

RASHTRIYA ISPAT NIGAM LIMITED

VISAKHAPATNAM STEEL PLANT
VISAKHAPATNAM

APPROVED VENDOR LIST



DASTUR

M. N. DASTUR & COMPANY (P) LTD
CONSULTING ENGINEERS

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Sr. Manager (Mech.)-UT
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Design & Engineering Dept.
आर आई एन स्टील प्लांट इस्पात संयंत्र
RINL, Visakhapatnam Steel Plant
विशाखपट्टणम-Visakhapatnam-530 031


Rahul Kumar Bansal
Dy. Manager
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Bharat Heavy Electricals Limited
2nd Floor, KRIBHCO Bhawan
A-8-10, Sector-1, Noida-201 301 (U.P.)



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**RASHTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
LIST OF PREFERRED MAKES**

SL. NO.	COMPONENT	MAKE
I	MECHANICAL	
A	GENERAL	
1	HELICAL/BEVEL HELICAL GEAR BOX (SOLID SHAFT)	ELECON/ PREMIUM/SIEMENS/TIMKEN/SHANTHI
2	HELICAL/BEVEL HELICAL GEAR BOX (HOLLOW SHAFT)	ELECON/CYCLO/ PREMIUM/ SIEMENS/TIMKEN/SHANTHI/ROSSI
3	PLANETARY GEAR BOX	ELECON/CYCLO/ FLENDER/SIEMENS/TOP GEAR
4	WORM REDUCER	ELECON/NAW/ PREMIUM/NORD INDIA
5	HELICAL GEARED MOTOR	SEW/POWER BUILD/IC-BAUER/NAW / NORD INDIA / TIMKEN
6	WORM GEARED MOTOR	SEW/POWER BUILD/IC-BAUER/ NAW/ NORD INDIA / TIMKEN
7	LOW SPEED HIGH TORQUE HYDRAULIC MOTOR (COMPLETE WITH POWER UNIT AND HY-DRAULIC SYSTEM)	BOSCH REXROTH/PARKER
8	FLUID COUPLING	VOITH/ELECON/FLUIDOMAT/PEMBRIL (GREAVES)
9	TYRE COUPLING	LOVEJOY/FENNER/ ESKI /TIMKEN/ SIEMENS
10	GEAR COUPLING	NAW/FENNER/ELECON/LOVEJOY/CONCORD STEEL/ SIEMENS/AMERIDRIVE/JAURE
11	PIN-BUSH COUPLING	NAW/FENNER/LOVEJOY/ELECON/TIMKEN/SIEMENS/GBM
12	RESILIENT COUPLING	LOVEJOY (BIBBY)/GBM/FENNER/ELCON/KOP-FLEX
13	DISC BRAKE	KATEEL/SVENDBORG /BUBENZER
14	THRUSTER BRAKE	SVENDBORG/STROM KRAFT/KAKKU/ KATEEL
15	D.C.E.M BRAKE	BCH/STROM KRAFT/ELEKTROMAG/ KAKKU /KATEEL
16	SEIZE-RESISTANT BALL BEARING	SKF/ NBC / TIMKEN/ZKL
17	BALL BEARING	SKF/KOYO/NTN/NBC/FAG/ZKL / TIMKEN
18	ROLLER BEARING	SKF/KOYO/NTN/FAG/ZKL /TIMKEN
19	SPLIT ROLLER BEARING	COOPER/HKT (KOREA)/TIMKEN/LYC
20	LARGE DIAMETER SLEW BEARING	RUTHE-ERDE/LIEBHERR/ TIMKEN
21	FOUNDATION BOLT	NANDY WORKS/ZENTH ENTERPRISES/PROJECT TOOLINGS SYSTEMS/SUPREME
22	ROLLS	DEEM ROLL/TAYO/GPT/BHARAT FORGE
23	RECUPERATOR	EASTERN EQUIPMENT/L&T
24	CNC NOTCH MILLING & BRANDING MACHINE	HERCULEAS/SPARKONIX
25	CNC ROLL TURNING LATHE	HERCULEAS/ATOMAT/SAFOP
B	BELT CONVEYOR COMPONENT	
1	BELT CONVEYOR PULLEY	ELECON/TRF/KALI / BEVCON/INDIANA
2	BELT CONVEYOR IDLER SET	ELECON/TRF/KALI / BEVCON/INDIANA
3	EXTERNAL SCRAPER FOR BELT CONVEYOR	HOSCH/SCORPIO/THEJO/ KAVERI ULTRA POLYMERS
4	INTERNAL SCRAPER FOR BELT CONVEYOR	HOSCH/SCORPIO/THEJO/ KAVERI ULTRA POLYMERS
5	MODULAR SKIRT & SKIRT RUBBER	TEGA/THEJO/TECHNOFAB/KAVERI/FORECH
6	TRACKER ROLLER	HOSCH/KAVERI
7	IMPACT PAD FOR BELT CONVEYOR	TEGA/KAVERI/FORECH
8	CONVEYOR BELTING (STEEL CORD)	PHOENIX YULE/FORECH
9	CONVEYOR BELTING (FABRIC) ALL CATEGORIES	PHOENIX YULE/MRF/NORTH LAND/ ORIENTAL/ HINDUSTAN/ YOKOHAMA / FORECH / SAMPERTANS

preferred makes (with logo)

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SL. NO.	COMPONENT	MAKE
10	CONVEYOR BELTING (PIPE)	PHOENIX YULE/FORECH
11	CONVEYOR BELTING (HIGH ANGLE)	FLEXOWELL/SBS/PHONEX
12	BELT VULCANISING UNIT	THEJO/NILOS
C CHUTE & HOPPER LINER		
1	RUBBER LINER	TEGA/KAVERI/FORECH
2	UHMWPE LINER	KAVERI/POLI-HI SOLIDURE / TEGA
3	POLYURETHANE LINER	ELASTOKART/ KAVERI ULTRA POLYMERS / TEGA
4	DEPOSITED METAL LINER/ COMPOUND WEAR PLATES	CB&K/L&T/VAUDID/ ALLOY STEEL
5	CAST BASALT LINER	DEMECH /ABRESIST
6	CAST BASALT LINER	DEMECH/BMW STEELS/ABBRESIST
7	CERAMIC LINER	DEMAC/ABBRESIST
8	RUBBER BASE CERAMIC LINER (STEEL BACK)	DEMACH/TEGA/KAVERI
D MISCELLANEOUS COMPONENT & EQUIPMENT		
1	OVER BAND MAGNETIC SEPARATOR	ERIEZ/ELEKTROMAG/POWER BUILD/ELECTROZAVOD
2	SUSPENDED ELECTROMAGNET	ERIEZ/ELEKTROMAG/POWER BUILD/ELECTROZAVOD
3	METAL DETECTOR	THERMO-RAMSEY/ELEKTROMAG/ PBL / ELECTROZAVOD
4	BELT SCALE	SCHENCK J&N/IPA/TRANSWEIGH/KISTLER-MORSE/ PBL
5	BELT WEIGH FEEDER	SCHENCK/TRANSWEIGH/THERMO-RAMSEY/ KISTLER-MORSE / PRECIA MOLEN
6	MOTORISED LINEAR ACTUATOR	HEIN LEHMANN/INDIANA/PREPEC/ACTUATOR INDIA
7	ELECTRO-MAGNETIC VIBRO FEEDER	IC/ELECON/TRF/ELECKTROMAG/SAYAJI/
8	ELECTRO-MECHANICAL VIBRO FEEDER	IC/ELECON/TRF/MBE-SAYJI / ELECON
9	CIRCULAR MOTION VIBRATING SCREEN	IC/TRF/MBE-SAYAJI/METSO/SANDVIK
10	LINEAR MOTION VIBRATING SCREEN	IC/TRF/MBE-SAYJI /ELECON/METSO/SANDVIK
11	FLEXI-DECK VIBRATING SCREEN	HEIN LEHMANN/ BINDER
12	APRON FEEDER	TRF/L&T/MBE/ELECON/ TKII/ TSUBAKI
13	CRUSHER (CONE)	SANDVIK/HEC
14	CRUSHER (HAMMER MILL, ROLL & RING GRANULATOR	MBE-SAYAJI /TRF/SANDVIK/ TRF/ MBE-SAYJI/TKII
15	DOUBLE CONE VALVES	OLM/L&T
16	BURNER	OLM
17	COMBUSTION AIR BLOWER	FLAKT / TLT /ARF
18	TRANSMISSION CHAINS	ROLCON / TI / DIAMOND / ROLON
19	SPROCKET	ROLCON/TI/DIAMOND/ROLON
20	HYDRAULIC JACK	IMPORTED
21	PULLER	MAX-PULL / TRACTEL-TIRFOR / PULLMAN
22	HIGH ANGLE CONVEYOR	METSO/TRF
23	HIGH TENSILE FASTENERS	GKW / SUNDARAM / FIT TIGHT / UNBRAKO
24	PAINTS	ASIAN / J&N / ADDISON / GARWARE / BERGER/ SHALIMAR/ ICI / GOODLAS NEROLAC/ CHESTERTON/ MAKKCHEM/ CLEANCOATS

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SL. NO.	COMPONENT	MAKE
25	MANUFACTURING AND ASSEMBLY OF MECHANICAL EQUIPMENT/ ITEMS	L&T/ KCP/ SIMPLEX/ ISGEC/ BHILAI ENGG/ BEEKAY/ IMP/ PROFESSIONAL ENGRS/ TECHNOFAB/LLOYD/PP ROLLING/RANA UDYOG
26	FABRICATED EQUIPMENT/ ITEMS	HMTG/METAL FAB/ ROURKELA FABRICATORS/ L&T/ MECHMET/ ESSEN/ PROFESSIONAL ENGRS/ RAY INDUSTRIES/ BHILAI ENGG/PRATIBHA FLOECON ENGG./ NUBERG ENGG.
27	HYDRAULIC CYLINDER	VICKERS/WIPRO/YUKEN/PARKER/REXROTH/EATON/HUNGER
28	HYDRAULIC POWER PACK	BOSCH-REXROTH/VIKERS
29	ELECTROMAGNETIC CLUTCH	ELECTROMAG
30	RAIL CLAMP	BENGAL TECHNOCRATS
31	RUBBER BUFFER	RESISTOFLEX
32	PNEUMATIC CYLINDER	VELJAN/NEUCON/SCHRADER/PARKER/REXROTH
33	AIR BLASTER	TEGA/KAVARI
34	LUBRICATION SYSTEM (MOTORISED)	DELIMON/LUBCON/PRAKASH/ AFMC/LINCOLN
35	SAMPLER (SCOOP AND BOX TYPE)	ADVANCE SYSTEM/ EASTMAN CRUSHER/MERIT
36	ELEVATORS (FREIGHT & PASSENGER)	OTIS/KONE/THYSENKRUPP
37	ELEVATORS (RAKE & PINION)	MEKASTER/UNIVERSAL
38	BIN EXTRACTOR	MEYER/P&H/AMUND
39	BIN VIBRATOR	MITEK (AMIT ENGINEERS)/NATIONAL ELECTRIC
40	BIN WEIGHING SYSTEM (LOAD CELL BASED)	PRECIA MOLEN/KISTLER MORSE/ SCHENCK PROCESS
41	R&P GATE/FLAP GATE/SECTOR GATE	PREPEC / BEVCON / INDIANA
42	BULK LOADING SYSTEM	DCL/MIDWEST/PEBCO
43	BRU- BULK FEEDER	MAHINDRA CONVEYOR SYSTEM/ REDLER/FLS/McLANAHAN
44	CABLE REELING DRUM	ELECTRO ZAVOD/ BENGAL TECHNOCRAFT
45	DE SYSTEM	RECO/FLS/THERMAX/ALSTOM
46	DFDS SYSTEM	TPS/SSIPL/F HERLEY
47	BELT CHANGING STATION	BD IMPEX
48	RECLAIM FEEDER	McLANAHAN/JOY GLOBAL
49	CABLE TRAY	INDUSTRIAL PERFORATORS/DESAI AUTOCOM

II REFRACTORY AND INSULATING MATERIALS

1	ALUMINO SILICATE	TRL/ OCL/ MAITHAN/ OIL/ BRL/ MPR/ RASSI / VISHWAKARMA/ KABITA / MAHAKOSHAL VALLEY / MANISHRI/ RAJHANS/ SKG/ NILACHAL/NATIONAL/ASSOCIATED CERAMICS/ RHI/ BRAHMA/ TIRUMALESHA CERAMICS/ARVIND INDUSTRIES/CARBORANDUM UNIVERSAL LTD/REFCOM INDIA PVT LTD.
2	BASIC	TRL/ OIL/ OCL/ MPR/ BRL/ RASSI/ SKG/ BURN STANDARD
3	CASTABLES	TRL/ ACE CALDERYS/ OCL/ MPR/ BRL/ RASSI/ SKG/ OAL/ RHI/ VESUVIUS INDIA LTD./ REFCOM (INDIA) PVT. LTD./ IFGL/ ASSOCIATED CERAMICS LTD/ INDUSTRIAL ASSOCIATE
4	INSULATION MATERIALS	CUMI/ MAITHAN/ ACC REFRACTORIES/ ACHINT CHEMICALS/ RAJHANS/ SHARAD REFRACTORIES/ CHAMUND/TAP NIRODHAK NUTEC REFRACTORY/CALDERYS REFRACTORIES
5	BLANKET, FIBRE, BOARDS, FELTS, PAPERS ETC.	UNIFRAX/ MMTCL/ LLOYDS INSULATION/ MEGHA INSULATION/ HYDRABAD INDUSTRIES

III HANDLING EQUIPMENT

1	ELEVATOR	OTIS / THYSEN KRUPP (ECE) / KONE/ IBIJI
2	TANKER	NMF/ TPS

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Design & Engineering Dept.

