

VENDOR LIST

REV. 8



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1.1- ROTARY EQUIPMENT

<u>1.1.1- PUMP</u>	<u>COMPANY NAME</u>	<u>ORIGIN</u>
<u>1.1.1.1- CENTRIFUGAL WATER PUMP</u>		
ARVIN TAJHIZ SEPAHAN		IRAN
ENERGY VA KAR ESFAHAN		IRAN
IRAN INDUSTRIAL PUMPS		IRAN
KALAYE PUMP		IRAN
KAVOSH SANAT TOOS		IRAN
NAVID SAHAND		IRAN
PUMP IRAN		IRAN
PUMP RIZAN		IRAN
PUMPHAYE BOZORG & TURBINE ABI (PETCO)		IRAN
ABS GROUP		SWEDEN
APOLLO		GERMANY
DACO		S.KOREA
DICKOW PUMPEN		GERMANY
DMW CORP.		JAPAN
EBARA		JAPAN
ENSIVAL / MORET GROUP		FRANCE / BELGIUM
FLOWSERVE CORPORATION		USA / W.EUROPE / CANADA
GARBARINO		ITALY
GRUPPO ATURIA		ITALY
HANDOL PUMP		SOUTH KOREA
ICHIKAWA		JAPAN
IST		GERMANY
K.S.B.		GERMANY
RUHR PUMPEN		GERMANY
SAFCO		AUSTRIA
STERLING PUMPS		AUSTRALIA
STORK		NETHERLANDS
SULZER		USA / W.EUROPE / CANADA
TORISHIMA PUMP		JAPAN
VOGEL		AUSTRIA
WEIR GROUP PLC (GABBIONETA)		UK / ITALY

1.1.1.2- CENTRIFUGAL API TYPE PUMP

ARVIN TAJHIZ SEPAHAN		IRAN
ENERGY VA KAR ESFAHAN		IRAN
IRAN INDUSTRIAL PUMPS		IRAN
KAVOSH SANAT TOOS		IRAN
NAVID SAHAND		IRAN
PUMP IRAN		IRAN
PUMPHAYE BOZORG & TURBINE ABI (PETCO)		IRAN
APOLLO		GERMANY
DACO		S.KOREA
DICKOW		GERMANY
DMW CORP.		JAPAN
EBARA		JAPAN
ENSIVAL MORET GROUP		FRANCE / BELGIUM
ENVIROTECH		NETHERLANDS
FINDER POMPE S.P.A.		ITALY
FLOWSERVE CORPORATION (WORTHINGTON, INGERSOL / DRESSER PUMP)		USA / W.EUROPE / CANADA
GRUPPO ATURIA		ITALY
HANDOL PUMP		SOUTH KOREA
HYOSUNG GOODSPRING *		SOUTH KOREA
K.S.B		GERMANY
mitsubishi heavy ind.ltd (MHI)		JAPAN
NIJHUIS		NETHERLANDS

COMPANY NAME	ORIGIN
OPTIMEX	FRANCE
ROODHART GROUP	NETHERLANDS
RUHR PUMPEN	GERMANY
SAFCO	AUSTRIA
SHIN NIPPON MACHINERY CO.LTD	JAPAN
STERLING PUMPS	AUSTRALIA
STORK	NETHERLANDS
SULZER	USA / W.EUROPE / CANADA
SUNDSTRAND INTERNATIONAL S.A.	FRANCE
TORISHIMA PUMP	JAPAN
VOGEL	AUSTRIA
WEIR GROUP PLC (GABBIONETA)	UK / ITALY

1.1.1.3- SLURRY PUMP

EGGER	SWITZERLAND
WEIR GROUP PLC	W.EUROPE

1.1.1.4- VERTICAL PUMP

1.1.1.4.1- VERTICAL WATER PUMP

ARVIN TAJHIZ SEPAHAN	IRAN
ENERGY VA KAR ESFAHAN	IRAN
IRAN INDUSTRIAL PUMPS	IRAN
KAVOSH SANAT TOOS	IRAN
PUMPHAYE BOZORG & TURBINE ABI (PETCO)	IRAN
PUMP IRAN	IRAN
PUMP PARS	IRAN
ALSTOM	FRANCE
APOLLO	GERMANY
DACO	S.KOREA
DICKOW	GERMANY
DMW CORP.	JAPAN
EBARA	JAPAN
ENSIVAL MORET GROUP	FRANCE / BELGIUM
FLOWERVE CORPORATION	USA / W.EUROPE / CANADA
GRUPPO ATURIA	ITALY
HANDOL PUMP	SOUTH KOREA
HITACHI	JAPAN
K.S.B	GERMANY
NIJHUIS	NETHERLANDS
NIKKISO (SUNDYNE)	JAPAN
RUHR PUMPEN	GERMANY
SAFCO	AUSTRIA
SHIN NIPPON MACHINERY CO.LTD	JAPAN
SPP	UK
STERLING PUMPS	AUSTRALIA
STORK	NETHERLANDS
SULZER	USA / W.EUROPE / CANADA
TORISHIMA PUMP	JAPAN
VOGEL	AUSTRIA
WEIR GROUP PLC (GABBIONETA)	UK / ITALY

COMPANY NAME	ORIGIN
1.1.1.4.2- VERTICAL API TYPE PUMP	
ARVIN TAJHIZ SEPAHAN	IRAN
ENERGY VA KAR ESFAHAN	IRAN
IRAN INDUSTRIAL PUMPS	IRAN
KAVOSH SANAT TOOS	IRAN
PUMPHAYE BOZORG & TURBINE ABI (PETCO)	IRAN
PUMP IRAN	IRAN
APOLLO	GERMANY
DACO	S.KOREA
DICKOW	GERMANY
DMW CORP.	JAPAN
EBARA	JAPAN
FLOWSERVE CORPORATION (WORTHINGTON, INGERSOL / DRESSER PUMP)	USA / W.EUROPE / CANADA
GRUPPO ATURIA	ITALY
HANDOL PUMP	SOUTH KOREA
K.S.B	GERMANY
MARUSHICHI	JAPAN
NIKKISO (SUNDYNE)	JAPAN
RUHR PUMPEN	GERMANY
SAFCO	AUSTRIA
SHIN NIPPON MACHINERY CO.LTD	JAPAN
STERLING PUMPS	AUSTRALIA
STORK	NETHERLANDS
SULZER	USA / W.EUROPE / CANADA
TOLID PUMPHAYE BOZORG & TURBINE ABI (PETCO)	IRAN
TORISHIMA PUMP	JAPAN
VOGEL	AUSTRIA
WEIR GROUP PLC (GABBIONETA)	UK / W.EUROPE

1.1.1.5- DOSING PUMP	
KONDOR SANAT PARTIAN	IRAN
MACHIN SAZI NEEV	IRAN
PUMP VIJEH (GESSCO)	IRAN (GERMANY)
BRAUN & LUEBBE	GERMANY / FRANCE
D.K.M CLEXTRAL	FRANCE
DOSAPRO MILTON ROY	FRANCE / UK / GERMANY
IST	GERMANY
LEWA	GERMANY
NIKKISO	JAPAN
O.M.GALLARATESI	ITALY
PERONIPOMPE	ITALY
PROMINENT	GERMANY
SEKO	ITALY
WEPUKO	GERMANY

1.1.1.6- CENTRIFUGAL HIGH SPEED PUMP (INTEGRAL GEAR)	
EBARA	JAPAN
FLOWSERVE CORPORATION	USA / W.EUROPE / CANADA
K.S.B	GERMANY
NIKKISO	JAPAN
ROODHART GROUP	NETHERLANDS
SAMGONG	SOUTH KOREA
STORK	NETHERLANDS
SUNDYNE / INTERPEC	FRANCE / W.EUROPE
WEIR GROUP PLC (GABBIONETA)	UK / W.EUROPE

<i>COMPANY NAME</i>	<i>ORIGIN</i>
1.1.1.7- SCREW PUMP	
ALLWEILLER AG	GERMANY
ALSTOM (SCAM IMO)	FRANCE
FLOWSERVE CORPORATION	USA / W.EUROPE / CANADA
KALAYE PUMP (ALBANY)	IRAN (UK)
KAWASAKI	JAPAN
MAAG PUMP SYSTEMS TEXTRON AG	SWITZERLAND
NETZSCH	GERMANY
PCM	FRANCE
PLENTY MIRLESS	UK
SEEPEX	GERMANY
SHIN NIPPON MACHINERY CO.LTD	JAPAN
STORK POMPEN	BELGIUM
1.1.1.8- GEAR PUMP	
FLOWSERVE CORPORATION	USA / W.EUROPE / CANADA
MAAG	SWITZERLAND
MICRO PUMP	USA / UK
OSAKA	JAPAN
1.1.1.9- CRYOGENIC SUBMERGED PUMP	
IRAN INDUSTRIAL PUMPS*	IRAN
EBARA INTERNATIONAL CORP.	JAPAN
FLOWSERVE CORPORATION	USA / W. EUROPE / CANADA
NIKKISO	JAPAN
OPTIMEX	FRANCE
STERLING FLUID SYSTEM	UK
WEPUKO	GERMANY
1.1.1.10- LIQUID RING VACUUM PUMP	
DE LAVAL INTERNATIONAL AE	SWEDEN
ENSIVAL	UK / FRANCE
FLOWSERVE CORPORATION	USA / W. EUROPE / CANADA
VACUUM PARS INDUSTRIES	IRAN
1.1.1.11- SEAL LESS PUMP	
DICKOW	GERMANY
EBARA FLUID HANDLING	JAPAN
ELMO	GERMANY
HIBON	FRANCE
KSB	GERMANY
LEDERLE-THERMETIC PUMPEN GMBH	NETHERLANDS
NIKKISO	JAPAN
OPTIMEX	FRANCE
SUNDYNE HMD	UK
1.1.1.12- MONO PUMP	
MONO PUMP BOHLOOL	IRAN

1.1.2- COMPRESSOR

COMPANY NAME	ORIGIN
1.1.2.1- CENTRIFUGAL / AXIAL COMPRESSOR	
OIL TURBO COMPRESSOR (OTC)	IRAN
ATLAS-COPCO	GERMANY
BAUER COMPRESSOREN	GERMANY
BOLDROCCHI	ITALY
DRESSER RAND	FRANCE
ELLIOT / EBARA	JAPAN
HITACHI	JAPAN
INGERSOL RAND	GERMANY
KAWASAKI HEAVY INDUSTRY	JAPAN
KOBELCO	JAPAN
MAN DIESEL & TURBO SE	GERMANY
mitsubishi heavy industries	JAPAN
SIEMENS	GERMANY / NETHERLANDS

1.1.2.2- RECIPROCATING COMPRESSOR	
ABC	SPAIN
BURCHARDT	SWITZERLAND
BURTON CORBLIN	FRANCE
GTC	S.KOREA
HITACHI	JAPAN
INGERSOL RAND	GERMANY
JSW (JAPAN STEEL WORK)	JAPAN
KOBELCO	JAPAN
KOHLER & HORTER (KOHO)	GERMANY
KWANGSHIN / HAVAYAR	S.KOREA / IRAN
MAN DIESEL & TURBO SE	GERMANY
NEUMAN & ESSER	GERMANY
SIAD MACCHINE IMPIANTI	ITALY
SIEMENS	GERMANY
THOMASSEN	NETHERLANDS

1.1.2.3- SCREW COMPRESSOR	
ADICOMP	ITALY
ALSTOM (GEC-ALSTOM)	FRANCE
ATLAS COPCO	GERMANY / SWITZERLAND
COMP AIR	UK
DRESSER-RAND	FRANCE / W. EUROPE
FIMA	GERMANY
GHH	GERMANY
KOBELCO	JAPAN
MAN DIESEL & TURBO SE	GERMANY
MYCOM	JAPAN

COMPANY NAME	ORIGIN
1.1.2.4- LIQUID RING TYPE COMPRESSOR	
PARS VACUUM	IRAN
HIBON	FRANCE
ELMO	GERMANY
SHIN NIPPON MACHINERY CO.LTD	JAPAN

1.1.2.5- LOBE COMPRESSOR	
HIBON	FRANCE
REIMELT	GERMANY

1.1.3- TURBINE

1.1.3.1- STEAM TURBINE	
HANEEF AEEN *	IRAN
NASB NIROYE IRAN	IRAN
TUGA (MAPNA GROUP)	IRAN
DRESSER RAND	ITALY / FRANCE
ELLIOT / EBARA CORPORATION	UK/JAPAN
FRANCO TOSSI	ITALY
HITACHI	JAPAN
K.K & K	GERMANY
MAN DIESEL & TURBO SE	GERMANY
mitsubishi heavy industries	JAPAN
SHIN NIPPON MACHINERY CO.LTD	JAPAN
SHINIKO	JAPAN
SIEMENS	GERMANY
TGM KANIS	BRAZIL

* UP TO 2 MW

1.1.3.2- GAS COMBUSTION TURBINE	
OIL TURBO COMPRESSOR (OTC)	IRAN
TUGA (MAPNA GROUP)	IRAN
ABB-ALSTOM (SULZER TURBO / ESCHER WYSS)	GERMANY / FRANCE
HITACHI	JAPAN
KAWASAKI HEAVY INDUSTRY	JAPAN
MAN DIESEL & TURBO SE	GERMANY / SWITZERLAND
mitsubishi heavy industries	JAPAN
ROLLS ROYCE ALLISON	UK
SIEMENS-WESTINGHOUSE	GERMANY

1.1.3.3- TURBO EXPANDER	
AIR LIQUIDE	FRANCE
ATLAS COPCO GAS & PROCESS DIVISION	SWEDEN / GERMANY
CRYOSTAR	FRANCE
ELLIOT / EBARA	UK / JAPAN
MAFI-TRENCH	UK
MAN DIESEL & TURBO SE	GERMANY / SWITZERLAND

COMPANY NAME	ORIGIN
1.1.4- MIXER & AGITATOR	
ANTICO	ITALY
EKATO	GERMANY
LIGHTNIN MIXER	UK
NIPPON GEAR CO. LTD.	JAPAN
PLENTY	UK
R.V.T.	GERMANY
ROBBIN	FRANCE
1.1.5- MECHANICAL SEAL	
BURGMANN PARS	IRAN / GERMANY
ENERGY VA KAR ESFAHAN	IRAN
FARAZ ENERGY ASIA	IRAN
IRAN INDUSTRIAL PUMPS (For water pumps only)*	IRAN
JARF SANATE KHAVAREMIANEH	IRAN
KAVAND POOYA SAKHT / JOHN CRANE	IRAN / UK
NAHADIN ARMAN	IRAN
PILARY GOSTAR / FLOWSERVE	IRAN / GERMANY
RAYMON SORIN	IRAN
TURBO SEAL	IRAN
CHETRA	GERMANY
EAGLE	JAPAN
FLUITEN	ITALY
NIPPON PILLAR	JAPAN
1.1.6- FAN & BLOWER	
HAVA SYSTEM IRAN	IRAN
MACHIN SAZI MANGAN (ONLY FAN)	IRAN
SANAYE VACUUM PARS / ROBUSHI	IRAN / ITALY
AERZENER	GERMANY
BOLDROCHI	ITALY
CBI FAN ENGINEERING	ITALY
FIMA	GERMANY
GRUBER *	SPAIN
HIBON	FRANCE
HOWDEN	UK / FRANCE
KOBE STEEL	JAPAN
MAN DIESEL & TURBO SE	GERMANY
ROBUSCHI & C S.P.A.	ITALY
SIEMENS	GERMANY
STORK	NETHERLANDS
STRANICH	ITALY
1.1.7- GEAR UNIT	
BHS CINCINNATI GETRIEBEOTECHNIK	GERMANY
FELENDER	GERMANY
HANSEN	BELGIUM
LUFKIN	FRANCE
MAAG	SWITZERLAND
NIPPON GEAR	JAPAN
RENK TACKE GMBH	GERMANY
1.1.8- EXTRUDER	
COPERION (WERNER)	GERMANY
JSW	JAPAN
KOBELCO	JAPAN

COMPANY NAME	ORIGIN
1.1.9- COUPLING	
1.1.9.1- MECHANICAL COUPLING	
TAVAN MEHVAR AZIN SANAT	IRAN
KTR	GERMANY
1.1.9.2- HYDROCOUPLING	
KTR	GERMANY
TRANSFLUID	ITALY
1.2- FIXED EQUIPMENT	
1.2.1- DRUM & COLUMN	
ABAN AIR COOLER	IRAN
ALBORZ NOVIN SHIRAZ	IRAN
ARTASH	IRAN
ASAS SANAT PARS	IRAN
ASGOON FELEZ SEPAHAN	IRAN
AZAR AB	IRAN
DISAL	IRAN
FANAVARI NOVIN NIROO	IRAN
FATEH SANAT KIMIA	IRAN
FOULAD PAYA	IRAN
GARMA GOSTAR	IRAN
GHATAT VA MACHINALAT SANAYE PETROCHIMI (TOOS)	IRAN
JAHANKAR ESFAHAN	IRAN
KASRAVAND	IRAN
KAVEH MOBADDEL	IRAN
KOUSHA ENERGY TABARESTAN	IRAN
MACHIN DAROU	IRAN
MACHIN SAZI ARAK	IRAN
MACHIN SAZI ESFAHAN	IRAN
MAHDIN	IRAN
MASNOUAT FELEZI SANGIN	IRAN
MERAT POULAD	IRAN
MOHANDESI VA SAKHTEMAN TIV ENERGY	IRAN
NEYRPERSE	IRAN
PARGASIRAN	IRAN
PARS TECHNIC	IRAN
PAYSAZ	IRAN
PETRO AVAN	IRAN
PETRO GAZ NAMDARAN	IRAN
PETRO SAKHT CHEHELSETOUN	IRAN
POOLAD SAZAN FARAYAND	IRAN
POULADVARZAN KIMIA*	IRAN
REACTOR SAZ	IRAN
SANATI AHANSAI	IRAN
SANAYE PARSIAN SAZEH SEPAHAN	IRAN
SIMAN SAZAN	IRAN
SUPERACTIVE	IRAN
SYSTEMHAYE SANATI TAKESTAN	IRAN
TABADOL GOSTAR BOURAN	IRAN
TAGHTIRAN	IRAN
TAJHIZ FARAYAND ABANGAN	IRAN
TASHA	IRAN
TOLID TAJHIZAT SANGIN (HEPCO)	IRAN
TOSEAE NIROO	IRAN
ADM	FRANCE
B.S.L. INDUSTRIES	FRANCE
BELLELI ENERGY CPE SPA	ITALY
CITAL	ITALY
C.M.P	FRANCE
COEK ENGINEERING	BELGIUM
DELATTRE BEZONS	FRANCE
DELAUNAY	FRANCE
FBM HUDSON ITALIANA S.P.A.	ITALY
G & G GELDOF	BELGIUM

