

DATA REQUIRED for WEB HOSTING – MM SYSTEMS – 2015 - 2016

DETAIL	INFORMATION
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Notification (Reference) No. If Available	-
Tender Title	Notification for “Wanted Suppliers”
Tender Type	Notification
BRIEF DESCRIPTION	BHEL/Thiruchirappalli invites Applications for Registration from Suppliers / Manufacturers for supply of various items listed in BHEL Website. Applications are to be submitted through on-line portal. Link for Online Supplier Registration is provided in the Home page of BHEL Trichy website. This can be accessed through http://www.bhel.com/ -> Online Suppliers Registration - Materials Management
NIT REFERENCE	
SINGLE / TWO Part	-
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Date of Issue of Notification -DD/MM/YY	30.04.2015
Date of Pre Bid Meet if arranged	-
Date for Closure of Sale of Forms -DD/MM/YY	30.04.2016
Completed Forms to be submitted by -DD/MM/YY	30.04.2016
Date of Opening of Bids -DD/MM/YY	30.04.2016

Sl. No	PMD Group	Description	No of Suppliers in PMD	No of techno commercially qualified offers in recent tenders	Annual procurement Approx. in lakh	Approx Annual Requirement (MT)
	<u>RM / STEELS</u>					
1	SPL91	Plates to spec SA 387 Gr 91	3	3	2167	1000
2	SRF91	F91 Rounds	4	4	94	50
3	STBQ1	Drum Plates to Spec SA 299	5	4	858	1000
4	STCS1	Base Plate to spec A36	7	2	891	1500
5	STCS1	Ceiling girder plates to Spec BSEN 10025 S420N	7	4	3536	5000
6	STLUB	Parallel Flange Beam (H-Beam)	5	1	1200	3000
7	STCBM	Carbon Steel Blooms	8	5	6000	15000
8	STABM	Alloy Steel Blooms	5	4	9500	15000
9	STSSP	Stainless Steel Plates to spec SA240 (300 series & 400 series)	6	3	6000	3000
10	STASP	Alloy Steel Plates (SA 387 Gr 12 & Gr 22)	11	8	4000	5000
11	STBQ2	Plates to spec SA 515 Gr 70 & SA 516 Gr 70	6	3	1350	3000
	<u>RM / PSS</u>					
1	PBNMP	BPS Name plates	4	4	15.06	
2	PGPH1	H R Al paint Gr I	4	4	15.9	
	<u>RM / TUBES</u>					
1	STASF	Alloy steel coiled fin flats	3	3	3355	
	<u>RM / PIPES</u>					
<u>NOT REQUIRED</u>						
	<u>RM / C & F</u>					
1	CFFGF	Forged Finned Elbows SA182F12	15	2	75	1100 nos. / Boiler
2	CFDES	Hemispherical Dished Ends size (ranging from OD : 500 to 1100 mm & Thickness 70 mm to 160 mm) SA234 WP12, SA299, SA234 WP91	6	3	200	12 nos. / Boiler
3	CFF91	F91 Hollow Forgings & Falt End Covers (Forged Disc) SA182F91	9	3	45	50 nos. / Boiler