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Rahul Kumar Bansal

Qy. Manager

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SL. NO.	COMPONENT	MAKE
3	TRANSFER CAR	TTW/METCO/IPM/ARMATIK
IV UTILITY SYSTEM		
A AIR CONDITIONING & VENTILATION SYSTEMS		
1	CHILLER UNITS	BLUE STAR/CARRIER/DUNHAM BUSH/ VOLTAS/ YORK/ TRANE/ KIRLOSKAR/ HITACHI
2	AIR HANDLING UNITS	BLUE STAR/CARRIER/EMERSON/ VOLTAS
3	PACKAGE AIR CONDITIONERS	BLUE STAR/CARRIER/EMERSON/ VOLTAS
4	SPLIT AIR CONDITIONERS	BLUE STAR/CARRIER/EMERSON/VOLTAS/ HITACHI/HAIER/ LG/ SAMSUNG
5	WINDOW AIR CONDITIONERS	BLUE STAR/CARRIER/VOLTAS/HITACHI/ SAMSUNG/ LG/HAIER
6	PACKAGE TYPE FRP COOLING TOWERS	DBR/HAMMON/PAHARPUR/SREERAM/THERMOPAK
7	VENTILATION SYSTEMS	C. DOCTOR/DUSTVEN/NADI/S.K SYSTEM/ VOLTAS/ ABB
8	CENTRIFUGAL/AXIAL FLOW FAN FOR VENTILATION SYSTEM	C. DOCTOR/ DUSTVEN/ NADI/ FLAKT/ S.K.SYSTEM
9	INSULATION	BEARDSHELL/FGP/LLOYD/UP TWIGA/ARMACEL
10	AIR FILTER	C. DOCTOR/DYNA/FMI/S.K SYSTEMS
11	GI SHEETS	JINDAL/SAIL/TATA/ISPAT/BHUSAN
12	ALUMINIUM SHEETS	BALCO/HINDALCO/INDAL
B AIR POLLUTION CONTROL SYSTEM		
1	BAG FILTER	ALSTOM/ACC/THERMAX/RIECO/BHEL THERMAX/RIECO/ALSTOM PROJECTS INDIA LTD/ACC/ ANFREW YULE/CLAIR ENGINEERS/HIMENVIRO/HAMMON/GEA/ AIR MOVEMENT & CONTROL SYSTEM
2	ESP	THERMAX/BHEL/ACC/ALSTOM POWER/HAMMON/GEA/ FL SMIDTH
3	FAN	FLAKT WOODS / TLT/C.DOCTOR/ANDREW YULE/BHEL/ARF/ NADI AIRTECHNICS/DUSTVEN/RITZ/ACCO/BATLIBOI
4	CHAIN CONVEYOR	DEMECH/MECP/ ENVIRO ABRASSION
5	EXPANSION JOINTS	KELD/GBM
6	DAMPER	FOURESS/BACHMAN/TSC
C PIPING SYSTEM		
1	PIPES	TATA/BST/JINDAL/THE INDIAN SEAMLESS & METAL TUBES/ MAHARASHTRA SEAMLESS/ SAIL/KALYANI SEAMLESS/ ISMT/ DADU PIPES/ ENGG. SERVICES/RATNAMANI/ANAND SEAMLESS
2	PIPE FITTINGS	N.L. HAZRA/SHYAM ENGG/LIFE STYLE MARKETING/ M.S.FITTINGS/ TEEKAY TUBE/TRUE FORGE/ CHARGESON/ VIVIAL FORGE PVT. LTD./ TUBE BENDS/ PROJECT TOOLING/ ENGINEERING SERVICES/TUBE TURN/DIAMOND FLANGES/TESHI/ ZENITH ENTERPRISE/ENGINEERING SPECIALITIES
3	TRAPS & STAINERS	UNI KLINGER/FORBES MARSHAL/ARMSTRONG
4	EXPANSION JOINTS (METALLIC & NON-METALLIC)	ZAVERCHAND/METTALIC BELLOW/SYSTEC FLEXO/IWKA/ SUR INDUSTRIES/PRECISE ENGINEERS/FLEXICAN
5	GAS TIGHT ISOLATOR	FOURESS/L&T
D. VALVES		
GATE, GLOBE & CHECK VALVES:		
1	CAST IRON	GM DALOI & SONS/ LEADER VALVES/LEVCON VALVES/ NECCO SCHUBERIL & SALZER LTD/UPADHYAYA VALVES/ H.SARKAR & CO./AV VALVES/IVC/SHIVA DURGA/VALTECH/ INDUSTRIES/FLUID LINE VALVES/HAWA ENGINEERING/ FLUID CONTROL EQUIPMENT
2	CAST CARBON STEEL	FISHER XOMER SANMAR/NECO SCHUBERT & SALZER/ L&T/

preferred makes (with logo)



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LIST OF PREFERRED MAKES**

SL. NO.	COMPONENT	MAKE
		LEADER VALVES/KSB PUMP/FOURESS/ BDK/AUDCO/ VALTECH INDUSTRIES/ HAWA ENGINEERING/AV VALVES/ OSWAL INDUSTRIES/ FLUID CONTROL EQUIPMENT
3	FORGED STEEL	AUDCO/BDK/FOURESS/LEADER/ NECO SCHUBERT/ FISHER-XOMOX/AV VALVES/ VALTECH INDUSTRIES/ HAWA ENGINEERING/OSWAL INDUSTRIES/FLUID CONTROL EQUIPMENT
	<u>BALL VALVES :</u>	
1	CAST IRON	AUDCO/BDK/FOURESS/REYNOLDS/ VALTECH INDUSTRIES
2	CAST CARBON STEEL	AUDCO/BDK/FOURESS/VIRGO/ FISHER-XOMOX SANMAR/ OSWAL INDUSTRIES/REYNOLDS/VALTECH INDUSTRIES/LEADER
3	FORGED STEEL	AUDCO/BDK/FOURESS/VIRGO/ OSWAL INDUSTRIES/LEADER/ REYNOLDS/ VALTECH INDUSTRIES
	<u>BUTTERFLY VALVES:</u>	
1	CAST IRON	AUDCO/BDK/FOURESS/INTER VALVE (INDIA) KSB PUMPS/ SHIVA DURGA/ UPADHAYA VALVES/HI-TECH BUTTERFLY VALVES HI-TECH BUTTERFLY VALVES / FLUID CONTROL EQUIPMENT
2	CAST CARBON STEEL	AUDCO/BDK/FOURESS ENGG./FLUID CONTROL EQUIPMENT INTERVALVE/HI-TECH BUTTERFLY VALVES/
3	FORGED STEEL	AUDCO/BDK/FOURESS ENGG(INDIA)/ INTERVALVES/ HI-TECH BUTTERFLY VALVES
	<u>PLUG VALVES :</u>	
1	CAST IRON	AUDCO/FISHER-XOMOX SANMAR
2	CARBON STEEL	AUDCO/FISHER-XOMOX SANMAR
3	FORGED STEEL	AUDCO/FISHER-XOMOX SANMAR
4	GOGGLE VALVE	AUDCO LTD/FOURESS ENGG (INDIA)/ Z&J TECHNOLOGIES GmbH JNM/FISHER-XOMOX SANMAR/ILP
5	CONTROL VALVES	JNM/FISHER XOMOX/FISHER ROSEMOUNT/METSO/ILP/ R.K CONTROL/TOSHNIWAL INDUSTRIES
6	PRESSURE RELEASE VALVES	JNM/ FISHER XOMOX/ AUDCO CROSBY
7	NEEDLE VALVES	FISHER XOMOX/TUFLIN/AUDCO/BDK
8	FLOAT VALVES	LEVCON/LEADER/SHIVA DURGA/UPADHYAY/IVI/IVC/ H.SARKAR/G.M.DALUI
9	AIR RELEASE VALVES	LEVCON/LEADER/SHIVA DURGA/UPADHYAY/IVI/IVC/ H.SARKAR/G.M.DALUI
E	SPRING SUPPORTS	SUPPORTS SYSTEM/TECHNO INDUSTRIES/PIPE SUPPORT ENGRS.
F	VALVE ACTUATORS	AUMA/LIMITORQUE/ROTORK CONTROLS/ EL-O-MATIC/ ROTEX AUTOMATION
G	AIR COMPRESSOR	ATLAS COPCO/IR/ELGI/KIRLOSKER PNEUMATICS
H	AIR DRYER	DELAIR/INDCON/ATLAS COPCO/PACE
I	INSULATION	LLOYDS INSULATION/ROCKWOOL INDIA/ FGP LIMITED/ JAYASHREE INSULATORS/ U.P.TWIGA FIBREGLOSS LTD.
J	HYDRAULIC SYSTEM	
1	HYDRAULIC SYSTEM	REXROTH/ EATON VICKERS/PARKER/YUKEN (JAPAN) /HYDAC
2	PUMPS (MAIN PUMPS)	REXROTH/ EATON VICKERS/PARKER/YUKEN (JAPAN)
3	<u>CIRCULATION PUMPS:</u>	
a)	SCREW PUMPS	ALWEILER/IMO/NORTEK SPAIN
b)	GEAR PUMPS	REXROTH/PARKER/RICKMEIER/OIL GEAR TOWLER
4	COMPENSATOR IN SUCTION LINE	REXROTH/PARKER/VICKERS/YUKEN (JAPAN)

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SL. NO.	COMPONENT	MAKE
5	VARIOUS TYPES OF HYDRAULIC VALVES	REXROTH/VICKERS/PARKER/YUKEN (JAPAN)
6	FILTERS	HYDAC/PALL/PARKER/EPE (UK) LIMITED/FILTEREC/INTERNORM
7	HEAT EXCHANGER (PLATE TYPE), GASKETTED DESIGN	ALFA LAVAL/GEA/TRANSTER
8	ACCUMULATORS	HYDAC/REXROTH/EPE (UK) LIMITED/PARKER
9	COUPLING	LOVE JOY/ROTEX (KTR)
10	PRESSURE SWITCH	REXROTH/DANFOSS/SWITZER/ VICKER/ PARKER/ HYDAC
11	SHUT-OFF VALVE (BALL TYPE)	FLUTEC/AUDCO/PARKER/HYDAC
12	SHUT-OFF VALVE (BUTTERFLY TYPE)	AUDCO/PENTAIR
13	MINIMESS COUPLING	STAUFF/HYDROTECHNIK
14	HYDRAULIC MOTORS	DANFOSS/STAFFA/PARKER
15	PROPORTIONAL VALVES	REXROTH/EATON VICKERS/PARKER/MOOG
16	SERVO VALVES	MOOG/REXROTH
17	WELD-ON TYPE PIPE FITTINGS	HYLOC/PARKER/AVIT
18	PIPE	GANDHI SPECIAL/INDIAN SEAMLESS/CHOWKSI TUBE/ HEAVY METAL AND TUBES/RATNAMANI METALS & TUBES
19	PRESSURE INDICATOR	WIKA/STAUFF/SWITZER
20	TEMPERATURE INDICATOR	SWITZER/WIKA/STAUFF
21	THERMOSTAT	INDFOSS/SWITZER/VARMA-TRAFAG
22	LEVEL INDICATOR	REXROTH/LEVCON/STAUFF/ EATON VICKERS/DR.TIEFENBACH/ TECHTROL
23	LEVEL SWITCH	LEVCON/ STAUFF/ DR. TIEFENBACH
24	HYDRAULIC CYLINDER	HUNGER/REXROTH/PARKER/HAINZL
25	SAE FLANGES	AVIT/PARKER/HYLOC
26	BUTT/SOCKET WELD FITTINGS	AVIT/PARKER/HYLOC
27	AIR BREATHER (WITH SILICA GEL)	HYDAC/STAUFF/PALL
28	PIPE CLAMP	STAUFF/HYLOC/HYDAIR/ PROJECT TOOLING/ZENITH
29	FLEXIBLE HOSE :	
a)	HOSE	GATES / AEROQUIP/MARRWEL
b)	HOSE ASSEMBLY	GATES/HYDROKRIMP A.C/INSAP/PARKER/K.B ENGINEERS
30	CENTRIFUGE	ALFA LAVAL/ GEA
31	MOBILE MOTORIZED PUMP-MOTOR-FILTER UNIT FOR OIL FILLING	HYDAC/PALL/INTERNORMEN/PARKER
32	LVDH	KLEENTEK/FERRO-CARE
33	ELECTROSTATIC LIQUID CLEANER	KLEENTEK/FERRO-CARE
34	HYDRAULIC SEALS	MERKEL/BUSAK SHAMBAN/HUNGER/HALLITE/PARKER
35	QUICK RELEASE COUPLING	PARKER/STAUFF/GUYSEN (USA)

K LUBRICATION SYSTEM

GREASE LUBRICATION SYSTEM :

1	GREASE LUBRICATION SYSTEM	LINCOLN HELIOS INDIA LTD/DELMON/AFMC
2	MAIN GREASE PUMPING STATION	LINCOLN HELIOS/DELMON/AFMC
3	METERING FEEDERS	LINCOLN HELIOS/DELMON/AFMC

preferred makes (with logo)

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Sr. Manager
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वी. संतोष रेडि.प. ३ फ़ाउण्डेशन प्रोजेक्ट
Sr. Manager Mech. Dept.
Design
आर. आर. ल. वि.
M/s. Visakhapatnam Steel Plant
आर. आर. ल. वि. ३ फ़ाउण्डेशन प्रोजेक्ट

**RASHTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
LIST OF PREFERRED MAKES**

291

SL. NO.	COMPONENT	MAKE
4	CHANGE OVER VALVES	LINCOLN HELIOS/DELIMON/AFMC
5	GREASE FILLING PUMP (ELECTRICAL)	LINCOLN HELIOS/DELIMON/AFMC
6	GREASE FILLING PUMP (PNEUMATIC)	ELGI/LINCOLN HELIOS/DELIMON
7	ISOLATION VALVES	FLUTEC/PARKER
8	FLEXIBLE HOSES	GATES/HYDROKRIMP A.C/INSAP
9	PIPES	GANDHI SPECIAL/INDIAN SEAMLESS/ CHOWSKI TUBES/ HEAVY METALS & TUBES/ RATNAMANI METALS & TUBES MAHARASHTRA SEAMLESS LTD.
10	FITTINGS	HYLOC/PARKER/AVIT/ HYDAIR
11	PRESSURE GAUGE	WIKI/SWITZER/STAUFF
12	PRESSURE SWITCH	LINCOLN HELIOS/DELIMON/AFMC
13	END OF LINE PRESSURE SWITCH	LINCOLN HELIOS/DELIMON/AFMC
L OIL LUBRICATION SYSTEM		
1	OIL LUBRICATION SYSTEM	SHAAN LUBE/LINCOLN HELIOS/PRAKASH LUBRICANTS/ HYDAC
2	SCREW PUMPS	ALWEILER/IMO
3	GEAR PUMPS	TUSHACO/ROTODEL
4	FILTERS	BOLL & KIRCH/PALL/ HYDAC
5	HEAT EXCHANGER (PLATE TYPE), GASKETED DESIGN	ALFA LAVAL/GEA/TRANSTER
6	VALVES (GLOBE, CHECK, BALL)	AUDCO/KSB/FOURESS/XOMOX
7	PLUG VALVES	AUDCO/XOMOX
8	RELIEF VALVE	LEADER/FORBES MARSHALL/SAMSON/R.K. CONTROLS
9	PRESSURE GAUGE	WIKI/STAUFF/SWITZER
10	PRESSURE SWITCH	INDFOSS/SWITZER/DANFOSS/HYDAC
11	TEMPERATURE INDICATOR	BELLS CONTROL/SWITZER/WIKI/STAUFF
12	TEMPERATURE SWITCH	INDFOS/SWITZER/WIKA
12	LEVEL INDICATOR	LEVCON
13	LEVEL SWITCH	LEVCON/BELLS CONTROL
14	FLOW SWITCH	LEVCON
15	COUPLING	LOVE JOY/ROTEX (KTR)
16	FLOW GAUGE	LEVCON
17	DIAPHRAGM REGULATING VALVES	FOURESS
18	VALVE POSITIONERS	FOURESS /ARCA CONTROLS/SAMSON
19	PNEUMATIC CONTROLLERS	TAYLOR
20	AIR BREATHER	HYDAC/PALL/PARKER
21	COMPENSATOR(S,S)	SURLUB/FLEXICAN/METALLIC BELLOWS
22	WATERLINE FILTER	SUPERFLO/J.N. MARSHALL
23	HEATER	ALCO
24	PIPES	TATA/BST/INDIAL/INDIAN SEAMLESS / MAHARASHTRA SEAMLESS/CHOWSKI TUBES/RATNAMANI METALS & TUBES
25	FITTINGS	N.L.HAZRA/SHYAM ENGINEERING
26	HOSES	GATES/INSAP/HYDROKRIMP A.C.

