER	VDL Delmas OELTECHNIK FRANCE Standard Xchange Przedsiebiorstwo Uslugowo Produkcyjno Handlowe NIWA J.J.Niwa Sp.Jawna Hangzhou Guoneng Steam Turbine Engineering Co., Ltd. Hering C-Doctor	Germany France USA Poland China Germany India	BOI
65	GLAND STEAM CONDENSER	VDL Delmas OELTECHNIK FRANCE Standard Xchange Przedsiebiorstwo Uslugowo Produkcyjno Handlowe NIWA J.J.Niwa Sp.Jawna Hangzhou Guoneng Steam Turbine Engineering Co., Ltd. Hering C-Doctor TSUBAKI NAKASHIMA CO., LTD	Germany France USA Poland China Germany India JAPAN	BOI
65		VDL Delmas OELTECHNIK FRANCE Standard Xchange Przedsiebiorstwo Uslugowo Produkcyjno Handlowe NIWA J.J.Niwa Sp.Jawna Hangzhou Guoneng Steam Turbine Engineering Co., Ltd. Hering C-Doctor TSUBAKI NAKASHIMA CO., LTD GE GODAVARI	Germany France USA Poland China Germany India JAPAN MEDAK AP INDIA	воі
	GLAND STEAM EXHAUSTER	VDL Delmas OELTECHNIK FRANCE Standard Xchange Przedsiebiorstwo Uslugowo Produkcyjno Handlowe NIWA J.J.Niwa Sp.Jawna Hangzhou Guoneng Steam Turbine Engineering Co., Ltd. Hering C-Doctor TSUBAKI NAKASHIMA CO., LTD GE GODAVARI DONGFANG TURBINE CO.LTD.	Germany France USA Poland China Germany India JAPAN MEDAK AP INDIA CHINA	BOI
65		VDL Delmas OELTECHNIK FRANCE Standard Xchange Przedsiebiorstwo Uslugowo Produkcyjno Handlowe NIWA J.J.Niwa Sp.Jawna Hangzhou Guoneng Steam Turbine Engineering Co., Ltd. Hering C-Doctor TSUBAKI NAKASHIMA CO., LTD GE GODAVARI DONGFANG TURBINE CO.LTD. HARBIN TURBINE AUXILIARY EQUIPMENT	Germany France USA Poland China Germany India JAPAN MEDAK AP INDIA	воі
	GLAND STEAM EXHAUSTER	VDL Delmas OELTECHNIK FRANCE Standard Xchange Przedsiebiorstwo Uslugowo Produkcyjno Handlowe NIWA J.J.Niwa Sp.Jawna Hangzhou Guoneng Steam Turbine Engineering Co., Ltd. Hering C-Doctor TSUBAKI NAKASHIMA CO., LTD GE GODAVARI DONGFANG TURBINE CO.LTD. HARBIN TURBINE AUXILIARY EQUIPMENT ENGINEERING CO., LTD	Germany France USA Poland China Germany India JAPAN MEDAK AP INDIA CHINA CHINA	BOI
	GLAND STEAM EXHAUSTER	VDL Delmas OELTECHNIK FRANCE Standard Xchange Przedsiebiorstwo Uslugowo Produkcyjno Handlowe NIWA J.J.Niwa Sp.Jawna Hangzhou Guoneng Steam Turbine Engineering Co., Ltd. Hering C-Doctor TSUBAKI NAKASHIMA CO., LTD GE GODAVARI DONGFANG TURBINE CO.LTD. HARBIN TURBINE AUXILIARY EQUIPMENT	Germany France USA Poland China Germany India JAPAN MEDAK AP INDIA CHINA	ВОІ

I	1	Nadi Air Technics	India	
				- BOI
		Lloyd Insulation (India) Ltd.	India	BOI
		Minwool Rock fibers Limited	India	
		UNIFAX INDIA LIMITED	India	
67	THERMAL INSULATION	MURUGAPPA MURUGAN	India	
",	THERMAE INSOLATION	Roxul Rockwool Technical Insulation	India	
		Goenka Rockwool India Limited	India	THERMAL INSULATION OF TURBINE, THERMAL INSULATION OF TURBINE INTEGRAL PIPING- BOI BOI - Customer control not required # Refer Note BHEL
		Poly Bond Insulation	India	
		Lapinus Rockwool Pvt Ltd	India	
		Allweiler	Germany	BOI -
68	Seal Oil Pump	TUSHACO	India	Customer control not
		UT PUMP	India	required
	Air Cooler for Brush Gear (If	GEA	Germany/China/Poland	# Refer
69		UT PUMP	China	
	applicable)	GEA	Switzerland	Note
		DFEM	Poland	BHEL
		Cold & Hot	China	
		Rockfin	China	
		Shanghai Xinhua	India	
		Beijing Zhongnegf	China	
70	Stator water cooling unit	SOUTHERN LUBRICATION	Italy	
		Energas	India	
		Flenco	India	
		Lincoln	India	
		Enpro	India	
		CENLUB	India	

71		W. L. I.	T. ii	
71		Kelvion	India	BOI
71		GEA Ecoflex(Kelvion) ALPHA LAVAL	India/ Germany	
/1	Seal Oil Cooler		Poland/Europe	
	Seal Oil Cooler	Hering ALPHA LAVAL	Germany Sweden/Germany	# Refer
		THERMOWAVE		Note
		TRANTER	Germany India	Note
\longrightarrow		Beijing Zhongnegf	China	BHEL
		Rockfin	Poland	BHEL
		Shanghai Xinhua	China	
				
		Rotan	Germany China	
72	Seal Oil Unit	Energas		
		Flenco	Italy	
		SOUTHERN LUBRICATION	India	
		CENLUB ENDRO INDUSTRIES	India	
		ENPRO INDUSTRIES	India	
\longrightarrow		Hydac India	India	
		GEA	Germany	
		Dengfeng Unifin	China	BHEL
		TEMA	India	
73	Hydrogen Cooler	Laxmi	India	
	, 5	Fitwell	India	
		GEI INDUSTRIES	India	
		Funke	Germany	
		Thermax Group	India	
		Jinda l electrical	India	BOI / BHEL-
		Melcon engg	India	
	_	Rockfin	Poland	Customer control not
74	Hydrogen dryer	Rotan	Germany	required
		SPERI	China	
		Span Manufacturing	India	
		Xinhua Well Hydraulic System	China	
		CCI	USA/Austria	BOI
			/Korea	
		Dressor Masoneilan	France	
		HORA	Germany	
		EMERSON (Fisher)	USA/France	
			/Japan	
l	Control valve for feedwater flow	CCI	Sricity	
75	Control	Sempell	Germany	
		KOSO	Japan	
		Yamatake	JAPAN	
		Nakikta	Japan	
		MOTOYAMA	Japan	
		BOPP & ROUTHER	Germany	
		MIL	Alwaye	
		MIL	Alwaye	
		EMERSON	Chennai	
		Dressor	Coimbatore	
l		Spx Copes Vulcan	UK	
	Control valve(Other than BFP	Leslie	USA	
76	RC, FW flow Control.)	Flow Serve	Bangalore	
₇ 6	RC, FW flow Control.)	Flow Serve KOSO	Bangalore Palakkad	
₇ 6	RC, FW flow Control.)		Palakkad	
76	RC, FW flow Control.)	KOSO	Palakkad Sricity	
76	RC, FW flow Control.)	KOSO CCI	Palakkad Sricity Germany	
76	RC, FW flow Control.)	KOSO CCI BOMAFA	Palakkad Sricity	
76		KOSO CCI BOMAFA MOTOYAMA	Palakkad Sricity Germany Japan	
	Lube oil control valve	KOSO CCI BOMAFA MOTOYAMA NUOVO PIGNONE EMERSON	Palakkad Sricity Germany Japan ITALY CHENNAI	
77		KOSO CCI BOMAFA MOTOYAMA NUOVO PIGNONE	Palakkad Sricity Germany Japan ITALY CHENNAI GERMANY /	
	Lube oil control valve	KOSO CCI BOMAFA MOTOYAMA NUOVO PIGNONE EMERSON SAMSON	Palakkad Sricity Germany Japan ITALY CHENNAI GERMANY / PUNE	
	Lube oil control valve	KOSO CCI BOMAFA MOTOYAMA NUOVO PIGNONE EMERSON	Palakkad Sricity Germany Japan ITALY CHENNAI GERMANY / PUNE Pune	
	Lube oil control valve	KOSO CCI BOMAFA MOTOYAMA NUOVO PIGNONE EMERSON SAMSON Forbes Arca INDIAN FORGING & STAMPING	Palakkad Sricity Germany Japan ITALY CHENNAI GERMANY / PUNE Pune INDIA	
	Lube oil control valve	KOSO CCI BOMAFA MOTOYAMA NUOVO PIGNONE EMERSON SAMSON Forbes Arca INDIAN FORGING & STAMPING HINDUSTAN FORGE	Palakkad Sricity Germany Japan ITALY CHENNAI GERMANY / PUNE Pune INDIA INDIA	
	Lube oil control valve	KOSO CCI BOMAFA MOTOYAMA NUOVO PIGNONE EMERSON SAMSON Forbes Arca INDIAN FORGING & STAMPING HINDUSTAN FORGE BAY FORGE	Palakkad Sricity Germany Japan ITALY CHENNAI GERMANY / PUNE Pune INDIA INDIA INDIA	
	Lube oil control valve	KOSO CCI BOMAFA MOTOYAMA NUOVO PIGNONE EMERSON SAMSON Forbes Arca INDIAN FORGING & STAMPING HINDUSTAN FORGE BAY FORGE VIKRANT FORGE	Palakkad Sricity Germany Japan ITALY CHENNAI GERMANY / PUNE PUNE INDIA INDIA INDIA INDIA	
	Lube oil control valve	KOSO CCI BOMAFA MOTOYAMA NUOVO PIGNONE EMERSON SAMSON Forbes Arca INDIAN FORGING & STAMPING HINDUSTAN FORGE BAY FORGE VIKRANT FORGE BHARAT FORGE	Palakkad Sricity Germany Japan ITALY CHENNAI GERMANY / PUNE Pune INDIA INDIA INDIA INDIA INDIA INDIA	
	Lube oil control valve	KOSO CCI BOMAFA MOTOYAMA MUOVO PIGNONE EMERSON SAMSON Forbes Arca INDIAN FORGING & STAMPING HINDUSTAN FORGE BAY FORGE VIKRANT FORGE BHARAT FORGE PUNJAB HAMMER	Palakkad Sricity Germany Japan ITALY CHENNAI GERMANY / PUNE Pune INDIA INDIA INDIA INDIA INDIA INDIA INDIA INDIA	
	Lube oil control valve	KOSO CCI BOMAFA MOTOYAMA MUOVO PIGNONE EMERSON SAMSON Forbes Arca INDIAN FORGING & STAMPING HINDUSTAN FORGE BAY FORGE VIKRANT FORGE BHARAT FORGE PUNJAB HAMMER KISSAN FORGING LTD.	Palakkad Sricity Germany Japan ITALY CHENNAI GERMANY / PUNE PUNE INDIA INDIA INDIA INDIA INDIA INDIA INDIA INDIA INDIA INDIA INDIA INDIA	# D = C = 1
	Lube oil control valve	KOSO CCI BOMAFA MOTOYAMA NUOVO PIGNONE EMERSON SAMSON Forbes Arca INDIAN FORGING & STAMPING HINDUSTAN FORGE BAY FORGE VIKRANT FORGE BHARAT FORGE PUNJAB HAMMER KISSAN FORGING LTD. CHW FORGE	Palakkad Sricity Germany Japan ITALY CHENNAI GERMANY / PUNE Pune INDIA INDIA INDIA INDIA INDIA INDIA INDIA INDIA INDIA INDIA INDIA INDIA INDIA INDIA INDIA INDIA INDIA	# Refer
	Lube oil control valve	KOSO CCI BOMAFA MOTOYAMA MUOVO PIGNONE EMERSON SAMSON Forbes Arca INDIAN FORGING & STAMPING HINDUSTAN FORGE BAY FORGE VIKRANT FORGE BHARAT FORGE PUNJAB HAMMER KISSAN FORGING LTD. CHW FORGE BHARAT FORGE BHARAT FORGE BHARAT FORGE	Palakkad Sricity Germany Japan ITALY CHENNAI GERMANY / PUNE PUNE INDIA	
77	Lube oil control valve - Self Regulating	KOSO CCI BOMAFA MOTOYAMA MUOVO PIGNONE EMERSON SAMSON Forbes Arca INDIAN FORGING & STAMPING HINDUSTAN FORGE BAY FORGE VIKRANT FORGE BHARAT FORGE PUNJAB HAMMER KISSAN FORGING LTD. CHW FORGE BHARAT FORGE CHW(CHAUDHRAY HAMMER WORKS)	Palakkad Sricity Germany Japan ITALY CHENNAI GERMANY / PUNE PUNE INDIA	# Refer Note
	Lube oil control valve - Self Regulating	KOSO CCI BOMAFA MOTOYAMA MUOVO PIGNONE EMERSON SAMSON Forbes Arca INDIAN FORGING & STAMPING HINDUSTAN FORGE BAY FORGE VIKRANT FORGE BHARAT FORGE PUNJAB HAMMER KISSAN FORGING LTD. CHW FORGE BHARAT FORGE CHW(CHAUDHRAY HAMMER WORKS) ECHJAY INDUSTRIES	Palakkad Sricity Germany Japan ITALY CHENNAI GERMANY / PUNE PUNE INDIA	
77	Lube oil control valve - Self Regulating ALLOY STEEL/CARBON STEEL	KOSO CCI BOMAFA MOTOYAMA NUOVO PIGNONE EMERSON SAMSON Forbes Arca INDIAN FORGING & STAMPING HINDUSTAN FORGE BAY FORGE VIKRANT FORGE BHARAT FORGE PUNJAB HAMMER KISSAN FORGING LTD. CHW FORGE BHARAT FORGE CHW(CHAUDHRAY HAMMER WORKS) ECHJAY INDUSTRIES LAL METAL	Palakkad Sricity Germany Japan ITALY CHENNAI GERMANY / PUNE PUNE Pune INDIA	
77	ALLOY STEEL/CARBON STEEL FORGING FOR	KOSO CCI BOMAFA MOTOYAMA NUOVO PIGNONE EMERSON SAMSON Forbes Arca INDIAN FORGING & STAMPING HINDUSTAN FORGE BAY FORGE VIKRANT FORGE BHARAT FORGE PUNJAB HAMMER KISSAN FORGING LTD. CHW FORGE BHARAT FORGE CHW(CHAUDHRAY HAMMER WORKS) ECHJAY INDUSTRIES LAL METAL PRAKASH YANTRA UDYOG PVT LTD.	Palakkad Sricity Germany Japan ITALY CHENNAI GERMANY / PUNE PUNE INDIA	
77	ALLOY STEEL/CARBON STEEL FORGING FOR	KOSO CCI BOMAFA MOTOYAMA NUOVO PIGNONE EMERSON SAMSON Forbes Arca INDIAN FORGING & STAMPING HINDUSTAN FORGE BAY FORGE VIKRANT FORGE BHARAT FORGE PUNJAB HAMMER KISSAN FORGING LTD. CHW FORGE BHARAT FORGE CHW(CHAUDHRAY HAMMER WORKS) ECHJAY INDUSTRIES LAL METAL PRAKASH YANTRA UDYOG PVT LTD. BAOSHAN IRON STEEL CO PRECISION STEEL TUBE	Palakkad Sricity Germany Japan ITALY CHENNAI GERMANY / PUNE PUNE Pune INDIA	
77	ALLOY STEEL/CARBON STEEL FORGING FOR	KOSO CCI BOMAFA MOTOYAMA NUOVO PIGNONE EMERSON SAMSON Forbes Arca INDIAN FORGING & STAMPING HINDUSTAN FORGE BAY FORGE VIKRANT FORGE BHARAT FORGE PUNJAB HAMMER KISSAN FORGING LTD. CHW FORGE BHARAT FORGE CHW(CHAUDHRAY HAMMER WORKS) ECHJAY INDUSTRIES LAL METAL PRAKASH YANTRA UDYOG PVT LTD.	Palakkad Sricity Germany Japan ITALY CHENNAI GERMANY / PUNE PUNE INDIA	