WELDING CONSUMABLES

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Plant	SI	Matl. Group	Material Group Description
TPFB	1	WCF02	WELDG.WIRE:FLUX CORE
TPFB	2	MIGA1	GMAW WIRE ER80S-B3L
TPFB	3	MIGA2	GTAW WIRE FOR T92
TPFB	4	MIGA5	ER90S-B3 BPGMAW WIRE
TPFB	5	MIGN1	GMAWWIRE ERNiCRFe-7A
TPFB	6	MIGS1	GMW WIRE ER308H
TPFB	7	MIGW8	GMAW WIRE ER80S-G
TPFB	8	MIGWA	GMWA WIRE FOR T23.
TPFB	9	SAWA1	SAWWIRE FOR SA335P92
TPFB	10	TIGA1	GTAW ROD - T92 / P92
TPFB	11	TIGS1	GTAW ROD ER316H
TPFB	12	TIGS3	GTAW ROD ER308H
TPFB	13	TIGWB	GTAW ROD SUPER304H
TPFB	14	TIGWD	GTAW ROD
TPFB	15	WCA25	SMAW ELECD - T92/P92
TPFB	16	WCA26	SMAW ELEC E8018-B3L
TPFB	17	WCA27	SMAW ELEC E7018-B2L
TPFB	18	WCF05	WELDG: WIRE: FLUX CO
TPFB	19	WCFA1	BULKPACK :E551T1-B2C
TPFB	20	WCH05	SMAW ELECTRO ECoCr-E
TPFB	21	WCS27	WELDG.ELECTRODES:SMA
TPFB	22	WCS38	SMAW ELECTRD 253MA
TPFB	23	WCS39	SMAW ELEC E308H-16
TPFB	24	WCS40	SMAW ELEC E316H-16
TPFB	25	WCW02	WELDING WIRE:SAW EB3
TPFB	26	WCW08	WELDING WIRE:SAW EA4
TPVS	27	SSOFL	WELD:SS-OVERLAY FLUX
TPVS	28	WCH03	WELD:SMAW:HF-ECrCrA
TPVS	29	WCT01	WELD:HF-HAY.ALLY 25
TPVS	30	WCT02	WELD:HF-HAY.ALLY 21
TPVS	31	WCW05	WG:WIRE:SAW ER410
TPFB	32	DRMFL	WELDING FLUX-DRUM
TPFB	33	FINFL	WELDING FLUX-FIN
TPFB	34	MIGA4	ER80S-B2 BPGMAW WIRE
TPFB	35	MIGS3	GMAW WIRE ER309L
TPFB	36	MIGW1	ER 70S-A1 GMAW WIRE
TPFB	37	MIGW6	WELDG.WIRE-MIG ER90S
TPFB	38	MIGW9	GMAW WIRE ER90S-G
TPFB	39	TIGA2	GTAW ROD ER80S-B3L
TPFB	40	TIGS2	GTAW ROD ER309L
TPFB	41	TIGW4	WELDG.WIRE-TIG ER347
TPFB	42	TIGW9	ER80S - D2 GTAW ROD
TPFB	43	WCA24	SMAW ELECTRD T23/P23
TPFB	44	WCF06	WELDG. WIRE: FLUX CO
TPFB	45	WCF11	ER70S - 6 BULK PACKS
TPFB	46	WCL07	WELDG.ELECTRODES:SMA
TPFB	47	WCL08	SMAW ELECTRODE
TPFB	48	WCS22	WELDG.ELECTRODES:SMA
TPFB	49	WCS28	WELDG.ELECTRODES:SMA
TPFB	50	WCS29	WELDG.ELECTRODES:SMA
TPFB	51	WCW06	WELDING WIRE:SAW EB2
TPVS	52	WCF03	WG:WIRE.FC.E309LMoTO
TPVS	53	WCS31	WELD:SMAW:SS E410-15
TPVS	54	WCS32	WELD:SMAW:SS E430-15
TPVS	55	WCW04	WG:WIRE:SAW ER430