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VISAKHAPATNAM STEEL PLANT
LIST OF PREFERRED MAKES

SL. NO.	COMPONENT	MAKE
27	CENTRIFUGE	ALFA LAVAL/GEA
28	MOBILE MOTORIZED PUMP-MOTOR FILTER UNIT FOR OIL FILLING	HYDAC/PALL/INTERNORMEN/PARKER
M	AIR/OIL SYSTEM	REBS/LINCOLN
N	PNEUMATIC SYSTEM	
1	PNEUMATIC SYSTEM	FESTO/NUCON/ROSS/ SMC (JAPAN)
2	PNEUMATIC VALVES	FESTO/NUCON/ROSS/NORGREN/SMC(JAPAN)/HYDAC
3	PNEUMATIC FRL UNIT	VELJAN/SHAVO NORGREN /ROSS/SMC (JAPAN)/FESTO/WIKA/ SWITZER/DANFOSS
4	PNEUMATIC CYLINDERS	VELJAN/NUCON/FESTO/SCHRADER/NORGREN/SMC (JAPAN)/ PARKER/EASTERN PNEUMATICS/ROTEX MANUFACTURERS
5	PNEUMATIC AIR BOOSTER	SMC (JAPAN)
6	PRESSURE SWITCH	WIKA/SWITZER/DANFOSS
7	PRESSURE REDUCING VALVE	FESTO/NUCON/ROSS/ SMC (JAPAN)
8	PNEUMATIC SPEED CONTROL/ FLOW CONTROL VALVE	FESTO/NUCON/ROSS/ SMC (JAPAN)
9	AIRLINE SILENCER	FESTO/NUCON/ROSS/ SMC (JAPAN)
10	PNEUMATIC SOLENOID VALVE	FESTO/NUCON/ROSS/ SMC (JAPAN)
O	PNEUMATIC CONVEYING SYSTEM	RIECO/MBE/MACAWBER-BEEKAY/MAHINDRA ASHTECH/VCC/ ENERGO
P	PNEUMATIC SAMPLE CONVEYING SYSTEM	INDO-BERG LTD./ KERRY DRYING & CONVEYING SYSTEM (P) LTD/ KERRY ENGINEERING
Q	GAS HOLDER	CLAYTON WALKER/SMS DEMAG
R	PRESSURE VESSELS	BHARAT HEAVY PLATES & VESSELS/ ISGEC/DECTEL/L&T/BOC/ ASSOCIATED PLATES & VESSELS/LLOYDS STEEL/NUBERG ENGG.
S	FLARE STACK	AIRIL FLAREGAS/COMBUSTION CONTROL/ JOHN ZINK/ ADOR WELDING LTD.
T	ELECTRICAL HEAT TRACING	ADOR COOPERHEAT/RAYCHEM/THERMOGUARD/ INDCON PROJECTS & EQUIPMENT/ UNITECH SYSTEMS
U	FIRE DETECTION & ALARM SYSTEM	
1	DETECTOR (INTELLIGENT & ADDRESSABLE)	HONYWELL/EDWARD/SIEMENS WITH UL/ FM/ LPCB/VDS APPROVED
2	ALL MODULES (INTELLIGENT & ADDRESSABLE)	HONYWELL/EDWARD/SIEMENS WITH UL/ FM/ LPCB/VDS APPROVED
3	FIRE ALARM PANEL (INTELLIGENT & ADDRESSABLE)	HONYWELL/EDWARD/SIEMENS WITH UL/ FM/ LPCB/VDS APPROVED
4	REPEATER PANELS (INTELLIGENT & ADDRESSABLE)	HONYWELL/EDWARD/SIEMENS WITH UL/ FM/ LPCB/VDS APPROVED
6	MANUAL CALL POINTS (INTELLIGENT & ADDRESSABLE)	HONYWELL/EDWARD/SIEMENS WITH UL/ FM/ LPCB/VDS APPROVED
7	ELECTRONIC HOOTER (ADDRESSABLE)	HONYWELL/EDWARD/SIEMENS WITH UL/ FM/ LPCB/VDS APPROVED
V	WATER SYSTEM	
A	PUMPSETS	
1.	Horizontal centrifugal	KSB/KBL/M&P/BEACON WEIR
2.	Vertical centrifugal	KSB/KBL/SU MOTORS/GRUNDFOSS/ KISHOR
3.	Vertical turbine	KBL/WPL/M&P/JYOTI
4.	Submersible (borewell)	KSB/GRUNDFOSS/CRI/CALAMA
5.	Submersible drainage/sewage	KSB/GRUNDFOSS/SU/WASP/DARLIN/KBL/KISHOR/MBLI

preferred makes (with logo)



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DR. S. SANTOSH REDDY
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 Visakhapatnam-530 011



**RASHTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
LIST OF PREFERRED MAKES**

SL. NO.	COMPONENT	MAKE
6.	Slurry/sludge	WARMAN/DENVER/HDO/AKAY/BDK/SAM TURBO/ SVEDALA/WEIR MINERALS/METSO MINERALS
7.	Sewage	KBL/M&P/KISHOR/MBH/KSB/SAM TURBO
8.	Chemical (centrifugal)	AKAY/KHIMLINE/KSB/KBL/PROCESS PUMPS/ANTICO/SAM TURBO
9.	Dosing (Pos. disp)	ASIA-LMI/PROMINENT/SHAPOTOOLS/VK PUMPS/GRUNDFOSS
10.	Blowers	KAY/SWAM/EVEREST/ NADI/FLAKT/BATLIBOI/DUVENT/ KLEENAIR
11.	RO HIGH PRESSURE PUMP	GRUNDFOSS/ KSB/ KBL/ M & P
B. COOLING TOWERS		
1.	Cooling tower	PCT/GAMMON/HAMMON/THERMOPACK/SOUTHERN COOLING TOWERS
2.	Cooling tower fan	COOL FLOW/RECONDO/HAMMON STORK/PCT
3.	Cooling tower gear box	ELECON/RADICON/PCT
C. ENGINE		
D. HEAT EXCHANGER		
1.	Plate type	ALFA LAVAL/TRANTER/GEA/NATIONAL DAIRY DEVELOPMENT/ SCHMIDT-BRETEN INDIA
2.	Finned tube type	PCT/GEA/BHPV
E. TREATMENT PLANTS		
1.	Filtration plant	
	- high rate	THERMAX/NICCO/VATECH/ION EXCHANGE/TATA PROJECTS
	- ordinary	THERMAX/NICCO/MARS MINERALS/RESIN/VATECH/ ION EXCHANGE
2.	Waste water treatment plant equipment	FL SMIDTH/THERMAX/EIMCO KCP/NICCO/HDO/PARAMOUNT/ TRIVENI
3.	Reverse osmosis (R.O.) plant	THERMAX/VATECH/DEGREMONT
4.	R.O. membrane	FILMTECH/TORRE/HYDRONAUTICS/OSMONICS
5.	Ultra filtration membrane	KOCH/FILMTECH/HYDRONAUTICS/XENON/NORIT
6.	Centrifuge/Decanter	ALFA LAVAL/PENWALT/HUMBOLDT WEDAG/ANDRITZ
7.	Filter Press	PRESWELL FILTERS (DINSHAW)/NAVIGRE/ANDRITZ/AUTOTEC/ FL SMIDTH

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 Dy. Manager
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**RASHTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
LIST OF PREFERRED MAKES**

SL. NO.	COMPONENT	MAKE
F	PIPES & PIPE FITTINGS	
1.	Carbon steel pipes (ERW/FW/SPW)	JINDAL/SAIL/TATA/MSL/RSP/BST/PSL, VIZAG/RATNAMANI/WELSPUN/MAHARASHTRA SEAMLESS LTD
2.	Carbon steel seamless tubes (Upto DN 80)	TATA/GANDHI TUBES/INDIAN SEAMLESS/MAHARASHTRA SEAMLESS/JINDAL
3.	Stainless steel pipes	CHOKSI/RATNAMANI/ZENITH/STERLING/STANDARD/SAIL/BHARAT PIPES AND FITTINGS
4.	FRP pipes and fittings	FIBRO PLASTICHEM/NOCIL/PIL/COROMONDEL/ORISSA PLASTICS/GRAPHITE/INDIA/STRATEGIC ENGG
5.	FRP vessels/tanks/lining of tanks	FIBRO PLASTICHEM/NOCIL/PIL/COROMONDEL/ORISSA PLASTICS/DEVI POLYMERS/SINTEX/STRATEGIC ENGG.
6.	CI pipes	ELECTROSTEEL/ ASOKA FERROCAST/ KESORAM/KEJRIWAL
7.	DI pipes	ELECTROSTEEL/KALAHASTI/JSW
8.	RCC pipes	IHP/OCL
9.	HDPE/PVC pipes (with ISI mark only)	NOCIL/PIL/CPE/MANIKYA/HASTI/ORIPLAST/GODAVARI/MARUTI/RELIANCE
10.	Pipe fittings (MS/SS/CI)	N.L. HAZRA/M.S. FITTINGS/SHYAM ENGG
11.	Gaskets	CHAMPION/IGP/REINZ/TALBROS/ZAVARCHAND/UNIKLINGER/MECH PICKLING/PRIMER GASKET
12.	Expansion joints (metallics and non-metallics)	METALLIC BELLOW/IWKA/KELD-ELENOTOFT/SUR INDUSTRIES/D WREN/SYSTEC/CORI/LONESTAR
13.	Hoses including rubber steel cladding	HYDROCRIMP/SENIOR INDIA/BENGAL INDUSTRIES/PAREKH BROTHERS
14.	Stainless steel hoses	BENGAL INDUSTRIES/SENIOR INDIA/PAREKH BROTHERS
G	VALVES	
1.	CI valves (gate, globe, NRV)	IVC/BDK/H. SARKAR/DURGA VALVES/AV VALVES/FOURESS/KBL
2.	Gates (Cast Steel or Forged Steel)	L&T/KSB/FOURESS/BDK/KBL/NECO/HI-TECH/AV VALVES/IVC/XOMOX/BHEL/AUDCO/OSWAL/VAAS/R&D MULTIPLE
3.	Globe (Cast Steel or Forged Steel)	BHEL/L&T/KSB/FOURESS/BDK/KBL/NECO/HI-TECH AV VALVES/LEADER/OSWAL/VAAS
4.	Swing check (CS)	BHEL/L&T/KSB/FOURESS/BDK/KBL/NECO/VAAS/OSWAL/ HI-TECH/ R&D MULTIPLE
5.	Lift check	LEADER/UPADHYAY/IVC
6.	Check valve	L&T/ADVANCE/BDK/R&D MULTIPLE/FOURESS/BHEL/KSB/ KBL/AV VALVES/IVC/HI-TECH
7.	Strainer (with SS wedge wire filter element)/filters (manual)	SUPERFLO/FILTRATION ENGG/BOLL & KIRCH/IMETROL/ OTOKLIN/JPG
8.	Sluice gate	IVC/JASH/DURGA/ R&D MULTIPLE
9.	Safety valves	AUDO/FORBES MARSHALL/FOURESS/DANFOSS/BHEL/JNM/ INSTRUMENTATION LTD.
10.	Pressure reducing valves	JNM/FISCHER/ XOMOX/METSO (BLUESTAR)
11.	Butterfly valves	L&T/AUDCO/XOMOX/BDK/INTERVALVE/BDK/VAG/HI-TECH/ ADVANCE/R&D MULTIPLE
12.	Control valves	FISCHER/XOMOX/DRESSER MASONEILAN/ FOURESS/ INSTRUMENTATION LTD./ SAMSON CONTROLS/ FORBES MARSHALL (ARCA)/ DEMBLA
13.	Solenoid valves	AVCON/ROTEX MANUFACTURERS/ ASCO/ SCHRADER/ BURKERT
14.	Needle valves	FISHER XOMOX/TUFLIN/L&T/AUDCO/BDK/METSO

preferred makes (with logo)

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Design &
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Visakhapatnam-530 001



**RASHTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
LIST OF PREFERRED MAKES**

SL. NO.	COMPONENT	MAKE
15.	Ball valves	L&T/KSB/BDK/VIRGO/FISCHER/XOMOX/ VAAS/AUDCO
16.	Float valve	LEADER/UPADHYAY/IVC/H.SARKAR/DURGA VALVES
17.	Air release valve	LEADER/UPADHYAY/IVC/H. SARKAR/FLUID CONTROL/ VAG/FOURESS/M&P/R&D MULTIPLE
18.	Plug valves	AUDCO/FISCHER/XOMOX/SANMAR/CHEMTROL/BDK
19.	Knife gate valve	VAAS/FOURESS/BDK/VAG/MICRO FINISH/KEYSTONE/JASH
20.	Diaphragm valve	BDK/SAUNDERS/CRANE
21.	Landing valve	ASCO STRUMECH/NEW AGE/STEELAGE INDUSTRIES
H Miscellaneous		
1.	Chlorination equipment	CAPITAL CONTROL/BANACO/PENWALT
2.	Chemical dosing system	BETZ/NALCO/DREW
3.	Firefighting system	M&P/VIJAY/NEW AGE/UTC FIRE & SECURITY/MEHTA/ DE'S TECHNICO/TYCO FIRE & SECURITY/STERLING WILSON/ SIEMENS/FLEXITECH TECHNICO/MINIMAX/KIDDE/AGNICE
4.	Surge/water hammer control system	SURESEAL/FOURESS
5.	Clarifier/thickener mechanism	HDO/TRIVENI/EIMCO-KCP/THERMAX/VATECH/VOLTAS/ DORR EIMCO (GLV)/RAMAKRISHNA/NEO PARISRUDHAN
6.	Sludge scraper	MATA/RAMAKRISHNA
7.	Mechanical seal	SEALOL/DURAMETALLIC/BURGMANN/FLOWSERVE
8.	Chemical dosing equipment (stirrer, flocculator etc)	REMI/VOLTAS/HDO/GRUNDFOSS/KSB/ABS/DRIPLEX/ NALCO/VATECH
9.	Oil skimmer (belt, tube, MOP, floating disc)	OIL SKIMMER INC. USA/ABANAKI/JIT ENGG.
10.	Auto backwash strainer	AMIAD/HYDAC/BOLL & KIRCH/FILTOMAT/DANGO & DANEIL
11.	Centrifugal solid liquid separator	LAKOS/TIMEX
12.	Float type level indicator	LEVCON/DK INSTRUMENTS/CHEMTROLS SAMIL
13.	Dust suppression system (sprinkler/dry-fog type)	TPS/F.HARLEY/KAVERI/PROJECTS & CONTROLS
14.	Chemical dosing and chlorination system	NALCO/BETZ/GRUNDFOSS/PURITA WATER/IEC
15.	Tape (buried pipelines)	IWL/CARPOTES/KUSHTECH/HIMADRI CHEMICALS
16.	RO Pressure Vessel	ADVANCE COMPOSITE/MAXIMA
17.	Agitator/ Flocculator/Flash Mixer	STANDARD ENGINEERS/REMI/DELKOR/FIBRE & FIBRE/ PROMINENT/HYDELBERG/RAMKRISHNA
VI LABORATORY EQUIPMENT		
1.	INSTRUMENTAL ANALYSIS EQUIPMENT	SPECTRO/PANALYTICAL/THERMO ELECTRON/LECO/ ROSE MOUNT/ ARUN TECHNOLOGY
2.	WET CHEMICAL EQUIPMENT	NIULAB/SREEMA/SCIENTIFIC INSTRUMENT/B.B. ENGG./ METTLER TOLEDO/ NETEL/LABMAN
3.	SAMPLE PREPARATION EQUIPMENT	SREEMA/M.P. EOP / B.B. ENG /BIEN ARTIUM/AMALGAMATED/ INSMART/ EASTMAN CRUSHER/SAYAJI
4.	PHYSICAL TEST EQUIPMENT	BIENARTIUM/AMALGAMATED/B.B.ENG /M.P EQUIPMENT/ SREEMA ENG./LABINDIA /NASKAR
5.	METALLOGRAPHY (IMPORTED)	LEITZ/CARL ZESIS /BUEHLER/ LECO/ OLYMPUS