	1	SHANGHAI CHANGQIANG POWER STATION FITTINGS	China	
		CO., LTD.		
		GUIZHOU HANGTIAN XINLI	China	
		WUHAN HEAVY EQUIPMENT CO.,LTD	China	
		DEMECH	BARAMATI, PUNE	
		BMW STEEL	INDIA	
		ENVIRO-ABRASION RESISTANT ENGINEERS PVT LTD	PUNE	# Refer
		TURBO ENGINEERS (CBE)	COIMBATORE	
79	BASALT LINEDPIPE/FITTING &	HULUDAO CITY HUANENG INDUSTRIALCERAMICS	China	Note
13	BENDS	CO.,LTD		
		NANTONG GAOXIN ANTIWEARTECHNOLOGY CO., LTD	China	
			Cillia	
		SUZHOU SHANGCHUNYI	China	
				BHEL
		TIMKEN		BHEL
		A ITTA I	XICO/ GERMANY	
		NTN	NETERLANDS/FRANCE/GE RM	
			ANY/ITALY/ROMANIA	
		коуо	JAPAN	
80	Bearing	NKC	SWEADEN/INDIA/FRANCE/	
			IRE LAND/ITALY	
		SKF	GERMANY/JAPAN/SPAIN/F	
			RA NCE/BRAZIL	
		FAG	UK	
	+	HAYWARD TYLER ENGINEERED PRODUCTS LIMITED	CHINA	BHEL
				BHEL
		POWER CHINA SPEM CO. LTD.	GERMANY/ CHINA	
		KSB	JAPAN	
		TOROSIMA PUMP MFG CO LIMITED	WORLDWIDE	
		GE	HYDERABAD- INDIA	
		BHEL	UK, CHINA, MUMBAI INDIA	
	BOILERCIRCULATING/FE	SULZER	CHINA, SPAIN, COIMBATORE IN	DIA,
81	-	FLOWSERVE	UK	
	EDWATER PUMP (BFP)	CLADE UNION	JAPAN/CHINA	
		EBARA	JAPAN/CHINA	
		TORISIMA	JAPAN	
		HITACHI	JAPAN	
		MHI	KOREA	
		HYUNDAI HEAVY INDUSTRY LIMITED	CHINA	
		POWER CHINA SHANGHAI POWEREQUIPMENT MANUFAC	INDIA	
		TATA REFRACTORIES LTD.	INDIA	NA in STG
		CALDERYS INDIA REFRACTORIES LTD	INDIA	
		SHARADA CEREMICS PVT.LTD	INDIA	
		CARBORANDUM UNIVERSAL	INDIA	
•	CASTARI EREFRACTORY			
82	CASTABLEREFRACTORY	CASTWEL CANCED FEED ACTORIES CO. LTD.	CHINA	
		WUXI YIGANG REFRACTORIES CO.,LTD	CHINA	
		SUZHOU LANJING	CHINA	
		SHANDONG LUYANG	CHINA	
		HEBEI HUANENG	CHINA	
		BEIJING JINGCHENG COMPREWSSOR CO.	CHINA	NA
		BEIJING TITANGAO DIAPHRAGMCOMPRESSOR CO. LTD	CHINA	
83	COMPRESSORS-HYDROGEN			
93	Com Ressons-III Drogen	BEIJING HUIZHI ELECTROMECHANIC AL EQUIPMENT	GERMANY	
	1	CO. LTD		
		NEYMAN & ESSAR ENGG PVT LTD	JAPAN	
		TOSHIBA CORPORATION	INDIA	BHEL
		TOSHIBA CORPORATION BHEL	INDIA CHINA	BHEL
			CHINA	BHEL
	Combined main stop and	BHEL SHANGHAI TURBINE	CHINA CHINA	BHEL
84	control valve/combined reheat	BHEL	CHINA	BHEL
84	· ·	BHEL SHANGHAI TURBINE DONGFANG TURBINE CO.LTD ALONG WITH TRUBINE	CHINA CHINA INDIA	BHEL
84	control valve/combined reheat	BHEL SHANGHAI TURBINE	CHINA CHINA	BHEL
84	control valve/combined reheat	BHEL SHANGHAI TURBINE DONGFANG TURBINE CO.LTD ALONG WITH TRUBINE L & T VALVES	CHINA CHINA INDIA INDIA INDIA/KOREA/SWEDEN	BHEL
84	control valve/combined reheat	BHEL SHANGHAI TURBINE DONGFANG TURBINE CO.LTD ALONG WITH TRUBINE L & T VALVES CCI	CHINA CHINA INDIA INDIA INDIA/KOREA/SWEDEN GERMANY	BHEL
84	control valve/combined reheat	BHEL SHANGHAI TURBINE DONGFANG TURBINE CO.LTD ALONG WITH TRUBINE L & T VALVES CCI WILZMANN	CHINA CHINA INDIA INDIA INDIA/KOREA/SWEDEN GERMANY GERMANY	BHEL
84	control valve/combined reheat	BHEL SHANGHAI TURBINE DONGFANG TURBINE CO.LTD ALONG WITH TRUBINE L & T VALVES CCI WILZMANN FLEXICON	CHINA CHINA INDIA INDIA INDIA/KOREA/SWEDEN GERMANY GERMANY INDIA	BHEL NA in STG
84	control valve/combined reheat	BHEL SHANGHAI TURBINE DONGFANG TURBINE CO.LTD ALONG WITH TRUBINE L & T VALVES CCI WILZMANN FLEXICON KOMPAFLEX	CHINA CHINA INDIA INDIA INDIA/KOREA/SWEDEN GERMANY GERMANY	
84	control valve/combined reheat valve	BHEL SHANGHAI TURBINE DONGFANG TURBINE CO.LTD ALONG WITH TRUBINE L & T VALVES CCI WILZMANN FLEXICON KOMPAFLEX BERGMAN	CHINA CHINA INDIA INDIA INDIA/KOREA/SWEDEN GERMANY GERMANY INDIA INDIA	
	control valve/combined reheat valve COMPENSATOR - NON	BHEL SHANGHAI TURBINE DONGFANG TURBINE CO.LTD ALONG WITH TRUBINE L & T VALVES CCI WILZMANN FLEXICON KOMPAFLEX BERGMAN NANTONG SHUGUANG BELLOWS MANUFACTURING CO.,	CHINA CHINA INDIA INDIA INDIA/KOREA/SWEDEN GERMANY GERMANY INDIA	
84	control valve/combined reheat valve COMPENSATOR - NON METALLIC EXPANSION	BHEL SHANGHAI TURBINE DONGFANG TURBINE CO.LTD ALONG WITH TRUBINE L & T VALVES CCI WILZMANN FLEXICON KOMPAFLEX BERGMAN NANTONG SHUGUANG BELLOWS MANUFACTURING CO., LTD	CHINA CHINA INDIA INDIA INDIA/KOREA/SWEDEN GERMANY GERMANY INDIA INDIA CHINA	
	control valve/combined reheat valve COMPENSATOR - NON	BHEL SHANGHAI TURBINE DONGFANG TURBINE CO.LTD ALONG WITH TRUBINE L & T VALVES CCI WILZMANN FLEXICON KOMPAFLEX BERGMAN NANTONG SHUGUANG BELLOWS MANUFACTURING CO.,	CHINA CHINA INDIA INDIA/KOREA/SWEDEN GERMANY GERMANY INDIA INDIA CHINA INDIA	
	control valve/combined reheat valve COMPENSATOR - NON METALLIC EXPANSION	BHEL SHANGHAI TURBINE DONGFANG TURBINE CO.LTD ALONG WITH TRUBINE L & T VALVES CCI WILZMANN FLEXICON KOMPAFLEX BERGMAN NANTONG SHUGUANG BELLOWS MANUFACTURING CO., LTD	CHINA CHINA INDIA INDIA INDIA/KOREA/SWEDEN GERMANY GERMANY INDIA INDIA CHINA	
	control valve/combined reheat valve COMPENSATOR - NON METALLIC EXPANSION	BHEL SHANGHAI TURBINE DONGFANG TURBINE CO.LTD ALONG WITH TRUBINE L & T VALVES CCI WILZMANN FLEXICON KOMPAFLEX BERGMAN NANTONG SHUGUANG BELLOWS MANUFACTURING CO., LTD LONESTAR	CHINA CHINA INDIA INDIA/KOREA/SWEDEN GERMANY GERMANY INDIA INDIA CHINA INDIA	
	control valve/combined reheat valve COMPENSATOR - NON METALLIC EXPANSION	BHEL SHANGHAI TURBINE DONGFANG TURBINE CO.LTD ALONG WITH TRUBINE L & T VALVES CCI WILZMANN FLEXICON KOMPAFLEX BERGMAN NANTONG SHUGUANG BELLOWS MANUFACTURING CO., LTD LONESTAR FLEXATHRAM	CHINA CHINA INDIA INDIA INDIA/KOREA/SWEDEN GERMANY GERMANY INDIA INDIA INDIA INDIA INDIA INDIA INDIA INDIA	
	control valve/combined reheat valve COMPENSATOR - NON METALLIC EXPANSION	BHEL SHANGHAI TURBINE DONGFANG TURBINE CO.LTD ALONG WITH TRUBINE L & T VALVES CCI WILZMANN FLEXICON KOMPAFLEX BERGMAN NANTONG SHUGUANG BELLOWS MANUFACTURING CO., LTD LONESTAR FLEXATHRAM	CHINA CHINA INDIA INDIA INDIA/KOREA/SWEDEN GERMANY GERMANY INDIA INDIA INDIA INDIA INDIA INDIA INDIA INDIA	
	control valve/combined reheat valve COMPENSATOR - NON METALLIC EXPANSION	BHEL SHANGHAI TURBINE DONGFANG TURBINE CO.LTD ALONG WITH TRUBINE L & T VALVES CCI WILZMANN FLEXICON KOMPAFLEX BERGMAN NANTONG SHUGUANG BELLOWS MANUFACTURING CO., LTD LONESTAR FLEXATHRAM JIANGSU TONGYI ELECTRIC POWEREQUIPMENT CO.,LTD ALSTOM / GE POWER SYSTEM	CHINA CHINA INDIA INDIA INDIA/KOREA/SWEDEN GERMANY GERMANY INDIA INDIA INDIA INDIA INDIA INDIA INDIA INDIA INDIA INDIA INDIA INDIA FRANCE	
	control valve/combined reheat valve COMPENSATOR - NON METALLIC EXPANSION	BHEL SHANGHAI TURBINE DONGFANG TURBINE CO.LTD ALONG WITH TRUBINE L & T VALVES CCI WILZMANN FLEXICON KOMPAFLEX BERGMAN NANTONG SHUGUANG BELLOWS MANUFACTURING CO., LTD LONESTAR FLEXATHRAM JIANGSU TONGYI ELECTRIC POWEREQUIPMENT CO.,LTD ALSTOM / GE POWER SYSTEM BHI	CHINA CHINA INDIA INDIA INDIA/KOREA/SWEDEN GERMANY GERMANY INDIA INDIA INDIA INDIA INDIA INDIA INDIA FRANCE KOREA	
	control valve/combined reheat valve COMPENSATOR - NON METALLIC EXPANSION	BHEL SHANGHAI TURBINE DONGFANG TURBINE CO.LTD ALONG WITH TRUBINE L & T VALVES CCI WILZMANN FLEXICON KOMPAFLEX BERGMAN NANTONG SHUGUANG BELLOWS MANUFACTURING CO., LTD LONESTAR FLEXATHRAM JIANGSU TONGYI ELECTRIC POWEREQUIPMENT CO.,LTD ALSTOM / GE POWER SYSTEM BHI L&T	CHINA CHINA INDIA INDIA INDIA/KOREA/SWEDEN GERMANY GERMANY INDIA INDIA INDIA INDIA INDIA INDIA FRANCE KOREA HAZIRA	
	control valve/combined reheat valve COMPENSATOR - NON METALLIC EXPANSION	BHEL SHANGHAI TURBINE DONGFANG TURBINE CO.LTD ALONG WITH TRUBINE L & T VALVES CCI WILZMANN FLEXICON KOMPAFLEX BERGMAN NANTONG SHUGUANG BELLOWS MANUFACTURING CO., LTD LONESTAR FLEXATHRAM JIANGSU TONGYI ELECTRIC POWEREQUIPMENT CO.,LTD ALSTOM / GE POWER SYSTEM BHI L&T SIEMENS	CHINA CHINA INDIA INDIA INDIA/KOREA/SWEDEN GERMANY GERMANY INDIA INDIA INDIA INDIA INDIA INDIA FRANCE KOREA HAZIRA GERMANY	NA in STG
	control valve/combined reheat valve COMPENSATOR - NON METALLIC EXPANSION	BHEL SHANGHAI TURBINE DONGFANG TURBINE CO.LTD ALONG WITH TRUBINE L & T VALVES CCI WILZMANN FLEXICON KOMPAFLEX BERGMAN NANTONG SHUGUANG BELLOWS MANUFACTURING CO., LTD LONESTAR FLEXATHRAM JIANGSU TONGYI ELECTRIC POWEREQUIPMENT CO.,LTD ALSTOM / GE POWER SYSTEM BHI L&T	CHINA CHINA INDIA INDIA INDIA/KOREA/SWEDEN GERMANY GERMANY INDIA INDIA INDIA INDIA INDIA INDIA FRANCE KOREA HAZIRA	NA in STG