UNIT: HPBP-TRICHY**PSS ITEMS**

MATERIAL GRP.	MATERIAL GRP. DESCRIPTION	ITEM DESCRIPTION	ANNUAL PROCUREMENT VALUE (LAKHS)
PTAPT	2 SIDE ADHESIVE TAPE	25MM X 27METRE LENGTH DOUBLE SIDED ADHESIVE POLYSTER TAPE IN ROLL. DOUBLE SIDED ADHESIVE POLYESTER TAPE IS REQUIRED FOR STICKING THE EMERY PAPER ON THE LAPPING PLATE TO DO LAPPING OPERATION AT VALVES PRODUCTION ASSEMBLY SHOP.	1.73
PTDSW	DISC SLITTING WHEELS	1. SIZE: OD 585MM X TH 5MM X BO 30MM. DISC SLITTING WHEEL GR A/WA30P6 B33 OR EQUIVALENT GRADE WITH REINFORCEMENT AT FLANGE CLAMPING AREA DIA 220MM 2. DIA 860MM X THICK 7MM X BORE 100MM ABRASIVE DISC SLITTING WHEEL GRADE WA24 P8B39(OR EQUIVALENT GRADE) SPECIFICATION. ONE 18mm HOLE ON PITCH CIRCLE DIAMETER 150MM MUST BE PROVIDED FOR LOCATION AND TO GIVE POSITIVE DRIVE TO SLITTING WHEEL. REINFORCED CLAMPING AREA 220MM	9.37
PTTPE	STEEL MEASURING TAPE	3 METRE / 20 METRE / 30 METRE STEEL MEASURING TAPE CLASS I OF IS 1269(PART-2)/1997 MARKED IN MM ON BOTH SIDES WITH WHITE/YELLOW BACKGROUND. MAXIMUM PERMISSIBLE VARIATION AT ANY LENGTH IS +/- (0.1+0.1L)MM WHERE L IS LENGTH IN METRE AND VARIATION ON TOTAL LENGTH IS PLUS OR MINUS 0.4MM / 2.1MM / 3.1MM WHEN MEASURED AT 20 DEGREE CENTIGRADE WITH 5.0 KG TENSION LOAD	9.3
PTTUE	TUBE EXPANDERS	PLAIN TUBE EXPANDER , FLARING TUBE EXPANDER , CONE ROLLING TUBE EXPANDER, SPARE MANDREL AND SPARE ROLLERS.	9.57
PTCRB	CARBIDE BURRS	TUNGSTON CARBIDE ROTARY BURRS-STANDARD CUT TREE POINTED END, SPHERICAL BALL, CYLINDRICAL EDGE CUT, CONICAL AND BALL NOSE CONE.	2.89
PTGRW	GRINDING WHEELS	SILICON CARBIDE AND ALUMINIUM OXIDE GRINDING WHEEL WITHOUT SHELF LIFE TYPE 1, TYPE 2, TYPE 5, TYPE 6, TYPE 12.	52.77
PTHPB	HACKSAW BLADES	HSS HAND HACKSAW BLADE / HSS POWER HACKSAW AS PER STANDARD IS:2594/2003.	6.89
PTZBL	ZIRCON BELTS	ZIRCONIA SYNTHETIC BACKING RESIN INDUSTRIAL CLOTH BELTS - GRIT 36.	3.25
PTBFH	BORING & FACING HEADS	UNIVERSAL BORING AND FACING HEAD WITH ISO 50 ADAPTOR. ISO 50 AS PER DIN 69871.FINE ADJUSTMENT PER ONE DIVISION 0.01 mm. BORING AND FACING HEAD MUST BE SUPPLIED ALONG WITH ONE SET OF ACCESSORIES IN A TOOL BOX(CONSISTING BORING BAR, HOLDERS, TURNING BITS, CLAMPING SLEEVES AND SERVICE KEY) WOHLHAUPTER CODE UPA 3 OR EQUIVALENT.	1.33