COMPANY NAME	ORIGIN
GARDINAL	BELGIUM
HANS LEFFER	GERMANY
HITACHI KASADO JYUKOGYOCC	JAPAN
HYOSUNG	SOUTH KOREA
LODEWIJCK	BELGIUM
OFFICINE LUGI RESTA	ITALY
O.C.S	ITALY
OLMI	ITALY
ROLLE	ITALY
SIMIC	ITALY
SNIG	FRANCE
WALTER TOSTO	ITALY

1.2.2- H.P. STEAM DRUM

ASAS SANAT PARS	IRAN
FARAYAND BOKHAR	IRAN
KASRAVAND	IRAN
PETRO GAZ NAMDARAN	IRAN
TABADOL GOSTAR BOURAN	IRAN
TOSEAE NIROO	IRAN
BELLELI ENERGY CPE SPA	ITALY
BORSIG GMBH	GERMANY
DEUTSCHE BABCOCK-BALCKE & DURRE AG	JAPAN / GERMANY
FBM HUDSON ITALIANA S.P.A.	ITALY
FOSTER WHEELER ENERGY	UK
HITACHI KASADO	JAPAN
HITACHI ZOSEN	JAPAN
INNOWELD	AUSTRIA
KAWASAKI HEAVY INDUSTRIES	JAPAN
OFFICINE LUGI RESTA S.P.A.	ITALY
MANGIAROTTI S.P.A.	ITALY
MITSUBISHI HEAVY INDUSTRIES	JAPAN
OLMI	ITALY
ROLLE	ITALY
STEINMULLER GMBH	GERMANY

1.2.3- ATMOSPHERIC STORAGE TANK

ALBORZ NOVIN SHIRAZ	IRAN
ARKAN SANAT PAYDAR	IRAN
ASAS SANAT PARS	IRAN
AZAR AB	IRAN
FOULAD PAYA	IRAN
GHATAT VA MACHINALAT SANAYE PETROCHIMI (TOOS)	IRAN
HILAVIS ARINA	IRAN
KAVEH MOBADEL	IRAN
KOOSHA ENERGY TABARESTAN	IRAN
MACHIN SAZI ARAK	IRAN
MACHIN SAZI ESFAHAN	IRAN
MACHIN SAZI PARS	IRAN
MAHDIN	IRAN
MASNOUAT FELEZI SANGIN	IRAN
MERAT POULAD	IRAN
NEYRPERSE	IRAN
PANAH SAZ IRAN	IRAN
PARGASIRAN	IRAN
PAYSAZ	IRAN
PETRO AVAN	IRAN

COMPANY NAME	ORIGIN
PETRO ENERGY KHALIJE FARS	IRAN
POULAD SAZAN FARAYAND	IRAN
POULAD VARZAN KIMIA*	IRAN
REACTOR SAZ	IRAN
MOHANDESI VA SAKHTEMAN TIV ENERGY	IRAN
SANATI AHANSAI	IRAN
PARAG SAZEH & PAARAAG INDUSTRIAL GROUP	IRAN
SANAYE PARSIAN SAZEH SEPAHAN	IRAN
SIMAN SAZAN	IRAN
SUPERACTIVE	IRAN
TABADOL GOSTAR BOURAN	IRAN
TASHA	IRAN
TOLID TAJHIZAT SANGIN (HEPCO)	IRAN
ZAGROS NASB SEPAHAN	IRAN
CITAL	ITALY
STEINER GROUP	GERMANY
S-TANK	SOUTH KOREA

1.2.4- SPHERICAL TANK

ASAS SANAT PARS	IRAN
MACHIN SAZI ARAK	IRAN
MASNOUAT FELEZI SANGIN	IRAN
PETRO SAZEH BEINOLMELAL ARAM (IPS)	IRAN
POLAD SAZAN FARAYAND	IRAN
SANAYE PARSIAN SAZEH SEPAHAN	IRAN
BELLELI ENERGY CPE SPA	ITALY
CMP ALIES	FRANCE
G & G GELDOLF	BELGIUM
MARALDI	ITALY
O.C.S	ITALY
STEINER GROUP	GERMANY
S-TANK	SOUTH KOREA
T.K.K.	JAPAN
WHESSOE	UK

1.2.5- CRYOGENIC TANK

HAMPA ENERGY ENGINEERING & DESIGN CO. (HEDCO)	IRAN
CHIGAGO BRIDGE	UK
DAEWOONG/HATCO	KOREA/IRAN
FOSTER WHEELER ENERGY	UK
KAWASAKI HEAVY INDUSTRIES	JAPAN
MARALDI	ITALY
MITSUBISHI HEAVY INDUSTRIES	JAPAN
MOTHERWELL BRIDGE	UK
S-TANK	SOUTH KOREA
STEINER GROUP	GERMANY
TASHA / MARALDI	IRAN / ITALY
T.K.K	JAPAN
WHESSOE	UK

1.2.6- SILO / HOPPER

ASAS SANAT PARS	IRAN
MACHIN SAZI ESFAHAN	IRAN
MOPHID SEPAHAN	IRAN
CITAL	ITALY
ELLIMETAL NV	BELGIUM
JANSENS & DIEPERINK B.V.	NETHERLANDS

1.2.7- HEAT EXCHANGER

1.2.7.1- SHELL & TUBE HEAT EXCHANGER

ABAN AIR COOLER	IRAN
ALBORZ NOVIN SHIRAZ	IRAN
ASAS SANAT PARS	IRAN
AZARAB	IRAN
DISAL	IRAN
FATEH SANAT KIMIA	IRAN
FOULAD PAYA	IRAN
GARMA GOSTAR	IRAN
GHATAT VA MACHINALAT SANAYE PETROCHIMI (TOOS)	IRAN

COMPANY NAME	ORIGIN
HILAVIS ARINA	IRAN
KASRAVAND	IRAN
KAVEH MOBADDEL	IRAN
KIANA PETRO ENERGY	IRAN
MACHIN DAROU	IRAN
MACHIN SAZI ARAK	IRAN
MACHIN SAZI ESFAHAN	IRAN
MAHDIN	IRAN
MASNOUAT FELEZI SANGIN	IRAN
PARGASIRAN	IRAN
PETRO GAZ NAMDARAN	IRAN
PETRO SAKHT CHEHELSETOUN	IRAN
POULAD VARZAN KIMIA*	IRAN
ROOYAN TAJHIZ JAM	IRAN
SANAYE HARARATI IRAN	IRAN
PARAG SAZEH & PAARAAG INDUSTRIAL GROUP	IRAN
SHEGEFT AFZAR	IRAN
SUPER ACTIVE	IRAN
TABADOL GOSTAR BOURAN	IRAN
TASHA	IRAN
TEHRAN MOBADEL	IRAN
TOSEAE NIROO	IRAN
AEL	GERMANY
BELLELI ENERGY CPE SPA	ITALY
BOLDROCCHI ECO LOGIA S.R.L.	ITALY
BORSIG GMBH	GERMANY
CITAL	ITALY
COEK ENGINEERING	BELGIUM
DELAUNAY	FRANCE
F.B.M HUDSON	ITALY
FOURE LAGADEC	FRANCE
G & G INTERNATIONAL NV	BELGIUM
G.E.A WIEGAND	GERMANY
GARGANO	ITALY
HANS LEFFER	GERMANY
HITACHI	JAPAN
LODEWIJCK	BELGIUM
OFFICINE LUIGI RESTA S.P.A.	ITALY
MANGIAROTTI S.P.A.	ITALY
MITSUBISHI HEAVY INDUSTRIES	JAPAN
OLMI	ITALY
OMSA	ITALY
PETOR CARBON DEVELOPMENT	UK
ROLLE S.P.A.	ITALY
SIMIC	ITALY
STRIKO	GERMANY
VRV	ITALY
WALTER TOSTO	ITALY

1.2.7.2- H.T. SHELL & TUBE HEAT EXCHANGER

HILAVIS ARINA	IRAN
AEL	GERMANY
BORSIG AG	GERMANY
COEK ENGINEERING	BELGIUM
DELAUNAY	FRANCE
FBM HUDSON ITALIANA S.P.A.	ITALY
FISHER LORRANIE	FRANCE
FOURE LAGADEC	FRANCE
HITACHI ZOSEN	JAPAN

COMPANY NAME	ORIGIN
KOBE STEEL	JAPAN
LODEWIJCK	BELGIUM
OFFICINE LUGI RESTA S.P.A.	ITALY
MANGIAROTTI S.P.A.	ITALY
OLMI	ITALY
RIBATTI	FRANCE
SCHMIDTSCH HISSDAMPF GMBH	GERMANY
STEINMULLER GMBH	GERMANY / SPAIN

1.2.7.3- PLATE HEAT EXCHANGER

COOL SUMMER	IRAN
KAVEH MOBADEL	IRAN
TAHA GHALEB TOOS	IRAN
ALFA LAVAL S.P.A.	ITALY / JAPAN
APV	UK
DHP	SOUTH KOREA
GEA WIEGAND	GERMANY
KOCH	ITALY
LINDE AG	GERMANY
NEXON GROUP SAS	FRANCE
NI SAKA SEISAKUSHO	JAPAN
NORTON GMBH	GERMANY
S.R.D	GERMANY
SECATHEN (FOR WELDED PLATE)	FRANCE
STRIKO	GERMANY
SUMITOMO PRECISION PRODUCTS (SPP)	JAPAN
SONDEX	DENMARK
VICARB BENELUX	ITALY / BELGIUM

1.2.7.4- DOUBLE PIPE HEAT EXCHANGER

ALBORZ NOVIN SHIRAZ	IRAN
AZARAB	IRAN
DISAL	IRAN
HILAVIS ARINA	IRAN
MACHIN SAZI ARAK	IRAN
MACHIN SAZI ESFAHAN	IRAN
AEL	GERMANY
ASET	FRANCE
BROWN FINTUBE (KOCH)	FRANCE
GARGANO	ITALY
GRANDE MECCANICA	ITALY
SHEGEFT AFZAR	IRAN
SIIRTEC	ITALY
SUITOMO HEAVY IND.	JAPAN

1.2.7.5- AIR COOLED EXCHANGER

ABAN AIR COOLER	IRAN
ALBORZ NOVIN SHIRAZ	IRAN
ASAS SANAT PARS	IRAN
DAMAFIN	IRAN
FATEH SANAT KIMIYA	IRAN
HILAVIS ARINA	IRAN
KAVEH MOBADDEL	IRAN
KIANA PETRO ENERGY	IRAN
MACHIN SAZI ARAK	IRAN
MACHIN SAZI ESFAHAN	IRAN
POULAD VARZAN KIMIA*	IRAN
PARAG SAZEH & PAARAAG INDUSTRIAL GROUP	IRAN
SHEGEFT AFZAR	IRAN
TABADOL GOSTAR BOURAN	IRAN
AEL	GERMANY
TASHA	IRAN
BALCKE & DURRE	GERMANY

COMPANY NAME	ORIGIN
BOLDROCCHI SRL	ITALY
BTT / GEA	FRANCE / GERMANY / ITALY
F.B.M HUDSON	ITALY
GEA LUFTKERHLER	GERMANY
GRAHAM	UK
HAMON INDUSTRIES THERMIQUE	BELGIUM
KAWASAKI HEAVY INDUSTRIES	JAPAN
NEXON GROUP SAS	FRANCE
OLMI	ITALY

1.2.7.6- SPIRAL HEAT EXCHANGER

LINDE AG	GERMANY
NEXON GROUP SAS	FRANCE

1.2.8- EJECTOR

FAN NIROU	IRAN
FARAZARAB	IRAN
KARA TAHVIEH / KARA SANAT TADBIR PAYA	IRAN
KIANA PETRO ENERGY	IRAN
PETRO GAZ NAMDARAN	IRAN
ANA GMBH	GERMANY
BERTIN TECHNOLOGIES SA	FRANCE
BOC EDWARDS	UK
BUSCH	UK
DELAS / WEIR	FRANCE
DEN HOLDER	NETHERLANDS
EQUIREPSA *	SPAIN
FACET	FRANCE
FLO - DYNE	UK
JAPAN EJECTOR ENGINEERING	JAPAN
NOVATEC	FRANCE
GEA JET PUMP	GERMANY
GEA WIEGAND	GERMANY
GEVEKE	THE NETHERLANDS
GRAHAM	UK
HICK HARGREAVES	UK
KIEKENS	NETHERLANDS
KORTING	GERMANY
OSAKA VACUUM	JAPAN

1.2.9- REACTOR

ASAS SANAT PARS	IRAN
AZARAB	IRAN
DISAL	IRAN
KAVEH MOBADEL	IRAN
KIANA PETRO ENERGY	IRAN
MACHIN SAZI ARAK	IRAN
MACHIN SAZI ESFAHAN	IRAN
MAHDIN	IRAN
MASNOUAT FELEZI SANGIN	IRAN
PARGASIRAN	IRAN

COMPANY NAME	ORIGIN
PAYSAZ	IRAN
POULAD SAZAN FARAYAND	IRAN
POULAD VARZAN KIMIA *	IRAN
REACTORSAZ	IRAN
BELLELI ENERGY CPE SPA	ITALY
C.M.P	FRANCE
CITAL	ITALY
CIVIDAC	ITALY
COEK ENGINEERING	BELGIUM
DWE	GERMANY
FBM. HUDSON	ITALY
FELGUERA CALDERERA *	SPAIN
G & G GELDOF	BELGIUM
GRANDE MECCANICA	ITALY
HANS LEFFER	GERMANY
HITACHI ZOSEN	JAPAN
HYOSUNG	SOUTH KOREA
INNOWELD	AUSTRIA
KOBE STEEL	JAPAN
OFFICINE LUIGI RESTA S.P.A.	ITALY
MANGIAROTTI S.P.A.	ITALY
MITSUBISHI NAGASAKI MACHINE	JAPAN
MUNCH	FRANCE
ROLLE	ITALY
S.B.N	AUSTRIA
SIMIC	ITALY
UBE INDUSTRIES LTD	JAPAN
V.R.V	ITALY
ZANON	ITALY

1.2.10- INTERNAL PARTS

1.2.10.1- TRAY

AZAR ENERGY	IRAN
DAMAVAND FELEZ / MONTZ	IRAN / GERMANY
EURO SLOT PARS	IRAN
FOULAD PRESS	IRAN
PARGASIRAN	IRAN
PETROHAM PROCESS	IRAN
SANAYE PENTANE CHEMI	IRAN
BARETTI	ITALY
BAYER	GERMANY
CECA	FRANCE
COSTA CURTA	ITALY
ETA	UK
EURO SLOT	FRANCE
HMT	SOUTH KOREA
KOCH-GLITSCH S.P.A	ITALY / FRANCE
MTE	NETHERLANDS
NORTON GMBH	GERMANY
SULZER CHEMTECH / METAWA	SWITZERLAND / W.EUROPE

COMPANY NAME	ORIGIN
1.2.10.2- CYCLONE	
ASAS SANAT PARS	IRAN
EURO SLOT PARS	IRAN
PARGASIRAN	IRAN
ALPINE	GERMANY
CITAL	ITALY
EMTROL	UK
LUFTECHNIK	GERMANY
VAN TONGEREN	UK

1.2.10.3- SCRUBBER PACKAGE / FLUE GAS FILTER	
EURO SLOT PARS	IRAN
HAVA SYSTEM IRAN	IRAN
KAVEH MOBADEL	IRAN
PARGASIRAN	IRAN
ABB FLAXT	FRANCE / GERMANY
AIR CURE INC	GERMANY
BEKAERT ADVANCED	BELGIUM
JOHNSON FILTRATION SYSTEM	FRANCE
LAB SA	FRANCE
SERVITHEN	FRANCE
SOCREMATIC	FRANCE

1.2.11- FIRED HEATER	
CHAMAN	IRAN
FARAYAND BOKHAR	IRAN
HEDCO	IRAN
IRCAST / SCHAWENBERG	IRAN / GERMANY
KIMIAGARAN SANAT PARS	IRAN
MASNOUATE FELEZI SANGIN	IRAN
ABB LUMMUS	NETHERLANDS
BIH	UK
BABCOCK WANSON	UK
FOSTER WHEELER	FRANCE
HEURTEY PETROCHEN	FRANCE
IHI	JAPAN
ITT SPA	ITALY
K.T.I	ITALY
KIRCHNER	ITALY
KOBE STEEL	JAPAN
NOVARGI	SPAIN
SELAS LINDE	GERMANY

1.2.12- AIR PREHEATER / START UP HEATER	
MASNOUATE FELEZI SANGIN	IRAN
AIR OIL FLARE GAS SA	UK
AST(BERTRAMS)	SWITZERLAND
BALKE DURRE	GERMANY
EET	FRANCE
GEA LUFTKUEHLER GMBH	GERMANY
HEURTEY PETROCHEN	BELGIUM / FRANCE
HITACHI ZOSEN	JAPAN
ITT SPA	ITALY
S.C.R.D.	SWITZERLAND

<i>COMPANY NAME</i>	<i>ORIGIN</i>
1.2.13- SILENCER	
AZAR AB	IRAN
EURO SLOT PARS	IRAN
FAN AZMAYAN POYANDEH	IRAN
FARAYAND BOKHAR	IRAN
KAVEH MOBADDEL	IRAN
KARA TAHVIEH / KARA SANAT TADBIR PAYA	IRAN
MACHIN SAZI ARAK	IRAN
MACHIN SAZI ESFAHAN	IRAN
SHAYAN TARH	IRAN
SUPER ACTIVE	IRAN
TASHA	IRAN
BOET	FRANCE
BURGESS MANNING	UK / FRANCE / GERMANY
FORAIN	ITALY
GERBER	GERMANY
MULLER BBM	GERMANY
QUIETFLO	NETHERLANDS
SAI	FRANCE
TIO	THE NETHERLANDS

1.2.14- STATIC MIXER	
ASAS SANAT PARS	IRAN
EURO SLOT PARS	IRAN
KOCH	ITALY
LIGHTING MIXER	UK
NIPPON GEAR CO.LTD	JAPAN
PITALUGA	FRANCE / ITALY
PLENTY	UK
PREMATECHNIK	GERMANY
PRIMIX	NETHERLANDS
SIDAC	FRANCE
STIBBE	THE NETHERLANDS
STRIKO	GERMANY
SULZER	SWITZERLAND
VEOLIA ENVIRONMENTAL SERVICES	UK
WELDER B.V	NETHERLANDS

1.2.15- DESUPERHEATER	
FARAYAND BOKHAR	IRAN
HEDCO	IRAN
KIANA PETRO ENERGY	IRAN
PETRO GAZ NAMDARAN	IRAN
BTG	SWEDEN
EMERSON	FRANCE / GERMANY
FAUDI	GERMANY
GEA LUFTKUEHER GMBH	GERMANY
GESTRA AG	GERMANY
GRAHAM	UK
KENT PROCESS CONT	UK
KEYSTONE	UK
KIEKENS	NETHERLANDS
SAMSON A.G	FRANCE / GERMANY
SIMIC	ITALY
WIEGAND	GERMANY