	1	CTE	lital V	
		STF FOSTER WHEELER	ITALY SPAIN	
86	CONDENSER	BHEL	HARDWAR-INDIA	
00	CONDENSER	GODRAJ	MUMBAI- INDIA	
		ISGEC	YAMUNANAAGAR-INDIA	
		SHANGHAI ELECTRIC GENERATION CO	CHINA	
		SHANGHAI ELECTRIC GROUP CO., LTD.	CHINA	
		DONGFANG TURBINE CO., LTD	CHINA	
		HARBIN TURBINE CO LTD	CHINA	
		HANGZHOU STEAM TURBINE CO., LTD.	CHINA	
		DONGFANG TURBINE CO.LTD.	CHINA	
		GEA-BGR	INDIA	BOI
		MULTITEX FILTER ENGINEERING CO	INDIA	
		TECHNO	FRANCE	
		TOPRAGGE	GERMANY, CHINA, KOREA	
		WUXI HONGXIANG POWER AUXILIARYEQUIPMENT CO., LTD.	CHINA	
		QINGDAO HUATAI ELECTRIC EQUIPMENT CO., LTD.	CHINA	
	CONDENSER ONLINETUBE	dingbao hoatal electric equipment co., etb.	CHINA	
	CLEANINGSYSTEM	SHANGHAI TAPROGGE WATER TECH ENGINEERING CO	CHINA	
	(RUBBERBALL CLEANING	LTD	Crimy	
87	SYSTEM AND MOTOR DRIVE	QINGDAO HUATAI ELECTRIC EQUIPMENTCO., LTD.	CHINA	
	WATER			
	PURIFIER)	CHINA HUADIAN ENGINEERING CO LTD	CHINA	[
		NANJING CEC ENVIRO- PRO ENGINEERING CO LTD	CHINA	1
		XI'AN THERMAL POWER RESEARCHINSTITITE CO LTD	CHINA	
		JIANGSHU ZHONGNENG POWER EQUIPMENT CO. LTD	CHINA	
		BACHMANN	INDIA	BHEL
		WUXI HUADONG ELECTRIC POWEREQUIPMENT CO LTD	CHINA	
		LANZUOU CHANCZIN BOWER FOLUBATAIT CO LTD	CHINA	
		LANZHOU CHANGZIN POWER EQUIPMENT CO LTD	CHINA	
		JIANGSU HAIHONG MACHINERY MANUFACTURING CO.	CHINA	
88	DAMPERS(GUILLOTINE	LTD	CHIIVA	
66	DAMPERAT ESP)	WUXI HUATONG ENVIRONMENTAL PROTECTION	CHINA	
		EQUIPMENT CO. LTD	Cimor	
		INDIRA DAMPERS	INDIA	
		FOURESS ENGINEERS	INDIA	
		DECCAN MECHANICAL & CHEMICAL INDUSTRIES PVT	INDIA	1
		LTD (DEMECH)		
		TOSHIBA CORPORATION	INDIA/CHINA	BHEL
		SHANGHAI ELECTRIC POWER	CHINA	
		EQUIPMENT CO. LTD. (SHANGHAI	CHINA	
		EQUIPMENT MANUFACTURING CO. LTD.)	CHINA	
		TJPS	CHINA/ INDIA	
		LARSEN & TOUBRO LTD	INDIA CHINA	
		SHANGHAI ELECTRIC POWERGENERATION EQUIPMENT CO. LTD.	CHINA	
		SHANGHAI ELECTRIC GENERATIONEQUIPMENT CO. LTD.	CHINA	
		S. J. A. S. J. A. ELLES INC. GENERATIONE CO. INC. INC. E. ID.	S V.	
		DONGFENG ELECTRIC HENAN POWERSTATION	CHINA	
		AUXILARY EQUIPMENT MFG. CO.		
		ALSTOM POWER SYSTEM	FRANCE	
89	DEAERATOR	HOLTEC	USA	
		STORK	NETHERLAND	
		GODREJ MNFR CO.	INDIA	
		ISGEC	INDIA	
		TEMA	INDIA	
		KASAS CITY DEAERATOR	USA	
		UNIVERSAL HEAT EXCHANGER	COIMBATORE	
		BGR ENERGY SYSTEM LIMITED ALSTOM BHARAT FORGE	INDIA SANAND - INDIA	
		SHANGHAI ELECTRIC CO (SEC)	CHINA	
		DONGFANG ELECTRIC CO (DEC)	CHINA	
		DONGFANG BOILER GROUP CO., LTD.	CHINA	
		HARBIN BOILER CO., LTD.	CHINA	
		HANGZHOU BOILER GROUP CO., LTD.	CHINA	
		VELAN	INDIA	BHEL
		L&T VALVES	INDIA	
		KSB	INDIA	
		MIL	INDIA	
		LVF	ITALY	
		DOUGLAS	ITALY	
		HP/KVT	KOREA/NETHERLANDS	
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	I	Type and	In	
90	DRAIN VALVES - BTG(HIGH	VELAN	INDIA/CANADA	_
,,	PRESSURE-IBR)	WEIR - BDK	INDIA	\dashv
		FOURESS	INDIA USA	_
		CONVAL SEMPELL	GERMANY	
		GRV	GERMANY	
		BOMAFA KSB	GERMANY	
		MILTON ROY	GERMANY	NA in STG
		VK PUMPS INDUSTRIED PVT. LTD.	INDIA/CHINA INDIA	NA III STG
	DOCING DUMP	POSITIVE METERING PUMP	INDIA	
91	DOSING PUMP	RUD INDIA LIMITED	INDIA	
		ROSEMOUNT	USA	
		CORI ENGINEERS	CHENNAI INDIA	BHEL
		SRM ECO FLEX	KOLKATA	BILL
	EXPANSION JOINTS	JIANGSU RISHENG	CHINA	
92	(RUBBER)	AEROSUN CORPORATION	CHINA	
		JIANGSU BAIXIN	CHINA	
		EBARA YOSHIKURA HYDROTEC LIMITED		OIL MODULE-BOI.
			JAPAN	OIL MODULE-BOI.
		MATHER & PLATT	INDIA	
	EMERGENCY OILPUMP FOR TG	KSB PUMPS	INDIA	
93		CHENGDU INSTITUTE OF PUMPSAPPLICATION	CHINA	
		TECHNOLOGY.		
		SULZER PUMPS INDIA LIMITED	INDIA/CHINA	
	+	DONGFANG TURBINE CO,.LTD.	CHINA	
		DIAMOND ENGG	INDIA	
		KPE	KOREA	
		SHANDONG YIJEHONGFENG ENERGY EQUIPMENT CO.	CHINA	
		SUNG CHANG INDUSTRY CO., LTD	KOREA	BHEL
		SAM JIN STEEL STRUCTURE CO., LTD	KOREA	
		BOSUNG POWERTEC. CO. LTD	KOREA	
		DONG AH CONSTRUCTION	KOREA	
		DAE JOO HEAVY INDUSTRIES	KOREA	
		SEUNG BOO INDUSTRY	KOREA	
		SHANDONG YIJIEHONGFENG ENERGY	CHINA	
		EQUIPMENT CO., LTD		
		SIMPLEX ENGG	INDIA	
	EARDICATION & SUPPLY OF	SHANGHAI BAOYE GROUP CORPORATION	CHINA	
94	FABRICATION & SUPPLY OF STEEL STRUCTURE	ZHEJIANG FEIDA ENVIRONMENT SCIENCE & TECHNOLOGY	CHINA	
		ZHEJIANG HANGXIAO STEEL STRUCTURE	CHINA	_
		CO., LTD	Ci iii V.	
		XINLAI CO. LTD QINGDAO	CHINA	
		QINGDAO EAST STEEL TOWER STOCK CO.	CHINA	
		LTD.	C V.	
		JSW SEVERFIELD	INDIA	
		TECHNO FAB	INDIA	
		FUJIAN LONG KING	CHINA	
		ZHEJIANG FEIDA ENVIRONMENT SCIENCE	CHINA	
		& TECHNOLOGY	J	
		ESSAR	INDIA	
		CAPACITE STRUCTURE (PRATIBHA	INDIA	\dashv
		MCC5 Group Corporation Limited(Shanghai)	CHINA	
	<u> </u>	CPI YUANDA ENIRONMENTAL	CHINA	Not in Scope
		PROTECTION ENGINEERING CO., LTD	5	1.30 m 500pc
		BHEL	INDIA	\dashv
		ZHEJIANG FEIDA	CHINA	\dashv
		THERMAX	INDIA	\dashv
		CHINA DATANG TECHNOLOGIES	CHINA	
		GE	INDIA	\dashv
		SPIC YUANDA ENVIRONMENTAL	CHINA	\dashv
		PROTECTION ENGINEERING CO., LTD	CHINA	
95	FGD	FJLK	CHINA	\dashv
		ISGEC	INDIA	\dashv
		BEIJING GUODIAN LONGYUAN	CHINA	\dashv
		ENVIRONMENTAL ENGINEERING CO., LTD	CHINA	
		WUHAN KAIDI ELECTRIC POWER	CHINA	\dashv
		ENVIRONMENT TECHNOLOGY CO., LTD	CHINA	
		LONGJING ENVIRONMENT TECHNOLOGY	CHINA	\dashv
		CO., LTD	Cimwi	
		DONGFANG BOILER GROUP CO.,	CHINA	
		BEIJING SPC ENVIRONMENT PROTECTION	CHINA	
		TECH CO., LTD		# Refer
		TECH CO., LTD DAEWOO BOLT CO.,LTD	KOREA	# Refer
		TECH CO., LTD DAEWOO BOLT CO.,LTD CESHIN METAL INDUSTRY CO.,LTD	KOREA	# Refer
		TECH CO., LTD DAEWOO BOLT CO.,LTD		

	I	BHARTI OVERSEAS	LUDHIANA	
		DEEPAK FASTENERS	LUDHIANA	
		SUNDARAM FASTENERS LTD.	PADI, CHENNAI	
	FASTENERS (GICS , HIGH	LAXHMI PRECISION SCREWS LTD.	ROHTAK, HARYANA	
96	TENSILE & SS)	PRECISION TAPS & DIES PVT. LTD.	KALINA, MUMBAI	
		GARG FASTENERS	LUDHIYANA	
		INDIAN STEEL AND WIRE PRODUCTS LTD.	JAMSHEDPUR	
		MULTI FASTENERS	VADODARA AHMEDABAD	
		MULTIFASTENERS	VADODARA AHMEDABAD	
		SHANGHAI HIGH SRENGTH BOLTS PLANT	CHINA	
		CO.,LTD		
		NINGBO HIGH STRENGTH BOLTS	CHINA	
		SHANGHAI BIAO WU	CHINA	
	FITTINGS, CS, LAS, HIGH PRESSURE, HIGH TEMP	TUBE PRODUCT	VADODARA	
		MS FITTINGS	KOLKATA	# Refer
97		PIPEFIT		
		GUJARAT INFRA		Note
		GAUTAM INDUSTRIES	MUMBAI	
		JIANGYIN LONGSHAN PIPE FITTING CO.	CHINA	
		SIDDHARTH GAUTAM	FARIDABAD	
		TUBE PRODUCT INCORPORATE	VADODARA	
		MS FITTINGS	KOLKATTA	
		UNITECH MACHINES LIMITED	SAHARANPUR	
98	FITTINGS-SS PIPE FITTINGS	JIANGYIN LONGSHAN PIPE FITTING CO.	CHINA	
		SIDDHARTH GAUTAM	INDIA	
		FENNER	CHENNAI	
		WELLMAN	KOLKATA	
		NAW	KOLKATA	
		BOHAI HEAVY INDUSTRY PIPELINE	CHINA	
		PREMIUM TRANSMISSION LTD.	AURANGABAD	
		FLUIDOMAT	DEVAS	# Refer
99	FLUID COUPLING	PEMBRILL	AURANGABAD	
		GUANGZHOU ZHONGXING HYDRAULIC	CHINA	Note
		COUPLING EQUIPMENT CO. LTD.		
		VOITH	HYDERABAD	