प्री. संतोष रेड्डी-P. SANTHOSH REDDY
वरिष्ठ प्रबंधक (पी. पी.)
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**RASHTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
LIST OF PREFERRED MAKES**

SL. NO.	COMPONENT	MAKE
6	MECHANICAL TESTING (IMPORTED)	ZWICK/ INSTRON

VII ELECTRICAL

A. HIGH TENSION (HT) SUBSTATION EQUIPMENT (INDOOR)

1	33KV GIS & ACCESSORIES (CB-VACUUM)	- SIEMENS / ABB / SCHNEIDER
2	33/11/6.6 kV Vacuum Circuit Breaker Distribution Board (including circuit breakers)	- BHEL / SIEMENS / SCHNEIDER (AREVA) / ABB [All work in their own works]
3	33/11/6.6 kV PTs (Panel mounted type)	- AEP / PRAGATI / SCHNEIDER (AREVA) / Prayog Electricals/ SILKANS
4	33/11/6.6 kV CTs (Panel mounted type)	- AEP/PRAGATI / SCHNEIDER (AREVA) / Prayog Electricals / SILKANS
5	HT Busduct (Phase-Segregated)	- C&S/-ENPRO/ NARMADA SWITCHGEAR/ REEP Industries
6	HT Reactor Air Cored Dry Type	- IND RECTIFIER / PS Electricals / QUALITY POWER / SUDHEER TRANSFORMER
7	HT Capacitors	- BHEL / ABB / UNISTAR
8	11/6.6 kV Vacuum Contactors	- SCHNEIDER / BHEL / SIEMENS / ABB
9	11/6.6 kV Lightning Arrestors & ZnO CR type surge suppressors	- ELPRO / RAYCHEM / SCHNEIDER / SIEMENS AG
10	RC Surge Suppressors (Dry Type)	TYCO/ MADHAB
11	HT HRC Fuses	- SCHNEIDER / DP / S&S/ COOPER BUSSMAN
12	Neutral Grounding Resistor	- NARKHADE / PEFCO / RESITECH / NATIONAL
13	Indoor HT Isolators	- DP / A BOND STRAND / ESWARI
14	33KV POWER TRANSFORMER	BHEL / BB / CGL / SCHNEIDER / TELK / ABB/ SIEMENS
15	11 kV and 6.6 kV HVLC Power Transformers (Oil-filled) & Earthing Transformers	- BHEL / BB / CGL / SCHNEIDER / VOLTAMP / EMCO/ TELK / KIRLOSKAR (KEC)/ ABB
16	11kV & 6.6kV LCSS power transformers (Oil-filled)	- BB / CGL / SCHNEIDER / VOLTAMP / EMCO / KEC/ INDOTECH Transformers
17	11kV & 6.6kV Cast Resin type power transformers	- ABB / VOLTAMP / BHEL / KIRLOSKAR (KEC) / UNIVERSAL/ RPG Raychem/ SUDHIR TRANSFORMERS
18	11 kV & 6.6 kV Dry type power transformers (VPI)	- KIRLOSKAR (KEC)/ABB/BHEL/VOLTAMP/BB/CGL/AINES IMPLEX / SUDHIR TRANSFORMERS
19	Winding and Oil Temperature Indicator	- SKII / PRECI MEASURE/ PRECISION INSTRUMENT/ PERFECT CONTROL / OSMADIAL
20	Control and Relay Panel	- ABB / GE T&D / SIEMENS/ ENPRO (for 33kV & below) (All work in own works)/
21	Magnetic Oil Level Indicator	- SUKRUT
22	Buchholz Relay	- PRAYOG / ATVUS
23	Battery (Lead Acid)	- (EXIDE) / AMCO / STANDARD / HBL-NIFE (SABNIFE)/ AMAR RAJA
24	Battery Charger	- HBL-NIFE(SABNIFE)/ CHHABI ELECTRICALS/ DEBIKAY/ DUBAS CALDYNE / AMAR RAJA/ HI-RECT/ UNIVERSAL/ AE
25	HT Power Socket outlets	- A BOND STRAND / DP / INDO ASIAN

B. MEDIUM VOLTAGE SWITCHGEAR AND CONTROL GEAR

1	L.T. Air Circuit Breaker Switch Board, fully drawout, single front for Sub station (Process)	- L&T / SIEMENS / ABB / SCHNEIDER/ BCH (with Terasaki ACBs) (All work in their own works)
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preferred makes (with logo)

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preferred makes (with logo)

13

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विश्वस्युद्योग, विशाखपट्टणम

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**RASHTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
LIST OF PREFERRED MAKES**

SL. NO.	COMPONENT	MAKE
10	Bimetallic Relay	SIEMENS / L&T / BCH / SCHNEIDER / ABB/ C&S
11	Electronic Overload Relay	BCH, SIEMENS/L&T/ ABB/ SCHNEIDER-SAMHWA
12	Single Phase Preventer	L&T/ MINILEC / SIEMENS
13	Resistor boxes	BCH/RSI/ELECTROMAG / Resistors India/ RESITECH /NARKHADE / KAKKU / Industries Syndicate / OHMARK CONTROLS, BENGALURU / Siemens
14	L.T. Capacitor	UNISTAR / CGL / AREVA / DANDAPANI
15	Semiconductor Fuse	ALSTOM / SIEMENS / FERRAZ / COOPER BUSSMAN /ABB
16	Thyristor	SIEMENS/ BHEL/ HIND RECTIFIER / ABB
17	LT Vacuum Contactor	SCHNEIDER / L&T / SIEMENS / ABB
18	Soft-starter (LT)	ABB/ ROCKWELL/ SIEMENS/ -SCHNEIDER/-BCH
E. CONTROL DESKS AND CONTROL DEVICES		
1	CONTROL DESK	PYROTECH / RITTAL
1a	CONTROL PANEL/ CONTROL STATION / Power Junction Box	SIEMENS / L&T / BCH / BHEL/ C&S / TECHNOCRAT / MEDITRON / SEN & SINGH/ POWER & PROTECTION /VIJAYA SWITCHGEAR/ COSMIC POWER SYSTEM / PYROTECH / MK ENGINEERS / INNOVATIVE SYSTEMS / ABB / SCHNEIDER / INDPOWER, VIZAG
2	Control Switch	SIEMENS / KAYCEE / AREVA / L&T / VAISHNO / C&S
3	Push Button	SIEMENS / BCH / L&T / VAISHNO / C&S / SCHNEIDER / TECHNIC / ESSEN/ SALZER/ GEPOWER
4	Limit Switch	AG SYSTEMS/JAY BALAJI/TECHNOCRATS/ ELECTROMAG/ JSI/ TECHNIC (SIEMENS / BCH may be considered only for light duty)
5	Change Over Switch/Selector Switch	C&S / STANDARD / HHE /KAYCEE / SIEMENS/ BCH/L&T/ INDOASIAN/ ABB/ GEPOWER
6	Discrepancy Control Switch	ABB / AG SYSTEMS
7	Timer/Time Delay Relay	BCH / L&T / SIEMENS / ABB / CGL/ GEPOWER
8	Emergency Switch/Belt Sway Switch/Pull Cord Switch/Belt Slip Switch	JSI / AG SYSTEMS / PB / JAI BALAJI / JAYASHREE/ EPCC(KAKKU)/TELEMECHANIQUE/ STROMKRAFT
9	Semaphore Indicator	ALSTOM / SIEMENS
10	Auxiliary Relay/ Control Contactor	SIEMENS / L&T / BCH / C&S / ABB / GE POWER / SCHNEIDER / ROCKWELL / JYOTI
11	Master Controller	SIEMENS / STROMKRAFT / ELECTROMAG AG Magnetics / Perfect Electrics/ KAKKU/ SCHNEIDER/ SPEED-O-CONTROL
12	Control Transformer	Sudheer Transformer / SIEMENS / AEP / INDUSREE / KAPPA / ANU ELECTRICALS
13	Voltage/Power/Current/Frequency/Energy - Transducers	ABB / AEP / SIEMENS / AREVA / ELSTER/ ADEPT
14	Indicating Lamp (Cluster LED type)	SIEMENS / VAISHNO / TECHNIK / BINAY/ J-AUER/ BCH/ESSEN/ L&T
15	Temperature Scanner	JYOTI /APLAB / SYSTECH / MASIBUS
16	Photo-cell transducer	SYSTECH / TSC
17	Hooter/Buzzer/Bell	KHERAJ / EPCC(KAKKU)/ VAISHNO/ BEMCO / GETCO
18	Solid State Annunciator	APLAB / L&T / PROCON / CONTROL AND DYNAMICS / MINILEC / ELECMECH
19	Proximity Limit Switches (Non-contact type)	JSI / AG SYSTEMS / ROCKWELL / TELEMECHANIQUE/ P&F/ SICK
20	Zero Speed Switches	JAYSHREE / TELEMECHANIQUE / AG MECHANICAL /KAKKU/

preferred makes (with logo)

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मी. संतोष राव. सान्तोश रेड्डी
Sr. Manager
Design
Visakhapatnam Steel Plant



**RASHTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
LIST OF PREFERRED MAKES**

SL. NO.	COMPONENT	MAKE
		TECHNOCRATS/SCHNEIDER-SAMWHA/SIEMENS/ ROCKWELL
21	Current Transformer	AEP / KAPPA / Sudheer Transformer/ABB/JAYASHREE/PRECISE/ ANU ELECTRICAL
22	Voltage Transformer	AEP / KAPPA / Sudheer Transformer / ANU ELECTRICAL
23	Tachos/Encoders	BAUMER-HUBNER/ IFM/ LEINE & LINDE/ ROCKWELL AUTOMATION (ALLEN BRADLEY)
24	Hot Metal Detector (HMD)	DELTA / DANIELI
F.	PROTECTION RELAYS	
1 a)	Electronic Motor Protection Relays	SCHNEIDER / L&T / SIEMENS / ABB / C&S /
b)	Microprocessor based Motor Protection Relays for LT Motors	SIEMENS / L&T / GE/SCHNEIDER
c)	Microprocessor based Protection Relays for HT Motors	L&T-ABB/ GE/SCHNEIDER / SIEMENS
2	Auxiliary Relays	GE/SCHNEIDER / EASUN / ABB / L&T / SIEMENS/ BCH / ROCKWELL
3	Numerical Protection Relays	ABB / SIEMENS / SCHNEIDER / GE
4	Numerical Protection Relays	ABB/SIEMENS/GE/SCHNEIDER/L&T/ASHIDA
G.	ELECTRICAL MEASURING AND TESTING EQUIPMENT	
(i)	ELECTRICAL MEASURING INSTRUMENTS	
1	Ammeter/Voltmeter/Wattmeter/ Var-meter	AEP / IMP / MECO
2	Watt-hour meter	ALSTOM / BHEL / IMP / MECO / HPL
3	PF meter	AEP / IMP / MECO
4	Frequency meter	AEP / IMP
5	Multimeter	MECO / MOTWANE / RUTTONSHAW
6	Low resistance ohm-meter and kelvin double bridge	MOTWANE / AGRONIC / TOSHNIWAL
7	Electronic energy meter / Multifunction meters / Digital Meters	CONZERV (ENERCON) / SEMS / SATEC / PML / L&T / HOTLINE / IMP / MOTWANE / HPL
(ii)	SPECIAL INSTRUMENTS	
1	Microprocessor based digital power meter	AEP/MECO/ALACRITY/DIGI
2	Maximum demand meter	AEP / MECO
3	True RMS' digital panel ammeter/	AEP/MECO/ALACRITY
4	Intelligent P.F. regulator	AEP/MECO/ALACRITY
5	Transducer operated metering system	AEP / MECO
H.	LIGHTING AND POWER WIRING EQUIPMENT AND ACCESSORIES	
1	Lighting Fitting (SV/MV/MH/FLUORESCENT/CFL)	PHILIPS / GE / BAJAJ / CGL /WIPRO/HAVELLS
2	LED Lighting Fitting	PHILIPS/ HAVELLS/ BAJAJ/ WIPRO
3	Flameproof Lighting Fittings and Accessories	BAJAJ / BALIGA / CGL / SUDHIR / FCG / CEAG/ PROMT/ GOVAN
4 a)	240 V Switch Socket Outlet (10A & 20A)	HANSEL / HAVELL'S / BCH / ABB / LEGRAND/ SUDHIR/ INDO ASIAN
b)	415 V Switch Socket Outlet (30A, 63A	BCH / ABB / HANSEL /LEGRAND/INDO ASIAN

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Rahul Kumar Bansal
City Manager

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**RASHTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
LIST OF PREFERRED MAKES**