COMPANY NAME

ORIGIN

1.2.16- SEPARATOR & FILTER SYSTEM

COMPANY NAME	ORIGIN
CHAMAN	IRAN
DEYLAMAN FILTER	IRAN
EURO SLOT PARS	IRAN
KASRAVAND	IRAN
KIANA PETRO ENERGY	IRAN
KAVEH MOBADEL	IRAN
MASNOAT FELEZI SANGIN	IRAN
PARGASIRAN	IRAN
PARS REGULATOR	IRAN
PETROHAM PROCESS	IRAN
PETRO SAVIN SANAT	IRAN
SHAYAN TARH	IRAN
SYSTEMHAYE SANATI TAKESTAN	IRAN
TOSEAE NIROO	IRAN
ABB FLAXT	GERMANY/FRANCE
AIR CURE INC	GERMANY
ALFA LAVAL	ITALY
AMAFILTER SARL	FRANCE
ANDRITZ SEPARATION GMBLT	GERMANY
ASCO	ITALY
BEA FILTER	ITALY
BELLELI ENERGY CPE SPA	ITALY
BERGUM IMPIANTI	ITALY
BHS SONTHOFEN	GERMANY
CITAL	ITALY
DAHLMAN	NETHERLANDS
ECOMACCHINE	ITALY
ENSEPATEC	GERMANY
EUROFIL TEC	UK
EURO SLOT	FRANCE
FAUDI FILTER SYSTEMS GMBH	GERMANY
FILTERS S.R.L.	ITALY
FLUIDEL	ITALY
FORAIN	ITALY
FUJI FILTER	JAPAN
G.SARTORI	ITALY
INGE	GERMANY
JOHNSON FILTRATION SYSTEM	FRANCE
LAB SA	FRANCE
LFC LOCHEM B.V.	THE NETHERLANDS
PLENTY FILTER	UK
REPCO S.R.L.	ITALY
SAB	GERMANY
SERVITHEN	FRANCE
SIIRTEC NIGI	ITALY
SOCREMATIC	FRANCE
STEINER GROUP	GERMANY
WELDERS FILTRATION TECHNOLOGY	BELGIUM

1.2.17- CENTRICAL TUBE & OUTLET MANIFOLD

COMPANY NAME	ORIGIN
BORSIG GMBH	GERMANY
CENTROMENT WRAZA	BELGIUM
DANACASTER	UK
FOSTER WHEELER	FRANCE
HEURTEY PETROCHEM	FRANCE
HYOSUNG	SOUTH KOREA
IHI	JAPAN
KOBE STEEL	JAPAN
KTI	ITALY

COMPANY NAME	ORIGIN
KUBOTA	JAPAN
MANOIR INDUSTRIES	FRANCE
NEXON GROUP SAS	FRANCE
PARALLOY BIDDING CLEVELAND	UK
S&T EXCHANGER	ITALY
SCHMIDT & CLEMENS *	GERMANY / SPAIN
SEL AS KIRCHNER	GERMANY

1.2.18- CONVECTION COIL / RADIATION TUBE

BENTLER	GERMANY
CARNOY	BELGIUM
CORROTHERM	UK
DAIDO STEEL	JAPAN
DEUTSCHE BABCOCK + BALCKE & DURRE	GERMANY
KTI	BELGIUM
KUBOTA	JAPAN
LMI	ITALY
SCHMIDT & CLEMENS	GERMANY
SCOMARK ENGINEERING	UK
SIRZ	ITALY
STEINMULLER	GERMANY

1.2.19- BURNER

PARS MASHAL (SAKI)	IRAN (UK)
SANAYE SHAHID BAGHERI	IRAN
AIROIL GMBH	GERMANY
B.C.E srl	ITALY
C.I.B UNIGAS	ITALY
DURIKER COMBUSTION ENG. B.V.	NETHERLANDS
EUROPEM	BELGIUM
FIVES PILLARD	FRANCE
GRAHAM	UK
GREENS COMBUSTION	UK
HAMWORTHY	UK
ITAS	ITALY
JOHN ZINK GMBH	LUXEMBORG
PREMATECHNIK	GERMANY
SULZER ESHER WYE	SWITZERLAND

1.2.20- REFRACTORY

AMOL CARBORANDOM	IRAN
ARMAN AYE GH SEPAHAN	IRAN
CERAMIC TEHRAN	IRAN
CERAMICHAYE SANATI ARDAKAN	IRAN
DIRGODAZ AMOL	IRAN
FARANASOUZ YAZD	IRAN
FARAVARDEH NASOOZ AZAR ESFAHAN	IRAN
FARAVARDEH NASOOZ TABRIZ	IRAN
FARAVARDEHAYE KANI GHEIRE FELEZI	IRAN
FARAVARDEHAYE NASOOZ IRAN	IRAN
FARAVARDEHAYE NASOOZ NIROU	IRAN

COMPANY NAME	ORIGIN
GAHAR CERAM	IRAN
BECKMANN	GERMANY
CIRIA	ITALY
DIDIER WERKE	GERMANY
JUNER AND GRATHER	GERMANY
KARRENA	GERMANY
PLIBRICO	UK / NETHERLANDS
THERMAL CERAMICS	UK

1.2.21- DEAERATOR

ASAS SANAT PARS	IRAN
AZARAB	IRAN
FARAYAND BOKHAR	IRAN
GARMA GOSTAR	IRAN
KIANA PETRO ENERGY	IRAN
MACHIN SAZI ARAK	IRAN
MAPNA BOILER	IRAN
MASNOAT FELEZI SANGIN	IRAN
BABCOCK / HITACHI	JAPAN
STORK THERMEQ	NETHERLANDS

1.2.22- SCREEING SYSTEM

RHEWUM	GERMANY
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1.3- PIPING

1.3.1- PIPE

IRAN SPIRAL	IRAN
LOOLEH GOSTAR ESFARAYEN	IRAN
LOOLEH SAZI AHWAZ	IRAN
LOOLEH SAZI KHOOZESTAN	IRAN
LOOLEH SAZI MAHSHAHR	IRAN
LOOLEH SAZI SANIG JAM	IRAN
LOOLEH VA PROFILE SAVEH	IRAN
LOOLEH VA TAJHIZAT SADID	IRAN
NAVARO VA LOOLEH AHWAZ	IRAN
NAVARD VA LOOLEH SAFA	IRAN
NAVARD VA LOOLEH SEPAHAN	IRAN
NAVARD VA LOOLEH KOWSAR SPADANA (SPIRAL)	IRAN
ARCELORMITTAL STAABL HANDEL	NETHERLANDS / GERMANY
AVESTA SANDVIK TUBE AB	SWEDEN
BHDT GMBH	AUSTRIA
BOUTING	GERMANY
CHERO PIPING	ITALY
CORUS	UK
DUFERCO	BELGIUM / SWITZERLAND
ECONOSTO	NETHERLANDS
EEW (ERNDEBRÜCKER EISENWERK)	GERMANY
EURO PIPE	GERMANY
FORITEX	ITALY
INTERMETAL2000	UK
IPS	NETHERLANDS
KOBE STEEL	JAPAN
KURVERS	FRANCE / GERMANY
MANFERROSTAAL	BELGIUM / NETHERLANDS
ULMA *	SPAIN

COMPANY NAME	ORIGIN
MANNESMAN HANDEL	GERMANY
MARDALE	UK
MARUBENI	JAPAN
MERRYFIELD	UK
MID STEEL PIPELINE LIMITED	UK
NIPPON STEEL	JAPAN
NIRO-TECHNIK	GERMANY
PHOCEENNE	FRANCE / BELGIUM
PIPE LINE TUBE & CASING	UK
RACCORTUBI	ITALY
SANDVIK (Pipe & Tube)	SWEDEN
SCHULTZ	GERMANY
SIDECO	ITALY
STEEL TRADE	ITALY
SUMITOMO METAL	JAPAN
TENARIS (EUROTUBE)	UK
THYSSEN	GERMANY
TPS	GERMANY
VAN LEEUWEN BUIZEN	NETHERLANDS / BELGIUM

1.3.2- FITTING

FOOLAD ASA	IRAN
PARS REGULATOR	IRAN
STEEL ASA	IRAN
TOOS PEYVAND	IRAN
BASSI LUIGI	ITALY
CHERO PIPING	ITALY
CORUS	UK
DUGWOO	SOUTH KOREA
FAD	ITALY
FORITEX	ITALY
GELD BACH	GERMANY
I.M.L	ITALY
INTERMETAL2000	UK
KURVERS	FRANCE / GERMANY
MID STEEL PIPELINE LIMITED	UK
NIROTEC	
NIRO-TECHNIK	GERMANY
OMR	ITALY
PHOCEENNE	FRANCE / BELGIUM
PIPE LINE TUBE & CASING	UK
RACCORTUBI	ITALY
SANDVIK	SWEDEN
SCHULTZ	GERMANY
SCOMARK ENG.	UK
STEEL TRADE	ITALY
SUNG KWANG BEND	SOUTH KOREA
SUPERLOK *	SOUTH KOREA
TECTUBI RACCORDI	ITALY
TPS	GERMANY
VAN LEEUWEN BUIZEN	NETHERLANDS / BELGIUM
ULMA *	SPAIN

<u>1.3.3- FLANGE</u>	<u>COMPANY NAME</u>	<u>ORIGIN</u>
	GALPERTI IRAN	IRAN
	GHARB FLANGE	IRAN
	MACHIN SAZI ARAK	IRAN
	MARO SANAT	IRAN
	MOJTAMA SANATI ESFARAYEN	IRAN
	MOJTAMA SHAHABADI	IRAN
	PARS REGULATOR	IRAN
	PETRO KOUSHESH JAM	IRAN
	CORUS	UK
	DUGWOO	SOUTH KOREA
	EFIND	ITALY
	FAD	ITALY
	FERRARI	GERMANY
	FORITEX	ITALY
	GELD BACH	GERMANY
	I.M.L	ITALY
	INTERMETAL2000	UK
	KURVERS	FRANCE / GERMANY
	LOIRE	FRANCE
	MID STEEL PIPELINE LIMITED	UK
	NIROTEC	
	NIRO-TECHNIK	GERMANY
	OFFICINE SANTAFEDE	ITALY
	PHOCEENNE	FRANCE
	PILLAR TECH *	SOUTH KOREA *
	RACCORTUBI	ITALY
	STEEL TRADE	ITALY
	TECTUBI RACCORDI	ITALY
	ULMA *	SPAIN
	VAN LEEUWEN BUIZEN	NETHERLANDS

<u>1.3.4- BOLT & NUT</u>	<u>COMPANY NAME</u>	<u>ORIGIN</u>
	AZIN PICH	IRAN
	BASTARVAN	IRAN
	BEHIN FOULAD ATI GOSTAR	IRAN
	FALAT ENERGY JAM	IRAN
	FARASAZAN PICH GOSTARE PARS	IRAN
	IRAN PITCH	IRAN
	IRAN TOHID	IRAN
	KIAN PITCH	IRAN
	NIKAN TEK IRANIAN (IRAN TECHNIC)	IRAN
	PARS PITCH	IRAN
	PART SAZI MASHHAD	IRAN
	PETRONUT	IRAN
	PICH ETESAL PARS	IRAN
	PITCH MOHREH SAZANE SANATI	IRAN
	PITCH VA MOHREHAYE SANATI IRAN	IRAN
	POOLAD PEECH KAR	IRAN
	SAHAND POULAD	IRAN
	TADAROKATE SANATI SEPAHAN	IRAN
	OME	ITALY
	PHOCEENNE	FRANCE

<u>1.3.5- GASKET</u>	<u>COMPANY NAME</u>	<u>ORIGIN</u>
	BURGMANN PARS	IRAN
	ERTEASH GHOSTAR PAYMAN	IRAN
	GHATAT VA MACHINALAT SANAYE PETROCHIMI (TOOS)	IRAN
	ATBIN ISTA	IRAN
	KIAN VASHER SHARGH	IRAN
	KIMIA FARAVAR SANAT	IRAN
	KLINGIRAN	IRAN
	MEHRBODAN	IRAN
	PETRO IDEH KOUSHESH	IRAN
	SANAYE VASHER SAZI BEHTA	IRAN

COMPANY NAME	ORIGIN
ECONOSTO	W.EUROPE
FLEXITALIC	UK
FMA	ITALY
JAMES WALKER	UK
TC KLINGER	GERMANY
TECNO TREX	ITALY

1.3.6- STEAM TRAP

EYVAZ TECHNIC	IRAN
KAR AVARANE BOKHAR	IRAN
PARS REGULATOR	IRAN
SANAYE HAFTOME TIR ESFAHAN	IRAN
TALEH BOKHAR	IRAN
TAASISATE BOKHAR ESFAHAN	IRAN
ARI ARMATUREN	GERMANY
ARMSTRONG	UK
BEKO TECHNOLOGIES GMBH	GERMANY
DOUGLAS CHERO	ITALY
(FLOWSERVE CORPORATION)	BELGIUM / FRANCE
ECONOSTO	NETHERLANDS
GESTRA	GERMANY / FRANCE
JUCKER	ITALY
PLENTY	UK
SPIRAX SARCO	FRANCE
T.L.V (Trouble Less Valve)	JAPAN
YAMANTO KOUKI	JAPAN

1.3.7- STRAINER

AEVAZ TECHNIC	IRAN
DAMAVAND FELEZ	IRAN
EURO SLOT PARS	IRAN
KARAVARAN BOKHAR	IRAN
KOOSHA ENERGY TABARESTAN	IRAN
NAGHSH JAHAN PALAYEH	IRAN
PARS REGULATOR	IRAN
PERSIAN GPE.	IRAN
SANAYE HAFTOME TIR ESFAHAN	IRAN
YAZD FILTER	IRAN
ARI ARMATUREN	GERMANY
ARMSTRONG	UK
BEKO	GERMANY
EBUTECH	NETHERLANDS
INTERMETAL2000	UK
MATEC GROUP	ITALY
PLENTY	UK
SPIRAX SARCO	FRANCE
WOOSUNG FLOWTEC	SOUTH KOREA

<i>COMPANY NAME</i>	<i>ORIGIN</i>
1.3.8- <i>FLEXIBLE / EXPANSION JOINT</i>	
ENETAF SANE	IRAN
ERTEASH GOSTAR PEYMAN	IRAN
ERTEASHAT LASTIC IRAN	IRAN
ERTEASHAT SANATI IRAN	IRAN
FELEXOR PARS	IRAN
KAROOON SAR	IRAN
LASTIC SAHAND	IRAN
MEHRBODAN	IRAN
ELAFLEX	FRANCE / BELGIUM
FLEXIDER	ITALY
KEMPCHEM	GERMANY
MATEC GROUP	ITALY

1.3.9- *VALVE*

1.3.9.1- *MECHANICAL VALVES*

ASAL ARA	IRAN
GOROOH FAJR MARKAZI	IRAN
GOROOH SANATI GODAKHTAR	IRAN
GOROOH SAZANDEGAN SANAT ESPADANA (GSSE)	IRAN
MARO SANAT	IRAN
MIRAB	IRAN
NIKAN PETROTECH	IRAN
PARS PANGAN	IRAN
PARS REGULATOR	IRAN
PETRO SANAAT ENERGY	IRAN
POUYA SANAT SEPEHR ARMAN	IRAN
RASTA GROUP GHESHM	IRAN
SANAYE GOSTARESH SHIRSAZI	IRAN
SHIRHAYE SANATI ARDABIL	IRAN
SHIRHAYE MAKHROOTIE KHAVARMIANEH (PLUG ONLY)	IRAN
TAKVIN SANAT AFRA	IRAN
TARAHANE TAJHIZE PISHGAM	IRAN
TEHRAN SOFA	IRAN
TOLID TAJHIZAT SANGIN (HEPCO)	IRAN
ADAMS	GERMANY
ADVANCED TECHNOLOGY VALVE (ATV)	ITALY
ALCO VALVES LTD	UK
ANDERSON	FRANCE / GERMANY
APPARECCHI DI SICUREZZA EDI TENUTA S.P.A	ITALY
ARFLU S.A. *	SPAIN
ARI ARMATUREN	GERMANY
ATHENA VALVE	ITALY
BABCOCK *	SPAIN
BAC VALVE	SPAIN
BAF VALVES B.V	NETHERLANDS
BESTOBELL VALVES LTD	UK
BOEHMER	GERMANY
BONNEY FORGE	ITALY
BRAY VALVE & CONTROLS	GERMANY/UK
BURACCO	FRANCE
CAPITAL VALVE	UK
DANIEL INDUSTRIES	UK
DELLA FUGLI	ITALY
DELTA PACIFIC VALVE DPV	UK
DENNIS NAKAKITA	SPAIN
FLowsERVE CORPORATION	BELGIUM / GERMANY
DURIRON	CANADA
ECONOSTO	NETHERLANDS
EMERSON	NETHERLANDS
ERRESSE	ITALY
FASANI S.P.A.	ITALY
FEMA	ITALY
FLOW TECH	UK

COMPANY NAME	ORIGIN
GEMELS (BALL VALVE)	ITALY
GEMU	GERMANY
GESTRA	GERMANY / SPAIN
GOODWIN INTERNATIONAL	UK
GROVE DRESSER	ITALY
GUICHON VALVES (VALCO GROUP)	FRANCE
HS VALVE	SOUTH KOREA
IN LINE	UK
IPS	NETHERLANDS
KITZ CORPORATION	JAPAN
KURVERS	GERMANY / FRANCE
LAZARO ITUARTE INTERNATIONAL, S.A. *	SPAIN
MALBRANQUE (VALCO GROUP)	FRANCE
MULTI-VALVE TECHNOLOGY	UK
ORBIT	UK
PETRO VALVS	ITALY
PFEIFFER	GERMANY
PHOCEENNE	FRANCE / BELGIUM
PIBIVIESSE	ITALY
PIETRO FIORTINI	ITALY
PK VALVE	SOUTH KOREA
PROVALVE	GERMANY
RAIMONDI	ITALY
RBR VALVOLE SPA	ITALY
RINGO VALVULAS *	SPAIN
ROBERT CORT	UK
SAMJIN	SOUTH KOREA
SANDRERES	UK
SERCK AUDCO VALVE	UK
SHIPHAM VALVES	UK
SHIRAKAWA	JAPAN
SHUCTK	GERMANY
S&S VALVE	S.KOREA
STOCKHAM VALVE	UK
SUD ROBINETTERIE INDUSTRIES	FRANCE
SUPERLOK *	S.KOREA
TAI MILANO S.P.A.	ITALY
TECHNO FRANCE	FRANCE / ITALY
THYSSEN	GERMANY
UNICOM	S.KOREA
VALVITALIA *	ITALY
VALVOSIDER	ITALY
VELAN	GERMANY
VITAS	ITALY
WEIR VALVE & CONTROL	UK
WOOSUNG VALVE	SOUTH KOREA
YT	SOUTH KOREA
ZA. VE.RO.INDUSTRIAL VALVES	ITALY
1.3.9.2- SAFETY VALVES	
GOROOH SAZANDEGAN SANAT ESPADANA (GSSE)	IRAN
MIRAB	IRAN
PERSIAN GPE.	IRAN
ARI ARMATUREN	GERMANY
BURACCO	FRANCE
1.3.9.3- BALL VALVES	
BREMER	GERMANY
GOODWIN INTERNATIONAL	UK
PFEIFFER	GERMANY
S&S VALVE	S.KOREA
1.3.9.4- SPECIAL VALVES	
BREMER (CRYOGENIC VALVE)	GERMANY
BURACCO (CRYOGENIC VALVE)	FRANCE
S&S VALVE (CRYOGENIC VALVE)	S.KOREA
1.3.10- SPRING SUPPORT AND HANGER	
ARKAN SANAT PAYDAR	IRAN
NIROO TAVAN	IRAN
SAMANDEHAN NOW ANDISH	IRAN
BHP SYSTEMS DESIGN	USA / W. EUROPE
FELEXIDER	ITALY
LISEGA	GERMANY
PIPING TECHNOLOGY & PRODUCT	USA / W. EUROPE
UEC INDUSTRIES	UK
WALRABEN	GERMANY