MATERIAL GRP.	MATERIAL GRP. DESCRIPTION	ITEM DESCRIPTION	ANNUAL PROCUREMENT VALUE (LAKHS)
PTGWL	SHELF LIFE GRINDING WHEELS	GRINDING WHEELS, CUT OFF WHEELS, DEPRESSED CENTRE GRINDING WHEEL WITH 2 YEARS SHELF LIFE, TYP-1 GRINDING WHEEL FOR PORTABLE GRINDER.	0.64
PTAPG	API GAUGES	MASTER GAUGES SET OF GROUND MASTER THREAD PLUG GAUGE AND MASTER THREAD RING GAUGE AS PER STANDARD API-5B. MASTER GAUGES SET SHOULD BE SUPPLIED WITH API MONOGRAM AND CALIBRATION CERTIFICATE ISSUED BY ANY ONE OF THE API APPROVED CALIBRATION AGENCIES MENTIONED BELOW: A) Instituto Nacional de Tecnologia Industrial, Buenos Aires, Republic of Argentina. B) Stabilimento Militare Materiali Elettronici e di Precisione, Rome, Italy. C) National Institute of Metrology, Beijing, Peoples' Republic of China. D) National Institute of Standards and Technology, Gaithersburg, Maryland, USA. E) National Physical Laboratory, Teddington, Middlesex, England. F) National Research laboratory of Metrology, Ibaraki, Japan. G) National Standards Laboratory, Chippendale, New South Wales, Australia (limited to gauges for size 8-5/8 and smaller).	7.68
PTCSA	CT CIRCULAR SAW	1. CARBIDE TIPPED CIRCULAR SAW BLADE FOR CHOP SAW MACHINE OD 355 X THICKNESS 2.4 X BORE 25.4 - 66 TEETH FOR CUTTING CARBON STEEL MATERIAL-CARBIDE GRADE FOR CUTTING CARBON STEEL TUBES 2. CARBIDE TIPPED CIRCULAR SAW BLADE FOR CHOP SAW MACHINE OD 355 X THICKNESS 2.4 X BORE 25.4 - 90 TEETH FOR CUTTING STAINLESS STEEL MATERIAL-CARBIDE GRADE FOR CUTTING STAINLESS STEEL TUBES	7.12
PTABR	COATED ABBRASIVES	EMERY CLOTH IN ROLLS, SILICON CARBIDE WATER PROOF EMERY PAPER	16.31
PTATC	HSS CIRCULAR SAW	1. HSS-M35 CIRCULAR SAW WITH MULTILAYER TiCN COATING SIZE: 400 (OD) X 3 (THICK) X 50MM (BORE) - 100 TEETH. TOOTH PROFILE 'HZ'. HOLES FOR CARRIER BOLT DIA 15mm ON PITCH CIRCLE DIA 80mm (4 NUMBERS AT 90 DEGREE APART) - TUBE MATERIAL TO BE CUT IS SA213- T91 AND STAINLESS STEEL 347H. TUBE DIA 63.5MM AND THICKNESS 14.0 MM 2. HSS-M2 CIRCULAR SAW SIZE: 400 (OD) X 3(THICK) X 50MM (BORE) - 110 TEETH -STEAM TREATED. TOOTH PROFILE 'HZ'. HOLES FOR CARRIER BOLT DIA 15mm ON PITCH CIRCLE DIA 80mm (4 NUMBERS AT 90 DEGREE APART)	35.18
PTHCT	HSS CUTTING TOOLS	TAPER SHANK TWIST DRILLS, SUB LAND DRILLS, STRAIGHT SHANK DRILLS, CARBIDE TIPPED TAPER SHANK TWIST DRILL, REAMERS, END MILLS, SLOT CUTTERS.	51.01

MATERIAL GRP.	MATERIAL GRP. DESCRIPTION	ITEM DESCRIPTION	ANNUAL PROCUREMENT VALUE (LAKHS)
PTPUN	LETTER AND NUMBER PUNCHS	STEEL LETTER PUNCH A TO Z AND NUMBER PUNCH (0 TO 8) IN CONTAINER AS PER IS 6864/1984	10.27
PTSPD	SPADE DRILLS	POWDER METALLURGY SUPER COBALT HSS SPADE DRILL HOLDER AND INSERTS WITH TIN COATING- FOR DRILLING CARBON STEEL, LOW ALLOY STEEL AND HIGH ALLOY STEEL (P91 MATERIALS), ROTARY COOLANT ADAPTOR TO SUIT SPADE DRILL.	5.6
PTSTE	STRAIGHT EDGES	STEEL STRAIGHT EDGES- HARDENED & GROUND/LAPPED-CROSS SECTION- NOT BEVELLED OR GRADUATED AS PER STANDARD IS:2220/1990 - GRADE 1, STRAIGHTHT EDGES DIN 866 FORM B.	3.77
PTWR	WRENCHES	TORQUE WRENCH RATCHETING MODEL, STRUCTUTAL WRENCHES WITH HANDLE -OFFSET RING TYPE, PIPE WRENCH.	2.26
PTTAT	TAPPING ATTACHMENTS	QUICK CHANGE TAPPING CHUCK WITH MORSE TAPER 3 (DIN 228 B) WITH ADJUSTABLE SAFETY CLUTCH AND TORQUE LIMITER.	14.35