	1	ELECON	ANAND	
		STEEL PROJECTS INDIA PVT. LTD	INDIA	
		R.C. DAS ENGINEERING PVT. LTD	INDIA	
100	FOUNDATIONS BOLTS FOR	GTV ENGG. LTD.	INDIA	BHEL
100	BTG	DIAMOND ENGINEERING (CHENNAI) PVT	INDIA	BIILL
		NingBo Zhongjing electrical technolo Co.,LTD	CHINA	
		ZIGONG DONGFANG RENENG	CHINA	
	+	ARVIND COMPOSITE	AHMEDABAD	BHEL
		EPP COMPOSITE	RAJKOT	DILLE
	EDD Ladden	SUMIP COMPOSITES PVT LTD		
101	FRP Ladder		AHMEDABAD	
		ZIGONG DONGFANG EQUIPMENT	CHINA	
		ZIGONG DONGFANG STEEL STRUCTURE	CHINA	DITEI
		FOSHAN NANHAI DAHE	CHINA	BHEL
		ELECON	VV NAGAR	
		PREMIER TRANSMISSION LTD.	PUNE, 24 PARGANA (WB)	
		DAVID BROWN BHARAT FORGE GEAR SYSTEM INDIA LTD.	UK	
		HYOSUNG	SOUTH KOREA	
	CEAR BOX WITH	SEISA GEAR LTD	JAPAN	
	GEAR BOX WITH			
102	LUBRICATION SYSTEM &	FLENDER	CHINA	
	INPUT COUPLING-	SEW	CHINA	
		SHANTI	COIMBATORE	
		RADICON	USA, UK, THAILAND, AUSTRALIA	
		NEW ALLENBURY WORKS(NAW)	KOLKATA	
		BEIJING POWER EQUIPMENT GROUP (CHINA	
		SHANGHAI ELECTRIC SHMP PULVERIZING	CHINA	
		& SPECIAL EQUIPMENT CO.,LTD		
		DONGFANG TURBINE CO,.LTD.	CHINA	
		TSUBAKI NAKASHIMA CO LIMITED	JAPAN	
		SWEDEN OKAMOTO	JAPAN	
		SUIDEN OKAMOTO	JAPAN	
		TSUBAKI NAKASHIMA CO., LTD	JAPAN	BOI
		GE GODAVARI	MEDAK AP INDIA	
103	GLAND STEAM EXHAUSTER	MAZDA LIMITED	INDIA	
		HERING AG	GERMANY	
		DONGFANG TURBINE CO.LTD.	CHINA	
		HARBIN TURBINE AUXILIARY EQUIPMENT	CHINA	
		ENGINEERING CO., LTD		
		SHANGHAI ELECTRIC CORPORATION	CHINA	
		SUHHEUNG ENGINEERING CO., LTD	KOREA	NA in STG
		SANGJIN DEVELOPMENT CO., LTD	KOREA	
		KOOKJAE METAL CO., LTD	KOREA	
		KANADE ANAND UDYOG	INDIA	
		GREATWELD STEEL GRATING	INDIA	
		JAMNA METAL CO	INDIA	
		PATNY SYSTEMS P. LTD.	INDIA	
		SUTTATI	INDIA	
		GALFAN ENGINEERING	INDIA	
104	GRATING	XINXING STEEL GRATINGS	CHINA	
		CHENGDU STEEL PIPE	CHINA	
		WUXIZHENGDE	CHINA	
		SINOSTEEL	CHINA	
		INDIANA GRATINGS	PUNE	
		ELECTROFORGE	INDIA	
		ZIGONG DONGFANG EQUIPMENT	CHINA	
		ZIGONG DONGFANG STEEL STRUCTURE	CHINA	
			CLUMA	
		FOSHAN NANHAI DAHE	CHINA	DOL
		FOSHAN NANHAI DAHE GEA WESTFALIA SEPARATION	INDIA/GERMANY	BOI
		FOSHAN NANHAI DAHE GEA WESTFALIA SEPARATION PENWALT CORPORATION	INDIA/GERMANY UK	BOI
		FOSHAN NANHAI DAHE GEA WESTFALIA SEPARATION	INDIA/GERMANY	BOI
		FOSHAN NANHAI DAHE GEA WESTFALIA SEPARATION PENWALT CORPORATION HYDAC TECHNOLOGY FACET	INDIA/GERMANY UK GERMANY/POLAND/INDIA SPAIN	BOI
		FOSHAN NANHAI DAHE GEA WESTFALIA SEPARATION PENWALT CORPORATION HYDAC TECHNOLOGY FACET PALL CORPORATION	INDIA/GERMANY UK GERMANY/POLAND/INDIA SPAIN USA	BOI
105	LUBE OII PURIFIER	FOSHAN NANHAI DAHE GEA WESTFALIA SEPARATION PENWALT CORPORATION HYDAC TECHNOLOGY FACET PALL CORPORATION CHENGDU INSTITUTE OF PUMPS	INDIA/GERMANY UK GERMANY/POLAND/INDIA SPAIN USA CHINA	BOI
105	LUBE OIL PURIFIER	FOSHAN NANHAI DAHE GEA WESTFALIA SEPARATION PENWALT CORPORATION HYDAC TECHNOLOGY FACET PALL CORPORATION CHENGDU INSTITUTE OF PUMPS ROETRING	INDIA/GERMANY UK GERMANY/POLAND/INDIA SPAIN USA CHINA GERMANY	BOI
105	LUBE OIL PURIFIER	FOSHAN NANHAI DAHE GEA WESTFALIA SEPARATION PENWALT CORPORATION HYDAC TECHNOLOGY FACET PALL CORPORATION CHENGDU INSTITUTE OF PUMPS ROETRING KAYDON FILTRATION	INDIA/GERMANY UK GERMANY/POLAND/INDIA SPAIN USA CHINA GERMANY USA	BOI
105	LUBE OIL PURIFIER	FOSHAN NANHAI DAHE GEA WESTFALIA SEPARATION PENWALT CORPORATION HYDAC TECHNOLOGY FACET PALL CORPORATION CHENGDU INSTITUTE OF PUMPS ROETRING KAYDON FILTRATION ROCKFIN	INDIA/GERMANY UK GERMANY/POLAND/INDIA SPAIN USA CHINA GERMANY USA POLAND	BOI
105	LUBE OIL PURIFIER	FOSHAN NANHAI DAHE GEA WESTFALIA SEPARATION PENWALT CORPORATION HYDAC TECHNOLOGY FACET PALL CORPORATION CHENGDU INSTITUTE OF PUMPS ROETRING KAYDON FILTRATION	INDIA/GERMANY UK GERMANY/POLAND/INDIA SPAIN USA CHINA GERMANY USA	BOI

		JIANGSU AET TECHNOLOGY &		
		ENGINEERING CO. LTD.		
		JIANGSU ZHONGNENG POWER		BOI
		EQUIPMENT CO., LTD		
		WESTFALIA SEPERATOR	CHINA	
		ALFA LAVAL	INDIA /USA	
106	LUBE OIL STRAINER - TG	MIZUNDO	WORLDWIDE	
		EATON	WORLDWIDE	
		ROCKFIN	POLAND	
		HYDAC TECHNOLOGY	GERMANY/POLAND/INDIA	

		DONGFANG TURBINE CO.LTD.	CHINA	
		BOLL & KRICH FILTER	WORLDWIDE	_
		ALFA LAVAL	SWEDEN/ JAPAN	
		APV	USA	BOI
		GEA ECOFLEX	GERMANY	- 601
		IDMC	INDIA	_
107	MAIN OIL COOLER (PLATE	HISAKA WORKS	JAPAN	_
20,	TYPE)	TRANTER	India	
		DONGFANG TURBINE CO.LTD.	CHINA	_
		SPX (SHANGHAI) FLOW TECHNOLOGY CO.	CHINA	
		LTD.		
		LHE	KOREA	<u> </u>
		MYTEC	SOUTH KOREA	
		STANDARD EXCHANGE	USA	
		CONTAC	ITALY	OIL MODULE BOL
	MAIN OIL TANK VAPOUR	OHIRD SANGYO CO LIMITED	JAPAN	OIL MODULE-BOI.
108	EXECUTOR	SWEDEN OKAMOTO BLOWER CO LIMITED	JAPAN	
	EXECUTOR	TECHNO WASHING CO LIMITED	JAPAN	
		DONGFANG TURBINE CO.LTD.	CHINA	7
		HKR,INCHON	KOREA	BOI
		YONGKWANG FLEXIBLE INDUSTRIAL CO.,	KOREA	1
		CORI ENGINEERING	INDIA	1
		EAGLE BERGMANN	INDIA	1
		LONESTAR	CHENNAI	†
		SUR INDUSTRIES	KOLKATA	†
		FLEXICON BELLOWS& HOSES PVT LTD	VADODARA	+
		FLAXICON BELLOWS& HOSES PVT LTD	CHENNAI INDIA	-
				-
		MB METALLIC BELLOWS	CHENNAI INDIA	4
		WITZEMANN	GERMANY	4
		HKS	GERMANY-	4
		KOMPAFLEX	GERMANY-	_
		MOURO & MILLER	UK	
		BIRD PRECISION	UK	
109	METALLIC EXPANSION	TURBO FLEX	GERMANY	
		FLAXITHERM	VADODARA	
		SANGHAI HEAVY MACHINERY PLANT CO.	CHINA]
		ATULYA BELLOWS	INDIA	7
		B D EXPANSION	INDIA	1
		DONGFANG TURBINE CO.LTD.	CHINA	1
		HKR	KOREA	1
		NEURON	JAPAN	1
		NIPPON	JAPAN	1
		THERMOFLEX	JAPAN	1
		SJM	KOREA	1
		FLEXPERT	BELGAUM (KARNATAKA)	\dashv
			BEEGAOW (KAKNATAKA)	
		JIANGSU TONGYI ELECTRIC POWER EQUIPMENT CO.,LTD	CHINA	
	<u>†</u>	HENGYANG	CHINA	
		BENTELER STEEL TUBE GMBH	GERMANY	†
		HMT (HEAVY METAL TUBE)	INDIA	+
		IBF SPA	ITALY	-
		ļ		-
		IL JIN STEEL	KOREA	4
		ISMT (INDIAN SEAMLESS METAL TUBE)	INDIA	4
		JFE STEEL	JAPAN	4
		KASCO	KOREA	дъ с
		PRODUCTOS TUBULARES	SPAIN	# Refer
		SUMITOMO METAL / NSSMC	JAPAN	Note
		TENARIS	ITALY, ARGENTINA	
		TENARIS NKK	JAPAN	_
		BAO STEEL	CHINA	
	PIPE: CARBON/LOW ALLOY	CHANGZHOU CHANGBO PRECISION	CHINA	
	SEAMLESS PIPE(P11,	TIANJIN PIPE CORPORATION	CHINA	
110	P12,P22,ASTM A106 GR B) FOR	TPS	GERMANY	1
	BTG	US STEEL	USA	1
		V & M	FRANCE, GERMANY,	1
		WYMAN GORDON	USA	1
		YANGZHOU CHENGDE STEEL PIPE	CHINA	1
		VALLOUREC & MANNESMANN TUBEES	FRANCE/ GERMANY	†
		ARCELOR MITTAL TUBULAR PRODUCTS	ROMANIA / S.A.	+
		TUBOS REUNIDOS INDUSTRIAL S.L.U.	SPAIN	1
		VALCOVNY TRUB CHOMUTOV	CZECH REPUBLIC	-
				-
		TIANJIN PIPE CORPORATION	CHINA	4
		INNER MONGOLIA NORTHERN HEAVY	CHINA	
		INDUSTRIES GROUP		4
		CHANGZHOU CHANGBAO	CHINA	
		YANGZHOU LONTRIN	CHINA	_
	1	BAOSHAN IRON AND STEEL	CHINA	1
		SAIL	INDIA	