COMPANY NAME

ORIGIN

1.4- PACKAGE UNIT

1.4.1- UTILITY PACKAGE

1.4.1.1- POWER GENERATION

ABB	GERMANY
ALSTOM	FRANCE
GE	W.EUROPE
HITACHI	JAPAN
KAWASAKI	JAPAN
ROLLS ROYCE ALLISON	UK
SIEMENS	GERMANY

1.4.1.2- BOILER (WATER/FIRE TUBE)

1.4.1.2.1- WATER TUBE BOILER

AZARAB	IRAN
BAMIN TECH	IRAN
FARAYAND BOKHAR	IRAN
GARMA GOSTAR	IRAN
KIANA PETRO ENERGY	IRAN
MAPNA BOILER	IRAN
OSVEH IRAN INDUSTRIAL GROUP	IRAN
BABCOCK / HITACHI	JAPAN
BALCKE DURR	GERMANY
DEUTSCHE BABCOCK AG	GERMANY
FOSTER WHELLER	UK / GERMANY
MACCHI S.P.A.	ITALY
O.C.S	ITALY
SIMIC	ITALY
STEINMULLER	GERMANY
WELCRON KANGWON	S.KOREA

1.4.1.2.2- FIRE TUBE BOILER

FARAYAND BOKHAR	IRAN
GARMA GOSTAR	IRAN
MACHIN SAZI ARAK	IRAN
O.C.S	ITALY
PAKMAN	IRAN
SIMIC	ITALY

1.4.1.3- HEAT RECOVERY STEAM GENERATION

AZARAB	IRAN
MAPNA BOILER	IRAN
MASHIN SAZI ARAK	IRAN
THERMO DESIGN INC.	CANADA
ALSTOM	FRANCE
FOSTER WHEELER	FRANCE
NC-CCT	ITALY
NECHNIK-KTI	ITALY
NEM BV	NETHERLANDS
UMAG TECHNOLOGIE GMBH	GERMANY
WELCRON KANGWON	S.KOREA

COMPANY NAME	ORIGIN
1.4.1.4- N2 / O2 UNIT	
HAVA ABZAR TEHRAN (HATCO)	IRAN
ADICOMP	ITALY
AIR LIQUIDE	FRANCE
AIR PACK	NETHERLAND
AIR PRODUCT	FRANCE
CRYOTEC AN LAGENBAU	GERMANY
HANWHA POWER SYSTEM	S.KOREA
INMATECH	GERMANY
K.M.E	ITALY
LINDE AG	GERMANY
MAHLER AGS	GERMANY
NIHON SANSO	JAPAN
POLARIS	ITALY
SIAD MACCHINE IMPIANTI	ITALY
1.4.1.5- COOLING TOWER	
ARYA BENIZ	IRAN
FARABARD	IRAN
LIROK	IRAN
TAVAN AFZAR	IRAN
BALCKE DURE / MARELLY	GERMANY / W.EUROPE
DONGHAE	SOUTH KOREA
ECODYNE	CANADA
GEA	GERMANY
HAMON INDUSTRIES THERMIQUE	BELGIUM
SPX COOLING TECHNOLOGIES	GERMANY
1.4.1.6- WASTE WATER TREATMENT	
ABNIC	IRAN
ABSUN ZOLAL	IRAN
ARON AB	IRAN
CHAMAN (MOHANDESI VA SAKHT)	IRAN
HAMOON RAH	IRAN
KASRAVAND	IRAN
KAVEH MOBADEL	IRAN
KHERAD ENERGY & ENVIRONMENT	IRAN
LUMAN SANAAT	IRAN
MACHINE SAZI VIJEH (MSV)	IRAN
NOVIEN ZOLAL	IRAN
PENDER	IRAN
PETROGAZ NAMDARAN	IRAN
VAHANG SARAN	IRAN
ZOLALE IRAN	IRAN
DEGREMONT/FARASSAN	FRANCE
ENVIROCHEMIE	GERMANY
IDRECO	ITALY
1.4.1.7- WATER TREATMENT	
ABSUN ZOLAL	IRAN
CHAMAN (MOHANDESI VA SAKHT)	IRAN
HAMOON RAH	IRAN
KASRAVAND	IRAN
LUMAN SANAAT	IRAN
MACHINE SAZI VIJEH (MSV)	IRAN
PENDER	IRAN
PETROGAZ NAMDARAN	IRAN
VAHANG SARAN	IRAN
SHAHRAB SHARGH TEHRAN	IRAN
ZOLAL IRAN	IRAN
CECA SA	FRANCE
DEGREMONT/FARASSAN	FRANCE
ENVIROCHEMIE	GERMANY
IDRECO	ITALY
METITO	UK
1.4.1.8- DESALINATION UNIT	
ABSUN ZOLAL	IRAN
FANAZARAB	IRAN
FAN NIRO	IRAN
KASRAVAND	IRAN
KAVEH MOBADEL	IRAN
PENDER	IRAN
PETROGAZ NAMDARAN	IRAN
VAHANG SARAN	IRAN
VA-THE-VAG	IRAN
ALFA LAVAL	ITALY
AXIOM	AUSTRIA
DEGREMONT	FRANCE
SIDEM	FRANCE

COMPANY NAME	ORIGIN
1.4.1.9- PLANT / INSTRUMENT AIR PACKAGE	
HAVA ABZAR TEHRAN (HATCO)	IRAN
HAVAKARAN SANAT	IRAN
HAVAYAR	IRAN
YEKTA TAHVIEH ARVAND	IRAN
AIR PACK	NETHERLAND
ATLAS COPCO	GERMANY/SWITZERLAND
BLUTEK	ITALY
HANWHA POWER SYSTEM	S.KOREA
INMATECH	GERMANY
KK & K	GERMANY
SIAD MACCHINE IMPIANTI	ITALY
1.4.1.10- INCINERATOR PACKAGE	
CHAMAN (MOHANDESI VA SAKHT)	IRAN
BLUTEK	ITALY
DEGREMONT	FRANCE
EUROPEM	BELGIUM
GBA	ITALY
IDRECO	ITALY
JOHN ZINK	UK
ITAS	ITALY
NOVARGI	SPAIN
1.4.1.11- EMERGENCY DIESEL GENERATION	
ARYA MACHINERY (CATERPILLAR)	IRAN
FARS DIESEL	IRAN
MAH NIROO	IRAN
MAN DIESEL & TURBO SE	GERMANY
mitsubishi heavy industries	JAPAN
MTU	GERMANY
MVM	GERMANY
PERKINS ENGINES COMPANY LTD	UK
SDMO	FRANCE
SIEMENS	GERMANY
VOLVO	SWEDEN
WARTSILA CORPORATION	FINLAND / THE NETHERLANDS
1.4.1.12- COOLING WATER REFRIGERATION PACKAGE	
ABAN AIR COOLER	IRAN
MY COM	JAPAN
1.4.2- PROCESS PACKAGE	
1.4.2.1- REFRIGERATION PACKAGE	
ARMANIK SANAT	IRAN
KOUSHA ENERGY TABARESTAN	IRAN
MASIR SABZ DELTA	IRAN
AIR LIQUIDE	FRANCE
AXIMA & GRENOBL	FRANCE
CARRIER FRANCE SA	FRANCE / BELGIUM
CASTAIN	UK
CCM SULZER	FRANCE
COOL TECH	FINLAND
EBARA	JAPAN
FLUIDECO	SPAIN
LINDE AG	GERMANY
MY COM	JAPAN
POLAR	GERMANY
QUIRT	FRANCE
THI *	SOUTH KOREA
TRANE	FRANCE / BELGIUM
YORK	FRANCE

<i>COMPANY NAME</i>	<i>ORIGIN</i>
1.4.2.2- DRYER PACKAGE	
CHAMAN (MOHANDESI VA SAKHT)	IRAN
HAVA ABZAR TEHRAN (HATCO)	IRAN
HAVAYAR	IRAN
KOUSHA ENERGY TABARESTAN	IRAN
SHID GHESHM	IRAN
SUPER ACTIVE	IRAN
AIR PACK	NETHERLAND
CMI INDUSTRIAL HRSG NV	BELGIUM
COEK ENGINEERING	BELGIUM
COHIN	W.EUROPE
ELLIMETAL	BELGIUM
FISCHER	FRANCE
G & G INTERNATIONAL NV	BELGIUM
GALA	USA / W.EUROPE
IDRECO	ITALY
NAT	FRANCE
NATOO	FRANCE
SILICA	GERMANY
SNIG	FRANCE
1.4.2.3- CHEMICAL INJECTION	
CHAMAN (MOHANDESI VA SAKHT)	IRAN
FARAYAND BOKHAR	IRAN
HAMOON RAH	IRAN
KARDANAN SHARGH Co.	IRAN
KAVEH MOBADEL	IRAN
KIANA PETRO ENERGY	IRAN
KOUSHA ENERGY TABARESTAN	IRAN
MACHIN SAZI NEEV	IRAN
MASIR SABZ DELTA	IRAN
PETRO FANAVARAN FATEH	IRAN
PETRO SAVIN SANAT	IRAN
RASTA GROUP GHESHM	IRAN
TEHRAN JAVAN	IRAN
ATELIER-DE-FOS	ITALY
DKM POMPES SA	FRANCE
DOSARPO MILTON	FRANCE
ECOMACCHINE	ITALY
FLUIDECO	SPAIN
HOODGVELD PROCESS EQUIPMENT	THE NETHERLANDS
MILTON ROY EUROPE	FRANCE
OMG OFFICINE MECANICHE GALLARATESI SPA	ITALY
PERONIPOMPE	ITALY
PROMINENT	GERMANY
REPCO S.R.L	ITALY
SALINE WATER SPECIALISTS (SWS)	ITALY
SEKO	ITALY
1.4.2.4- HYDROGEN PACKAGE	
ADICOMP	ITALY
AIR PACK	NETHERLAND
BLUTEK	ITALY
LINDE AG	GERMANY
MAHLER AGS	GERMANY
SILICA	GERMANY
1.4.2.5- PSA	
HAVA ABZAR TEHRAN (HATCO)	IRAN
HAVAYAR	IRAN
AIR PACK	NETHERLAND
CRYOTEC AN LAGENBAU	GERMANY
1.4.2.6- HRU	
WILL BE ADVISED LATER	

	COMPANY NAME	ORIGIN
1.4.2.7- COLD BOX		
	HILAVIS ARINA*	IRAN
	AIR LIQUID	FRANCE
	AIR PRODUCT	FRANCE
	CASTAIN	UK
	KOBELCO	JAPAN
	LINDE AG	GERMANY
	POLARIS	ITALY
	SIAD MACCHINE IMPIANTI	ITALY
	SUMITOMO PRECISION PRODUCTS	JAPAN
1.4.2.8- CATALYST PNEUMATIC TRANSPORT		
	BONYAN EMAN	IRAN
	DISAL	IRAN
	IRAN OIL	IRAN
	PARK TECHNIC	IRAN
	SYSTEMHAYE SANATI TAKESTAN	IRAN
	TAMKAR	IRAN
	BUHLER MIAG	FRANCE
	NEU	BELGIUM / FRANCE
	NOL-TEC	ITALY
	SANTENS ENG. SERNIVICES	BELGIUM
1.4.2.9- ELECTRO CHLORINATION		
	DE NORA	ITALY
	SESPI	ITALY
1.4.2.10- AIR SEPARATION UNIT (ASU)		
	HAVA ABZAR TEHRAN (HATCO)	IRAN
1.4.2.11- REFORMER		
	HEDCO	IRAN
	NOVARGI	SPAIN
1.4.3- SPECIAL PACKAGE		
1.4.3.1- HVAC SYSTEM		
1.4.3.1.1- COMPRESSION CHILLING		
	ABGARDAN	IRAN
	ARMANIK SANAT	IRAN
	ATMOSPHERE	IRAN
	CENTIGRAD	IRAN
	GHESHM TAHVIEH	IRAN
	GOROOH SANATI IRANIAN	IRAN
	HAVA SAZ	IRAN
	KARA TAHVIEH / KARA SANAT TADBIR PAYA	IRAN
	LIROK	IRAN
	MEHR ASL	IRAN
	NASEEM GOSTAR	IRAN
	RADIRAN	IRAN
	SABA AFARIN	IRAN
	SABALAN GOSTAR TAHVIEH	IRAN
	SAFIYAD	IRAN
	SANAYEH SARMA AFARIN	IRAN
	SARAN	IRAN
	SARAVAN	IRAN
	SARAVEL	IRAN
	SARMA AFARIN	IRAN
	SHAYA DAMA	IRAN
	TAHVIEH	IRAN
	TEHRAN TAHVIE GHESHM	IRAN
	ZAHESH	IRAN
	YEKTA TAHVIEH ARVAND	IRAN
	YORK IRAN	IRAN
	AXIAL FAN	ITALY
	ROSENBERG	GERMANY

COMPANY NAME	ORIGIN
1.4.3.1.2- ABSORPTION CHILLING	
ARYA BENIZ	IRAN
SARI POUYA	IRAN
TABADOL GOSTAR BOURAN	IRAN
YEKTA TAHVIEH ARVAND	IRAN
YORK IRAN	IRAN
ZAHESH	IRAN
AXIAL FAN	ITALY
EBARA	JAPAN
1.4.3.2- FLARE SYSTEM	
KASRAVAND	IRAN
KIMIAGARAN SANAT PARS	IRAN
MASNOUAT FELEZI SANGIN	IRAN
MASHIN FOULAD JONUB	IRAN
MASHIN SAZI ESFAHAN	IRAN
SYSTEMHAYE SANATI TAKESTAN / THERMO ENGINEERING	IRAN / ITALY
TASHA / HAMWORTHY	IRAN / THE NETHERLANDS
TEHRAN JAVAN	IRAN
AIR OIL FLARE GAS	UK / FRANCE
BIRWEL	UK
ESCHER	THE NETHERLANDS
GBA	UK
EUROPEM	BELGIUM
HOOGVELD	THE NETHERLANDS
ITAS IMPLANTI THERMOTECHNICS	ITALY
JOHN ZINK	JAPAN / UK / LUXEMBOURG
KALDAIR	UK
NIPPON NATIONAL AIR OIL BURNER	JAPAN
PREMATECHNIK	GERMANY
SAMIA S.R.L.	ITALY
STIBBE	THE NETHERLANDS
1.4.3.3- BAGGING / PALLETIZING / SHRINKING SYSTEM	
GOROOH SANATI FARINEH / HAVER & BOECKER	IRAN / GERMANY
MAH MACHIN	IRAN
PEYKAREH / WINDMOLLER & HOLSCHER	IRAN / GERMANY
BAGLINE	ITALY
BEUMER MASCHINEN FABRIK GMBH	GERMANY
MOLLERS	GERMANY
STATEC BINDER	AUSTRIA
ZEPHLIN	GERMANY
1.4.3.4- BIG BAG SYSTEM	
FARINEH MASHIN	IRAN
MAH MACHIN	IRAN
KRONOS RICHARSON	ITALY
MOLLERS	GERMANY
NOL-TEC	ITALY
1.4.3.5- DRUM FILLING PACKAGE	
FEIGE GMBH	GERMANY
LOG DOS	GERMANY
NOL-TEC	ITALY
SIG COMA CO	ITALY

	COMPANY NAME	ORIGIN
1.4.3.6- CONVEYING SYSTEM		
1.4.3.6.1- CONVEYER BELTS		
	DUNLOP	THE NETHERLANDS
1.4.3.6.2- CONVEYER PACKAGE		
	TEIF SEPAHAN	IRAN
	SIMAN SAZAN	IRAN
	FAM FORDERANLAGEN MAGDEBURG GMBH	GERMANY
	HIRATA INDUSTRIAL MACHINERY	JAPAN
	HOFFMEISTER-LEUCHTEN GMBH	GERMANY
	KRUPP	GERMANY
	NOL-TEC	ITALY
	P.H.B	GERMANY
	TECHINT TECHNOLOGIES	ITALY
	TECNO RULLI	ITALY
1.4.3.7- BUCKET ELEVATOR		
	ADVAN CORPORATION	JAPAN
	DOUBRAVA GMBH & CO. KG	AUSTRIA
	EMDE INDUSTRIE-TECHNIK GMBH	GERMANY
1.4.3.8- CRUSHER		
	BAUERMISTER	GERMANY
	P.H.B	GERMANY
1.4.3.9- RECLAIMER		
	P.H.B	GERMANY
1.4.3.10- LOADING & UNLOADING ARM		
	BAHRAM BAZOO	IRAN
	JAHAD DANESHGAHI ELM VA SANAT	IRAN
	PERSIAN GPE.	IRAN
	FMC EUROPE SA ENERGY SYSTEMS DIV.	FRANCE
	IGATEC	GERMANY
	SVT	GERMANY
	WOODFIELD SYSTEMS LTD	UK
1.4.3.11- ELEVATOR / LIFT (EX)		
	COUPL ASANSOR	IRAN
	SAHAND	IRAN
	OTIS	GERMANY
	SCHINDLER	GERMANY
1.4.3.12- PIG LAUNCHER & RECEIVER		
1.4.3.12.1- PIG CUP & SPHERE		
	MAHDIN	IRAN
	SANAYE POLYURTAN SAVAY	IRAN
	ZAFER	IRAN
	KLIEISS & CO BV.	UK/THE NETHERLANDS
	PIPELINE ENG.(PE)	UK
	TD WILLIAMSON	UK
1.4.3.12.2- LAUNCHER & RECEIVER		
	JAHED SANAT	IRAN
	KASRAVAND	IRAN
	PARGASIRAN	IRAN
	PETRO ENERGY KHALIJE FARS	IRAN
	PETRO GAZ NAMDARAN	IRAN
	REPCO S.R.L	ITALY
	RMA	GERMANY
	SIMIC	ITALY
	TECTUBI	ITALY
1.4.3.13- LUBE OIL UNIT		
	AEL	GERMANY
1.4.3.14- GANGWAY SYSTEM		
	VERHOEF	NETHERLAND