BOUGHT OUT ITEMS

S.No	Item code	Item Description	Annual Business volume per annum (Rs in Lacs)
1	24ASV	AIR ASSISTED S.VALVE	67.2
2	33SSR	SS WIREMESH ROPE	33.4
3	41GIG	IFM GAS IGNITOR	260.5
4	42OPP	PUMP WITH MOTOR(DRAI	32.5
5	42SMP	SUMP PUMP	15.0
6	42TUR	STEAM TURBINE DRIVE	111.2
7	44ADD	ASH DISCHARGE DEVICE	109.9
8	45GRB	GRAPHALLOY Bearing	15.8
9	48SBP	BEARING:SLIDE BEARIN	79.9
10	6MMTC	MM THERMOCOUPLE	15.0
11	81HTP	HYDROTEST PUMP	7.3
12	95CPU	MPGFC CPU	327.5
13	95FSK	FLAME SCANNER HEAD A	7.0
14	95LSW	MPGFC LICENSED SWARE	10.0
15	97ELE	ELECTRODE FOR EWLI	20.0
16	97ERV	SDE:SWITCH:ERV PR.SW	6.8
17	97FRP	FRP CABLE TRAYS	20.0
18	97PEM	PURGE METER	9.6
19	97SMP	SWITCH MODE POWER SU	0.2
20	AYFOC	FIBRE OPTIC CABLE &	26.0
21	FDCIR	FEEDER:CIRCLIPS	1.9
22	24NBS	NITROGEN BLANKET SYS	1.9
23	42SPR	SPEED REGULATOR	1.2
24	43FHN	HOSES:NEOPRENE FOR I	10.3
25	43MSA	MILL SEAL AIR FILTER	27.1
26	43SFE	SCANNER AIR FILTER E	1.5
27	44SGL	Glass-SightGlassAssy	5.0
28	47BIG	BUNKER ISOLATION GAT	0.5
29	47GAS	GASKETS FOR COUPLING	16.2
30	47MFT	MASTERFUEL TRIPVALVE	3.3
31	48FEJ	CFBC-FABRI EXPNJOINT	50.2
32	48HRG	HEAT RESISTENT GLASS	3.5
33	81TLG	GAUGES:BDT/TUBULAR L	5.0
34	95CFD	MICROWAVE TYPE NO CO	5.0
35	95FN3	NAME PLATES - 3 PLY	0.1
36	95RPA	MPGFC RACK,PCB & ACC	54.4
37	95VFD	VFD CONTROLLER	43.8
38	95WMP	WIRED MOD PANEL -RCP	123.1
39	97EMR	FLAME SCANNER MODULE	147.9
40	97EMS	ASLD MODULES	30.0
41	97ERC	EWLI &BHELMO MODULES	78.7
42	97LLS	SWITCHES:LEVEL SWITC	3.2
43	97LSW	LIMITSWITCH LIGHTDUT	62.5
44	97PDM	FLOW METER:POSI.DISP	64.3
45	97SIF	INSTRUMENT FITTINGS	4.0
46	99FPE	FURNACE MAINT.PLATFO	575.1
47	99MPF	MOBILE PLATFORM	24.8
48	AYCMM	CMM SENSOR CABLE ASS	31.0
49	AYCRB	COAL VALVES CLAD ROL	13.3
50	AYFBL	FEEDER BELT	36.0
51	AYLCH	LINK CHAINS	5.6
52	AYPLV	VALVES:PLUG VALVES	85.7