,		TATA STEEL	INDIA	
		JINDAL STEEL	INDIA	
		POSCO	KOREA	
		DILLINGER HUTTE	GERMANY	
		INDUSTEEL LOIRE	FRANCE	
		INDUSTEEL BELGIUM	BELGIUM	
		JFE STEEL	JAPAN	
		KOBE STEEL	JAPAN JAPAN	
		NSC / NSSMC	JAPAN	
		ARCELOR MITTAL	USA, NETHERLANDS	
		DONGKUK	KOREA	
		HYUNDAI HYSCRO	KOREA	7
		DKC	KOREA	# Refer
		ILSENBURGER	GERMANY	
		SALZGITTER	GERMANY	- Note
		SPECIAL METAL	USA	
		ALLEGHENY LUDLUM	USA	4
		NSSC	JAPAN	_
	PLATES - STRUCTURAL	NIPPON YAKIN	JAPAN	
111	STEEL	AK STEEL	USA	
		HANWHA	KOREA	7
ļ		ASAHI KASEI	JAPAN	7
		DMC NOBEL CLAD	USA	†
		JSW	JAPAN	-
				-
		VOEST ALPINE	AUSTRIA	-
		OUTOKUMPU STAINLESS AB, SPECIAL	GERMANY	4
		OUTOKUMPU STAINLESS AB, AVESTA	SWEDEN	_
		BAO STEEL	CHINA	_
		NOVELIS KOREA	KOREA	
		ESSAR STEEL	INDIA	7
		JOIL ALUMINUM	KOREA	1
		THYSSEN KRUPP VDM	GERMANY	╡
		WUYANG IRON AND STEEL	CHINA	┥
				-
		CHONGQING IRON AND STEEL	CHINA	-
		ANSHAN STEEL	CHINA	4
		BAOSHAN IRON AND STEEL	CHINA	_
		ANYANG IRON AND STEEL	CHINA	_
ļ		RIZHAO STEEL	CHINA	
ļ		WUHAN STEEL	CHINA	
		SAIL	INDIA	
		TATA STEEL	INDIA	7
		JSPL	INDIA	┥
		UTTAM VALUE STEEL (LLOYDS STEEL)	INDIA	
				# Refer
		RINL	INDIA	Note
		ESSAR STEEL	INDIA	INOLE
		BHUSHAN STEELS	INDIA	_
		ISPAT INDUSTRIES LTD	INDIA	_
ļ		WELSPUN CORP.	INDIA	
ļ		JSW/ISPAT	INDIA	7
		POSCO	KOREA	\dashv
		IDILLINGER	GFRMANY	-
		DILLINGER REINER BRANCH GMBH & CO. KG	GERMANY	_
	PLATES (PRESSURE	REINER BRANCH GMBH & CO. KG	GERMANY	
112	· ·	REINER BRANCH GMBH & CO. KG ILSENBURGER GROBBLECH (SALGZITTER		
112	PLATES (PRESSURE VESSEL)	REINER BRANCH GMBH & CO. KG ILSENBURGER GROBBLECH (SALGZITTER MANNESMAN)	GERMANY GERMANY	
112	· ·	REINER BRANCH GMBH & CO. KG ILSENBURGER GROBBLECH (SALGZITTER	GERMANY GERMANY AUSTRIA	
112	· ·	REINER BRANCH GMBH & CO. KG ILSENBURGER GROBBLECH (SALGZITTER MANNESMAN)	GERMANY GERMANY	
112	· ·	REINER BRANCH GMBH & CO. KG ILSENBURGER GROBBLECH (SALGZITTER MANNESMAN) VOESTALPINE GROBBLECH GMBH	GERMANY GERMANY AUSTRIA	
112	· ·	REINER BRANCH GMBH & CO. KG ILSENBURGER GROBBLECH (SALGZITTER MANNESMAN) VOESTALPINE GROBBLECH GMBH SUMITOMO METAL / NSSMC NIPPON STEEL CORPORATION	GERMANY GERMANY AUSTRIA JAPAN JAPAN	
112	· ·	REINER BRANCH GMBH & CO. KG ILSENBURGER GROBBLECH (SALGZITTER MANNESMAN) VOESTALPINE GROBBLECH GMBH SUMITOMO METAL / NSSMC NIPPON STEEL CORPORATION THYSSEN KRUPP STAHLUNION GMB	GERMANY GERMANY AUSTRIA JAPAN JAPAN GERMANY	
112	· ·	REINER BRANCH GMBH & CO. KG ILSENBURGER GROBBLECH (SALGZITTER MANNESMAN) VOESTALPINE GROBBLECH GMBH SUMITOMO METAL / NSSMC NIPPON STEEL CORPORATION THYSSEN KRUPP STAHLUNION GMB ARCELLER MITTAL	GERMANY GERMANY AUSTRIA JAPAN JAPAN GERMANY UK/ROMANIA/JAPAN	
112	· ·	REINER BRANCH GMBH & CO. KG ILSENBURGER GROBBLECH (SALGZITTER MANNESMAN) VOESTALPINE GROBBLECH GMBH SUMITOMO METAL / NSSMC NIPPON STEEL CORPORATION THYSSEN KRUPP STAHLUNION GMB ARCELLER MITTAL DONGKUK STEEL	GERMANY GERMANY AUSTRIA JAPAN JAPAN GERMANY UK/ROMANIA/JAPAN KOREA	
112	· ·	REINER BRANCH GMBH & CO. KG ILSENBURGER GROBBLECH (SALGZITTER MANNESMAN) VOESTALPINE GROBBLECH GMBH SUMITOMO METAL / NSSMC NIPPON STEEL CORPORATION THYSSEN KRUPP STAHLUNION GMB ARCELLER MITTAL DONGKUK STEEL CORUS	GERMANY GERMANY AUSTRIA JAPAN JAPAN GERMANY UK/ROMANIA/JAPAN KOREA UK	
112	· ·	REINER BRANCH GMBH & CO. KG ILSENBURGER GROBBLECH (SALGZITTER MANNESMAN) VOESTALPINE GROBBLECH GMBH SUMITOMO METAL / NSSMC NIPPON STEEL CORPORATION THYSSEN KRUPP STAHLUNION GMB ARCELLER MITTAL DONGKUK STEEL CORUS WUYANG IRON AND STEEL	GERMANY GERMANY AUSTRIA JAPAN JAPAN GERMANY UK/ROMANIA/JAPAN KOREA UK CHINA	
112	· ·	REINER BRANCH GMBH & CO. KG ILSENBURGER GROBBLECH (SALGZITTER MANNESMAN) VOESTALPINE GROBBLECH GMBH SUMITOMO METAL / NSSMC NIPPON STEEL CORPORATION THYSSEN KRUPP STAHLUNION GMB ARCELLER MITTAL DONGKUK STEEL CORUS WUYANG IRON AND STEEL CHONGQING IRON AND STEEL	GERMANY GERMANY AUSTRIA JAPAN JAPAN GERMANY UK/ROMANIA/JAPAN KOREA UK CHINA CHINA	
112	· ·	REINER BRANCH GMBH & CO. KG ILSENBURGER GROBBLECH (SALGZITTER MANNESMAN) VOESTALPINE GROBBLECH GMBH SUMITOMO METAL / NSSMC NIPPON STEEL CORPORATION THYSSEN KRUPP STAHLUNION GMB ARCELLER MITTAL DONGKUK STEEL CORUS WUYANG IRON AND STEEL CHONGQING IRON AND STEEL ANSHAN STEEL	GERMANY GERMANY AUSTRIA JAPAN JAPAN GERMANY UK/ROMANIA/JAPAN KOREA UK CHINA CHINA CHINA	
112	· ·	REINER BRANCH GMBH & CO. KG ILSENBURGER GROBBLECH (SALGZITTER MANNESMAN) VOESTALPINE GROBBLECH GMBH SUMITOMO METAL / NSSMC NIPPON STEEL CORPORATION THYSSEN KRUPP STAHLUNION GMB ARCELLER MITTAL DONGKUK STEEL CORUS WUYANG IRON AND STEEL CHONGQING IRON AND STEEL	GERMANY GERMANY AUSTRIA JAPAN JAPAN GERMANY UK/ROMANIA/JAPAN KOREA UK CHINA CHINA	
112	· ·	REINER BRANCH GMBH & CO. KG ILSENBURGER GROBBLECH (SALGZITTER MANNESMAN) VOESTALPINE GROBBLECH GMBH SUMITOMO METAL / NSSMC NIPPON STEEL CORPORATION THYSSEN KRUPP STAHLUNION GMB ARCELLER MITTAL DONGKUK STEEL CORUS WUYANG IRON AND STEEL CHONGQING IRON AND STEEL ANSHAN STEEL	GERMANY GERMANY AUSTRIA JAPAN JAPAN GERMANY UK/ROMANIA/JAPAN KOREA UK CHINA CHINA CHINA	
112	· ·	REINER BRANCH GMBH & CO. KG ILSENBURGER GROBBLECH (SALGZITTER MANNESMAN) VOESTALPINE GROBBLECH GMBH SUMITOMO METAL / NSSMC NIPPON STEEL CORPORATION THYSSEN KRUPP STAHLUNION GMB ARCELLER MITTAL DONGKUK STEEL CORUS WUYANG IRON AND STEEL CHONGQING IRON AND STEEL ANSHAN STEEL BAOSHAN IRON AND STEEL ANYANG IRON AND STEEL	GERMANY GERMANY AUSTRIA JAPAN JAPAN GERMANY UK/ROMANIA/JAPAN KOREA UK CHINA CHINA CHINA CHINA CHINA CHINA	
112	· ·	REINER BRANCH GMBH & CO. KG ILSENBURGER GROBBLECH (SALGZITTER MANNESMAN) VOESTALPINE GROBBLECH GMBH SUMITOMO METAL / NSSMC NIPPON STEEL CORPORATION THYSSEN KRUPP STAHLUNION GMB ARCELLER MITTAL DONGKUK STEEL CORUS WUYANG IRON AND STEEL CHONGQING IRON AND STEEL ANSHAN STEEL BAOSHAN IRON AND STEEL ANYANG IRON AND STEEL UTTAM VALUE STEEL (LLOYDS STEEL)	GERMANY GERMANY AUSTRIA JAPAN JAPAN GERMANY UK/ROMANIA/JAPAN KOREA UK CHINA CHINA CHINA CHINA CHINA CHINA CHINA INDIA	
112	· ·	REINER BRANCH GMBH & CO. KG ILSENBURGER GROBBLECH (SALGZITTER MANNESMAN) VOESTALPINE GROBBLECH GMBH SUMITOMO METAL / NSSMC NIPPON STEEL CORPORATION THYSSEN KRUPP STAHLUNION GMB ARCELLER MITTAL DONGKUK STEEL CORUS WUYANG IRON AND STEEL CHONGQING IRON AND STEEL ANSHAN STEEL BAOSHAN IRON AND STEEL ANYANG IRON AND STEEL UTTAM VALUE STEEL (LLOYDS STEEL) JSPL	GERMANY GERMANY AUSTRIA JAPAN JAPAN GERMANY UK/ROMANIA/JAPAN KOREA UK CHINA CHINA CHINA CHINA CHINA INDIA	
112	· ·	REINER BRANCH GMBH & CO. KG ILSENBURGER GROBBLECH (SALGZITTER MANNESMAN) VOESTALPINE GROBBLECH GMBH SUMITOMO METAL / NSSMC NIPPON STEEL CORPORATION THYSSEN KRUPP STAHLUNION GMB ARCELLER MITTAL DONGKUK STEEL CORUS WUYANG IRON AND STEEL CHONGQING IRON AND STEEL ANSHAN STEEL BAOSHAN IRON AND STEEL ANYANG IRON AND STEEL UTTAM VALUE STEEL (LLOYDS STEEL) JSPL ESSAR STEEL	GERMANY GERMANY AUSTRIA JAPAN JAPAN GERMANY UK/ROMANIA/JAPAN KOREA UK CHINA CHINA CHINA CHINA CHINA INDIA INDIA INDIA	<i>и</i> р. с
112	· ·	REINER BRANCH GMBH & CO. KG ILSENBURGER GROBBLECH (SALGZITTER MANNESMAN) VOESTALPINE GROBBLECH GMBH SUMITOMO METAL / NSSMC NIPPON STEEL CORPORATION THYSSEN KRUPP STAHLUNION GMB ARCELLER MITTAL DONGKUK STEEL CORUS WUYANG IRON AND STEEL CHONGQING IRON AND STEEL ANSHAN STEEL BAOSHAN IRON AND STEEL ANYANG IRON AND STEEL UTTAM VALUE STEEL (LLOYDS STEEL) JSPL ESSAR STEEL SAIL	GERMANY GERMANY AUSTRIA JAPAN JAPAN GERMANY UK/ROMANIA/JAPAN KOREA UK CHINA CHINA CHINA CHINA CHINA INDIA INDIA INDIA INDIA	# Refer
112	· ·	REINER BRANCH GMBH & CO. KG ILSENBURGER GROBBLECH (SALGZITTER MANNESMAN) VOESTALPINE GROBBLECH GMBH SUMITOMO METAL / NSSMC NIPPON STEEL CORPORATION THYSSEN KRUPP STAHLUNION GMB ARCELLER MITTAL DONGKUK STEEL CORUS WUYANG IRON AND STEEL CHONGQING IRON AND STEEL ANSHAN STEEL BAOSHAN IRON AND STEEL ANYANG IRON AND STEEL UTTAM VALUE STEEL (LLOYDS STEEL) JSPL ESSAR STEEL SAIL DILLINGER	GERMANY GERMANY AUSTRIA JAPAN JAPAN GERMANY UK/ROMANIA/JAPAN KOREA UK CHINA CHINA CHINA CHINA CHINA INDIA INDIA INDIA INDIA INDIA GERMANY	7
112	· ·	REINER BRANCH GMBH & CO. KG ILSENBURGER GROBBLECH (SALGZITTER MANNESMAN) VOESTALPINE GROBBLECH GMBH SUMITOMO METAL / NSSMC NIPPON STEEL CORPORATION THYSSEN KRUPP STAHLUNION GMB ARCELLER MITTAL DONGKUK STEEL CORUS WUYANG IRON AND STEEL CHONGQING IRON AND STEEL ANSHAN STEEL BAOSHAN IRON AND STEEL ANYANG IRON AND STEEL UTTAM VALUE STEEL (LLOYDS STEEL) JSPL ESSAR STEEL SAIL	GERMANY GERMANY AUSTRIA JAPAN JAPAN GERMANY UK/ROMANIA/JAPAN KOREA UK CHINA CHINA CHINA CHINA CHINA INDIA INDIA INDIA INDIA	# Refer Note
112	· ·	REINER BRANCH GMBH & CO. KG ILSENBURGER GROBBLECH (SALGZITTER MANNESMAN) VOESTALPINE GROBBLECH GMBH SUMITOMO METAL / NSSMC NIPPON STEEL CORPORATION THYSSEN KRUPP STAHLUNION GMB ARCELLER MITTAL DONGKUK STEEL CORUS WUYANG IRON AND STEEL CHONGQING IRON AND STEEL ANSHAN STEEL BAOSHAN IRON AND STEEL ANYANG IRON AND STEEL UTTAM VALUE STEEL (LLOYDS STEEL) JSPL ESSAR STEEL SAIL DILLINGER	GERMANY GERMANY AUSTRIA JAPAN JAPAN GERMANY UK/ROMANIA/JAPAN KOREA UK CHINA CHINA CHINA CHINA CHINA INDIA INDIA INDIA INDIA INDIA GERMANY	7
112	· ·	REINER BRANCH GMBH & CO. KG ILSENBURGER GROBBLECH (SALGZITTER MANNESMAN) VOESTALPINE GROBBLECH GMBH SUMITOMO METAL / NSSMC NIPPON STEEL CORPORATION THYSSEN KRUPP STAHLUNION GMB ARCELLER MITTAL DONGKUK STEEL CORUS WUYANG IRON AND STEEL CHONGQING IRON AND STEEL ANSHAN STEEL BAOSHAN IRON AND STEEL ANYANG IRON AND STEEL UTTAM VALUE STEEL (LLOYDS STEEL) JSPL ESSAR STEEL SAIL DILLINGER NIPPON STEEL CORPORATION JFE STEEL	GERMANY GERMANY AUSTRIA JAPAN JAPAN GERMANY UK/ROMANIA/JAPAN KOREA UK CHINA CHINA CHINA CHINA INDIA INDIA INDIA INDIA INDIA GERMANY JAPAN JAPAN	7
112	· ·	REINER BRANCH GMBH & CO. KG ILSENBURGER GROBBLECH (SALGZITTER MANNESMAN) VOESTALPINE GROBBLECH GMBH SUMITOMO METAL / NSSMC NIPPON STEEL CORPORATION THYSSEN KRUPP STAHLUNION GMB ARCELLER MITTAL DONGKUK STEEL CORUS WUYANG IRON AND STEEL CHONGQING IRON AND STEEL ANSHAN STEEL BAOSHAN IRON AND STEEL ANYANG IRON AND STEEL UTTAM VALUE STEEL (LLOYDS STEEL) JSPL ESSAR STEEL SAIL DILLINGER NIPPON STEEL CORPORATION JFE STEEL KOBE STEEL	GERMANY GERMANY AUSTRIA JAPAN JAPAN GERMANY UK/ROMANIA/JAPAN KOREA UK CHINA CHINA CHINA CHINA INDIA INDIA INDIA INDIA INDIA GERMANY JAPAN JAPAN JAPAN	7
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	VESSEL)	REINER BRANCH GMBH & CO. KG ILSENBURGER GROBBLECH (SALGZITTER MANNESMAN) VOESTALPINE GROBBLECH GMBH SUMITOMO METAL / NSSMC NIPPON STEEL CORPORATION THYSSEN KRUPP STAHLUNION GMB ARCELLER MITTAL DONGKUK STEEL CORUS WUYANG IRON AND STEEL CHONGQING IRON AND STEEL ANSHAN STEEL BAOSHAN IRON AND STEEL ANYANG IRON AND STEEL UTTAM VALUE STEEL (LLOYDS STEEL) JSPL ESSAR STEEL SAIL DILLINGER NIPPON STEEL CORPORATION JFE STEEL KOBE STEEL VOESTALPINE GROBBLECH GMBH POSCO	GERMANY GERMANY AUSTRIA JAPAN JAPAN GERMANY UK/ROMANIA/JAPAN KOREA UK CHINA CHINA CHINA CHINA INDIA INDIA INDIA INDIA INDIA INDIA GERMANY JAPAN JAPAN JAPAN AUSTRIA KOREA	7
	VESSEL) PLATE (LAS) FOR	REINER BRANCH GMBH & CO. KG ILSENBURGER GROBBLECH (SALGZITTER MANNESMAN) VOESTALPINE GROBBLECH GMBH SUMITOMO METAL / NSSMC NIPPON STEEL CORPORATION THYSSEN KRUPP STAHLUNION GMB ARCELLER MITTAL DONGKUK STEEL CORUS WUYANG IRON AND STEEL CHONGQING IRON AND STEEL ANSHAN STEEL BAOSHAN IRON AND STEEL ANYANG IRON AND STEEL UTTAM VALUE STEEL (LLOYDS STEEL) JSPL ESSAR STEEL SAIL DILLINGER NIPPON STEEL CORPORATION JFE STEEL KOBE STEEL VOESTALPINE GROBBLECH GMBH POSCO SALTZGUITTER	GERMANY GERMANY AUSTRIA JAPAN JAPAN GERMANY UK/ROMANIA/JAPAN KOREA UK CHINA CHINA CHINA CHINA CHINA INDIA INDIA INDIA INDIA INDIA GERMANY JAPAN JAPAN JAPAN AUSTRIA KOREA GERMANY	7
112	VESSEL) PLATE (LAS) FOR	REINER BRANCH GMBH & CO. KG ILSENBURGER GROBBLECH (SALGZITTER MANNESMAN) VOESTALPINE GROBBLECH GMBH SUMITOMO METAL / NSSMC NIPPON STEEL CORPORATION THYSSEN KRUPP STAHLUNION GMB ARCELLER MITTAL DONGKUK STEEL CORUS WUYANG IRON AND STEEL CHONGQING IRON AND STEEL ANSHAN STEEL BAOSHAN IRON AND STEEL ANYANG IRON AND STEEL UTTAM VALUE STEEL (LLOYDS STEEL) JSPL ESSAR STEEL SAIL DILLINGER NIPPON STEEL CORPORATION JFE STEEL KOBE STEEL VOESTALPINE GROBBLECH GMBH POSCO	GERMANY GERMANY AUSTRIA JAPAN JAPAN GERMANY UK/ROMANIA/JAPAN KOREA UK CHINA CHINA CHINA CHINA INDIA INDIA INDIA INDIA INDIA INDIA GERMANY JAPAN JAPAN JAPAN AUSTRIA KOREA	7