	COMPANY NAME	ORIGIN
1.5- GENERAL ITEMS		
1.5.1- INSULATION		
	ARMAN AYE GH SEPAHAN	IRAN
	AYEGH PARDIS SAEI	IRAN
	AYEGH SEPAHAN	IRAN
	BAB	IRAN
	FARAZ AYE GH ZARRIN	IRAN
	GILAN MICA	IRAN
	IDEH SAZAN	IRAN
	JAHAN AYE GH PARS	IRAN
	PASHM & SHISHEH IRAN / THERMO TANK	IRAN
	PASHM CERAMIC IRAN	IRAN
	PASHME SANG ARYA	IRAN
	PASHME SARBAREH ASIA	IRAN
	PASHM SANG IRAN	IRAN
	PASHM SANG VILA	IRAN
	PASHM SARBAREH IRAN	IRAN
	PERLIT SIMIN KIMIA (PERLIT)	IRAN
	PETRO ARTON / FINETEC CORP.	IRAN / S.KOREA
	SAMANDEHAN NOW ANDISH	IRAN
	TARABGIN	IRAN
	TARADIS	IRAN
	Kd ONE *	SOUTH KOREA
1.5.2- PAINT		
	AHWAZ RANG (AFTAB)	IRAN
	AMTIS	IRAN
	BAJAK	IRAN
	DARYA RANG	IRAN
	DEMIS SHIMI	IRAN
	EXIR PARTO OMID	IRAN
	GITI ASA	IRAN
	GOHAR FAM	IRAN
	GOROOH RANG PEDRAM	IRAN
	KHODRANG CHEMICAL INDUSTRIES	IRAN
	MAHLA	IRAN
	MAROUN POUSHESH	IRAN
	NEGIN ZEREH	IRAN
	NIK MAHZAR SPADANA	IRAN
	NLI FAM	IRAN
	PARS ALBORZ POUSHESH	IRAN
	PARSI FAM	IRAN
	PARS OCEAN	IRAN
	PARS PAMCHAL	IRAN
	PARSINCO	IRAN
	POOSHESHIHAYE SANATI DARYAEE SHOMAL	IRAN
	RANA KIMIA	IRAN
	RANG ALVAN	IRAN
	RANG ARGHAVAN / ARANG SHIMI	IRAN
	EXIR POOSHESH OMID	IRAN
	RANG FIROUZEH SHIRAZ	IRAN
	MAX PAINT	IRAN
	RANG SAZI IRAN	IRAN
	RANG SAZI TEHRAN ORANUS	IRAN
	RANG SOORMEH	IRAN
	RANGANFAR	IRAN
	RANGDANEH KALA	IRAN
	RANGHAYE SANATI IRAN	IRAN
	RANGIN	IRAN
	RANGIN ZEREH	IRAN
	RONASS	IRAN
	SABA SHIMI	IRAN
	SANAYE CHEMIYAE BUSHEHR	IRAN
	PETRO RANG PARAG	IRAN
	SANAYE RANG KROMAT	IRAN
	SARV RANG	IRAN
	SHAKIBA	IRAN
	TAKRANG KAR	IRAN
	TEIF IRAN	IRAN
	YASHM	IRAN
	ZARFAM POLYMER	IRAN
	ZARRIN FAM	IRAN
	JOTUN PROTECTS PROPE	NORWAY

<u>COMPANY NAME</u>	<u>ORIGIN</u>
<u>1.5.3- FLEXIBLE METAL HOSE</u>	
BOOSHIRAN	IRAN
BURGMANN PARS	IRAN
ZADA	IRAN
GEORGE BOYD	UK
HANSA FLEX	GERMANY
JOHN MORRIS SIEBE	UK
MATEC GROUP	ITALY
WILLCOX FLUID HANDLING	UK

<u>1.5.4- COATING & WRAPPING</u>	
AMITIS	IRAN
BAJAC	IRAN
ISO SEAL	IRAN
NIASHIMI	IRAN
NIK MAHZAR SPADANA	IRAN
PARS ALBORZ POUSSHESH	IRAN
PARSI FAM	IRAN
POOSHESHAYE SANATI DARYAEE SHOMAL	IRAN
EXIR PARTO OMID	IRAN
MAX PAINT	IRAN
PETRO RANG PARAG	IRAN
SHAKIBA	IRAN
TOORSEAL	IRAN
VARZIRAN	IRAN
ZARFAM POLYMER	IRAN
ZARRIN FAM	IRAN
ALTA	ITALY
JOTUN PROTECTS PROPE	NORWAY
LONG PRODUCT	UK
POLYAIM	UK
SERVIWRAP	CANADA/UK

<u>1.5.5- ELECTRODE & FILLER</u>	
AMA	IRAN
ELECTROD YAZD	IRAN
JOSHE & OXYGEN IRAN	IRAN
SANAYE JOOSH VA ELECTRODE SHIRAZ (WIEM)	IRAN
BOHLER	GERMANY
ESSAB	SWEDEN
LINCOLN/METRODE	UK
OERLIKON	FRANCE
SELECTARC	FRANCE
WELDING ALLOY	UK

1.5.6- NON-METALIC EQUIPMENT/BULK MATERIAL

1.5.6.1- DRUM

FARAPOX SHIRAZ	IRAN
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1.5.6.2- PIPE

AB HAYATE KERMAN (POLYMER)	IRAN
ARAS KAROON ALBORZ	IRAN
ARIAN SADEH (HB COMPOSITE)	IRAN
BASPAR SANAT PAZHOOH (BSP)	IRAN
FARASSAN (GRP / FRP)	IRAN
GAS LOOLEH (POLYMER)	IRAN
GOSTARESH PLASTIC (POLY ETHYLENE)	IRAN
MASHHAD SADRA (GRP / FRP)	IRAN
MOEIN KHORAMSHAHR	IRAN
PARS ETHYLENE KISH	IRAN
SANAYE POLYMER KERMAN (POLYMER)	IRAN
SUPER PIPE (POLYMER)	IRAN

<i>COMPANY NAME</i>	<i>ORIGIN</i>
1.5.6.3- FITTING	
AB HAYATE KERMAN (POLYMER)	IRAN
ARIAN SADEH (HB COMPOSITE)	IRAN
BASPAR SANAT PAZHOOH (BSP)	IRAN
FARAPOX SHIRAZ	IRAN
GAS LOOLEH (POLYMER)	IRAN
MASHHAD SADRA (GRP / FRP)	IRAN
MOEIN KHORAMSHAHR	IRAN
PARS ETHYLENE KISH	IRAN
SANAYE POLYMER KERMAN (POLYMER)	IRAN
SUPER PIPE (POLYMER)	IRAN

1.5.6.4- VALVE

WILL BE ADVISED LATER

1.5.7- STEEL PLATES

FOOLAD MOBARAKEH	IRAN
FOOLAD OXIN	IRAN
DILLINGER	GERMANY
DKC	S.KOREA
VOESTALPINE	AUSTRIA
WUYANG	SOUTH KOREA

1.5.8- TUBE FOR HEAT EXCHANGER

LOOLEHAYE DAGHIGH KAVEH	IRAN
BENTLER	GERMANY
INGEMASA	BRAZIL
TUBOS REUNIDOS	SPAIN

1.5.9- HEAD OF VESSEL

PARS TECHNIC	IRAN
POULAD SAZAN FARAYAND CO.	IRAN
DILLINGER	GERMANY

1.5.10- RUBBER PARTS

BASHIR COMPLEX (SA IRAN)	IRAN
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* Note : These products approved for 1 year only. After that must be consider again.

2. ELECTRICAL

2.ELECTRICAL

2.1- POWER TRANSFORMER

2.2- STATIC CONVERTOR

- 2.2.1- AC UPS
- 2.2.2- DC UPS (BATTERY CHARGER)
- 2.2.3- VARIABLE SPEED DRIVE / SOFT STARTER

2.3- BATTERY

- 2.3.1- LEAD ACID BATTERY
- 2.3.2- NICKEL CADMIUM BATTERY

2.4- SWITCH GEAR

- 2.4.1- L.V. SWITCH GEAR / MCC
- 2.4.2- M.V. SWITCH GEAR (GIS)
- 2.4.3- M.V. SWITCH GEAR (AIS + VCB)
- 2.4.4- H.V. SWITCH GEAR (GIS)
- 2.4.5- LOCAL DISTRIBUTION PANEL (INDUSTRIAL)
- 2.4.6- LOCAL DISTRIBUTION PANEL (EXPLOSION PROOF)
- 2.4.7- CAPACITOR BANK PANEL
- 2.4.8- PROTECTION & CONTROL PANEL

2.5- LIGHTING

- 2.5.1- INDUSTRIAL LIGHTING
- 2.5.2- EXPLOSION PROOF LIGHTING
- 2.5.3- STREET LIGHTING
- 2.5.4- LIGHTING POLE / ARM / TOWER
- 2.5.5- AIRCRAFT WARNING LIGHT
- 2.5.6- LED LIGHTING FIXTURE - NON INDUSTRIAL TYPE

2.6 - LOCAL CONTROL STATION

- 2.6.1- INDUSTRIAL CONTROL STATION
- 2.6.2- EXPLOSION PROOF CONTROL STATION

2.7- CABLE TRAY / LADDER & ACCESSORIES

- 2.7.1- METAL CABLE TRAY / CABLE LADDER & ACCESSORIES
- 2.7.2- GRP CABLE TRAY / CABLE LADDER & ACCESSORIES

2.8- INSTALLATION MATERIAL

- 2.8.1- CABLE GLAND
- 2.8.2- CONDUIT & FITTING
- 2.8.3- CABLE TERMINATION KIT & JOINT
- 2.8.4- PLUG & SOCKET (IND. / EXP. PROOF)
- 2.8.5- INDUSTRIAL JUNCTION & TERMINAL BOX
- 2.8.6- EXPLOSION PROOF J&T BOX

2.9- CABLE

2.9.1- LOW VOLTAGE / CONTROL CABLE

2.9.2- MEDIUM VOLTAGE CABLE

2.9.3- HIGH VOLTAGE CABLE

2.9.4- CABLE TERMINATION

2.9.5- CABLE JOINT

2.9.6- CABLE SHOE

2.9.7- CABLE CLAMP

2.10- CONTROL & INDICATION SYSTEM

2.10.1- ANNUNCIATION PANEL

2.10.2- INTERPOSING RELAY PANEL

2.10.3- POWER DISTRIBUTED CONTROL SYSTEM (PDCS) / POWER MANAGEMENT SYSTEM (PMS)

2.11- ELECTRICAL MOTOR

2.11.1- EXPLOSION PROOF L.V. ELECTRIC MOTOR

2.11.2- INDUSTRIAL L.V. ELECTRIC MOTOR

2.11.3- EXPLOSION PROOF M.V. ELECTRIC MOTOR

2.11.4- INDUSTRIAL M.V. ELECTRIC MOTOR

2.12- BUS DUCT

2.13- FIRE ALARM SYSTEM

2.14- ELECTRICAL HEAT TRACING

2.15- CATHODIC PROTECTION

2.15.1- CATHODIC PROTECTION SYSTEM

2.15.2- CATHODIC PROTECTION COMPONENT

2.15.2.1- TRANSFORMER-RECTIFIER

2.15.2.2- (IMPRESSED CURRENT ANODE (MMO/SILICON

2.15.2.3- SACRIFICIAL ANODE

2.15.2.4- REFERENCE ELECTRODE

2.15.2.5- SPARK GAP

2.15.2.6- CADWELD POWDER

2.15.2.7- HANDY CAP

2.15.2.8- CATHODIC PROTECTION REMOTE MONITORING & CONTROL SYSTEM

2.15.2.9- FLANGE INSULATION KIT

2.15.2.10- BOND BOX

2.15.2.11- PERMANENT & PORTABLE HALF CELL

2.15.2.12- COKE BREEZE

2.16- EARTHING & LIGHTNING

2.17- NEUTRAL GROUNDING RESISTOR

2.18- AC GENERATOR

2.18.1- TURBO GENERATOR

2.18.2- EMERGENCY GENERATOR

2.18.3- EMERGENCY DIESEL GENERATOR

2.19- MOBILE SUBSTATION

2.20- COMPONENTS

2.20.1 PROTECTION RELAY

2.20.2 AUXILIARY RELAY

2.20.3 CONTACTORS

2.20.4 AUXILIARY CONTACTOR

2.20.5 FUSE

2.20.6 SIGNAL LIGHT

2.20.7 CONTROL SWITCH

2.20.8 METERS

2.20.9 CIRCUIT BREAKER

2.20.9.1 LV CIRCUIT BREAKER

2.20.9.1.1 MIATURE CB

2.20.9.1.2 MCCB

2.20.9.1.3 ACB

2.20.9.2 MV CIRCUIT BREAKER

2.20.9.2.1 VACUUM

2.20.9.2.2 SF6

2.20.10 TRANSDUCER

2.20.11 CT'S & PT'S

2.20.12 TERMINALS

2.20.13 SPACE HEATER

2.20.14 THERMOSTAT

2.20.15 LIGHTING LAMPS

2.20.15.1 INCANDESCENT LAMP

2.20.15.2 MERCURY VAPOR LAMP

2.20.15.3 SODIUM VAPOR LAMP

2.20.15.4 FLOURESCENT LAMP

2.20.16 TIMER

2.20.17 CAPACITORS

2.20.18 FAULT / EVENT RECORDER

2.20.19 EXPLOSION PROOF ELECTRONIC BALLAST

2.20.20 TEST BLOCK

2.21- ELECTRICAL HEATER FOR PROCESS EQUIPMENT

2.22- MEASUREMENT CENTER

<i>COMPANY NAME</i>	<i>ORIGIN</i>
2.1- POWER TRANSFORMER	
IRAN TRANSFO	IRAN
ABB TRANSFO	FINLAND / GERMANY
AREVA	FRANCE
BRUSH TRANSFORMER	UK
FUJI ELECTRIC CO	JAPAN
IEO TRANSFORMATOREN	NETHERLANDS
PAUWELS	BELGIUM
SCHNEIDER GROUP	FRANCE
SCHORCH	GERMANY
SIEMENS	GERMANY
TOSHIBA CORPORATION	JAPAN
VA TECH ELIN	AUSTRIA

2.2- STATIC CONVERTOR

2.2.1- AC UPS

AMAK KOUSHA	IRAN
ARA TAJHIZ SYSTEM	IRAN
BEC AFZAR	IRAN
BORNA ELECTRONIC	IRAN
HAJIR SANAT**	IRAN
JAHAD DANESHGAHI ELM VA SANAT	IRAN
PARS ELTEK ENERGY	IRAN
PARS KAVIR ARVAND	IRAN
PORSOO ELECTRONIC ***	IRAN
POYEH ELECTRONIC *	IRAN
TAVAN POOYESH***	IRAN
TRADIS *	IRAN
BENNING	GERMANY
BORRI S.P.A	ITALY
C.E.G Electronica Industriale S.p.A	ITALY
CHLORIDE INDUSTRIAL	FRANCE
GUTOR ELECTRONIC LTD	SWITZERLAND
SAFT POWER SYSTEM	FRANCE
SCHNEIDER GROUP	FRANCE
SIEMENS	GERMANY
SOCOMEK	FRANCE
WARTSILA JOVYATLAS EUROATLAS	GERMANY

* VENDORS FOR UPS UP TO 5KVA

** VENDORS FOR UPS UP TO 10KVA

*** VENDORS FOR UPS UP TO 20KVA

2.2.2- DC UPS (BATTERY CHARGER)

AMAK KOUSHA	IRAN
ARA TAJHIZ SYSTEM	IRAN
BEC AFZAR	IRAN
BORNA ELECTRONIC	IRAN
JAHAD DANESHGAHI ELM VA SANAT	IRAN
PARS KAVIR ARVAND	IRAN
TALIRAN	IRAN
TAVAN POUYESH	IRAN
ALCAD	SWEDEN
BENNING	GERMANY
BORRI S.P.A	ITALY
C.E.G Electronica Industriale S.p.A	ITALY
CHLORIDE INDUSTRIAL	FRANCE
GUTOR ELECTRONIC LTD	SWITZERLAND
SAFT POWER SYSTEM	FRANCE

<i>COMPANY NAME</i>	<i>ORIGIN</i>
SCHNEIDER GROUP	FRANCE
SIEMENS	GERMANY
SOCOMEK	FRANCE
TOSHIBA CORPORATION	JAPAN
WARTSILA JOVYATLAS EUROATLAS	GERMANY

2.2.3- VARIABLE SPEED DRIVE / SOFT STARTER

BORNA ELECTRONIC	IRAN
MICROCONTROL	IRAN
ABB GROUP	GERMANY
ANSALDO SISTEMI INDUSTRIALI	ITALY
BARGH & ELECTRONIC PARTO SANAT	IRAN
CG EMOTRON	SWEDEN
ELETTRONICA SANTERNO S.P.A	ITALY
HYUNDAI ELECTRIC & ENERGY SYSTEMS CO., LTD	SOUTH KOREA
LENZE	GERMANY
MITSUBISHI	JAPAN
MOCOTECH GmbH	GERMANY
OMRON	JAPAN
SCHNEIDER GROUP	FRANCE
SIEMENS	GERMANY
VACON	FINLAND

2.3- BATTERY

2.3.1- LEAD ACID BATTERY

NIRO	IRAN
PLATIN IRAN (NIL)	IRAN
ALCAD	SWEDEN
HOPPECKE	GERMANY
SAFT	FRANCE/ SWEDEN
VARTA	GERMANY / FRANCE
YUASA	JAPAN

2.3.2- NICKEL CADMIUM BATTERY

ALCAD	SWEDEN
GAZ	GERMANY
HOPPECKE	GERMANY
SAFT	SWEDEN
VARTA	GERMANY / FRANCE

2.4- SWITCH GEAR

2.4.1- L.V. SWITCH GEAR / MCC

ADAK BEHIN NIROO	IRAN
ARIA SANAT ERAM	IRAN
ARUN ENERGY	IRAN
CYBER SANAAT (CUBIC)	IRAN
ELECTRO KAVIR	IRAN
IRAN SEABOK	IRAN
IRAN SWITCH	IRAN
IRAN TABLO	IRAN
JABON	IRAN
KERMAN TABLO	IRAN
LAVAN TABLO	IRAN
NEKA NOVIN	IRAN

<i>COMPANY NAME</i>	<i>ORIGIN</i>
PARS TABLO	IRAN
PARS SANAT PARAND	IRAN
RASEL TABLO	IRAN
PERSIAN TAJHIZ NIROO	IRAN
SATHA	IRAN
TAKSAZ TABLO	IRAN
TALIRAN	IRAN
TAMIN TABLO	IRAN
TOLIDE MALZOOMATE BARGH (TMB)	IRAN

2.4.2- M.V. SWITCH GEAR (GIS)

ABB GROUP	GERMANY
GE	WEST EUROPE
HOLEC	WEST EUROPE
SCHNEIDER GROUP	FRANCE
SIEMENS	GERMANY
VA TECH ELIN	NETHERLANDS

2.4.3- M.V. SWITCH GEAR (AIS + VCB)