SL. NO.	COMPONENT	MAKE
2	PLC	ROCKWELL AUTOMATION / SIEMENS / ABB / SCHNEIDER/ GE-FANUC
3	HMI SOFTWARE (3RD PARTY)	WONDERWARE (INTOUCH) / INTELLUTION(FIX) / US DATA (FACTORY LINK)
4	CONTROLLER	YOKOGAWA/HONEYWELL/SIEMENS/ABB/ EUROTHERM
5	RECORDER	YOKOGAWA/LAXONS(CHINO)/EUROTHERM/ABB/HONEYWELL
6	BARGRAPH & DIGITAL INDICATOR	MASIBUS/ EUROTHERM/ YOKOGAWA/ HONEYWELL
7	TOTALISER	YOKOGAWA / ABB / MASIBUS/ HONEYWELL
8	SCANNER	MASIBUS/APLAB/ECIL/WAAREE/M B CONTROLS / PROCON
9	ALARM ANNUNCIATOR	IIC/ MINILEC/ PROCON/ PIRI/ APLAB/ ICA/ DIGICONT / MB CONTROLS & SYSTEM / MINILEC/PROCON / SEMUDA
10	SIGNAL ISOLATOR/MULTIPLIER	MTL/ YOKOGAWA/ MASIBUS/ PEPPERL & FUCHS/ PHOENIX
11	INSTRUMENT PANEL/CONTROL DESK	RITTAL/PYROTECH/ RKC/ SIMCON/ VERO
12	POWER SUPPLY UNIT	SIEMENS / PHOENIX / MTL/ COSEL/ P&F/ SCHNEIDER/ APLAB
13	INTRINSIC SAFETY BARRIER	MTL/P&F/ABB
14	INTERPOSING RELAY	OMRON/OEN/ SIEMENS/ PHOENIX
B FIELD INSTRUMENTS		
1	PRESSURE GAUGE	GIC/ H.GURU/ WAREE/ GE GAUGES PVT LTD/ WIKA/ FORBES MARSHALL/ AN INSTRUMENTS/ GENERAL INSTRUMENTS
2	DIFFERENTIAL PRESSURE GAUGE	WAREE/ WIKA/ AN INSTRUMENTS/ GENERAL INSTRUMENTS
3	PRESSURE AND DP (FLOW AND LEVEL) TRANSMITTERS (ELECTRONIC/SMART TYPE)	EMERSON / YOKOGAWA / HONEYWELL / ABB / SIEMENS/ ENDRESS & HAUSER
4	PRESSURE SWITCH/DP SWITCH (SOLID STATE)	WIKI / E+H / SWITZER/ INDOSS/ IFM/HYDAC
5	TEMPERATURE GAUGE	WIKI/GIC/H.GURU/ A N INSTRUMENTS/ WAAREE
6	RTD AND THERMOCOUPLE	NAGMAN/TEMPSENS/TOSHNIWAL/ GIC/ PYRO ELECTRIC INSTRUMENTS/ INDUSTRIAL INSTRUMENTATION
7	TEMPERATURE TRANSMITTER	YOKOGAWA / ABB / HONEYWELL/ EMERSON/SIEMENS/ ENDRESS & HAUSER
8	TEMPERATURE SWITCH	SWITZER/ INDOSS/ HONEYWELL/ VERMA TRAFAG/ ENDRESS & HAUSER/ WIKI
9	LEVEL GAUGE	GIC/DKI/BLISS ANAND
10	LEVEL SWITCH/TRANSMITTER	TOSHBRO/ KROHNE/ ENDRESS & HAUSER/ SWITZER/ IFM
11	NUCLEONIC LEVEL GAUGE	CONCORD (BERTHOLD)/ EMERSON (K-RAY)/ ECIL/ ENDRESS & HAUSER/ THERMO-FISHER/ VEGA
12	ULTRASONIC / RADER TYPE LEVEL TRANSMITTER	ENDRESS & HAUSER/ ABB/ SIEMENS /EMERSON (SAAB)/ KROHNE/VEGA
13	ROTAMETER	KHRONE /IEPL /EMERSON(BROOKS) / FORBES MARSHALL / INSTRUMENTATION ENGINEERS / KROHNE MARSHALL/ PLACKA
14	FLOW ELEMENTS (ORIFICE PLATE, NOZZLE, VENTURY TUBE)	ENGG. SPL/MECH. ENGR/ MICRO-PRECISION
15	MAGNETIC FLOWMETER/ULTRASONIC FLOWMETER	ENDRESS & HAUSER/KHRONE/ABB/ EMERSON/YOKOGAWA
16	POSITIVE DISPLACEMENT FLOWMETER	TOSH. HYD(BOPP&REUTHER)/ ROCKWIN/ABB/ SWITZER

preferred makes (with logo)

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Dr. Arun Kumar
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Visakhapatnam Steel Plant
Visakhapatnam-530 031



**RASHTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
LIST OF PREFERRED MAKES**

SL. NO.	COMPONENT	MAKE
17	VORTEX FLOWMETER	ENDRESS & HAUSER/YOKOGAWA/KROHNE/ EMERSON/ABB
18	MASS FLOWMETER	EMERSON/ABB/ENDRESS & HAUSER/YOGOKAWA/ KROHNE
19	DP TYPE FLOWMETER	EMERSON/ABB/ENDRESS & HAUSER/YOGOKAWA/ KROHNE
20	CONTROL VALVE AND ON-OFF VALVE	IL/FISHER-XOMOX/SAMSON/ DRESSER MASONEILAN / FOURESS/FORBES MARSHALL (ARCA)/ DEMBLA
21	ELECTRIC ACTUATOR	AUMA/LIMITORQUE/ROTORK/ ABB/ EL-O-MATIC
22	I/P CONVERTER	YOKOGAWA / EMERSON / MOORE / ABB / HONEYWELL
23	ELECTRO-PNEUMATIC POSITIONER	IL/FISHER-XOMOX/SAMSON/ DRESSER MASONEILAN/ SIEMENS
24	SOLENOID VALVE	AVCON/ROTEX/ASCO/SCHRADER/BURKET
25	AIR FILTER REGULATOR	PLACA/SHAVO NORGREN/ SCHRADER-SCHOVILL
26	ENCODER	P&F/ROCKWELL/HUBNER/LIEN&LINDE
27	FLOW SWITCH	ENDRESS & HAUSER/ IFM
C SPECIAL INSTRUMENTS		
1	ELECTRONIC WEIGHING SYSTEM	ABB/SCHENCK/SARTORIOUS MECHATRONICS/ TRANSWEIGH/ METTLER-TOLEDO/ KLISTER-MORSE/RICELAKE/ ASHBEE/ AVERY/ SCHENCK/SENLOGIC/ ESSAE DIGITRONICS/DIGITAL WEIGHING/RDSO APPROVED AGENCIES/APPROVED OEM OF WEIGHTS & MEASURE AUTHORITY
2	GAS ANALYSERS	EMERSON / ABB ANALYTICAL / SIEMENS /YOKOGAWA/ HONEYWELL (TELEDYNE)
3	GAS DETECTION SYSTEM	MSA/BEILER LANGE/EMERSON/DRAEGER/HONYWELL/ OLDHAM
4	WATER ANALYSERS	FORBES MARSHALL/ ABB ANALYTICAL /YOGOKAWA/ E+H / EMERSON/ THERMO FISHER
5	PH AND CONDUCTIVITY METER	EMERSON/ABB ANALYTICAL/ YOKOGAWA/FORBES MARSHALL/ TOSHBRO CONTROLS/THERMO FISHER/ ENDRESS & HAUSER
6	INFRARED PYROMETER	IRCON/ LAND/ HONEYWELL/ FLUKE/ TOSHNIWAL (RAYTEK)
7	MOLTEN METAL TEMPERATURE/ OXYGEN MEASUREMENT SYSTEM	HERAEUS ELECTRO-NITE/FERROTRON GmbH/ SEIDERMES (ITALY)
8	MOISTURE ANALYSER	CONCORD (BERTHOLD) / EMERSON (K-RAY) / ECIL/ YOKOGAWA /CHINO-LAXSONS / ABB ANALYTICAL
9	VIBRATION SENSOR & MONITOR	BENTLEY-NEVADA / SHINKAWA/ SCHENCK/ ROCKWELL AUTOMATION
10	POLLUTION CONTROL & STACK MONITORING SYSTEM	DRAGER/ HONEYWELL/ ENVIROTECH/ EMERSON/DURAG/ FORBES MARSHALL/ OPSIS/ THERMO FISHER
11	FLAME DETECTOR	HONEYWELL/ FIRE-EYE/ KROM SCHODER/ DURAG
12	CALORIFIC VALUE ANALYSER	UNION/REINEKE/YOKOGAWA
13	HOT METAL DETECTOR	WEBER SENSORS / DELTA / IMPAC ELECTRONICS / P&F/ AMERICAN SENSORS/LOGIKA
14	Loop Scanner	DELTA / DANIELI
D INSTRUMENT CABLES AND ACCESSORIES		
1	SCREENED CABLES, CONTROL CABLES & COMPENSATING CABLES	DELTON / FINOLEX / SPECIAL CABLES / ELKAY/TELELINKS/ CORDS/ TOSHNIWAL/ GOYOLENE/ UNIVERSAL/ CMI/ LAPP/ RELIANCE CABLES/ BROOKE CABLES/ THERMO CABLES
2	INSTRUMENT FITTINGS	SWAGALOK / PARKER/ EXCEL-HYDROPNEUMATIC/ WAREE

preferred makes (with logo)

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Sr. Manager (Mech.-UT)
अधिकृत, अभियंत्रण विभाग
Design, Engineering Dept.
आर आई एन एल - विशाखपट्टनम स्टील प्लांट
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Dy. Manager
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**RASHTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
LIST OF PREFERRED MAKES**

SL. NO.	COMPONENT	MAKE
IX	PROCESS CONTROL COMPUTER SYSTEM	
1	COMPUTER SYSTEMS - PCS/WORKSTATION/SERVERS	IBM / HP/ DELL
2	COMPUTER PERIPHERALS - PRINTERS/SCANNERS/PLOTTERS	HP / CANON / KONICA
3	NETWORK COMPONENTS - SWITCHES/ROUTERS - CONVERTERS/ REPEATERS/ MODEMS/ RADIO MODEMS	CISCO / 3-COM / NORTEL / HP MULTI TECH/US ROBOTICS/ PRUDENT/ LOTUS/ DLINK
4	CABLES - FIBRE OPTIC/CO-AXIAL/UTP	RPG/ AT&T/ MOLEX/ LUCENT
5	PROCESS CONTROL SYSTEMS (IRON & STEEL MAKING/ MILLS/ SCADA)	VAI / DANIELI/ SMS/STEIN/HITACHI/B RICHMONT/ MPIANTI/ RAUTTA-RUUKKI/ SIEMENS/ ABB/ HAIL/ ALSTOM/ROCKWELL
6	SCADA SYSTEM	ABB/ALSTOM/HAIL/GE FANUC/SIEMENS/RAIL/GE ENERGY/ YIL
7	LARGE SCREEN DISPLAY	BARCO / LG / SAMSUNG / SONY
8	NETWORK SOFTWARE/NETWORK MANAGEMENT SOFTWARE	CISCO / AGILENT / HP / 3-COM / IBM / NORTEL
9	HMI/VISUALISATION SOFTWARE	WONDERWARE (INTOUCH)/INTELLUTION/ABB (OPERATE IT) HAIL(PLANTSCAPE) / FACTORY LINK/ GE (SIMPLICITY) / SIEMENS (WINCC) / ROCKWELL AUTOMATION (RS-VIEW)/ ALSTOM (COGITO)
10	OPERATING SYSTEM	MS WINDOWS 2000/2003/XP/UNIX/LINUX/MICROSOFT WINDOWS(latest software)
11	DATA BASE (RDBMS)	ORACLE
X	PROCESS AUTOMATION SYSTEM	
1	AUTOMATION EQUIPMENT :	
a)	CRANE TERMINALS	ADVANTECH/INTERMEC/B&R/PSION TEKLOGIX/LXE
b)	CONVERTERS, REPEATERS, MODEMS	MULTI TECH/ US/MOXA/CISCO/ROBOTICS/ PRUDENT/DLINK
c)	RADIO MODEM, RADIO ETHERNET EQPT.	CISCO/MOTOROLA/DATA RADIO/PROSOFT/LOTUS/ DLINK/PHOENIX
2	FIBRE OPTIC CABLE, UTP/STP CABLE AND PASSIVE COMPONENTS	MOLEX/SYSTIMAX (COMMSCOPE) /SCHNEIDER/ TYCO/ADC KRONE /D-LINK
3	CONTROL DESK/COMPUTER DESK/PRINTER TABLE	RITTAL/PYROTECH
4	STEEL ALMIRAH	GODREJ
5	SCADA SYSTEM :	
a)	PROCESS, WATER & UTILITY	WONDERWARE (INTOUCH)/ INTELLUTION/CITECH/ABB (OPERATE IT)/MICRO SCADA/ HONEYWELL AUTOMATION (EXPERION)/GE FANUC (IFIX/SIMPLICITY)/ SIEMENS (WINCC)/ ROCKWELL AUTOMATION (RS-VIEW)/ YOKOGAWA (FAST TOOLS)
b)	POWER SYSTEM	GE ENERGY(XA-21)/ABB (NETWORK MANAGER)/AREVA (E-TERRA)
c)	REMOTE TERMINAL UNIT	ABB/AREVA/HONEYWELL AUTOMATION/GE/ SIEMENS/ROCKWELL AUTOMATION/YOKOGAWA/ SCHNEIDER
6	SUB-STATION AUTOMATION SYSTEM (SAS)	ABB (MICROSCADA)/ SCHNEIDER (PACIS)/SIEMENS (SICAM)/GE (SIMPLICITY)/ HONEYWELL AUTOMATION (EXPERION)



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**RASHTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
LIST OF PREFERRED MAKES**

SL. NO.	COMPONENT	MAKE
7	INDUSTRIAL NETWORK SWITCH FOR (SAS)	SIEMENS(RUGGEDCOM)/GE/HIRSCHMANN/ GARRETCOM
8	LARGE VIDEO PROJECTION SYSTEM (LVS)	BARCO/CHRISTIE
9	LED DISPLAY	LG/SAMSUNG/SONY
10	OPERATING SYSTEM:	
a)	SERVERS	LATEST WINDOWS/UNIX/ LINUX
b)	HMI	LATEST WINDOWS
11	DATABASE MANAGEMENT SYSTEM	ORACLE/MS SQL SERVER
12	NETWORK MONITORING SOFTWARE	HP/IBM/CA/CISCO/NORTEL
13	ANTIVIRUS SOFTWARE	SYMANTEC/MCAFFEE/CA/AVG/TREND MICRO
14	NETWORK/SERVER RACK	RITTAL/PYROTECH/HCL/NETRACK/APW (SCHNEIDER)/VALRACK
XI TELECOMMUNICATION & CCVM		
A PLANT TELEPHONE SYSTEM		
1	EPABAX SYSTEM WITH SOFTWARE	AVAYA / TADIRAN / ALCATEL / SIEMENS
2	TELEPHONE HANDSET	AVAYA/BEETEL/SIEMENS/ITI/PANASONIC
3	RECTIFIER-CUM-CHARGER	AMARA RAJA/PULSE POWER/SIGNOTRON/DYNA
4	BATTERY	EXIDE/AMARA RAJA/ HBL
5	DISTRIBUTION CABINET/ CT BOX	ADC KRONE/ HENSEL
B LOUDSPEAKER INTERCOMMUNICATION (PA) SYSTEM		
1	SELECTIVE CALLING TYPE	INDUSTRONICS/NEUMANN
2	PAGE PARTY TYPE	BOSCH/BNP/PHI-AUDIOCOM
C LOUDSPEAKER BROADCASTING (PA) SYSTEM		
		BOSCH/ MOTWANE
D RADIO COMMUNICATION SYSTEM		
		MOTOROLA/KENWOOD
E CLOSED CIRCUIT VIDEO MONITORING SYSTEM		
1	CAMERA AND SOFTWARE	PELCO/BOSCH/HONYWELL/INDIGOVISION/SONY/DVTEL/ AXIS/VICON/GE
F CABLES AND ACCESSORIES		
1	FIBRE OPTIC CABLE, UTP/STP CABLE AND OTHER PASSIVE COMPONENT	MOLEX/SYSTIMAX (COMMSCOPE)/SCHNEIDER/TYCO/ADC KRONE/DILINK
2	NETWORK RACK	RITTAL/PYROTECH/HCL/APW (SCHNEIDER)/VALRACK/NETRACK
3	TELEPHONE CABLES	CMI / DELTON / FINOLEX / RPG (KEC) / VINDHYA TELELINK/ RELIANCE/INCA/NICCO
XII CRANE EQUIPMENT & ELECTRICS		
A MECHANICAL		
1	GEAR BOX	OWN MAKE/ SHANTI/ ELECON/NAW
2	WHEELS	OWN MAKE/ SIMPLEX/ KRAN RADAR
3	BEARINGS	SKF/ FAG/ ZKL/NTN
4	GEARED COUPLING	HICLIFF/ UNIFLEX/ ALFLEX/ NAW/ RATHI

preferred makes (with logo)