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		THYSSEN KRUPP	GERMANY	4
		CHONGQING IRON AND STEEL	CHINA	
		ANSHAN STEEL	CHINA	
		BAOSHAN IRON AND STEEL	CHINA	
		ANYANG IRON AND STEEL	CHINA	
		WUHAN STEEL	CHINA	
		JSL STAINLESS LTD	INDIA	
		SAIL	INDIA	
		INDUSTEEL	BELGIUM	-
	PLATES (SS) FOR PRESSURE VESSEL			-
		NIPPON STEEL CORPORATION	JAPAN	_
		KOBE STEEL	JAPAN	_
		SMST	JAPAN	
		DILLINGER	GERMANY	
		SALTZGUITTER	GERMANY	7
		POSCO	KOREA	\dashv
		SUMITOMO METAL / NSSMC	JAPAN	\dashv
114		OUTOKUMPO		-
			FINLAND	_
		VOESTALPINE	AUSTRIA	_
		DILLING-GTS VENTES	FRANCE	
		THYSSENKRUPP	GERMANY	\neg
		DAEKUNG	KOREA	
		SANDVIK GMBH	GERMANY	\dashv
		SHANXI TAIGANG STAINLESS	CHINA	-
				\dashv
		BAOSHAN IRON AND STEEL	CHINA	_
		ANSHAN STEEL	CHINA	
		SPIRAX MARSHALL	PUNE	BHEL / BOI
		CIRCOR	AHMEDABAD	
		BHEL	INDIA	7
		BOMAFA SPECIAL VALVE	INDIA	\dashv
11-	PRESSURE REDUCING AND	MECASTER FLOW SOLUTION PVT. LTD.	NARODA, AHMEDABAD	\dashv
115	DESUPERHEATIN G SYSTEM		·	\dashv
		JIANGSU ZHONGWEI MACHINERY	CHINA	
		MANUFACTURING CO,.LTD.		_
		CHINA VALVE CO,.LTD.	CHINA	
		L&T	INDIA	
		WPIL	GHAZIABAD/KOLKATTA	BHEL / BOI
		FLOWMORE KBL	GHAZIABAD	
			KIRLOSKARVADI	_
		KSB	PUNE/CHINA	_
		MATHER & PLATT	PUNE	
		FLOWSERVE CONTROLS INDIA LTD		
		SULZER PUMPS	MUMBAI/CHINA	
		SAM TURBO	COIMBATORE	7
			CHENNAI	
		EBARA MACHINARY ZIBO CO. LTD.	CHINA	\dashv
		DALIAN SONGLONG PUMP MANUFACTURE	CHINA	\dashv
			CHINA	
		CO., LTD.		_
		DALIAN DEEP BLUE PUMP CO., LTD.	CHINA	
	PUMP-HORIZONTAL	Guangzhou Xinheng Pump Manufacturing Co.,	China	
116	CENTRIFUGAL	Ltd.		
	CENTRIFOGAL			
		SHANGHAI PUMP MANUFACTURE CO	CHINA	\dashv
		SHANGHAI PUMP MANUFACTURE CO., XYLEM		
		XYLEM	CHINA	
		XYLEM TORISHIMA	CHINA CHINA	
		XYLEM TORISHIMA HITACHI PUMP MANUFACTURING (WUXI)	CHINA	
		XYLEM TORISHIMA HITACHI PUMP MANUFACTURING (WUXI) CO., LTD.	CHINA CHINA CHINA	
		XYLEM TORISHIMA HITACHI PUMP MANUFACTURING (WUXI) CO., LTD. ANDRITZ (CHINA) LTD.	CHINA CHINA CHINA	
		XYLEM TORISHIMA HITACHI PUMP MANUFACTURING (WUXI) CO., LTD.	CHINA CHINA CHINA	
		XYLEM TORISHIMA HITACHI PUMP MANUFACTURING (WUXI) CO., LTD. ANDRITZ (CHINA) LTD.	CHINA CHINA CHINA	
		XYLEM TORISHIMA HITACHI PUMP MANUFACTURING (WUXI) CO., LTD. ANDRITZ (CHINA) LTD. FLOWSERVE FLUID MOTION AND	CHINA CHINA CHINA CHINA CHINA	
		XYLEM TORISHIMA HITACHI PUMP MANUFACTURING (WUXI) CO., LTD. ANDRITZ (CHINA) LTD. FLOWSERVE FLUID MOTION AND CONTROL (SUZHOU) CO., LTD.	CHINA CHINA CHINA	
		XYLEM TORISHIMA HITACHI PUMP MANUFACTURING (WUXI) CO., LTD. ANDRITZ (CHINA) LTD. FLOWSERVE FLUID MOTION AND CONTROL (SUZHOU) CO., LTD. RUHRPUMPEN CHINA CO. LTD.	CHINA CHINA CHINA CHINA CHINA CHINA CHINA	
		XYLEM TORISHIMA HITACHI PUMP MANUFACTURING (WUXI) CO., LTD. ANDRITZ (CHINA) LTD. FLOWSERVE FLUID MOTION AND CONTROL (SUZHOU) CO., LTD. RUHRPUMPEN CHINA CO. LTD. Jiangsu Double-Wheel Pump Machinery Co., Ltd.	CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA	
		XYLEM TORISHIMA HITACHI PUMP MANUFACTURING (WUXI) CO., LTD. ANDRITZ (CHINA) LTD. FLOWSERVE FLUID MOTION AND CONTROL (SUZHOU) CO., LTD. RUHRPUMPEN CHINA CO. LTD. Jiangsu Double-Wheel Pump Machinery Co., Ltd. ARMSTRONG PUMPS CHANGSHA PUMP	CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA	
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		XYLEM TORISHIMA HITACHI PUMP MANUFACTURING (WUXI) CO., LTD. ANDRITZ (CHINA) LTD. FLOWSERVE FLUID MOTION AND CONTROL (SUZHOU) CO., LTD. RUHRPUMPEN CHINA CO. LTD. Jiangsu Double-Wheel Pump Machinery Co., Ltd. ARMSTRONG PUMPS CHANGSHA PUMP JIANGSU SHUANGDA PUMP RISHI INDUSTRIES	CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA SONIPAT	BHEL /
		XYLEM TORISHIMA HITACHI PUMP MANUFACTURING (WUXI) CO., LTD. ANDRITZ (CHINA) LTD. FLOWSERVE FLUID MOTION AND CONTROL (SUZHOU) CO., LTD. RUHRPUMPEN CHINA CO. LTD. Jiangsu Double-Wheel Pump Machinery Co., Ltd. ARMSTRONG PUMPS CHANGSHA PUMP JIANGSU SHUANGDA PUMP RISHI INDUSTRIES JASMINO POLYMERTECH PVT. LTD.	CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA SONIPAT RAIGAD	BHEL /
		XYLEM TORISHIMA HITACHI PUMP MANUFACTURING (WUXI) CO., LTD. ANDRITZ (CHINA) LTD. FLOWSERVE FLUID MOTION AND CONTROL (SUZHOU) CO., LTD. RUHRPUMPEN CHINA CO. LTD. Jiangsu Double-Wheel Pump Machinery Co., Ltd. ARMSTRONG PUMPS CHANGSHA PUMP JIANGSU SHUANGDA PUMP RISHI INDUSTRIES JASMINO POLYMERTECH PVT. LTD. ELASTOMER LINING WORKS	CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA SONIPAT RAIGAD THANE	BHEL /
	RUBBER LINING FOR	XYLEM TORISHIMA HITACHI PUMP MANUFACTURING (WUXI) CO., LTD. ANDRITZ (CHINA) LTD. FLOWSERVE FLUID MOTION AND CONTROL (SUZHOU) CO., LTD. RUHRPUMPEN CHINA CO. LTD. Jiangsu Double-Wheel Pump Machinery Co., Ltd. ARMSTRONG PUMPS CHANGSHA PUMP JIANGSU SHUANGDA PUMP RISHI INDUSTRIES JASMINO POLYMERTECH PVT. LTD.	CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA SONIPAT RAIGAD THANE VADODARA	
117	RUBBER LINING FOR PRSSURE VESSEL & PIPES-	XYLEM TORISHIMA HITACHI PUMP MANUFACTURING (WUXI) CO., LTD. ANDRITZ (CHINA) LTD. FLOWSERVE FLUID MOTION AND CONTROL (SUZHOU) CO., LTD. RUHRPUMPEN CHINA CO. LTD. Jiangsu Double-Wheel Pump Machinery Co., Ltd. ARMSTRONG PUMPS CHANGSHA PUMP JIANGSU SHUANGDA PUMP RISHI INDUSTRIES JASMINO POLYMERTECH PVT. LTD. ELASTOMER LINING WORKS	CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA SONIPAT RAIGAD THANE	# Refer
117	PRSSURE VESSEL & PIPES-	XYLEM TORISHIMA HITACHI PUMP MANUFACTURING (WUXI) CO., LTD. ANDRITZ (CHINA) LTD. FLOWSERVE FLUID MOTION AND CONTROL (SUZHOU) CO., LTD. RUHRPUMPEN CHINA CO. LTD. Jiangsu Double-Wheel Pump Machinery Co., Ltd. ARMSTRONG PUMPS CHANGSHA PUMP JIANGSU SHUANGDA PUMP RISHI INDUSTRIES JASMINO POLYMERTECH PVT. LTD. ELASTOMER LINING WORKS INDUSTRIAL LINING LATHIA POYMER	CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA SONIPAT RAIGAD THANE VADODARA	
117		XYLEM TORISHIMA HITACHI PUMP MANUFACTURING (WUXI) CO., LTD. ANDRITZ (CHINA) LTD. FLOWSERVE FLUID MOTION AND CONTROL (SUZHOU) CO., LTD. RUHRPUMPEN CHINA CO. LTD. Jiangsu Double-Wheel Pump Machinery Co., Ltd. ARMSTRONG PUMPS CHANGSHA PUMP JIANGSU SHUANGDA PUMP RISHI INDUSTRIES JASMINO POLYMERTECH PVT. LTD. ELASTOMER LINING WORKS INDUSTRIAL LINING LATHIA POYMER MADRAS INDUSTRIAL LINING	CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA THANE VADODARA AHMEDABAD CHENNAI	# Refer
117	PRSSURE VESSEL & PIPES-	XYLEM TORISHIMA HITACHI PUMP MANUFACTURING (WUXI) CO., LTD. ANDRITZ (CHINA) LTD. FLOWSERVE FLUID MOTION AND CONTROL (SUZHOU) CO., LTD. RUHRPUMPEN CHINA CO. LTD. Jiangsu Double-Wheel Pump Machinery Co., Ltd. ARMSTRONG PUMPS CHANGSHA PUMP JIANGSU SHUANGDA PUMP RISHI INDUSTRIES JASMINO POLYMERTECH PVT. LTD. ELASTOMER LINING WORKS INDUSTRIAL LINING LATHIA POYMER MADRAS INDUSTRIAL LINING SHRI RAM RUBTECH	CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA SONIPAT RAIGAD THANE VADODARA AHMEDABAD CHENNAI VADODARA	# Refer
117	PRSSURE VESSEL & PIPES-	XYLEM TORISHIMA HITACHI PUMP MANUFACTURING (WUXI) CO., LTD. ANDRITZ (CHINA) LTD. FLOWSERVE FLUID MOTION AND CONTROL (SUZHOU) CO., LTD. RUHRPUMPEN CHINA CO. LTD. Jiangsu Double-Wheel Pump Machinery Co., Ltd. ARMSTRONG PUMPS CHANGSHA PUMP JIANGSU SHUANGDA PUMP RISHI INDUSTRIES JASMINO POLYMERTECH PVT. LTD. ELASTOMER LINING WORKS INDUSTRIAL LINING LATHIA POYMER MADRAS INDUSTRIAL LINING SHRI RAM RUBTECH SHIV RUBTECH	CHINA ANGAD THANE VADODARA AHMEDABAD CHENNAI VADODARA AHMEDABAD	# Refer
117	PRSSURE VESSEL & PIPES-	TORISHIMA HITACHI PUMP MANUFACTURING (WUXI) CO., LTD. ANDRITZ (CHINA) LTD. FLOWSERVE FLUID MOTION AND CONTROL (SUZHOU) CO., LTD. RUHRPUMPEN CHINA CO. LTD. Jiangsu Double-Wheel Pump Machinery Co., Ltd. ARMSTRONG PUMPS CHANGSHA PUMP JIANGSU SHUANGDA PUMP RISHI INDUSTRIES JASMINO POLYMERTECH PVT. LTD. ELASTOMER LINING WORKS INDUSTRIAL LINING LATHIA POYMER MADRAS INDUSTRIAL LINING SHRI RAM RUBTECH SHIV RUBTECH WESTERN RUBBER	CHINA ANGAD THANE VADODARA AHMEDABAD CHENNAI VADODARA AHMEDABAD NAVI MUMBAI	# Refer Note
117	PRSSURE VESSEL & PIPES-	TORISHIMA HITACHI PUMP MANUFACTURING (WUXI) CO., LTD. ANDRITZ (CHINA) LTD. FLOWSERVE FLUID MOTION AND CONTROL (SUZHOU) CO., LTD. RUHRPUMPEN CHINA CO. LTD. Jiangsu Double-Wheel Pump Machinery Co., Ltd. ARMSTRONG PUMPS CHANGSHA PUMP JIANGSU SHUANGDA PUMP RISHI INDUSTRIES JASMINO POLYMERTECH PVT. LTD. ELASTOMER LINING WORKS INDUSTRIAL LINING LATHIA POYMER MADRAS INDUSTRIAL LINING SHRI RAM RUBTECH SHIV RUBTECH WESTERN RUBBER C. DOCTOR	CHINA SONIPAT RAIGAD THANE VADODARA AHMEDABAD CHENNAI VADODARA AHMEDABAD NAVI MUMBAI INDIA	# Refer
117	PRSSURE VESSEL & PIPES-	TORISHIMA HITACHI PUMP MANUFACTURING (WUXI) CO., LTD. ANDRITZ (CHINA) LTD. FLOWSERVE FLUID MOTION AND CONTROL (SUZHOU) CO., LTD. RUHRPUMPEN CHINA CO. LTD. Jiangsu Double-Wheel Pump Machinery Co., Ltd. ARMSTRONG PUMPS CHANGSHA PUMP JIANGSU SHUANGDA PUMP RISHI INDUSTRIES JASMINO POLYMERTECH PVT. LTD. ELASTOMER LINING WORKS INDUSTRIAL LINING LATHIA POYMER MADRAS INDUSTRIAL LINING SHRI RAM RUBTECH SHIV RUBTECH WESTERN RUBBER	CHINA AUGAD THANE VADODARA AHMEDABAD CHENNAI VADODARA AHMEDABAD NAVI MUMBAI INDIA	# Refer Note
117	PRSSURE VESSEL & PIPES-	TORISHIMA HITACHI PUMP MANUFACTURING (WUXI) CO., LTD. ANDRITZ (CHINA) LTD. FLOWSERVE FLUID MOTION AND CONTROL (SUZHOU) CO., LTD. RUHRPUMPEN CHINA CO. LTD. Jiangsu Double-Wheel Pump Machinery Co., Ltd. ARMSTRONG PUMPS CHANGSHA PUMP JIANGSU SHUANGDA PUMP RISHI INDUSTRIES JASMINO POLYMERTECH PVT. LTD. ELASTOMER LINING WORKS INDUSTRIAL LINING LATHIA POYMER MADRAS INDUSTRIAL LINING SHRI RAM RUBTECH SHIV RUBTECH WESTERN RUBBER C. DOCTOR	CHINA SONIPAT RAIGAD THANE VADODARA AHMEDABAD CHENNAI VADODARA AHMEDABAD NAVI MUMBAI INDIA	# Refer Note
117	PRSSURE VESSEL & PIPES-	XYLEM TORISHIMA HITACHI PUMP MANUFACTURING (WUXI) CO., LTD. ANDRITZ (CHINA) LTD. FLOWSERVE FLUID MOTION AND CONTROL (SUZHOU) CO., LTD. RUHRPUMPEN CHINA CO. LTD. Jiangsu Double-Wheel Pump Machinery Co., Ltd. ARMSTRONG PUMPS CHANGSHA PUMP JIANGSU SHUANGDA PUMP RISHI INDUSTRIES JASMINO POLYMERTECH PVT. LTD. ELASTOMER LINING WORKS INDUSTRIAL LINING LATHIA POYMER MADRAS INDUSTRIAL LINING SHRI RAM RUBTECH SHIV RUBTECH WESTERN RUBBER C. DOCTOR PATEL AIRTEMP	CHINA AUGAD THANE VADODARA AHMEDABAD CHENNAI VADODARA AHMEDABAD NAVI MUMBAI INDIA	# Refer Note
117	PRSSURE VESSEL & PIPES-	TORISHIMA HITACHI PUMP MANUFACTURING (WUXI) CO., LTD. ANDRITZ (CHINA) LTD. FLOWSERVE FLUID MOTION AND CONTROL (SUZHOU) CO., LTD. RUHRPUMPEN CHINA CO. LTD. Jiangsu Double-Wheel Pump Machinery Co., Ltd. ARMSTRONG PUMPS CHANGSHA PUMP JIANGSU SHUANGDA PUMP RISHI INDUSTRIES JASMINO POLYMERTECH PVT. LTD. ELASTOMER LINING WORKS INDUSTRIAL LINING LATHIA POYMER MADRAS INDUSTRIAL LINING SHRI RAM RUBTECH SHIV RUBTECH WESTERN RUBBER C. DOCTOR PATEL AIRTEMP MULTIMAX ENGINEERSWORKS	CHINA ANGER CHINA ANGER VADODARA AHMEDABAD CHENNAI VADODARA AHMEDABAD NAVI MUMBAI INDIA INDIA	# Refer Note