ADAK BEHIN NIROO	IRAN
ARIA SANAT ERAM	IRAN
ARUN ENERGY	IRAN
AZAR FONoon TABLO	IRAN
ELECTRO KAVIR	IRAN
IRAN SEABOK	IRAN
IRAN SWITCH	IRAN
IRAN TABLOUE	IRAN
JABON	IRAN
KERMAN TABLO	IRAN
MAZHAR NOOR	IRAN
NEKA NOVIN	IRAN
PARS SANAT PARAND	IRAN
PARS TABLOUE	IRAN
RASEL TABLO	IRAN
PERSIAN TAJHIZ NIROO	IRAN
SANE SHARGH	IRAN
TAKSAZ TABLO	IRAN
TALIRAN	IRAN
TAMIN TABLO	IRAN
TOLIDE MALZOOMATE BARGH (TMB)	IRAN
YAM	IRAN

2.4.4- H.V. SWITCH GEAR (GIS)

ELECTROKAVIR / SIEMENS	IRAN / GERMANY
ABB GROUP	GERMANY
ALSTOM	FRANCE
HITACHI	JAPAN
MITSUBISHI	JAPAN
SCHNEIDER GROUP	FRANCE
SIEMENS	GERMANY
VA TECH ELIN	NETHERLANDS

COMPANY NAME	ORIGIN
2.4.5- LOCAL DISTRIBUTION PANEL (INDUSTRIAL)	
ADAK BEHIN NIROO	IRAN
ARIA SANAT ERAM	IRAN
ASHTIAN TABLO	IRAN
AZAR FONON TABLOUE	IRAN
ARUN ENERGY	IRAN
CYBER SANAAT (CUBIC)	IRAN
DAYHEEM	IRAN
ELECTRO KAVIR / LENA YAZD	IRAN
FARAMIN TABLOUE	IRAN
IRAN SEABOK	IRAN
IRAN SWITCH	IRAN
IRAN TABLOUE	IRAN
ISTA NOAVARAN NIROO	IRAN
JABON	IRAN
KERMAN TABLOUE	IRAN
LAVAN TABLO	IRAN
LENA YAZD	IRAN
NEKA NOVIN	IRAN
PANJTASH	IRAN
PARS TABLOUE	IRAN
PARS SANAT PARAND	IRAN
PERSIAN TAJHIZ NIROO	IRAN
RASAN	IRAN
SANE SHARGH	IRAN
SATHA	IRAN
TAKSAZ TABLO	IRAN
TALIRAN	IRAN
TAMIN TABLOUE	IRAN
TOLIDE MALZOOMAT BARGH (TMB)	IRAN
TOLIDI & MOHANDESI NOAVARAN TAJHIZAT IMEN BARGH(NATIB)	IRAN
YAM	IRAN
ROSE SYSTEMTECHNIK GmbH	GERMANY

2.4.6- LOCAL DISTRIBUTION PANEL (EXPLOSION PROOF)	
DARIAN	IRAN
DAYHEEM	IRAN
MASHIN SAZI SHOMAL PIROOZ	IRAN
NOOR MEHVAR FARS	IRAN
COELBO	ITALY
CORTEM	ITALY
CO.SI.ME	ITALY
FEAM	ITALY
LEGRAND	FRANCE
ROSE SYSTEMTECHNIK GmbH	GERMANY
SCHUCH	GERMANY
STAHL	GERMANY
WALSALL	UK

2.4.7- CAPACITOR BANK PANEL	
ARUN ENERGY	IRAN
FARAKOH*	IRAN
MAZHAR NOOR	IRAN
PALAYESH NIROO	IRAN
SANE SHARGH	IRAN
TAKSAZ TABLO	IRAN
TOLIDE MALZOOMAT BARGH (TMB)	IRAN

* Only LV

ALSO SEE 2.4.1 VENDORS

<i>COMPANY NAME</i>	<i>ORIGIN</i>
2.4.8- PROTECTION & CONTROL PANEL	
ADAK BEHIN NIROO	IRAN
ARIA SANAT ERAM	IRAN
ISTA NOAVARAN NIROO	IRAN
LAVAN TABLO	IRAN
TALIRAN	IRAN

2.5- LIGHTING

2.5.1- INDUSTRIAL LIGHTING

JAHAN NOOR	IRAN
JAR	IRAN
MAZI NOOR	IRAN
NOORSA GOSTAR NOVIN	IRAN
NOOR KAR (GOLNOOR)	IRAN
SANAYE ROSHANAEE FAJR	IRAN
SANYE ROSHANAEE ARM	IRAN
TOLIDI & MOHANDESI NOAVARAN TAJHIZAT IMEN BARGH(NATIB)	IRAN
SPINA GROUP (ATEX SRL)	ITALY
WALSALL	UK

2.5.2- EXPLOSION PROOF LIGHTING

DARIAN	IRAN
IRANIAN WAROM GROUP	IRAN
JAHAN NOOR / GLAMOX	IRAN (NORWAY)
MAZI NOOR (SCHUCH)	IRAN (GERMANY)
MASHIN SAZI SHOMAL PIROOZ	IRAN
NOOR MEHVAR FARS	IRAN
COELBO	ITALY
CORTEM	ITALY
CO.SI.ME	ITALY
FEAM	ITALY
LEGRAND	FRANCE
NUOVA ASP s.r.l	ITALY
SPINA GROUP (ATEX SRL)	ITALY
STAHL	GERMANY
THORN LIGHTING	WEST EUROPE

2.5.3- STREET LIGHTING

GOLNOOR	IRAN
JAHAN NOOR	IRAN
JAR	IRAN
MAZINOOR	IRAN
NOORSA GOSTAR NOVIN	IRAN
SANAYE ROSHANAEE FAJR	IRAN
SANYE ROSHANAEE ARM	IRAN
TOLIDI & MOHANDESI NOAVARAN TAJHIZAT IMEN BARGH(NATIB)	IRAN

<i>COMPANY NAME</i>	<i>ORIGIN</i>
2.5-4- LIGHTING POLE / ARM / TOWER	
EHDAS GOSTAR NIROOYE PARS	IRAN
JAR	IRAN
MASHIN SAZI SHOMAL PIROOZ (Only Lighting Arm)	IRAN
MAZINOOR	IRAN
NIK NOOR	IRAN
NOOR KAR (GOLNOOR)	IRAN
NOORSA GOSTAR NOVIN	IRAN
PARS AKHGAR	IRAN
SANYE ROSHANAEE ARM	IRAN
TOLIDE MALZOOMAT BARGH	IRAN

2.5-5- AIRCRAFT WARNING LIGHT	
MASHIN SAZI SHOMAL PIROOZ	IRAN
GLAMOX	NORWAY
NUOVA ASP s.r.l	ITALY
ORGA B.V.	NETHERLANDS
SIEMENS	GERMANY
THALES	FRANCE

2.5-6- LED LIGHTING FIXTURE - NON INDUSTRIAL TYPE	
SHAYAN BARGH INDUSTRIAL GROUP	IRAN

2.6 - LOCAL CONTROL STATION

2.6.1- INDUSTRIAL CONTROL STATION	
DARIAN	IRAN
DAYHEEM	IRAN
MASHIN SAZI SHOMAL PIROOZ	IRAN
NOOR MEHVAR FARS	IRAN
TOLIDI & MOHANDESI NOAVARAN TAJHIZAT IMEN BARGH(NATIB)	IRAN
CORTEM	ITALY
FEAM	ITALY
ITALSMEA	ITALY
LEGRAND	FRANCE
ROSE SYSTEMTECHNIK GmbH	GERMANY
SCAME PARRE	ITALY
STAHL	GERMANY

2.6.2- EXPLOSION PROOF CONTROL STATION	
DARIAN	IRAN
DAYHEEM	IRAN
MASHIN SAZI SHOMAL PIROOZ	IRAN
NOOR MEHVAR FARS	IRAN
TOLIDI & MOHANDESI NOAVARAN TAJHIZAT IMEN BARGH(NATIB)	IRAN
COELBO	ITALY
CO.SI.ME	ITALY
CORTEM	ITALY
FEAM	ITALY
ITALSMEA	ITALY
LEGRAND	FRANCE
ROSE SYSTEMTECHNIK GmbH	GERMANY
SCAME PARRE	ITALY
STAHL	GERMANY
WALSALL	UK

COMPANY NAME

ORIGIN

2.7- CABLE TRAY/LADDER & ACCESSORIES

2.7.1- METAL CABLE TRAY/CABLE LADDER & ACCESSORIES

AJINEH	IRAN
ALAMAFROZE	IRAN
ARAN SHAHAB	IRAN
FARAMIN TABLOUE	IRAN
MASHIN SAZI SHOMAL PIROOZ	IRAN
MAZHAR NOOR	IRAN
NEKA NOVIN	IRAN
PAJOHAN SANAT PARS	IRAN
PANJTASH	IRAN
PARS AKHGAR	IRAN
POUSHESH MONAVAR GOSTAR	IRAN
SATHA	IRAN
TALIRAN	IRAN
TAVAN AFROOZ VINEH ENG.CO	IRAN
TOSEH SANAYE PETRO FOOLADE GHARB	IRAN
VANASHID	IRAN

2.7.2- GRP CABLE TRAY/CABLE LADDER & ACCESSORIES

WILL BE ADVISED LATER

2.8- INSTALLATION MATERIAL

2.8.1- CABLE GALND

IRANIAN WAROM GROUP	IRAN
MASHIN SAZI SHOMAL PIROOZ	IRAN
NOOR MEHVAR FARS	IRAN
TOLIDI & MOHANDESI NOAVARAN TAJHIZAT IMEN BARGH(NATIB)	IRAN
COELBO	ITALY
COPER CROUSE-HINDS (CEAG)	GERMANY
CORTEM	ITALY
HAWKE	UK
NUOVA ASP s.r.l	ITALY
OSCG Co.	SOUTH KOREA
SPINA GROUP (ATEX SRL)	ITALY
STAHL	GERMANY
TAVAN OMRAN SANAT E SAMANEH	IRAN
WALSALL	UK

2.8.2- CONDUIT & FITTING

LOOLEHAYE DAGHIGH KAVEH	IRAN
MASHIN SAZI SHOMAL PIROOZ (Only fitting)	IRAN
NOOR MEHVAR FARS	IRAN
PARS AKHGAR	IRAN
TOLIDI & MOHANDESI NOAVARAN TAJHIZAT IMEN BARGH(NATIB)	IRAN
TOSE TANAYE IRAN	IRAN
TOSEH SANAYE PETRO FOOLADE GHARB	IRAN
PMA	SWITZERLAND

2.8.3- CABLE TERMINATION KIT & JOINT

CTL	UK
ILJIN ELECTRIC Co. Ltd	SOUTH KOREA
NEXAN	FRANCE
PFISTERER	GERMANY
RAYCHEM	GERMANY
RXS	FRANCE
SIEMENS	GERMANY
SUDKABEL	GERMANY

<i>COMPANY NAME</i>	<i>ORIGIN</i>
2.8.4- PLUG & SOCKET (IND. / EXP. PROOF)	
IRANIAN WAROM GROUP	IRAN
MASHIN SAZI SHOMAL PIROOZ	IRAN
NOOR MEHVAR FARS (Only for Industrial)	IRAN
CORTEM	ITALY
CO.SI.ME	ITALY
LEGRAND	FRANCE
NUOVA ASP s.r.l	ITALY
SCAME PARRE	ITALY
SCHUCH	GERMANY
STAHL	GERMANY
WALSALL	UK
2.8.5- INDUSTRIAL JUNCTION & TERMINAL BOX	
DAYHEEM	IRAN
MASHIN SAZI SHOMAL PIROOZ	IRAN
NOOR MEHVAR FARS	IRAN
TOLIDI & MOHANDESI NOAVARAN TAJHIZAT IMEN BARGH(NATIB)	IRAN
CORTEM	ITALY
ITALSMEA	ITALY
LEGRAND	FRANCE
ROSE SYSTEMTECHNIK GmbH	GERMANY
SCAME PARRE	ITALY
SPINA GROUP (ATEX SRL)	ITALY
STAHL	GERMANY
WALSALL	UK
2.8.6- EXPLOSION PROOF JUNCTION & TERMINAL BOX	
DARIAN	IRAN
DAYHEEM	IRAN
IRANIAN WAROM GROUP	IRAN
MASHIN SAZI SHOMAL PIROOZ	IRAN
NOOR MEHVAR FARS	IRAN
TOLIDI & MOHANDESI NOAVARAN TAJHIZAT IMEN BARGH(NATIB)	IRAN
COELBO	ITALY
COPER CROUSE-HINDS (CEAG)	GERMANY
CORTEM	ITALY
CO.SI.ME	ITALY
FEAM	ITALY
ITALSMEA	ITALY
NUOVA ASP s.r.l	ITALY
ROSE SYSTEMTECHNIK GmbH	GERMANY
SCAME PARRE	ITALY
SPINA GROUP (ATEX SRL)	ITALY
STAHL	GERMANY
WALSALL	UK
2.9- CABLE	
2.9.1- LOW VOLTAGE / CONTROL CABLE	
ARVIN ELECTRIC PARS (ABHAR SIMAND CABLE)	IRAN
IRAN CABLE MANUFACTURING COMPANY	IRAN
KABL SAZI TAK	IRAN
KABLE ALBORZ	IRAN
KABLE BAKHTAR	IRAN
KABLE KERMAN & KAVIAN	IRAN
KABLE MESSIN	IRAN
KHORASAN ELECTRIC INDUSTIRES	IRAN
KABLE METAL	IRAN
KABLE SHAHIN	IRAN
KERMAN ZAR CABLE	IRAN
OFOGHE ALBORZ	IRAN
RASANA CABLE	IRAN
SHAHABJAM	IRAN
SIMIA	IRAN
SIM VA KABLE ABHAR	IRAN
SIM VA KABLE MOGHAN	IRAN
SIM VA KABLE YAZD	IRAN
SIMBAF	IRAN
SIMCO	IRAN
SINA CABLE	IRAN
ZARSIM	IRAN

<i>COMPANY NAME</i>	<i>ORIGIN</i>
2.9.2- MEDIUM VOLTAGE CABLE	
IRAN CABLE MANUFACTURING COMPANY	IRAN
KABLE ALBORZ	IRAN
KABLE KERMAN & KAVIAN	IRAN
KABLE SHAHIN	IRAN
METAL CABLE	IRAN
OFOGHE ALBORZ	IRAN
SIM VA KABLE ABHAR	IRAN
SIM VA KABLE MOGHAN	IRAN
SIM VA KABLE YAZD	IRAN
SIMCO	IRAN
SINA CABLE	IRAN
FUJI ELECTRIC	JAPAN
ILJIN ELECTRIC Co. Ltd	SOUTH KOREA
LEONI Kerpen	GERMANY
SIEMENS	GERMANY
2.9.3- HIGH VOLTAGE CABLE	
IRAN CABLE MANUFACTURING COMPANY	IRAN
SIM VA KABLE ABHAR	IRAN
SIMCO	IRAN
FUJI ELECTRIC	JAPAN
ILJIN ELECTRIC Co. Ltd	SOUTH KOREA
LEONI Kerpen	GERMANY
PRYSMAIN CABLE & SYSTEM	ITALY
SUDKABEL	GERMANY
SIEMENS	GERMANY
2.9.4- CABLE TERMINATION	
ELCON MEGARD / SHAHIN MAFSAL	IRAN
CTL	UK
ILJIN ELECTRIC Co. Ltd	SOUTH KOREA
NEXAN	FRANCE
PFISTERER	GERMANY
RAYCHEM	GERMANY
RXS	FRANCE
SIEMENS	GERMANY
SUDKABEL	GERMANY
2.9.5- CABLE JOINT	
ELCON MEGARD / SHAHIN MAFSAL	IRAN
CTL	UK
ILJIN ELECTRIC Co. Ltd	SOUTH KOREA
NEXAN	FRANCE
PFISTERER	GERMANY
RAYCHEM	GERMANY
RXS	FRANCE
SIEMENS	GERMANY
SUDKABEL	GERMANY
2.9.6- CABLE SHOE	
SHAHIN MAFSAL	IRAN

	<u>COMPANY NAME</u>	<u>ORIGIN</u>
2.9.7- CABLE CLAMP	PETUNIA	IRAN
	SHAHIN MAFSAL	IRAN

2.10- CONTROL & INDICATION SYSTEM

2.10.1- ANNUNCIATION PANEL

ELECTRO KAVIR	IRAN
FARARAVESH	IRAN
JABON	IRAN
KERMAN TABLOUE	IRAN
NEKA NOVIN	IRAN
PARS SANAT PARAND	IRAN
TAMIN TABLOUE	IRAN
ABB GROUP	GERMANY
SCHNEIDER GROUP	FRANCE
SIEMENS	GERMANY

2.10.2- INTERPOSING RELAY PANEL

AZAR FONON TABLOUE	IRAN
ELECTRO KAVIR	IRAN
IRAN SEABOK	IRAN
IRAN SWITCH	IRAN
IRAN TABLOUE	IRAN
JABON	IRAN
KERMAN TABLOUE	IRAN
PARS TABLOUE	IRAN
SATHA	IRAN
TAMIN TABLOUE	IRAN
TOLIDE MALZOOMATE BARGH	IRAN

2.10.3- POWER DISTRIBUTED CONTROL SYSTEM (PDCS) / POWER MANAGEMENT SYSTEM (PMS)

CONTRONIC	IRAN
ENERGY KAVIR PAYA	IRAN
GOROOH SANATI FARINEH	IRAN
NOVIN DANESH E AYANDEH	IRAN
KERMAN TABLOUE	IRAN
SIGMA GOSTAR ARIA	IRAN
TALIRAN	IRAN

2.11- ELECTRICAL MOTOR

2.11.1- EXPLOSION PROOF L.V. ELECTRIC MOTOR

GOROOH SANATI FAN GENERATOR	IRAN
JEMCO	IRAN
ABB GROUP	GERMANY
ALSTOM	FRANCE
CEMP	ITALY
HELMKE ORBIS GMBH	GERMANY
HYUNDAI ELECTRIC & ENERGY SYSTEMS CO., LTD	SOUTH KOREA
HYOSUNG CORPORATION	SOUTH KOREA
LEROY SOMER	FRANCE
MARELY	ITALY
SCHORCH	GERMANY
SIEMENS	GERMANY
TOSHIBA	JAPAN
VEM MOTOR Gmbh.	GERMANY
WEG EQUIPAMENTOS ELETRICOS S.A.	BRAZIL

<i>COMPANY NAME</i>	<i>ORIGIN</i>
ARIAN SANAT	IRAN
GOROOH SANATI FAN GENERATOR	IRAN
JEMCO	IRAN
MOTOGEN	IRAN
SHIRAZ SPECIAL ZONE ELECTRO MOTOR (VEM PARS)	IRAN
TURBO GENERATOR	IRAN
ABB GROUP	GERMANY
ALSTOM	FRANCE
BROOK CROMPTON	UK
CEMP	ITALY
FLENDER	GERMANY
HELMKE ORBIS GMBH	GERMANY
HYUNDAI ELECTRIC & ENERGY SYSTEMS CO., LTD	SOUTH KOREA
HYOSUNG CORPORATION	SOUTH KOREA
LEROY SOMER	FRANCE
MARELY	ITALY
SCHORCH	GERMANY
SIEMENS	GERMANY
TOSHIBA	JAPAN
VEM MOTOR Gmbh.	GERMANY
WEG EQUIPAMENTOS ELETRICOS S.A.	BRAZIL