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वरिष्ठ प्रबंधक (यां)-गृही

Sr. Manager (Mech. I-III)

अभियंता

Design

आर आई एन एल

RINL, Visakhapatnam

विशाखपट्टणम-Visakhapatnam

Rahul Kumar Bansal
Dy. Manager

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VISAKHAPATNAM STEEL PLANT
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SL. NO.	COMPONENT	MAKE
5	BARREL COUPLING	MALMEDIE/ JAURE
6	HOOCS	HERMAN MOHATTA/STEEL FORGING/FORGING ENTERPRISE/ FREE TRADING CORPN./ EE KARACHIWALA
7	WIRE ROPE	USHA MARTIN/FORT WILLIAM/CASAR/ARADHYA WIRE ROPES/ BHARAT WIRE ROPES
8	LUBRICATION	TECLAMIT/ LUBCON/ AFMC
9	C-HOOK	CONCAST/ ARMATIC / OWN MAKE
10	TONG/LIFTER	SOMERS/ ARMATIC/HEPPENSTALL/ SLINGOFER
11	OIL SEALS	VACO SIL SEALS/ RUBBER EQUIPMENT & ENGG. CO.
B CRANE ELECTRICS		
1	MOTORS	SIEMENS/ABB/(KIRLOSKAR) KEC/MARATHON/BBL/CGL (CGL shall not be used for heavy duty/extra heavy duty cranes)
	INVERTER DUTY MOTORS	(KIRLOSKAR) KEC/MARATHON/BBL/SIEMENS/ABB
2	LIMIT SWITCH	KAKKU (EPCC)/ INDUSTRIES SYNDICATE/ DYNATROL/ STROMKRAFT/SIEMENS/ESSEN/GE POWER/ JAYSHREE / EMM
3	CONTACTOR	SIEMENS/ BCH/ L&T/ ABB
4	ELECTRONIC OVERLOAD RELAY	SIEMENS/ L&T/ ABB/ SCHNEIDER
5	PUSH BUTTON	SIEMENS/ L&T/BCH /VAISHNO/SCHNEIDER/TECHNIC
6	MASTER CONTROLER	SIEMENS/ KAKKU (EPCC)/ STROMKRAFT/ EMM
7	JOYSTIC CONTROLLER	SPOHN + BURKHARDT
8	ISOLATING SWITCH	SIEMENS/ L&T
9	RESISTANCE	KAKKU (EPCC)/ BCH/ RESITECH /ELECTROMAGM/ STROMKRAFT/EMM/RASI/OHMARK/SIEMENS
10	TERMINAL (SCREW TYPE HEX HEAD)	ESSEN/ ODN/ ELMEX
11	SAFETY SWITCH	SIEMENS/ L&T/ KAYCEE/ KAKKU (EPCC)
12	TIMER	BCH/ SIEMENS / L&T
13	SOCKET OUTLETS	CROMPTON/ REYROLLE/ BCH/ SIEMENS/ INDO ASIAN/MDS LEGRAND
14	CONTROL PANEL	SIEMENS/ BCH/ ABB / SCHNEIDER/ RITTAL
15	CRANE POWER CONDUCTOR ACESSORIES	ARMATIC/IMSS/ ENGG. SPARES/ STROMAG/ VAHLE (Imported)/-
15	TRAILING CABLE ARRANGEMENT /E- CHAIN SYSTEMS	IGUS
16	ERGONAMIC CONTROL STATION WITH CABIN	BRIEDCABINS (Imported) / EMCO
17	BRAKE - DCEM SHOE - DCEM DISC	BCH/ KAKKU (EPCC)/INDUSTRIES SYNDICATE / EMM (Only BCH-makes shall be used for all motions of heavy duty & extra heavy duty crane & hoist) PATHE / EMCO
18	CABLE	UNIVERSAL / ASIAN / NICCO / KEI/ CRYSTAL / HAVELLS
19	CABLE REELING DRUM	ELECTRO ZAVOD/ELECTROMAG/INDUSTRIES SYNDICATE/BENGAL TECHNOCRAT
20	415 V AIR CIRCUIT BREAKER	ABB/L&T/SIEMENS/SCHNEIDER
21	M C C B	L&T/SIEMENS/ABB/BCH/SCHNEIDER / MDS LEGRAND

Rahul Kumar Bansal

Power Sector-SSBG (R & M)

Bharat Heavy Electricals Limited

2nd Floor, KRIBHCO Bhawan
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preferred makes (with logo)

Dr. P. SANTHOSH REDDY
Sr. Manager (Mech.)-HUT
Dept. of Mechanical Engineering
IIT Madras
Chennai-600 075

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**RASHTRIYA ISPAT NIGAM LIMITED
VISAKHAPATNAM STEEL PLANT
LIST OF PREFERRED MAKES**

SL. NO.	COMPONENT	MAKE
22	MCB	SIEMENS/ MDS/ HAVELL'S/ STANDARDS/ HPL/ ABB
23	THYRISTOR	ABB/SIEMENS
24	REMOTE RADIO CONTROL	CONTROL CHIEF / ACROPOLIS / STROMAG / SPEED-O-CONTROL/LOTUS (NBB MAHKE) / EMM
25	VVVF DRIVE	SIEMENS/ABB/ROCKWELL/SCHNEIDERT / VACON / YASHKAWA
26	AIR CONDITIONER	LINTERN/ SULZER/ DAIKEN/ IPW/ SUNBEAM
27	CONTROL TRANSFORMER	Sudheer Transformer / KAPPA / AE/ ANU ELECTRICALS
28	LED INDICATING LAMP	SIEMENS/ BINAY/ VAISHNO/ TECHNIK/ J-AUER / AVNI/ ESSEN/ BCH
29	ELECTRO MAGNET (CIRCULAR) - COLD DUTY	EPC/EMM/SUPERLIFT / SGM / TRUNINGER
30	ELECTRO MAGNET (RECTANGULAR) - HOT DUTY	TRUNINGER/SGM/SHINKO/OH10
31	AUXILIARY RELAYS	SIEMENS/BCH
32	DOUBLE POLE SWITCHES	SIEMENS/KAYCEE
33	CABLE GLAND (DUSTY TIGHT)	ROXTEC
C SUPPLIERS FOR CRANES & HOISTS		
1	FOUR GIRDER EOT CRANES	TATA GROWTH SHOP / HEC / KONE CRANES / DEMAG CRANES / MUKAND/ DALIAN/ANUPAM
2	EXTRA HEAVY/ HEAVY DUTY DG EOT CRANES	TGS / HEC/ MUKAND / FAFECO/ KONE CRANES/DALIAN /ANUPAM/UNIQUE
3	MEDIUM DUTY DG EOT CRANES	MUKAND / KONE CRANES / FAFECO/ MELTECH CRANES/ ANUPAM/ UNIQUE
4	SINGLE GIRDER EOT CRANES / JIB CRANES	ARMSEL/ MM ENGINEERS / BRADY & MORRIS/ MELTECH CRANES/ CENTURY CRANES/IEICO /ALFA
5	MECHANICAL HOISTS/ HOT CRANES	BRADY & MORRIS / HERCULES /CRUSHMORE MAXBAN / ARMSEL / TRACTEL TIRFOR
6	ELECTRIC HOISTS	ARMSEL/MM ENGINEERS/BRADY & MORRIS/CENTURY CRANES/MELTECH CRANES/TRACTEL TIRFOR/ALFA/IEICO

NOTES : Any change /addition/deletion in the above makes list shall be done with the approval of Purchaser

Santhosh Reddy
P. SANTHOSH REDDY
 Sr. Manager (Mech.)-UT
 Design & Engineering Dept.
 RINL, Visakhapatnam Steel Plant
 Visakhapatnam-Visakhapatnam-530 031

Rahul Kumar Bansal
Rahul Kumar Bansal
 Dy. Manager
 Power Sector-SSBG (R & M)
 Bharat Heavy Electricals Limited
 2nd Floor, KRIBHCO Bhawan
 A-8-10, Sector-1, Noida-201 301 (U.P.)

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Proposed Sub-Vendors			
SL NO	ITEM	PROPOSED SUB SUPPLIER	PLACE
1	ELECTRIC LT MOTOR (UPTO 90 KW)	Kirloskar Electric Co.Ltd ✓	Bangalore/Chennai
		CG Power and Industrial solutions Ltd ✓	Chennai/Ahmednagar/Mumbai
		X JYOTI LIMITED ✓	VADODARA
		X Bharat Bijlee Ltd. ✓	Mumbai/Chennai
		X Siemens India Ltd ✓	JOKA
		X LAXMI HYDRAULICS PVT LTD. ✓	SHOLAPUR
		X NGEF (Hubli) LTD ✓	Bangalore
		X POWER HOUSE	CHENNAI
		X Marathon Electric motors India Ltd ✓	Chennai/Kolkata
		X HEM Industries	Mumbai
		X BHEL ELECTRICAL MACHINES LTD. ✓	KASARAGOD
2	LTMSB(Draw Out Type)	X BHEL-EPD ✓	BENGALURU
		X Samcon Industrial Controls Pvt ltd ✓	Thane
		X BCH Electric Ltd ✓	Faridabad/New Delhi
		X L&T valves Ltd ✓	Chennai
		X Unilec Engineers Ltd ✓	Gurgaon
		X Controls and Schematics LTD ✓	Hyderabad
		X C&S Electric Ltd ✓	NEW DELHI/Haridwar
		X Adarsha Control & Automation Pvt Ltd ✓	Bengaluru
		X Nitya Electrocontrols pvt ltd ✓	Noida
		X BHEL-EPD ✓	BENGALURU
		X Samcon Industrial Controls Pvt ltd ✓	Thane
3	ACP(Draw Out Type)	X L&T valves Ltd ✓	Chennai
		X Unilec Engineers Ltd ✓	Gurgaon
		X Controls and Schematics LTD ✓	Hyderabad
		X C&S Electric Ltd ✓	NEW DELHI/Haridwar/Chennai
		X Adarsha Control & Automation Pvt Ltd ✓	Bengaluru
		X Nitya Electrocontrols pvt ltd ✓	Noida
		X ADOR POWERTRON LTD., ✓	PUNE
		X ADOR POWER INDUSTRIES LTD ✓	CHENNAI
		X BHARAT HEAVY ELECTRICALS LIMITED ✓	JHANSHI
		X KRAFT POWERCON INDIA PRIVATE LTD ✓	PUNE
		X HIND RECTIFIERS LTD ✓	Chennai/Mumbai/Nashik
4	HVR Transformer and EC Panel	X AUMA (INDIA) PRIVATE LIMITED ✓	BENGALURU
		X AUMA RIESTER GmbH and CO. KG ✓	GERMANY
		X LIMITORQUE INDIA LIMITED ✓	FARIDABAD
		X LIMITORQUE INDIA LIMITED ✓	CHENNAI
		X ROTORK CONTROLS (INDIA) PRIVATE LIMITED ✓	CHENNAI
5	ELECTRICAL ACTUATORS	X AUMA (INDIA) PRIVATE LIMITED ✓	BENGALURU
		X AUMA RIESTER GmbH and CO. KG ✓	GERMANY
		X LIMITORQUE INDIA LIMITED ✓	FARIDABAD
		X LIMITORQUE INDIA LIMITED ✓	CHENNAI
		X ROTORK CONTROLS (INDIA) PRIVATE LIMITED ✓	CHENNAI

Note: The above vendor list is tentative and subject to addition / deletion of vendor during contract stage. For all other items BHEL/BAP standard vendor list will be followed.

Rahul Kumar Bansal

Dy. Manager

Power Sector, SSBG (R & M)

Bharat Heavy Electricals Limited

2nd Floor, KRISHCO Bhawan

A-8-10, Sector-1, Noida-201 301 (U.P.)

टी. चन्द्रासेखर
Asst. General Manager (Elect.)
अ व अ विभाग-D&E Dept.
आर आर एन स्टील विभागपट्टनम इस्पात संयंत्र
RINL, Visakhapatnam Steel Plant
विशाखपट्टनम-Visakhapatnam-530 031

(T. Chandra Sekhar)



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PE&SD Hyderabad

Tender Name: RINL Visakhapatnam 4 nos. of ESP's REVAMP
PE&SD Vendor ListRev 00
Date: 13.11.19

Description of Items	Vendor Name
BATTERY CHARGER	AMARA RAJA POWER SYSTEMS LTD
	VERTIV ENERGY PRIVATE LIMITED
	HBL POWER SYSTEMS LTD
	HITACHI HI-REL POWER
	SERVILINK ENGINEERS PVT. LTD.
	KERALA STATE ELECTRONICS
	DUBAS ENGINEERING PVT LTD.
	CHHABI ELECTRICALS P LTD.
	MASS-TECH CONTROLS PVT. LTD.
	STATCON ENERGIAA PVT LTD.
SEALED MAINTENANCE FREE BATTERY	CHLORIDE POWER SYSTEMS &
	HOPPECKE BATTERIEN GMBH & CO KG
	HBL POWER SYSTEMS LTD
LEAD ACID STORAGE BATTERY	EXIDE INDUSTRIES LIMITED
	AMARA RAJA POWER SYSTEMS LTD
	EXIDE INDUSTRIES LIMITED
	HBL POWER SYSTEMS LTD
NICKEL-CADMIUM BATTERY	HOPPECKE BATTERIEN GMBH & CO KG
	HBL POWER SYSTEMS LTD
	HOPPECKE BATTERIEN GMBH & CO KG
	SAFT INDIA
LT MOTORS (SAFE AREA)	SIEMENS LTD
	ABB INDIA LIMITED, HYD
	KIRLOSKAR ELEC.CO.LTD
	LAXMI HYDRAULICS PVT. LTD.
	BHARAT BIJLEE LTD, MUMBAI
	CG POWER & INDUSTRIAL SOLUTIONS
	CG POWER & INDUSTRIAL SOLUTIONS
H.T. MOTORS (SAFE/HAZARDOUS AREA)	KIRLOSKAR ELEC.CO.LTD
	JYOTI LIMITED
	ABB INDIA LIMITED, HYD
	SIEMENS LTD
	CG POWER & INDUSTRIAL SOLUTIONS LTD
	LARSEN & TOUBRO LIMITED, HYD
	C AND S ELECTRIC LIMITED
DIRECT ON LINE STARTERS	SIEMENS LIMITED
	KAYSONS TECHNO EQUIPMENTS PVT. LTD.
	FLAMEPROOF EQUIPMENTS PVT.LTD.
DIRECT ON LINE STARTERS (EXPLOSION PROOF)	FCG FLAMEPROOF CONTROL GEARS
	BALIGA LIGHTING EQUIPMENTS PVT.LTD.
HT CABLE JOINTING / TERMINATING KITS	RITHVIK ENTERPRISES
	RAYCHEM RPG PRIVATE LIMITED
	YAMUNA CABLE ACCESSORIES PVT. LTD.
CABLE LUGS & CRIMPING TOOLS	HARI CONSOLIDATED PVT. LTD.
	AUTOMIC ELECTRIC & REFRIGERATION CO
	CHETNA ENGINEERING CO.
	ELECTROMAC INDUSTRIES
	BRACO ELECTRICALS INDIA PVT. LTD
	FORWARD ENGINEERING INDUSTRIES
POWER TRANSFORMERS (RATING > 10 M.V.A)	ESENNAR TRANSFORMERS PVT. LTD.
	BHARAT BIJLEE LIMITED, SEC/BAD
	VOLTAMP TRANSFORMERS LTD.
	EMCO LIMITED
	SCHNEIDER ELECTRIC INFRASTRUCTURE
OIL FILLED TRANSFORMERS (EXCEPT FOR DISTRIBUTION) UP TO 10MVA	TOSHIBA TRANSMISSION & DISTRIBUTION
	SCHNEIDER ELECTRIC INFRASTRUCTURE
	MAHATI INDUSTRIES PVT. LTD.
	RAYCHEM RPG PRIVATE LIMITED.,

Not Applicable

Not Applicable

Not Applicable for this project

Not Applicable for this project

Kamal
Kamal
Kumar Bansal
Asst. Manager
for SEBG (R & M)
Electricals Limited
ARJUN BHAWAN
A-8-10, Sector-1, Noida-201 301 (U.P.)