	1	BHEL	INDIA	
		DONGHWA MACHINERY & ENGINEERING	KOREA	
		CO.LTD.	NOREA	
		SHINHAN HEAT EXCHANGER CO.,LTD	KOREA	
		SHEATH TECH KOREA CO.,LTD	KOREA	
	SCAPH/RAPH/DE	ILHWA ENGINEERING CO.,LTD	KOREA	
118	SUPERHEATER- STEAM	GE	INDIA	
	COIL AIR PRE HEATER	OAK ENERGY (FORMERLY ALSTOM)	INDIA	
		SHANGHAI BOILER WORKS	CHINA	
		L &T HOWDEN	INDIA	
		HOWDEN HUA ENGINEERING CO.	CHINA	
		THERMAX	INDIA	
		UNIVERSAL HEAT EXCHANGER		
			INDIA	
		WUXI HUATONG	CHINA	
		QINGDAO DANENG	CHINA	
		JINAN SHANYUAN	CHINA	
		SPIRAX MARSHALL	INDIA	BOI
		GREAVES COTTON	INDIA	Customer control not
		FORBES MARSHAL	PUNE	required.
119	STEAM TRAP	UNIKLINGER	AHMEDNAGAR	
- 5		VIRGO ENGINEERS	PUNE	
		PENNANT	PUNE	
		THERMAX	INDIA	
		DONGFANG BOILER GROUP CO.,	CHINA	
		VALLOUREC & MANNESMANN TUBEES	FRANCE/ GERMANY	
		TENNARIS GLOBAL SERVICES S.A.	URUGUAY/ ITALY	
		NIPPON STEEL & SUMITIMO METAL	JAPAN	
		CORPORATION		
		JIANGSU CHANGDE STEEL TUBE SHARE CO.LTD YANGZHOU LONTRIN STEEL TUBE CO.LTD CHINA	CHINA	
			CHINA	
	TUBE: CARBON/LOW ALLOY		JAPAN	BHEL
120	SEAMLESS TUBE(T11, T12,	HENGYANG	CHINA	BILL
	T12-, T22, CS, T91) FOR BTG	TIANJIN PIPE CORPORATION	CHINA	
	112 , 122, 63, 191,1 3 1 2 1	JIANGSU CHENGDE	CHINA	
		INNER MONGOLIA NORTHERN HEAVY	CHINA	
		INDUSTRIES GROUP		
		CHANGZHOU CHANGBAO	CHINA	
		YANGZHOU CHENGDE STEEL PIPE	CHINA	
		YANGZHOU LONTRIN	CHINA	
		BAOSHAN IRON AND STEEL	CHINA	
		SUMITOMO METAL / NSSMC	JAPAN	
		SANYO SPECIAL STEEL	JAPAN	
		SALZGITTER MANNESMANN	ITALY	\dashv
		STAINLESS TUBE (SMST, DMV)	II OF I	
			CDAIN	
		TUBACEX TUBOS INOXIDABLES SPA	SPAIN	_
		POSCO SPECIALTY STEEL	KOREA	
		NSC / NSSMC	JAPAN	—
	TUBE: STAINLESS STEEL	RATNAMANI	INDIA	
	TUBE(SUPER 304H, SUPER	KUZE	JAPAN	
121	DUPLEX) FOR	TPS	GERMANY	
	BTG	ZM,SWITZELAND	SWITZELAND	
			SWEDEN	
		KOBE STEEL	JAPAN	
		PLYMOUTH	USA	
		FLIMOUTH	UJA	
		CENTRAVIS	UKRAINE	
		CENTRAVIS ,UKRAINE		
		CENTRAVIS ,UKRAINE TISCO	UKRAINE CHINA	
		CENTRAVIS ,UKRAINE	UKRAINE	
		CENTRAVIS ,UKRAINE TISCO	UKRAINE CHINA	
		CENTRAVIS ,UKRAINE TISCO HUADI STEEL GROUP	UKRAINE CHINA CHINA	
		CENTRAVIS ,UKRAINE TISCO HUADI STEEL GROUP NIPPON STEEL CORPORATION	UKRAINE CHINA CHINA JAPAN	
		CENTRAVIS ,UKRAINE TISCO HUADI STEEL GROUP NIPPON STEEL CORPORATION SAMSHIN	CHINA CHINA JAPAN KOREA	BHEL
		CENTRAVIS ,UKRAINE TISCO HUADI STEEL GROUP NIPPON STEEL CORPORATION SAMSHIN DKC CONTROL VALVE	UKRAINE CHINA CHINA JAPAN KOREA KOREA KOREA	BHEL
		CENTRAVIS ,UKRAINE TISCO HUADI STEEL GROUP NIPPON STEEL CORPORATION SAMSHIN DKC CONTROL VALVE DONGHAE VALVE TYCO VALVES	CHINA CHINA JAPAN KOREA KOREA KOREA HALOL, VADODARA	BHEL
		CENTRAVIS ,UKRAINE TISCO HUADI STEEL GROUP NIPPON STEEL CORPORATION SAMSHIN DKC CONTROL VALVE DONGHAE VALVE TYCO VALVES BRAY CONTROLS (INDIA) PVT. LTD.	UKRAINE CHINA CHINA JAPAN KOREA KOREA KOREA HALOL, VADODARA VADODARA	BHEL
		CENTRAVIS ,UKRAINE TISCO HUADI STEEL GROUP NIPPON STEEL CORPORATION SAMSHIN DKC CONTROL VALVE DONGHAE VALVE TYCO VALVES BRAY CONTROLS (INDIA) PVT. LTD. WEIR BDK	UKRAINE CHINA CHINA JAPAN KOREA KOREA KOREA HALOL, VADODARA VADODARA HUBLI	BHEL
		CENTRAVIS ,UKRAINE TISCO HUADI STEEL GROUP NIPPON STEEL CORPORATION SAMSHIN DKC CONTROL VALVE DONGHAE VALVE TYCO VALVES BRAY CONTROLS (INDIA) PVT. LTD. WEIR BDK ADVANCE VALVES	UKRAINE CHINA CHINA JAPAN KOREA KOREA KOREA HALOL, VADODARA VADODARA HUBLI NOIDA	BHEL
		CENTRAVIS ,UKRAINE TISCO HUADI STEEL GROUP NIPPON STEEL CORPORATION SAMSHIN DKC CONTROL VALVE DONGHAE VALVE TYCO VALVES BRAY CONTROLS (INDIA) PVT. LTD. WEIR BDK ADVANCE VALVES KBL	CHINA CHINA JAPAN KOREA KOREA KOREA HALOL, VADODARA VADODARA HUBLI NOIDA PUNE	BHEL
		CENTRAVIS ,UKRAINE TISCO HUADI STEEL GROUP NIPPON STEEL CORPORATION SAMSHIN DKC CONTROL VALVE DONGHAE VALVE TYCO VALVES BRAY CONTROLS (INDIA) PVT. LTD. WEIR BDK ADVANCE VALVES KBL FOURESS ENGINEERING	CHINA CHINA JAPAN KOREA KOREA KOREA HALOL, VADODARA VADODARA HUBLI NOIDA PUNE BANGALORE	BHEL
		CENTRAVIS ,UKRAINE TISCO HUADI STEEL GROUP NIPPON STEEL CORPORATION SAMSHIN DKC CONTROL VALVE DONGHAE VALVE TYCO VALVES BRAY CONTROLS (INDIA) PVT. LTD. WEIR BDK ADVANCE VALVES KBL FOURESS ENGINEERING CRANE PROCESS	UKRAINE CHINA CHINA JAPAN KOREA KOREA KOREA HALOL, VADODARA VADODARA HUBLI NOIDA PUNE BANGALORE PUNE	BHEL
	VALVES BUTTERELYMANT	CENTRAVIS ,UKRAINE TISCO HUADI STEEL GROUP NIPPON STEEL CORPORATION SAMSHIN DKC CONTROL VALVE DONGHAE VALVE TYCO VALVES BRAY CONTROLS (INDIA) PVT. LTD. WEIR BDK ADVANCE VALVES KBL FOURESS ENGINEERING CRANE PROCESS INTERVALVE	UKRAINE CHINA CHINA JAPAN KOREA KOREA KOREA HALOL, VADODARA VADODARA HUBLI NOIDA PUNE BANGALORE PUNE PUNE	BHEL
122	VALVES-BUTTERFLY VALVE (CS & CI)	CENTRAVIS ,UKRAINE TISCO HUADI STEEL GROUP NIPPON STEEL CORPORATION SAMSHIN DKC CONTROL VALVE DONGHAE VALVE TYCO VALVES BRAY CONTROLS (INDIA) PVT. LTD. WEIR BDK ADVANCE VALVES KBL FOURESS ENGINEERING CRANE PROCESS	UKRAINE CHINA CHINA JAPAN KOREA KOREA KOREA HALOL, VADODARA VADODARA HUBLI NOIDA PUNE BANGALORE PUNE	BHEL