<i>COMPANY NAME</i>	<i>ORIGIN</i>
GOROOH SANATI FAN GENERATOR	IRAN
JEMCO (LOHER)	IRAN (GERMANY)
ABB GROUP	GERMANY
ANSALDO SISTEMI INDUSTRIALI	ITALY
BRUSH	UK
FUJI	JAPAN
HELMKE ORBIS GMBH	GERMANY
HYUNDAI ELECTRIC & ENERGY SYSTEMS CO., LTD	SOUTH KOREA
HYOSUNG CORPORATION	SOUTH KOREA
JEUMONT ELECTRIC	FRANCE
SCHNEIDER GROUP	FRANCE
SCHORCH	GERMANY
SIEMENS	GERMANY
TECO WESTINGHOUSE	USA / TAIWAN
TOSHIBA	JAPAN
VEM MOTOR Gmbh.	GERMANY
WEG EQUIPAMENTOS ELETRICOS S.A.	BRAZIL

<i>COMPANY NAME</i>	<i>ORIGIN</i>
GOROOH SANATI FAN GENERATOR	IRAN
JEMCO (LOHER)	IRAN (GERMANY)
ABB GROUP	GERMANY
ANSALDO SISTEMI INDUSTRIALI	ITALY
BRUSH	UK
FUJI	JAPAN
HELMKE ORBIS GMBH	GERMANY
HYUNDAI ELECTRIC & ENERGY SYSTEMS CO., LTD	SOUTH KOREA
HYOSUNG CORPORATION	SOUTH KOREA
JEUMONT ELECTRIC	FRANCE
SCHNEIDER GROUP	GERMANY
SCHORCH	GERMANY
TECO WESTINGHOUSE	USA / TAIWAN
TOSHIBA	JAPAN
VEM MOTOR Gmbh.	GERMANY
WEG EQUIPAMENTOS ELETRICOS S.A.	BRAZIL

<u>COMPANY NAME</u>	<u>ORIGIN</u>
2.12- BUS DUCT	
GITAL	IRAN
LENA YAZD (ONLY LV BUS DUCT)	IRAN
BBI	ITALY
BETA BARDUCT	UK
BKS	SWITZERLAND
GRAZIADIO	ITALY
EDMUNDSON	UK
FUJI ELECTRIC	JAPAN
HITACHI CABLE	JAPAN
LS CABLE & SYSTEM LTD	SOUTH KOREA
MARELY	ITALY
SCHNEIDER GROUP	FRANCE
SIMELECTRO	FRANCE
TEFELEN	GERMANY
ZUCCHINI	ITALY

2.13- FIRE ALARM SYSTEM	
NOVIN DANESH E AYANDEH	IRAN
PARS HASSAS	IRAN
ABB GROUP	GERMANY
CERBERUS	SWITZERLAND
DETECTOMAT	GERMANY
SILVANI	ITALY
GEC	UK
HOCHIKI	JAPAN
PHOTAIN CONTROL PLC	UK
SAFETEC	ITALY
SANCO Fire Protection and Safety Technology	ITALY
SIEMENS	GERMANY
SILVERTEC	UK
THORN	UK

2.14- ELECTRICAL HEAT TRACING	
BARTEC	GERMANY
DEVI A/S	DENMARK
ELTHERM	GERMANY
FINE KOREA CO., LTD	SOUTH KOREA
HEAT TRACE Ltd.	UK
KLOPPER - THERM GmbH	GERMANY
RAYCHEM	GERMANY
SIGMA CONTROL	GERMANY
THERMON	UK

2.15- CATHODIC PROTECTION	
2.15.1 CATHODIC PROTECTION SYSTEM	
ARMIN SANAT GOSTARAN	IRAN
BORNA ELECTRONICS	IRAN
FANAVARI DANESH KHORDEGI	IRAN
FARA SANAT BAN	IRAN
JAHADE DANESHGAHI ELM VA SANAT	IRAN
MOHANDESI MOSHAVER BINA	IRAN
PAYESH SANAT NOVIN	IRAN
PETUNIA	IRAN
REFERANCE IRAN	IRAN
TECHINCO	IRAN
ZANG SETIZANE SHARGH	IRAN
CATHODIC PROTECTION CO (CPC)	UK
CORROCELL CO	UK
CORRPRO	UK
CORR OCEAN	NORWAY
CORROSION TECHNOLOGY SERVICES EUROPE Ltd. (CTS)	UK
ROSE CORROSION SERVICES	UK
WILSON WALTON	UK

<u>COMPANY NAME</u>	<u>ORIGIN</u>
2.15.2- CHTADOIC PROTECTION COMPONENT	
2.15.2.1 TRANSFORMER-RECTIFIER	
ARMIN SANAT GOSTARAN	IRAN
BORNA ELECTRONIC	IRAN
JAHADE DANESHGAHI ELM VA SANAT	IRAN
PAYESH SANAAT NOVIN	IRAN
PETUNIA	IRAN
POOYESH NIROO	IRAN
REFERANCE IRAN	IRAN
BAC	UK
CORROCO	UK
CATHODIC PROTECTION CO (CPC)	UK
CATH-TECH	CANADA
HELLAS	THE NETHERLANDS
WILSON WALTON	UK
2.15.2.2 IMPRESSED CURRENT ANODE(MMO/SILICON)	
BORNA GODAZ	IRAN
PETUNIA	IRAN
REFERANCE IRAN	IRAN
BAC GROUP	UK
CORROCO	UK
CORRPRO	UK
CATHODIC PROTECTION CO (CPC)	UK
GCP	GERMANY
HITECH	UK
MAGNETO	NETHERLANDS
PML	CANADA
TELPRO	UK
2.15.2.3 SACRIFICIAL ANODE (MG/AL/ZN)	
ARMIN SANAT GOSTARAN	IRAN
BORNA GODAZ	IRAN
REFERANCE IRAN	IRAN
2.15.2.4 REFERENCE ELECTRODE	
ARMIN SANAT GOSTARAN	IRAN
BORNA GODAZ	IRAN
REFERANCE IRAN	IRAN
CORRPRO	UK
2.15.2.5 SPARK GAP	
CORROCO	UK
2.15.2.6 CADWELD POWDER	
PETUNIA	IRAN
ERICO	THE NETHERLANDS

<i>COMPANY NAME</i>	<i>ORIGIN</i>
<i>2.15.2.7 HANDY CAP</i>	
CELLPACK	GERMANY
ERICO	THE NETHERLANDS
ROYSTON	USA
<i>2.15.2.8 CATHODIC PROTECTION REMOTE MONITORING AND CONTROL SYSTEM</i>	
PETUNIA	IRAN
REFERANCE IRAN	IRAN
GCP	GERMANY
IMP	UK
REMCO SYSTEM LTD	UK
<i>2.15.2.9- FLANGE INSULATION KIT</i>	
PETUNIA	IRAN
REFERANCE IRAN	IRAN
<i>2.15.2.10- BOND BOX</i>	
BORNA GODAZ	IRAN
PETUNIA	IRAN
<i>2.15.2.11- PERMANENT & PORTABLE HALF CELL</i>	
BORNA GODAZ	IRAN
PETUNIA	IRAN
<i>2.15.2.12- COOK BREEZE</i>	
BORNA GODAZ	IRAN
PETUNIA	IRAN
<i>2.16- EARTHING & LIGHTNING MATERIAL</i>	
AMAD SANAT PISHTAZ	IRAN
AMOJ FARAYAND	IRAN
ESPAK	IRAN
KAHANGAN MEHR	IRAN
KAR PIRA KAVIR	IRAN
PARSIAN TARASH SANAT(PTS)	IRAN
PAYA SYSTEM	IRAN
PETUNIA	IRAN
TAJHIZAT SYSTEM ZAMIN	IRAN
ABB GROUP	GERMANY
ALLTEC	USA
FURSE	UK
FRANCE PARATONNERRES	FRANCE
INDELEC	FRANCE

<i>COMPANY NAME</i>	<i>ORIGIN</i>
2.17- NEUTRAL GROUNDING RESISTOR	
BORNA ELECTRONIC	IRAN
MEHR TAVAN GOSIL	IRAN
PARRSUN	IRAN
ABB GROUP	GERMANY
ALSTOM	FRANCE
FUJI ELECTRIC	JAPAN
MITSUBISHI	JAPAN
SIEMENS	GERMANY
TOSHIBA	JAPAN
2.18- AC GENERATOR	
2.18.1- TURBO GENERATOR	
ALSTOM	FRANCE
ELIN	AUSTRIA
HITACHI	JAPAN
MITSUBISHI	JAPAN
SIEMENS	GERMANY
TOSHIBA	JAPAN
2.18.2- EMERGENCY GENERATOR	
ABB GROUP	FRANCE
ANSALDO SISTEMI INDUSTRIALI	ITALY
LEROY SOMER	FRANCE
SIEMENS	GERMANY
TOSHIBA	JAPAN
2.18.3- EMERGENCY DIESEL GENERATOR	
MOHANDESIN RAAD	IRAN
SAZAND	IRAN
ASCOT INDUSTRIAL S.R.L	ITALY
2.19- MOBILE SUBSTATION	
IRAN TRANSFO	IRAN
FULMEN	IRAN
KERMAN TABLOUE	IRAN
SANE SHARGH	IRAN
TRANS POST PARS	IRAN
ABB GROUP	GERMANY
SIEMENS	GERMANY

COMPANY NAME

ORIGIN

2.20- COMPONENTS

2.20.1- PROTECTION RELAY

ABB GROUP	GERMANY
ALSTOM	FRANCE
GE	USA/UK
ICE	FRANCE
MICROELETTRICA SCIENTIFICA	ITALY
OMRON	JAPAN
SCHNIEDER ELECTRIC	FRANCE
SIEMENS	GERMANY
SCHTUK ELEKTRONIK	GERMANY

2.20.2- AUXILIARY RELAY

AEG	GERMANY
ARTECHE	SPAIN
FINDER	UK
GE	USA/UK
LEGRAND	FRANCE
OMRON	JAPAN
PHOENIX	GERMANY
SCHNIEDER ELECTRIC	FRANCE
SIEMENS	GERMANY
THYTRONIC	ITALY

2.20.3- CONTACTORS

ABB GROUP	GERMANY
AEG	GERMANY
FUJI	JAPAN
GE	USA/UK
HYUNDAI ELECTRIC & ENERGY SYSTEMS CO., LTD	SOUTH KOREA
MOELLER	GERMANY
SCHNIEDER ELECTRIC	FRANCE
SIEMENS	GERMANY

2.20.4- AUXILIARY CONTACTORS

AEG	GERMANY
FINDER	UK
GE	USA/UK
OMRON	JAPAN
PHOENIX	GERMANY
SCHNIEDER ELECTRIC	FRANCE
SIEMENS	GERMANY
THYTRONIC	ITALY

COMPANY NAME

ORIGIN

2.20.5- FUSE

RAAD	IRAN
ABB GROUP	GERMANY
AEG	GERMANY
ALSTOM	FRANCE
BUSSMAN	GERMANY
FERRAZ	FRANCE
GOLD	GERMANY
JUAN MOELLER	GERMANY
LEGRAND	FRANCE
SIBA	GERMANY
SIEMENS	GERMANY
SOCOMEK	FRANCE

2.20.6- SIGNAL LIGHT

RAAD	IRAN
ABB GROUP	GERMANY
ELFIN	ITALY
GE	USA/UK
SCHNIEDER ELECTRIC	FRANCE
SIEMENS	GERMANY

2.20.7- CONTROL SWITCH

ELECTRO KAVEH	IRAN
RAAD	IRAN
SANAT NOVIN ROYAN	IRAN
CEAG	GERMANY
GE	USA/UK
K&N	ITALY
MOELLER	GERMANY
SCHNIEDER ELECTRIC	FRANCE
SIEMENS	GERMANY

2.20.8- METERS

FASE	ITALY
FERRER	ITALY
ISKAVA	JAPAN
IME	ITALY
MITSUBISHI	JAPAN
SIEMENS	GERMANY

<i>COMPANY NAME</i>	<i>ORIGIN</i>
2.20.9- CIRCUIT BREAKER	
2.20.9.1- LV CIRCUIT BREAKER	
2.20.9.1.1- MINIATURE CB	
RAAD	IRAN
ABB GROUP	GERMANY
AEG	GERMANY
GE	UK
LEGRAND	FRANCE
mitsubishi	JAPAN
MOELLER	GERMANY
SCHNIEDER ELECTRIC	FRANCE
SIEMENS	GERMANY
UNELEC	FRANCE
2.20.9.1.2- MCCB	
TEHRAN PADENA	IRAN
ABB GROUP	GERMANY
AEG	GERMANY
FUJI	JAPAN
GE	UK
HYUNDAI ELECTRIC & ENERGY SYSTEMS CO., LTD	SOUTH KOREA
mitsubishi	JAPAN
SCHNIEDER ELECTRIC	FRANCE
SIEMENS	GERMANY
UNELEC	FRANCE
2.20.9.1.3- ACB	
TEHRAN PADENA	IRAN
ABB GROUP	GERMANY
AEG	GERMANY
FUJI	JAPAN
GE	UK
HYUNDAI ELECTRIC & ENERGY SYSTEMS CO., LTD	SOUTH KOREA
SCHNIEDER ELECTRIC	FRANCE
SIEMENS	GERMANY

COMPANY NAME

ORIGIN

2.20.9.2- MV CIRCUIT BREAKER

2.20.9.2.1- VACUUM

ABB GROUP	GERMANY
AEG	GERMANY
FUJI	JAPAN
GE	UK
HYUNDAI ELECTRIC & ENERGY SYSTEMS CO., LTD	SOUTH KOREA
SCHNIEDER ELECTRIC	FRANCE
SIEMENS	GERMANY

2.20.9.2.2- SF6

ABB GROUP	GERMANY
AEG	GERMANY
ALSTOM	FRANCE
GE	UK
SCHNIEDER ELECTRIC	FRANCE
SIEMENS	GERMANY

2.20.10- TRANSDUCER

FERRER	ITALY
GEC	FRANCE
IME	ITALY

2.20.11- CT's & PT's

ELECTRO PEJIVAK ARIAN	IRAN
MAG ELECTRIC	IRAN
ABB GROUP	GERMANY
ARTECHE	SPAIN
FERRER	ITALY
MITSUBISHI	JAPAN
SCHNIEDER ELECTRIC	FRANCE
SIEMENS	GERMANY
THYTRONIC	ITALY
WATTSUD	ITALY

2.20.12- TERMINALS

RAAD	IRAN
RAD IRAN	IRAN
CABUR	ITALY
MITSUBISHI	JAPAN
MOELLER	GERMANY
PHOENIX	GERMANY
SCHNIEDER ELECTRIC	FRANCE
SIEMENS	GERMANY

<i>COMPANY NAME</i>	<i>ORIGIN</i>
2.20.13- SPACE HEATER	
F.A.T.I. S.R.L	ITALY
GE	UK
MASTERWATT	ITALY
RESISTENCIAS TOPE SA	SPAIN
RITTAL	GERMANY
SCHNIEDER ELECTRIC	FRANCE
SIEMENS	GERMANY
THYTRONIC	ITALY
2.20.14- THERMOSTAT	
ATBIN	IRAN
BARTEC	GERMANY
KOBOLD	GERMANY
RITTAL	GERMANY
SAREL	ITALY
SIEMENS	GERMANY
2.20.15- LIGHTING LAMPS	
2.20.15.1- INCANDESCENT LAMP	
LAMP PARS SHAHAB	IRAN
GE	UK
OSRAM	GERMANY
PHILIPS	NETHERLANDS
TUNGSRAM	HUNGRY
2.20.15.2- MERCURY VAPOR LAMP	
SHAHAB TOUSHE	IRAN
GE	UK
OSRAM	GERMANY
PHILIPS	NETHERLANDS
2.20.15.3- SODIUM VAPOR LAMP	
SHAHAB TOUSHE	IRAN
OSRAM	GERMANY
PHILIPS	NETHERLANDS
2.20.15.4- FLOURESCENT LAMP	
LAMP PARS SHAHAB	IRAN
SANAYE ELECTRONIC AFRA TAB	IRAN
SHAHAB TOUSHE	IRAN
OSRAM	GERMANY
PHILIPS	NETHERLANDS

<i>COMPANY NAME</i>	<i>ORIGIN</i>
2.20.16- TIMER	
ABB GROUP	GERMANY
AEG	GERMANY
DOLD	GERMANY
OMRON	JAPAN
SCHNIEDER ELECTRIC	FRANCE
SIEMENS	GERMANY
2.20.17- CAPACITORS	
FARAKOH*	IRAN
PALAAYESH NIROO	IRAN
* Only LV	
2.20.18 FAULT / EVENT RECORDER	
PARDISSAN RAYANEH SYSTEM	IRAN
2.20.19- EXPLOSION PROOF ELECTRONIC BALLAST	
TAVAN OMRAN SANAT E SAMANEH	IRAN
2.20.20- TEST BLOCK	
ARTECHE	SPAIN
2.21- ELECTRICAL HEATER FOR PROCESS EQUIPMENT	
BORNA ELECTRONICS	IRAN
MABNA PISHEH	IRAN
ELMESS - Thermosystemtechnik GmbH	GERMANY
F.A.T.I. S.R.L	ITALY
KLOPPER - THERM GmbH	GERMANY
MASTERWATT	ITALY
RESISTENCIAS TOPE SA	SPAIN
2.22- MEASUREMENT CENTER	
BASET PAJOUH TEHRAN	IRAN

3.INSTRUMENTATION

3.INSTRUMENTATION

3.1- SYSTEM

- 3.1.1- DCS / FCS
- 3.1.2- DCS / FCS INTEGRATION
- 3.1.3- ADVANCED PROCESS CONTROL (APC)
- 3.1.4- OPERATOR TRAINING SIMULATE (OTS)
- 3.1.5- ESD SYSTEM
- 3.1.6- HIGH INTEGRATION PROTECTION SYSTEM (HIPS)
- 3.1.6.1- LINE BREAK VALVE (LBV)
- 3.1.7- BMS
- 3.1.8- BMS / ESD SYSTEM INTEGRATION
- 3.1.9- PLC
- 3.1.10- PLC INTEGRATION
- 3.1.11- TANK GAUGING SYSTEM (TGS)
- 3.1.12- CONTROL PANEL
- 3.1.13- MIMIC PANEL
- 3.1.14- CONTROLLER
- 3.1.15- SCADA / DATA LOGGER
- 3.1.16- SCADA / DATA LOGGER INTEGRATION
- 3.1.17- TELEMETERING REMOTE TERMINAL UNIT (RTU)
- 3.1.18- TELEMETERING RADIO
- 3.1.19- INDICATOR
- 3.1.20- RECORDER
- 3.1.21- ANNUNCIATION PANEL
- 3.1.22- MARSHALLING AND BARRIER CABINET
- 3.1.23- ISOLATING / BARRIER / REPEATER / AMPLIFIER
- 3.1.24- PERSONAL COMPUTER
- 3.1.25- PRINTER
- 3.1.26- VIBRATION MONITORING SYSTEM
- 3.1.27- CONDITION MONITORING SYSTEM
- 3.1.28- GOVERNOR / OVER SPEED PROTECTION
- 3.1.29- FLOW METERING STATION
- 3.1.30- FLOW METERING PROVER
- 3.1.31- LEAKAGE DETECTION SYSTEM
- 3.1.32- HUMAN MACHINE INTERFACE (HMI)