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T. CHANDRA SEKHAR
Asst. General Manager (Elect.)
अथवा विभाग-D&E Dept.
आर आई एन एल.विशाखपट्टनम इस्पात संयंत्र
RINL, Visakhapatnam Steel Plant
विशाखपट्टनम-विशाखपट्टनम-530 031

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PE&SD Hyderabad

Tender Name: RINL Visakhapatnam 4 nos. of ESP's REVAMP
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	KIRLOSKAR ELECTRIC CO. LTD.
	VOLTAMP TRANSFORMERS LTD.
	HAMMOND POWER SOLUTIONS PVT. LTD.
	ESENNAR TRANSFORMERS PVT. LTD.
	CG POWER & INDUSTRIAL SOLUTIONS LTD
NEUTRAL GROUNDING RESISTORS	LACHHMAN ELECTRONICS
	RSI SWITCHGEAR PVT LTD
	S.R.NARKHEDE ENGG.(P) LTD
	AMPCONTROL EQUIPMENTS PVT.LTD
	NATIONAL SWITCHGEARS
	RESITECH ELECTRICALS PRIVATE
LIGHTING FIXTURES, LUMINAIRES (FOR SAFE AREA APPLICATIONS)	CG POWER & INDUSTRIAL SOLUTIONS
	IEC ELECTRICALS,
	SQUARE A ENTERPRISES
LIGHTING FIXTURES & LUMINAIRES (EXPLOSION PROOF AREA APPLICATIONS)	SQUARE A ENTERPRISES
	IEC ELECTRICALS,
	SAFEX FLAMEPROOF CONTROLS (P) LTD
	PROMPT ENGINEERING WORKS, MUMBAI
	FLAMEPROOF EQUIPMENTS PVT.LTD.
	CG POWER & INDUSTRIAL SOLUTIONS
	FCG FLAMEPROOF CONTROL GEARS
LT.MOTOR CONTROL CENTRES, POWER CONTROL CENTRES, A C & D C DISTRIBUTION BOARDS.	SCHNEIDER ELECTRIC INDIA PVT. LTD.
	BCH ELECTRIC LTD.
	LARSEN & TOUBRO LIMITED, HYD
	C AND S ELECTRIC LIMITED
UPS SYSTEM	CONSUL NEOWATT POWER SOLUTIONS
	KERALA STATE ELECTRONICS
	HITACHI HI-REL POWER
	VERTIV ENERGY PRIVATE LIMITED
HT BUSDUCT	C AND S ELECTRIC LIMITED
	STARDRIVE BUSDUCTS LTD
	JASPER ENGINEERS PVT. LTD.
TELECOMMUNICATION SYSTEM (LSTB / PAGING / EPABX & PA SYSTEM)	LARAON ENGINEERS AND CONSULTANTS
	INDUSTRONIC INDUSTRIE-ELECTRONIC
	Haritasa Electronics Solutions
	ELIXIR ELECTRONICS
HARDWIRED SYNCHRONIZATION CONTROL AND ANNUNCIATION PANELS	PYROTECH ELECTRONICS PVT. LTD.
	INDUSTRIAL CONTROLS & APPLIANCES
	C AND S ELECTRIC LIMITED
	ELECTRONICS CORPN OF INDIA LTD
ELECTRICAL CONTROL SYSTEM (ECS) / POWER MANAGEMENT / ENERGY MANAGEMENT SYSTEM	SCHNEIDER ELECTRIC INDIA PVT. LTD.
	ABB INDIA LIMITED, HYD
	HONEYWELL PTE LTD., SINGAPORE
	SIEMENS LIMITED
	SCHWEITZER ENGINEERING
INSULATING MAT FOR ELECTRICAL INSTALLATION	VARDHMAN HOSES PVT. LTD.
	INDIAN RUBBER PRODUCTS
	RMG POLYVINYL INDIA LTD
	PROGRESSIVE RUBBER WORKS
EARTHING AND LIGHTNING PROTECTION MATERIALS	INDUSTRIAL PERFORATION (I) PVT. LTD
	UNITTECH FABRICATORS & ENGINEERS PVT
	RATAN PROJECTS & ENGG. CO. PVT. LTD
	INDIA ELECTRICALS SYNDICATE
	PREMIER POWER PRODUCTS

Rahul Kumar Bansal

Manager
Power Sector-SSBG (R & M)Bharat Heavy Electricals Limited
2nd Floor, KRISHCO Bhawan
A-8-1B, Sector-1, Noida-201 301 (U.P.)

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Chandrasekhar T. CHANDRA SEKHAR
Asst. General Manager (Electrical)
आर और एन एल विशाखपट्टनम इस्पात संयंत्र
RINL, Visakhapatnam Steel Plant
विशाखपट्टनम-Visakhapatnam-530 031

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PE&SD Hyderabad

Tender Name: RINL Visakhapatnam 4 nos. of ESP's REVAMP
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	CABLE CORPORATION OF INDIA LTD
	RAVIN CABLES LTD
	APAR INDUSTRIES LIMITED
	TORRENT POWER LIMITED (CABLE UNIT)
	POLYCAB INDIA LIMITED
	GEMSCAB INDUSTRIES LTD.
	PARAMOUNT COMMUNICATIONS LTD
	KEI INDUSTRIES LIMITED
	KEC INTERNATIONAL LIMITED
	UNIVERSAL CABLES LTD
CABLE TRAYS	ADVANCE POWER PRODUCTS
	INDUSTRIAL PERFORATION (I) PVT. LTD
	UNITECH FABRICATORS & ENGINEERS PVT
	RUKMANI ELECTRICAL & COMPONENTS
	RABI ENGINEERING WORKS PVT. LTD
	RATAN PROJECTS & ENGG. CO. PVT. LTD
	INDIA ELECTRICALS SYNDICATE
	PREMIER POWER PRODUCTS
	RAJASTHAN METAL SMELTING CO.
	EROS METAL WORKS (P) LTD
	VINFAB ENGINEERS INDIA PRIVATE
	INDIANA GRATINGS PVT. LTD.
	ANIL STEELS PVT LTD
	M J ENGINEERING WORKS (P) LIMITED
	PATNY SYSTEMS PVT. LTD
JUNCTION BOXES FOR WEATHER PROOF AND EXPLOSION PROOF FOR LIGHTING AND OTHER APPLICATION	FLEXPRO ELECTRICALS PVT. LTD.,
	KAYSONS TECHNO EQUIPMENTS PVT. LTD.
	PROMPT ENGINEERING WORKS, MUMBAI
	FLAMEPROOF EQUIPMENTS PVT.LTD.
	FCG FLAMEPROOF CONTROL GEARS
	ELECTROMAC INDUSTRIES
CABLE GLANDS (WEATHER PROOF/EX.PROOF)	BRACO ELECTRICALS INDIA PVT. LTD
	ELECTROMAC INDUSTRIES
	FCG FLAMEPROOF CONTROL GEARS
	FLAMEPROOF EQUIPMENTS PVT.LTD.
	PROMPT ENGINEERING WORKS, MUMBAI
	Metal Craft Industries
	KAYSONS TECHNO EQUIPMENTS PVT. LTD.
	FCG POWER INDUSTRIES
	FLEXPRO ELECTRICALS PVT. LTD.,
VACCUUM CIRCUIT BREAKERS (UPTO 33 KV INDOOR)	CG POWER & INDUSTRIAL SOLUTIONS LTD
	ABB INDIA LIMITED, HYD
	SIEMENS LIMITED
	SCHNEIDER ELECTRIC INFRASTRUCTURE
SF6 CIRCUIT BREAKER (UPTO 33KV, INDOOR)	JYOTI LIMITED
	ABB INDIA LIMITED, HYD
	CG POWER & INDUSTRIAL SOLUTIONS LTD
	VOLTAS LIMITED,
INSTRUMENT CABLE (SIGNAL/RTD COMPENSATION/TC EXTENSION)	LAPP INDIA PVT. LTD.
	ADVANCE CABLE TECHNOLOGIES PVT LTD
	ELKAY TELELINKS LIMITED
	SUYOG ELECTRICALS LTD
	POLYCAB INDIA LIMITED
	ASSOCIATED CABLES PVT LTD.
	LEONI CABLE SOLUTIONS (INDIA)
	UDEY PYROCABLES PVT. LTD.
	TEMPSENS INSTRUMENTS (I) PVT.LTD.
	GUPTA POWER INFRASTRUCTURE LTD.

Rahul Kumar Bansal

Dy. Manager

Power Sector-S&BG (R & M)

Bharat Heavy Electricals Limited

2nd Floor, KRISHCO Bhawan

A-8-10, Sector-1, Noida-201 301 (U.P.)



[Handwritten signature]

टी. चन्द्रशेखर-टी. चन्द्रा सेखर
Asst. General Manager (Elect.)
आर आई एन स्टील विभाग-डी&ई डीप्ट.
RINL, Visakhapatnam Steel Plant
विशाखपट्टणम-530 031

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	T C COMMUNICATION PVT. LTD.
	SPECIAL CABLES PVT. LTD.
	PARAMOUNT COMMUNICATIONS LTD
	DELTON CABLES LIMITED
	KEI INDUSTRIES LIMITED
	CMI LIMITED
	CORDS CABLE INDUSTRIES LTD.
	MIDDLE EAST SPECIALIZED CABLES CO.
	KEC INTERNATIONAL LIMITED
	THERMO CABLES LIMITED
JBS FOR LIGHTING (EXPLOSION PROOF)	FCG FLAMEPROOF CONTROL GEARS
	FLAMEPROOF EQUIPMENTS PVT.LTD.
	SAFEX FLAMEPROOF CONTROLS (P) LTD
	KAYSONS TECHNO EQUIPMENTS PVT. LTD.
AC VARIABLE SPEED DRIVES	SCHNEIDER ELECTRIC INDIA PVT. LTD.
	LARSEN & TOUBRO LIMITED, HYD
	HITACHI HI-REL POWER
	SIEMENS LIMITED
	ROCKWELL AUTOMATION INDIA PVT LTD.
DRY TYPE TRANSFORMER UPTO 150 KVA	HAMMOND POWER SOLUTIONS PVT. LTD.
	VOLTAMP TRANSFORMERS LTD.
	GUJARAT PLUG-IN DEVICES PVT. LTD
	Kalpa Elektrikal Private Limited
	CHHABI ELECTRICALS P LTD.
	AUTOMATIC ELECTRIC LTD.
	PS ELECTRICALS PVT. LTD.
LIGHTING PANELS HAZARDOUS AREA	FCG FLAMEPROOF CONTROL GEARS
	FLAMEPROOF EQUIPMENTS PVT.LTD.
	SAFEX FLAMEPROOF CONTROLS (P) LTD
	KAYSONS TECHNO EQUIPMENTS PVT. LTD.
ELECTRIC ACTUATORS	LIMITORQUE INDIA LTD.
	AUMA (INDIA) LTD;
	ROTORC CONTROLS INDIA LTD.
L.T MOTORS (FLAME PROOF)	KIRLOSKAR ELEC.CO.LTD
	ABG MOTORS LIMITED
	LAXMI HYDRAULICS PVT. LTD.
	BHARAT BIJLEE LTD, MUMBAI
	CG POWER & INDUSTRIAL SOLUTIONS
ILLUMINATION ITEMS PACKAGE	MIKA ENGINEERS
	Avalds Technovators Private Limited
	IEC ELECTRICALS
	SQUARE A ENTERPRISES
FIRE PROOF SEALING SYSTEM FOR CABLE INSTALLATIONS	Asharam Engineering and Firestop
	MULTI KILFIRE PVT. LTD
	JPSC Solutions Pvt Limited
	VIJAY SYSTEMS ENGINEERS PVT. LTD.
	MURUGAPPA MORGAN THERMAL
	Blue Fence Systems (P)Ltd
FRP CABLE TRAYS AND ACCESSORIES	SUMIP COMPOSITES PVT. LTD.
	SATYAM COMPOSITES PVT LTD
	GENERAL COMPOSITES PVT. LTD.
	ERCON COMPOSITES
ELECTRICAL LAB EQUIPMENT	TECHNOLOGY PRODUCTS
	AVANTE GLOBAL SERVICE PVT. LTD.
	PCI LIMITED
	MOHAN MARKETING ASSOCIATES
LT.MOTOR CONTROL CENTERS (1250A & BELOW), A C & D C	SCHNEIDER ELECTRIC INDIA PVT. LTD.
DISTRIBUTION BOARDS	BCH ELECTRIC LTD.
	LARSEN & TOUBRO LIMITED, HYD

Rahul Kumar Bansal
Dy. Manager
Power Sector-SSDG (R & W)
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T. चन्द्रशेखर-T. CHANDRASEKHAR
सहायक महा प्रबंधक (वि)
Asst. General Manager (Elect.)
अ व अ विभाग-D&E Dept.
आर आई एन स्टील विखोवपट्टनम इस्पात संयंत्र
RINL, Visakhapatnam Steel Plant
विशखपट्टनम-Visakhapatnam-530 031