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1		XIAMEN FREET FLUID CONTROL CO. LTD.	CHINA	
		L&T	CHENNAI/COIMBATORE	
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İ		QINGDAO POWER STATION VALVE	CHINA	
		DURKEN	USA	
		BRAY	USA	
		Trillium Weir	CHINA	
		KEYSTONE	USA	
		HE HARBIN POWER PLANT VALVE	CHINA	
		COMPANY LIMITED.		
	VALVE-DIAPHRAGM VALVE	CRANE PROCESS	PUNE	
		WEIR BDK	HUBLI	
		PROCON ENGINEERS	MUMBAI	# Refer
		ANTICO	VALSAD	
123		KBL	INDIA	Note
•	(AUTO & MANUAL)	DEMBLA	INDIA	
		GEMU	GERMANY	
		SED	GERMANY	
		AUDCO	INDIA	
		WEIR BDK	HUBLI	BHEL / BOI
		KBL VALVES	PUNE/KONDHAPURI	
		FOURESS ENGINEERING	MUMBAI	\dashv
		KSB	COIMBATORE	# Refer
		INTERVALVE	PUNE	
				Note
		CHINA SHUANGHENG	CHINA	
	VALVES-LOW PRESSURE GATE, GLOBE, CHECK AND BALL VALVES (CAST STEEL)	FREET	CHINA	
		BHEL	TRICHY	
		LEADER	JALANDHAR	
		STEEL STRONG VALVES	SANAND, MUMBAI	
		OSWAL INDUSTRIES LTD	AHMEDABAD	
		GM ENGG	RAJKOT	
		VELAN VALVE	INDIA	
124		SAMSHIN	KOREA	
		TYCO	ITALY	
		ADWARD	SINGAPORE	
		HP/KVT	KOREA/NETHERLANDS	
		FORBES MARSHALL		
		NITON VALVES PVT LTD	MUMBAI	
		MICRO FINISH VALVES	HUBLI	
		CRANE PROCESS	PUNE	
		L&T	CHENNAI/COIMBATORE	
		QINGDAO POWER STATION VALVE		-
		and broth of vertical trees	CHINA	
		HE HARBIN POWER PLANT VALVE	CHINA CHINA	
		HE HARBIN POWER PLANT VALVE		ВНЕГ
		HE HARBIN POWER PLANT VALVE COMPANY LIMITED.	CHINA	BHEL
		HE HARBIN POWER PLANT VALVE COMPANY LIMITED. BHEL	CHINA TRICHY	BHEL
		HE HARBIN POWER PLANT VALVE COMPANY LIMITED. BHEL SHANGHAI VALVES	CHINA TRICHY CHINA	BHEL
		HE HARBIN POWER PLANT VALVE COMPANY LIMITED. BHEL SHANGHAI VALVES PENTAIR SANMAR SPIRAX MARSHALL	CHINA TRICHY CHINA INDIA/USA USA	BHEL
		HE HARBIN POWER PLANT VALVE COMPANY LIMITED. BHEL SHANGHAI VALVES PENTAIR SANMAR SPIRAX MARSHALL OKANO VALVE	CHINA TRICHY CHINA INDIA/USA USA JAPAN	BHEL
		HE HARBIN POWER PLANT VALVE COMPANY LIMITED. BHEL SHANGHAI VALVES PENTAIR SANMAR SPIRAX MARSHALL OKANO VALVE FUKUI	CHINA TRICHY CHINA INDIA/ USA USA JAPAN JAPAN	BHEL
		HE HARBIN POWER PLANT VALVE COMPANY LIMITED. BHEL SHANGHAI VALVES PENTAIR SANMAR SPIRAX MARSHALL OKANO VALVE FUKUI BOPP & REUTHER	CHINA TRICHY CHINA INDIA/ USA USA JAPAN JAPAN GERMANY	BHEL
		HE HARBIN POWER PLANT VALVE COMPANY LIMITED. BHEL SHANGHAI VALVES PENTAIR SANMAR SPIRAX MARSHALL OKANO VALVE FUKUI BOPP & REUTHER SEMPELL AG	CHINA TRICHY CHINA INDIA/ USA USA JAPAN JAPAN GERMANY GERMANY	BHEL
		HE HARBIN POWER PLANT VALVE COMPANY LIMITED. BHEL SHANGHAI VALVES PENTAIR SANMAR SPIRAX MARSHALL OKANO VALVE FUKUI BOPP & REUTHER SEMPELL AG MEIWA CORPORATION	CHINA TRICHY CHINA INDIA/ USA USA JAPAN JAPAN GERMANY GERMANY JAPAN	BHEL
125	VALVE-SAFETY VALVE	HE HARBIN POWER PLANT VALVE COMPANY LIMITED. BHEL SHANGHAI VALVES PENTAIR SANMAR SPIRAX MARSHALL OKANO VALVE FUKUI BOPP & REUTHER SEMPELL AG MEIWA CORPORATION RIENEKE GMBH	CHINA TRICHY CHINA INDIA/ USA USA JAPAN JAPAN GERMANY GERMANY JAPAN GERMANY	BHEL
125	VALVE-SAFETY VALVE	HE HARBIN POWER PLANT VALVE COMPANY LIMITED. BHEL SHANGHAI VALVES PENTAIR SANMAR SPIRAX MARSHALL OKANO VALVE FUKUI BOPP & REUTHER SEMPELL AG MEIWA CORPORATION RIENEKE GMBH DRESSER	CHINA TRICHY CHINA INDIA/ USA USA JAPAN JAPAN GERMANY GERMANY JAPAN GERMANY JAPAN GERMANY USA	BHEL
125	VALVE-SAFETY VALVE	HE HARBIN POWER PLANT VALVE COMPANY LIMITED. BHEL SHANGHAI VALVES PENTAIR SANMAR SPIRAX MARSHALL OKANO VALVE FUKUI BOPP & REUTHER SEMPELL AG MEIWA CORPORATION RIENEKE GMBH DRESSER TYCO SANMAR LIMITED	CHINA TRICHY CHINA INDIA/ USA USA JAPAN JAPAN GERMANY GERMANY JAPAN GERMANY JAPAN GERMANY USA INDIA	BHEL
125	VALVE-SAFETY VALVE	HE HARBIN POWER PLANT VALVE COMPANY LIMITED. BHEL SHANGHAI VALVES PENTAIR SANMAR SPIRAX MARSHALL OKANO VALVE FUKUI BOPP & REUTHER SEMPELL AG MEIWA CORPORATION RIENEKE GMBH DRESSER TYCO SANMAR LIMITED KSB	CHINA TRICHY CHINA INDIA/ USA USA JAPAN JAPAN GERMANY GERMANY GERMANY USA INDIA INDIA GERMANY	BHEL
125	VALVE-SAFETY VALVE	HE HARBIN POWER PLANT VALVE COMPANY LIMITED. BHEL SHANGHAI VALVES PENTAIR SANMAR SPIRAX MARSHALL OKANO VALVE FUKUI BOPP & REUTHER SEMPELL AG MEIWA CORPORATION RIENEKE GMBH DRESSER TYCO SANMAR LIMITED KSB CROSSBY	CHINA TRICHY CHINA INDIA/ USA USA JAPAN JAPAN GERMANY GERMANY JAPAN GERMANY USA INDIA GERMANY USA	BHEL
125	VALVE-SAFETY VALVE	HE HARBIN POWER PLANT VALVE COMPANY LIMITED. BHEL SHANGHAI VALVES PENTAIR SANMAR SPIRAX MARSHALL OKANO VALVE FUKUI BOPP & REUTHER SEMPELL AG MEIWA CORPORATION RIENEKE GMBH DRESSER TYCO SANMAR LIMITED KSB CROSSBY WEIRBDK	CHINA TRICHY CHINA INDIA/ USA USA JAPAN JAPAN GERMANY GERMANY JAPAN GERMANY USA INDIA GERMANY USA INDIA INDIA/FRANCE	BHEL
125	VALVE-SAFETY VALVE	HE HARBIN POWER PLANT VALVE COMPANY LIMITED. BHEL SHANGHAI VALVES PENTAIR SANMAR SPIRAX MARSHALL OKANO VALVE FUKUI BOPP & REUTHER SEMPELL AG MEIWA CORPORATION RIENEKE GMBH DRESSER TYCO SANMAR LIMITED KSB CROSSBY WEIRBDK LESSER	CHINA TRICHY CHINA INDIA/ USA USA USA JAPAN JAPAN GERMANY GERMANY GERMANY USA INDIA INDIA GERMANY USA INDIA GERMANY USA INDIA/FRANCE GERMANY5	BHEL
125	VALVE-SAFETY VALVE	HE HARBIN POWER PLANT VALVE COMPANY LIMITED. BHEL SHANGHAI VALVES PENTAIR SANMAR SPIRAX MARSHALL OKANO VALVE FUKUI BOPP & REUTHER SEMPELL AG MEIWA CORPORATION RIENEKE GMBH DRESSER TYCO SANMAR LIMITED KSB CROSSBY WEIRBDK LESSER FORBES MARSHALL	CHINA TRICHY CHINA INDIA/ USA USA JAPAN JAPAN GERMANY GERMANY JAPAN GERMANY USA INDIA GERMANY USA INDIA GERMANY USA INDIA/ FRANCE GERMANY5 INDIA	BHEL
125	VALVE-SAFETY VALVE	HE HARBIN POWER PLANT VALVE COMPANY LIMITED. BHEL SHANGHAI VALVES PENTAIR SANMAR SPIRAX MARSHALL OKANO VALVE FUKUI BOPP & REUTHER SEMPELL AG MEIWA CORPORATION RIENEKE GMBH DRESSER TYCO SANMAR LIMITED KSB CROSSBY WEIRBDK LESSER FORBES MARSHALL BOPP & REUTHER	CHINA TRICHY CHINA INDIA/ USA USA JAPAN JAPAN GERMANY GERMANY JAPAN GERMANY USA INDIA GERMANY USA INDIA/ FRANCE GERMANY5 INDIA GERMANY5 INDIA GERMANY	BHEL
125	VALVE-SAFETY VALVE	HE HARBIN POWER PLANT VALVE COMPANY LIMITED. BHEL SHANGHAI VALVES PENTAIR SANMAR SPIRAX MARSHALL OKANO VALVE FUKUI BOPP & REUTHER SEMPELL AG MEIWA CORPORATION RIENEKE GMBH DRESSER TYCO SANMAR LIMITED KSB CROSSBY WEIRBDK LESSER FORBES MARSHALL	CHINA TRICHY CHINA INDIA/ USA USA JAPAN JAPAN GERMANY GERMANY JAPAN GERMANY USA INDIA GERMANY USA INDIA GERMANY USA INDIA/ FRANCE GERMANY5 INDIA	BHEL

For these items, refer "Final Resolution on categorization of materials wrt. Annexure-17 Dated15-9-23"

General Note: BHEL's unit wise vendor list signed by MEL QA may also be referred for the above list of items, as applicable