BOUGHT OUT ITEMS

S.No	Item code	Item Description	Annual Business volume per annum (Rs in Lacs)
53	CRASH	Corrugated AL Sheet	75.2
54	DBSPC	DBSCANNER UT WITH PC	13.4
55	FDMSW	FEEDER:MICRO SWITCH	5.1
56	RLAHW	PORTABLE INSTRUMENT	41.4
57	RLASW	HARDWARE & SOFTWARE	57.6
58	04SBP	DRUM SADDLE SLIDE BE	2.1
59	24HPF	HP FILL & PURGE FILT	20.0
60	24INT	INTRASCOPE	45.1
61	24SCV	HIGH PR. STARTUP SCV	331.7
62	33BMT	INSLN:BED MATERIALS	30.5
63	33CEG	CERAMIC GASKETS.	3.0
64	33CER	INSLN:CERAMIC WOOL	252.4
65	33CSS	INSLN:CALCIUM SILICA	4.9
66	33SLC	INSLN:SEALING COMPOU	7.1
67	41HUB	HEAT UP BURNER	96.1
68	42CTV	VALVE:BALLTYPE CONTL	3.2
69	42ISV	VALVE:ISOLATION VALV	197.4
70	42SKD	FUEL OIL PUMPNG SKID	0.6
71	42STT	STEAM TRAP	4.0
72	43PWC	ACTUATOR:PNEUMATIC(O	280.9
73	43PWR	ACTUATOR:PNEUMATIC R	629.7
74	47SCR	SELFCEANROTARYVALVE	99.1
75	56BLO	BLOWERS	387.1
76	65GFD	GRAVIMETRIC FEEDER	1280.7
77	95CDM	CABLE DRESSING MATER	5.0
78	95FCT	TAGS	2.4
79	95FSC	CABLE:FLAME SCANNER	186.8
80	95HEO	ACCESSORIES FOR HEAI	2.8
81	95KBP	MPGFC KBD & PS	38.2
82	95WLP	WIRED MOD PANEL -LCP	80.2
83	96FER	FERRULES	10.0
84	97AAF	ROTARY FEEDER(ASHLIN	2.7
85	97ABF	ROTARYFEEDER(BEDMatl	1.2
86	97ALF	AIR LOCK FEEDER	2.6
87	97ALS	ASH LEVEL SWITCH	3.8
88	97BAB	MODULAR TYPE CABINET	34.8
89	97BLC	Bunker Load Cell	50.0
90	97EMG	GFC MODULES	58.5
91	97EWI	EWL INDICATOR	13.9
92	97FGD	FLUEGAS ANALYZERS(DI	95.1
93	97ISO	SIGNAL ISOLATOR	4.8
94	97LAR	LIGHTING ARRESTORS	8.1
95	97RJB	REF. JUNCTION COMPEN	0.2
96	97SBF	SWITCHES:SB FLOW SWI	9.4
97	99QES	QUICK ERECT SCAFFOLD	451.8
98	AYAFR	SDM:AIRSET/FLITER/RE	9.0
99	AYASE	ANTI SEIZE:SPRAY/THR	0.7
100	AYDTM	DIGITAL TACHOMETER	1.0
101	AYENC	OPTICAL ENCODER	3.1
102	AYFDC	FEEDER COMPONENTS(EL	11.6
103	AYFLF	FEEDER LIGHT FITTING	1.2
104	AYGEL	GASKET ELIMINATOR/SE	1.2

BOUGHT OUT ITEMS

S.No	Item code	Item Description	Annual Business volume per annum (Rs in Lacs)
105	AYHLP	PUMP:FUEL OIL PUMP	166.8
106	AYHSP	SPRINGS	1.9
107	AYKIT	CALIBRATION KIT	5.5
108	AYSFB	SINTERED FLANGE BUSH	0.5
109	AYSOC	COUPLING:SLIP ON PIP	64.0
110	AYTPT	TADPOLE TAPE	6.6
111	FDGRN	FEEDER:GREASE NIPPLE	3.0
112	FGLGB	FEEDER: GLASS GLOBE	13.1
113	GBCOC	GEAR BOX AND COC DRI	81.6
114	STASH	SONICTUB ASY&SENSRHG	126.6
115	07DSP	DISC SPRINGS	3.3
116	24GMV	VALVE:GUN METAL	3.0
117	33BLR	CFBCBOILER REFRACTRY	3936.2
118	38MPS	METAPOLY SHEETS FOR	635.6
119	41HEA	HEA IGNITOR ASSY	937.3
120	41SUB	START- UP BURNER	30.0
121	42DIS	STRAINERS:SIMPLEX	0.7
122	42LMS	SDE:LS : LIGHT DUTY	28.7
123	42YTS	STRAINERS:Y TYPE STR	26.6
124	43ACT	ACTUATOR:ELEC.REGULA	55.2
125	43OAC	OIL ACCUMALATOR	41.3
126	43SAF	FAN:SCANNER AIR FAN	124.8
127	47RWC	COUPLING:ROCKWELL/SL	365.9
128	47VIC	COUPLING:VICTAULIC/P	98.0
129	48NMJ	EXPANSION BELLOWS-NO	12.5
130	80BFP	BOILER FEED PUMP	3980.3
131	95BMS	PANELS:PLC BASED CON	174.9
132	95FCG	SDE:CABLE:GLAND/ADAP	111.7
133	95FLG	SDE:CABLE :LUGS	10.0
134	95FRJ	FRP JUNCTION BOX (FI	54.4
135	95SIP	I/P CONVERTER	1.5
136	96AJF	SDE:BOX:FLAME PROOF	86.7
137	97ACF	GRAVIMETRIC FEEDER C	301.6
138	97BVA	BHELVISION: ELECTRIC	11.1
139	97CCT	CCTV SYSTEM	106.4
140	97CHC	CONDENSING POT/CONST	0.3
141	97FGK	ANALYSERS(FLUEGAS)SM	11.1
142	97OPA	ORIFICE PLATE ASSY	16.4
143	97RVC	ERV CONTROLLER & CON	8.7
144	99HEM	HANDLING EQUIPMENT:M	38.1
145	AYFLR	SDM:FELT RINGS	0.4
146	AYRHS	SDM:HIGH.PR.RUBBER	8.7
147	95FSA	FLAME SCANNER HEAD ASSY	59.4