PE&SD Hyderabad

Tender Name: RINL Visakhapatnam 4 nos. of ESP's REVAMP
PE&SD Vendor ListRev 00
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	C AND S ELECTRIC LIMITED
	SPACEAGE SWITCHGEARS LIMITED
	UNILEC ENGINEERS LIMITED.
	PYROTECH ELECTRONICS PVT. LTD.
HT/LT ENERGY METERING PANEL	AAKRUTHI ENGINEERING ASSOCIATES
LT BUSDUCT	ENGINEERING CONSTRUCTION CORP.
	JASPER ENGINEERS PVT. LTD.
	ENPRO ENGINEERING
	STARDRIVE BUSDUCTS LTD
	UNITED ELECTRIC CO. (DELHI) PVT. LT
	UNILEC ENGINEERS LIMITED
ELECTRICAL SYSTEM STUDIES SOFTWARE PACKAGE	C AND S ELECTRIC LIMITED
	TRIDENT TECHLABS PVT. LTD.
WEATHER PROOF LOCAL CONTROL STATIONS CRCA UPTO IP55	ETAP AUTOMATION PVT. LTD.
	BCH ELECTRIC LTD.
	HAVELLS INDIA LTD
	CONTROL DEVICES
ESE TYPE LIGHTNING ARRESTOR	SNAGA ENTERPRISES
	PROLITE ENGINEERS PVT LTD
	SABO SYSTEMS PVT. LTD.
FIXED TYPE LT AC AND DC DBS	VIDHYUT CONTROL INDIA PVT. LTD.
	JAKSON ENGINEERS LIMITED
	PYROTECH ELECTRONICS PVT. LTD.
	GE INDIA INDUSTRIAL PRIVATE LTD.
	UNILEC ENGINEERS LIMITED
	C AND S ELECTRIC LIMITED
	LARSEN & TOUBRO LIMITED, HYD
	BCH ELECTRIC LTD.
DRY TYPE TRANSFORMER ABOVE 1000 KVA	HAMMOND POWER SOLUTIONS PVT. LTD.
DRY TYPE TRANSFORMER ABOVE 150 KVA & UPTO 1000KVA	TOSHIBA TRANSMISSION & DISTRIBUTION
	ESENNAR TRANSFORMERS PVT. LTD.
GI SUPPORT STRUCTURE FOR MOUNTING OF SMU/PANEL/JBS	HAMMOND POWER SOLUTIONS PVT. LTD.
	INDUSTRIAL PERFORATION (I) PVT. LTD
	UNITECH FABRICATORS & ENGINEERS PVT
	RUKMANI ELECTRICAL & COMPONENTS
	RABI ENGINEERING WORKS PVT. LTD
	RATAN PROJECTS & ENGG. CO. PVT. LTD
	INDIA ELECTRICALS SYNDICATE
	PREMIER POWER PRODUCTS
	SARAL INDUSTRIES
	VINFAB ENGINEERS INDIA PRIVATE
	INDIANA GRATINGS PVT. LTD.
	ANIL STEELS PVT LTD
	M J ENGINEERING WORKS (P) LIMITED
	PATNY SYSTEMS PVT. LTD
MINERAL INSULATED COPPER CLAD CABLE	Techfab Systems Private Limited
	Saini Electronics Security Systems
OIL FILLED DISTRIBUTION TRANSFORMERS UP TO 2.5MVA	TOSHIBA TRANSMISSION & DISTRIBUTION
	SCHNEIDER ELECTRIC INFRASTRUCTURE
	MAHATI INDUSTRIES PVT. LTD.
	RAYCHEM RPG PRIVATE LIMITED.
	KIRLOSKAR ELECTRIC CO. LTD.
	VOLTAMP TRANSFORMERS LTD.
	HAMMOND POWER SOLUTIONS PVT. LTD.
	ESENNAR TRANSFORMERS PVT. LTD.
	CG POWER & INDUSTRIAL SOLUTIONS LTD

Rahul Kumar Bansal
Dy. Manager
Power Sector-SSBG (R & M)
Bharat Heavy Electricals Limited
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श्री. चन्द्रासेनहा
Asst. General Manager (Elect.)
आर और एन पी विनायकगुप्त इस्पात प्लांट
RINL, Visakhapatnam Steel Plant
विनायकगुप्त-विशाखापत्तनम-530 001



BHEL-EPD BANGALORE

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Bharat Heavy Electricals Limited

(A Government of India Undertaking)

Electric & Photovoltaic Division, Bengaluru

Project: R&M of 4 nos. of ESPs of Boilers in Vizag Steel Plant of RINL

LIST OF SUB-VENDORS-Proposed

Sl. No.	Components List	Name of Sub-Vendor
1	Air Circuit Breaker (ACB)	ABB
		Schneider
		L & T
		Siemens
		C & S Electric
		GE-POWER
2	Data Concentrator (DCS)	ABB
		Schneider
		SIEMENS
		SEL
		GE(ALSTOM)
3	Ethernet Switches	RUGGEDCOM
		GARRETTCOM
		NETGEAR
		HIRSCHMANN
		MOXA
		CISCO
4	a) Molded case circuit breakers (MCCB), b) Motor Protection Circuit Breaker (MPCB), c) AC Power Contactor, d) Thermal Overload Relay (OLR)	ABB
		Schneider
		L & T
		Siemens
		C & S Electric
		GE-POWER
5	SWITCH FUSE UNIT (SFU)	BCH Electric
		ABB
		Schneider
		L & T
		Siemens
		C & S Electric
		GE-POWER

Rahul Kumar Bansal
By Manager

Power Sector-SSBG (R & M)

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Asst. General Manager (Elect.)
अथवा विमान-DE Dept.
आर आई एन एल विशाखपट्टनम इस्पात संयंत्र
RINL, Visakhapatnam Steel Plant
विशाखपट्टनम-Visakhapatnam-530 031



Sl. No.	Components List	Name of Sub-Vendor
6	Miniature Circuit Breaker (MCB)	ABB Schneider L & T Siemens C & S Electric GE-POWER LEGRAND STANDARD HAVELLS BCH Electric
7	Electronic Motor Protection Relay (EMPR)	ABB Schneider L & T Siemens C & S Electric GE-POWER
8	Current transformer / Voltage Transformers (VT/PT)	Automatic Electric Precise Electricals Kappa Electricals Pragati Electricals KALPA Indcoil Gujrat plug in (for CT only) Newtek Electricals
9	Control Transformers(CST)	Automatic Electric Precise Electricals Kappa Electricals Pragati Electricals KALPA Indcoil Gujrat plug in Newtek Electricals
10	Interposing Relays	Jyoti OEN PLA Schneider GUARDIAN OMRON

A 8-10, Sector-1, Noida-201 301 (U.P.)



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BHEL-EPD BANGALORE

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Sl. No.	Components List	Name of Sub-Vendor
18	DC Power Contactor	ABB
		Schneider
		L & T
		Siemens
		C & S Electric
		GE-POWER
		BCH electric ltd
19	Ammeter(Analog)	AE
		Rishabh
		IMP
		MECO
20	Voltmeter(Analog)	AE
		Rishabh
		IMP
		MECO
21	Ammeter(DIGITAL)	AE
		Rishabh
		L&T
		MECO
		Secure
		Schneider/conzerv
22	Voltmeter(DIGITAL)	AE
		Rishabh
		L&T
		MECO
		Secure
		Schneider/conzerv
23	FUSE Base with holder	ABB
		Schneider
		L & T
		Siemens
		C & S Electric
		GE-POWER
24	FUSES (Power/Control)	GE-Power
		Siemens
		L & T
		C & S Electric
		Schneider
		COPPER BUSSMANN
		ABB

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Assst. General Manager (Elect.)
RINL, Visakhapatnam Steel Plant
Visakhapatnam-530 034



BHEL-EPD BANGALORE

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Sl. No.	Components List	Name of Sub-Vendor
25	Control Switchs	Kaycee
		Salzer, L&T
		SWITRON
		RECOM
26	Indicating Lamp	Siemens
		RASS (C & S Electric)
		Vaishno
		L & T (ESBEE)
		Schneider
		ABB
		SECO
27	Push Button	TEKNIK
		Siemens
		RASS (C & S Electric)
		Vaishno
		L & T (ESBEE)
		TEKNIK
		Schneider
28	Transducer	ABB
		Southern Transducer
		AE
		Rishabh
29	Terminals Block	Secure
		MECO
		Phoenix
		Connect well
30	Cable Glands	Elemex
		Wago
		HEX
		Commet
		DOWELLS
		Jainson
31	Cable Lugs	3D
		Sunil & Co.
		HEX
		Commet
		DOWELLS
		Jainson
32	Local Motor Starter	3D
		Sunil & Co.
		HEX

Not required

Rahul Bansal

SBG (R & M)
Electricals Limited
KRIHCO Bhawan
Maha 204 205/11/1

CHANDRA SEKHAR
General Manager (Elect.)
RINL, Visakhapatnam Steel Plant
Visakhapatnam-520 031

NA



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Sl. No.	Components List	Name of Sub-Vendor
		ABB
		BCH
33	Industrial Socket	Schneider
		Anchor
		Bajaj
		Philips
		crompton Greaves
		BCH Electric

Include Legend
Hensel

~~Dy. Manager~~

Power Sector-SSBG (R & M)

Bharat Heavy Electricals Limited

2nd Floor, KRIBHCO Bhawan

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Dr. Y. N. Chakrabarti, General Manager (R&D)
Asst. General Manager (R&D)
RINL, Visakhapatnam Steel Plant
Visakhapatnam-Visakhapatnam-530 031

Project: R&M of 4 nos. of ESPs of Boilers in Vizag Steel Plant of RINL		
Sub- Vendor List for HT Switchgear (33/11/6.6 kV)		
Sl. NO.	ITEM DESCRIPTION	BHEL APPROVED VENDORS
1	CT/PT, CBCT	BMC ELECTROPLAST PVT.LTD. KOLKATA ELECTRICAL CONTROLS & SYSTEMS VADODARA HUPHEN FABRICATORS PVT. LTD. NASIK KAPPA ELECTRICALS KANCHIPURAM LAXMI BHOPAL NARAYAN POWERTECH PVT. LTD. VADODARA PLASTOFAB KOLKATA PARAS POWER ENGG PVT. LTD. BANGALORE PRAGATI ELECTRICALS PVT. LTD. MUMBAI SILKAANS ELECT. MFG. CO. PVT. LTD. MUMBAI VIDYUT UDYOG PUNE
2	33KV CT/PT	ELECTRICAL CONTROLS & SYSTEMS BARODA KAPPA ELECTRICALS TAMILNADU NARAYAN POWERTECH PVT.LTD. BARODA PRAGATI ELECTRICALS PVT.LTD MUMBAI
3	NUMERICAL RELAY	ABB INDIA LIMITED BARODA ABB INDIA LIMITED BANGALORE GE T&D (Formerly Alstom/ GE Multilin) INDIA LTD. CHENNAI SCHWEITZER-ENGINEERING LAB PVT. LTD. USA SIEMENS LIMITED GOA SCHNEIDER ELECTRIC INFRASTRUCTURE LIMITED CHENNAI
4	NUMERICAL RELAY NETWORKING SYSTEM	ABB INDIA LIMITED BARODA ABB INDIA LIMITED BANGALORE GE T&D (Formerly Alstom/ GE Multilin) INDIA LTD. CHENNAI SCHWEITZER-ENGINEERING LAB PVT. LTD. USA SIEMENS LIMITED GOA SCHNEIDER ELECTRIC INFRASTRUCTURE LIMITED CHENNAI
5	PROTECTION RELAY / AUXILIARY RELAY / ELECTROMECHANICAL (CONVENTIONAL) RELAY	ABB INDIA LIMITED BARODA ABB INDIA LIMITED BANGALORE GE T&D (Formerly Alstom/ GE Multilin) INDIA LTD. CHENNAI SIEMENS LIMITED GOA SCHNEIDER ELECTRIC INFRASTRUCTURE LIMITED CHENNAI
6	VACUUM INTERRUPTER, 12 KV 50 KA, 36 KV 40 KA,	EATON POWER QUALITY PVT.LTD. INDIA EATON CORPORATION USA CGL AURANGABAD

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Rajag
Jintan

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Rahul Kumar Bansal
Dy. Manager
Power Sector-S&BG (R & M)

Asst. General Manager (Elect.)
RINL, Visakhapatnam Steel Plant
विशाखपट्टणम-530 031

		ABB, NASHIK BEL, BANGALORE
7	VACUUM INTERRUPTERS FOR 36 KV 25 KA, 12 KV 40 KA, 7.2 KV 44 KA,	BHARAT ELECTRONICS LTD BANGALORE
8	VACUUM CONTACTOR	ABB INDIA LIMITED VADODARA CG POWER AND INDUSTRIAL SOLUTIONS LTD. AURANGABAD SIEMENS LTD. MUMBAI
9	BUS TRANSFER RELAY WITH BHEL MAKE PANEL	AARTECH SOLONICS LTD. , PARWANOO, Model : BTS 2000 with Relematika Russia Hardware Platform ABB INDIA LIMITED Model : SUE3000 Finland PARTH ELECTRICALS AND ENGINEERING PVT LTD. Model: MFC2000-6 WISCOM make ,CHINA SCHWEITZER ENGINEERING LAB. PVT.LTD. Model : SEL451 USA
10	ENERGY METER	SEMS , UDAIPUR AMETEK-POWER-INSTRUMENTS,USA ELSTER, MUMBAI L & T, MYSORE SIEMENS LTD. , MUMBAI SCHNEIDER, CHENNAI/BANGALORE
11	MULTIFUNCTION METER	SEMS , UDAIPUR ELECON MEASUREMENTS PVT. LTD., BANGALORE RISHAB , NASHIK SIEMENS LIMITED, MUMBAI SCHNEIDER ELECTRIC INFRASTRUCTURE LIMITED, BANGALORE
12	TRANSDUCERS	AUTOMATIC ELECTRIC LTD, MUMBAI ELSTER, MUMBAI INDO SWEDISH INSTRUMENTS, DELHI MECO INSTRUMENT PVT. LTD. , MUMBAI MASIBUS AUTOMATION & INSTRUMENTS(P) LTD. , GANDHINAGAR RISHAB , NASHIK PYROTECH ELECTRONICS PVT. LTD.(UNIT- IV), UDAIPUR SOUTHERN TRANSDUCERS, CHENNAI

NA

NA

Not required

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T. CHANDRA SEKHAR
Asst. General Manager (Elect.)
Asst. Genl. Mgr. (D&E Dept.)
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13	INSTRUMENTS	AUTOMATIC ELECTRIC LTD, MUMBAI MECO INSTRUMENT PVT. LTD, MUMBAI RISHAB, NASIK/ MUMBAI PYROTECH ELECTRONICS PVT. LTD. (UNIT-IV), UDAIPUR SELEC-CONTROLS PVT. LTD., MUMBAI
14	SURGE SUPPRESSORS ZNO TYPE	LAMCO INDUSTRIES PVT. LTD, HYDERABAD ELPRO, PUNE RAYCHEM, HALOL OBLUM ELCTRICAL INDUSTRIES PVT. LTD., HYDERABAD
15	POWER CABLE LUG & GLAND	BRASS COPPER & ALLOY (INDIA) LTD., MUMBAI BRACO ELECTRICALS (INDIA) PVT. LTD., MUMBAI CENTRAL HARDWARE INDUSTRIES, VADODARA CHETNA ENGINEERING CO., NASHIK ELECTROMAC INDUSTRIES, 1ST FLOOR, MUMBAI HEX CABLE ACCESSORIES PVT. LTD., JAMNAGAR S.J. METAL INDUSTRIES (JAINSON), MUMBAI
Note: 1. Small items not covered above like Control Switches, LED lamps, Push Buttons, Test Link Block, Hooter/Buzzers, Limit Switches, Thermostat & Space Heater, Spring charging motors, MCB, LT Fuse, PVC control wires & lugs, Terminal Blocks, Auxillary contactor/ Plug-in relays, Thermal overload relays. Switch & socket, PT/HT fuse etc. are stocked by BHEL & procured from BHEL approved reputed make. Hence same shall be used in switchgear panel of subject projects. 2. All the items listed above may / may not be used in a particular panel.		

Rahul Kumar Bansal
Dy. Manager



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अ. व. अ. विभाग-D&E Dept.
आर. आई. एन. एल. विशाखपट्टणम इस्पात संयंत्र
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