VALVES

Sl.No.	Material Gr	Description	Annual Proc. Value (Rs. Lakhs)
1	42HHC	High pressure Hoses	2
2	43OCR	Electrical Actuators (less than 100 Kgm torque)	300
3	43OCR	Electrical Actuators - direct mounting type without gear box (higher than 100 Kgm torque)	300
4	ACTOF	Pneumatic Actuators (as per API 6A- PR2 qualified and suitable sandy service)	32
5	ACTQN	Scotch Yoke type pneumatic Actuators	46
6	ASRVL	Alloy Steel Bar stocks(Rounds)	259
7	AYBVW	Nimonic Washers for HPLP	4
8	AYLCH	LINK CHAIN	5
9	BOERV	Electromatic Relief Valves	1500
10	BOVSV	Safety Valves	50
11	BROFE	Special Bearings for OFE	31
12	CFC12A	High Alloy Steel Castings (9 Chrome - 1 Moly) Material Specification: SA/ASTM A217 C12A Applicable Technical Delivery Condition: TDC 0 412 REV20	1692
13	CFCOF	Oil Field Equipments Material Specification: A487 CA6NM, A487 4Q (M), AISI 8620 & SA/ASTM A216WCB/WCC Applicable Technical Delivery Condition: TDC : 0 : 411 REV07, TDC : 0 : 412 REV 20 & TDC : 0 : 409 REV 07	1578
14	CFCQN	Carbon Steel & Alloy Steel Castings Material Specification: SA/ASTM A216 WCB/WCC SA/ASTM A217 WC6/WC9 Applicable Technical Delivery Condition: TDC 0 412 REV20	721
15	CFDFO		700
16	CFDFO	Closed Die forgings for Oil field equipments. Mat spec : AISI 4130/4140, AISI 410, AISI 1040	700
17	CFIVV	Investment Castings Material Specifications: Stellite - 6, Stellite - 12, A743-CA6NM, A743 CA40, A217 CA15, A351 CF8M, A351 CF8, A297 GR HH & A 351 CH 20 Applicable Technical Delivery Conditions: TDC : 0 : 413 REV 01, TDC : 0 : 416 REV 01 & TDC : 0: 412 REV 20	139
18	CFNBV	Nickel Based Castings Material Specifications: SNIK, MONEL-505,& B584-978 Applicable Technical Delivery Condition: TDC : 0 : 413 REV 01	339
19	CFNFV	Non - Ferrous Items Material Specification: IS305 Gr AB1 IS 318-LTB2 Applicable Technical Delivery Condition: TDC : 0 : 413 REV 01	141
20	CFOFE	Open forgings for Oil field equipments. Mat spec : AISI 4130/4140, AISI 410, AISI 1040, Inconel 718.	1600
21	CFOHP	IBR Attest Open forgings for High Pressure and Low Pressure Valves. Mat spec : SA182 F22, SA182 F91, SA105,	200
22	CFVCD	Closed Die forgings for conventional Valves. Mat spec : SA182 F22, SA182 F91, SA105, SA182 F316, SA182 F304, SA182 F92 , Inconel 718	750

VALVES

Sl.No.	Material Gr	Description	Annual Proc. Value (Rs. Lakhs)
23	CFVOD	Open forgings for conventional Valves. Mat spec : SA182 F22, SA182 F91, SA105, A182 F6A CL3, SA182 F316, SA182 F304, SA182 F92 , Inconel 718	1200
24	CFVSC	Carbon Steel & Alloy Steel Castings Material Specification: SA/ASTM A216 WCB/WCC (Carbon Steel) SA/ASTM A217 WC6/WC9 (Alloy Steel) Applicable Technical Delivery Condition: TDC 0 412 REV20	3773
25	CHSSB	Chain	400
26	CSRVL	Carbon Steel Bar stocks (Rounds)	108
27	FCHPL	Filters for HPLP	15
28	GBMSB	Power Pack & Travelling Carriage Assy	800
29	GBXVL	Bevel Gear Boxes	240
30	HEHPL	Accumulator and Accessories	18
31	LSBQN	Limit Switch Box Assembly	4
32	MTOFE	Body Hangers for OFE with premium threads	246
33	NAPVL	Graphoil Packings and Sealing rings	11
34	NSBTP	No Slip Drive Pulley & Belt	2
35	OTRVL	Spec SA182-F430 Bar stocks(Rounds)	180
36	PBNMP	Name Plates	39
37	PFQCN	Pre-formed Gaskets	6
38	PRGVL	Pressure Gauges	19
39	PSOFE	Packing Sets for Oil field Equipments	34
40	SBBSB	Sintered Bronze Bush	5
41	SBLMS	Limit Switch & Proximity Sensor	100
42	SIGVL	Soft Iron Gaskets	10
43	SLERV	ERV SOLENOID ASSEMBLY for 1538 VX or 1525 VX with 220V DC	25
44	SLFOF	Lock fittings for OFE	1
45	SLHPL	Solenoids for HPLP	7
46	SPRVL	Helical Springs with IBR Inspection with wire dia up to 70mm	165
47	SPTOF	Box & Bean Wrenches	1
48	SRF91	Spec SA182F91 & F91 Bar stocks(Rounds)	50
49	SRSRV	PISTON RINGS with Material AMS 5759 / Hayness 25 or equivalent with working pr.105 kg/sq cm	5
50	SRWLG	Spring Washers	10
51	SSDOF	Tungsten Carbide balls	16
52	SSDOF	Safety Head Rupture Disk assembly	16
53	SSDOF	Petol Tongs	16
54	SSDOF	Plastic Sticks	16
55	SSDOF	Ball & Seat ; Plunger Gauge	16
56	SSHHP	Spec X19CRMONBVN11-1 Bar stocks (Rounds)	78
57	SSRVL	Stainless steel Bar stocks (Rounds)	595
58	SSSHP	IBR Attest Stem forgings required for High Pressure and Low Pressure Valves. Mat Spec: X19CRMONBVN11-1	70
59	TEFVL	Teflon - O-rings, Seals etc.	1
60	VACMF	Accumulator Manifold	2
61	VALWAS	Washers	8
62	VDACT	Diaphragm Actuators	50
63	VHACT	Hydraulic Actuators and Accessories	87

VALVES

Sl.No.	Material Gr	Description	Annual Proc. Value (Rs. Lakhs)
64	VHYPU	Hydraulic Power Unit	15
65	VPROP	Proportional Valves	67
66	VTHDV	Throttle Devices	6
67	WCF03	SSFCAW WIRE E309LMoTO-1 DIA 1.6 MM	9
68	WCSVL	Retainer Rings	26
69	WCT01	H.A-25 GTAW DIA5.00MM	27
70	WCT02	ERCoCr-E DIA5.00MM	23
71	WCT03	COBALT BASE BARE ROD "ERCoCrA"	220
72	WCT04	COBALT BASE POWDER FOR PTAW	260
73	WCW04	SAW WIRE ER430 IN COIL FORM	2