3.2- ON - LINE ANALYZER

- 3.2.1- GAS CHROMATOGRAPH
- 3.2.2- INFRARED ANALYZER
- 3.2.3- RAMAN ANALYZER
- 3.2.4- OXYGEN ANALYZER
- 3.2.5- OXYGEN ANALYZER (IN LIQUID)
- 3.2.6- H2 ANALYZER
- 3.2.7- MOISTURE ANALYZER (IN GAS)
- 3.2.8- MOISTURE ANALYZER (IN LIQUID)
- 3.2.9- SULPHUR ANALYZER (H2S, SOX, TAIL GAS)
- 3.2.10- CHLORINE ANALYZER
- 3.2.11- SILICA ANALYZER
- 3.2.12- AMMONIA ANALYZER (IN WATER)
- 3.2.13- PH METER
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- 3.2.16- ANALYZER INTEGRATION
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- 3.2.19- CH4 ANALYZER
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3.3- HSE EQUIPMENT

- 3.3.1- F & G SYSTEM
- 3.3.2- F & G SYSTEM INTEGRATION
- 3.3.3- GAS AND VAPOR DETECTOR
- 3.3.4- SMOKE DETECTOR
- 3.3.5- HEAT DETECTOR
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- 3.3.7- MANUAL CALL POINT
- 3.3.8- EMISSION MONITORING SYSTEM (EMS)
- 3.3.9- EMS INTEGRATION

3.4- FIELD DEVICE

- 3.4.1- DISPLACER TYPE LEVEL TRANSMITTER
- 3.4.2- CAPACITIVE TYPE LEVEL TRANSMITTER
- 3.4.3- RADIOACTIVE TYPE LEVEL TRANSMITTER
- 3.4.4- RADAR TYPE LEVEL TRANSMITTER
- 3.4.5- ULTRASONIC TYPE LEVEL TRANSMITTER
- 3.4.6- SERVO & FLOAT TYPE LEVEL TRANSMITTER
- 3.4.7- MAGNETIC LEVEL GAUGE
- 3.4.8- LEVEL GAUGE GLASS
- 3.4.9- LEVEL SWITCH (FLOAT & DISPLACER TYPE)
- 3.4.10- LEVEL SWITCH (TUNING FORK TYPE)
- 3.4.11- LEVEL SWITCH (CAPACITANCE TYPE)
- 3.4.12- LEVEL SWITCH (RADIOACTIVE TYPE)
- 3.4.13- CONTROL VALVE (GLOBE)
- 3.4.14- CONTROL VALVE (BALL)
- 3.4.15- CONTROL VALVE (BUTTERFLY)
- 3.4.16- CONTROL VALVE (ECCENTRIC PLUG)
- 3.4.17- CONTROL VALVE (ANGLE)
- 3.4.18- CONTROL VALVE (3 WAY)
- 3.4.19- CONTROL VALVE (NEEDLE VALVE)
- 3.4.20- DIAPHRAGM TYPE CONTROL VALVE
- 3.4.21- CONTROL VALVE POSITIONER
- 3.4.22- I/P, P/I & F/P CONVERTOR
- 3.4.23- MOTOR OPERATED VALVE
- 3.4.24- PRESSURE SELF REGULATING VALVE
- 3.4.25- TEMPERATURE SELF REGULATING VALVE
- 3.4.26- DESUPER HEATER
- 3.4.27- SAFETY VALVE
- 3.4.28- RUPTURE DISC
- 3.4.29- BREATHER VALVE
- 3.4.30- EMERGENCY VENT VALVE
- 3.4.31- DELUGE VALVE
- 3.4.32- ON / OFF VALVE (BALL)
- 3.4.33- ON / OFF VALVE (BUTTERFLY)
- 3.4.34- ON / OFF VALVE (ANGLE)
- 3.4.35- ON / OFF VALVE (GATE)
- 3.4.36- BOTTOM TANK VALVE
- 3.4.37- PNEUMATIC / HYDROLIC ACTUATOR
- 3.4.38- ELECTRICAL ACTUATOR
- 3.4.39- FILTER REGULATOR
- 3.4.40- SOLENOID VALVE
- 3.4.41- PROXIMITY SWITCH
- 3.4.42- PIG DETECTOR
- 3.4.43- VALVE LOCKING DEVICE
- 3.4.44- N₂ BLANKETING SYSTEM
- 3.4.45- MASS FLOWMETER (CORIOLIS TYPE)
- 3.4.46- MASS FLOWMETER (THERMAL TYPE)
- 3.4.47- ULTRASONIC FLOWMETER
- 3.4.47.1- ULTRASONIC FLOWMETER (LIQUID)
- 3.4.47.2- ULTRASONIC FLOWMETER (GAS)
- 3.4.47.3- FLOW COMPUTER

- 3.4.48- MAGNETIC FLOWMETER
- 3.4.49- VORTEX FLOWMETER
- 3.4.50- POSITIVE DISPLACEMENT METER
- 3.4.51- TURBINE METER
- 3.4.52- ROTAMETER
- 3.4.53- BULK FLOWMETER
- 3.4.54- FLOW SWITCH
- 3.4.55- ORIFICE PLATE
- 3.4.56- VENTURI TUBE AND NOZZLE
- 3.4.57- ANNUBAR
- 3.4.58- PRESSURE & TEMPERATURE GAUGE
- 3.4.59- PRESS. & TEMP. SWITCH
- 3.4.60- PRESS. & DIFFERENTIAL PRESS. TRANSMITTER
- 3.4.61- T/C, RTD & WELLS
- 3.4.62- TEMPERATURE TRANSMITTER
- 3.4.63- FIELD INDICATOR
- 3.4.64- JUNCTION BOX
- 3.4.64.1- EX-JUNCTION BOX
- 3.4.64.2- INDUSTRIAL – JUNCTION BOX
- 3.4.65- CABLE GLAND
- 3.4.66- INSTRUMENT CABLE
- 3.4.67- CABLE TRAY / LADDER
- 3.4.68- INSTRUMENT VALVE
- 3.4.69- DECOKE & CRACKED GAS VALVE
- 3.4.70- INSTRUMENT TUBE & FITTING
- 3.4.71- SPECIAL VALVES
- 3.4.72- VIBRATION PROBE
- 3.4.73- CONTROL VALVE (AXIAL)
- 3.4.74- ON / OFF VALVE (AXIAL)

COMPANY NAME

ORIGIN

3.1- SYSTEM

3.1.1- DCS / FCS

AMVAJE ABI*	IRAN
FARINEH FANAVAR	IRAN
KERMAN TABLOUE	IRAN
MOHANDESI VA SAKHT BARGH VA CONTROL MAPNA (MECO)	IRAN
SUBTEK KISH*	IRAN
ABB	GERMANY
AZBIL CORPORATION	JAPAN
EMERSON	UK / FRANCE
HONEYWELL INTL	ITALY / FRANCE / BELGIUM
MTL	UK
SIEMENS	GERMANY
SMAR	BRAZIL
YOKOGAWA	JAPAN / W.EUROPE

* ONLY FOR A PERIOD OF TWO YEARS.

3.1.2- DCS / FCS INTEGRATION

ASIA CONTROL PEY	IRAN
AZAR DAGHIGH IRANIAN (ADICO)	IRAN
CONTROL POOYAN	IRAN
CYBER SANAT	IRAN
ENERGY KAVIR PAYA	IRAN
FALCON	IRAN
FARANEGAR SANAT	IRAN
GOROOH SANATI FARINEH	IRAN
GOROOH SANATI PATSA	IRAN
IDEH GLOBAL KISH	IRAN
IROSCO CONTROL	IRAN
KERMAN TABLO	IRAN
KHADAMAT MOHANDESI SIMAN FARS VA KHUZESTAN	IRAN
MANABEH ENSANI VA MOHANDESI IRAS TARH	IRAN
MOHANDESI VA ABZAR DAGHIGH IDEH	IRAN
MOHANDESI VA SAKHT BARGH VA CONTROL MAPNA (MECO)	IRAN
NOVIN DANESH E AYANDEH	IRAN
PARS HASSAS	IRAN
PARS JAHF FANAVAR	IRAN
PETROFAN AVAR NIROU IRANIAN	IRAN
SIGMA GOSTAR ARIA	IRAN

3.1.3- ADVANCED PROCESS CONTROL (APC)

ASPENTECH	WEST EUROPE
AXENS	FRANCE
EMERSON	UK / FRANCE
HONEYWELL INTL	GERMANY
SHELL GLOBAL SOLUTION (SGS)	THE NETHERLANDS
YOKOGAWA	JAPAN / FRANCE

3.1.4- OPERATOR TRAINING SIMULATOR (OTS)

GOSTARESH FARAYANDE SHARIF	IRAN
ASPENTECH	W. EUROPE
AXENS	FRANCE

COMPANY NAME	ORIGIN
3.1.5- ESD SYSTEM	
ABB	UK / GERMANY / W.EUROPE
EMERSON	UK / FRANCE
GEBHARDT AUTOMATION GMBH	GERMANY
HIMA	GERMANY
HONEYWELL FSC	BELGIUM
ICS TRIPLEX	UK
PILZ	GERMANY
ROTORK	FRANCE
SAFETEC	ITALY
SIEMENS	GERMANY
YOKOGAWA	THE NETHERLANDS / JAPAN

3.1.6- HIGH INTEGRATION PROTECTION SYSTEM (HIPS)	
HIMA	GERMANY
ICS-TRIPLEX	UK
PALADON SYSTEMS Ltd.	UK
PRO CONTROL S.R.L	ITALY
SAFETEC	ITALY
TRICONEX	UK
YOKOGAWA	JAPAN

3.1.6.1- LINE BREAK VALVE (LBV)	
CYBER SANAT	IRAN

3.1.7- BMS	
ALLEN BRADLEY	BELGIUM / W. EUROPE
EMERSON	UK / FRANCE
GROUP SCHNEIDER	GERMANY / FRANCE
HIMA	GERMANY
HONEYWELL	GERMANY
ICS TRIPLEX	UK
JOHN ZINK	USA / W.EUROPE
OMRON	JAPAN
PILZ	GERMANY
SAFETEC	ITALY
SIEMENS	GERMANY

3.1.8- BMS / ESD SYSTEM INTEGRATION	
ASIA CONTROL PEY	IRAN
AZAR DAGHIGH IRANIAN	IRAN
CONTROL POOYAN	IRAN
CYBER SANAT	IRAN
ENERGY KAVIR PAYA	IRAN
GOROOH SANATI PATSA	IRAN
HANIF	IRAN
IDEH GLOBAL KISH	IRAN
KERMAN TABLOUE	IRAN
MANABEH ENSANI VA MOHANDESI IRAS TARH	IRAN
MOHANDESI BARGH CONTROL VA ABZARDAGHIGH IDEH	IRAN
NOVIN DANESH E AYANDEH	IRAN
PARS JAHD FANAVAR	IRAN
PETROFAN AVAR NIROU IRANIAN	IRAN
SIGMA GOSTAR ARYA	IRAN
TIMA KALA TEHRAN	IRAN

COMPANY NAME

ORIGIN

3.1.9- PLC

CONTRONIC	IRAN
ALLEN BRADLEY	BELGIUM
GE FANUC	UK / W.EUROPE
GROUP SCHNEIDER	GERMANY
HIMA	GERMANY
HONEYWELL	GERMANY
MITSUBISHI	JAPAN
OMRON	JAPAN
PILZ	GERMANY
SIEMENS	GERMANY
TOSHIBA	JAPAN
WIKA ALEXANDER WIEGAND SE&CO	GERMANY

3.1.10- PLC INTEGRATION

ASIA CONTROL PEY	IRAN
AZAR DAGHIGH IRANIAN	IRAN
CONTRONIC	IRAN
CYBER SANAT	IRAN
ENERGY KAVIR PAYA	IRAN
FALCON	IRAN
FARAMOWJ POUYA	IRAN
FARARAVESH	IRAN
FARAYAND PARDAZ	IRAN
FARS SCOUT	IRAN
GOROOH SANATI FARINEH	IRAN
GOROOH SANATI PATSA	IRAN
HANIF	IRAN
HESCO	IRAN
KERMAN TABLO	IRAN
MANABEH ENSANI VA MOHANDESI IRAS TARH	IRAN
MOHANDESI VA ABZAR DAGHIGH IDEH	IRAN
NOVIN DANESH E AYANDEH	IRAN
PARS JAHD FANAVAR	IRAN
PAYKAR BONYAN	IRAN
KHADAMAT MOHANDESI SIMAN FARS VA KHUZESTAN	IRAN
SIGMA GOSTAR ARYA	IRAN
TALIRAN	IRAN
TAM IRAN KHODRO	IRAN
TAVAN AZMAYAN	IRAN

3.1.11- TANK GAUGING SYSTEM (TGS)

EMKOMETER	CZECH
ENDRESS & HAUSER	GERMANY / W.EUROPE
HONEYWELL ENRAF	THE NETHERLANDS / W.EUROPE
KROHNE	GERMANY / W.EUROPE
MOTHERWELL CONTROL SYSTEM	UK
SAAB ROSEMONT	SWEDEN / W. EUROPE
SAKURA ENDRESS	JAPAN / W.EUROPE
WHESSOE VAREC	UK / W.EUROPE

<i>COMPANY NAME</i>	<i>ORIGIN</i>
3.1.12- CONTROL PANEL	
CONTRONIC	IRAN
FALCON	IRAN
FARANEGAR SANAT	IRAN
FARARAVESH	IRAN
FARS SCOUT	IRAN
GOROOH SANATI FARINEH	IRAN
GOROOH SANATI PATSA	IRAN
HANIF	IRAN
HESCO	IRAN
KERMAN TABLO	IRAN
MANABEH ENSANI VA MOHANDESI IRAS TARH	IRAN
MOHANDESI VA ABZAR DAGHIGH IDEH	IRAN
NOVIN DANESH E AYANDEH	IRAN
PARS HASSAS	IRAN
TABLO FAZ	IRAN
TALIRAN	IRAN
TOLIDE MALZOOMATE BARGH	IRAN
ABB	GERMANY
AST	ITALY
AZBIL CORPORATION	JAPAN
SIEMENS	GERMANY
YOKOGAWA	JAPAN / W.EUROPE

3.1.13- MIMIC PANEL	
KERMAN TABLO	IRAN
NOVIN DANESH E AYANDEH	IRAN
PARS HASSAS	IRAN
RAHPOUYAN ANDISHEH DENA	IRAN
TALIRAN	IRAN

3.1.14- CONTROLLER	
ATBIN	IRAN
ABB	GERMANY
AZBIL CORPORATION	JAPAN
EMERSON	UK / FRANCE
EUROTHERM	UK
FLUIDWELL BV	NEDERLANDS
FUJI	JAPAN
HONEYWELL	W. EUROPE
YOKOGAWA	JAPAN / W.EUROPE

<i>COMPANY NAME</i>	<i>ORIGIN</i>
3.1.15- SCADA / DATA LOGGER	
FARINEH FANAVAR	IRAN
ABB	GERMANY
EMERSON	UK / FRANCE
FLUIDWELL BV	NEDERLANDS
FUJI	JAPAN
HITACHI	JAPAN
HONEYWELL	GERMANY
IDS GmbH	GERMANY
YOKOGAWA	JAPAN / W.EUROPE

3.1.16- SCADA / DATA LOGGER INTEGRATION	
CONTRONIC	IRAN
CYBER SANAT	IRAN
ENERGY KAVIR PAYA	IRAN
GOROOH SANATI PATSA	IRAN
ITA	IRAN
KERMAN TABLO	IRAN
MICRO MOJ	IRAN
PARS JAHD FANAVAR	IRAN
PARVARESH DADEHHA	IRAN
SIGMA GOSTAR ARIA	IRAN
TALIRAN	IRAN
TAM IRAN KHODRO	IRAN
TAVAN AZMAYAN	IRAN

3.1.17- TELEMETERING REMOTE TERMINAL UNIT (RTU)	
IRAN MADAR	IRAN
KERMAN TABLO	IRAN
MICRO ELECTRONIC	IRAN
TALIRAN	IRAN
ABB	W. EUROPE
CONTROL MICRO SYSTEM	CANADA
EMERSON	W. EUROPE
FUJI	JAPAN
HITACHI	JAPAN
IDS GmbH	GERMANY
YOKOGAWA	JAPAN / W.EUROPE

3.1.18- TELEMETERING RADIO	
MIKRO ELECTRONIC	IRAN
ABB GROUP	GERMANY
CONTROL MICRO SYSTEM	GERMANY
FUJI	JAPAN
HITACHI	JAPAN
SIAE	ITALY
TRIO	AUSTRALIA

<i>3.1.19- INDICATOR</i>	COMPANY NAME	ORIGIN
	ATBIN	IRAN
	IRAN MADAR	IRAN
	KERMAN TABLO	IRAN
	PARS HASSAS	IRAN
	SA IRAN	IRAN
	SANAYE ELECTRONIC SHIRAZ	IRAN
	ABB	GERMANY
	AZBIL CORPORATION	JAPAN
	EMERSON	UK / FRANCE
	EMKOMETER	CZECH
	EUROTHERM	UK
	FLUIDWELL BV	NEDERLANDS
	FUJI	JAPAN
	HONEYWELL	W.EUROPE
	WIKA ALEXANDER WIEGAND SE&CO	GERMANY
	YOKOGAWA	JAPAN / W.EUROPE

<i>3.1.20- RECORDER</i>	COMPANY NAME	ORIGIN
	PARS JAHD	IRAN
	ABB	GERMANY
	AZBIL CORPORATION	JAPAN
	BARTON	UK
	CHESSELL	GERMANY
	EMERSON	UK / FRANCE
	EUROTHERM	UK
	FUJI	JAPAN
	HONEYWELL	W.EUROPE
	METROWATT	GERMANY
	STIKO MEETAPPARATENFABRIEK BV	NETHERLANDS
	YOKOGAWA	JAPAN / W.EUROPE

<i>3.1.21- ANNUNCIATION PANEL</i>	COMPANY NAME	ORIGIN
	FARARAVESH	IRAN
	KERMAN TABLO	IRAN
	PARDISSAN	IRAN
	PARS HASSAS	IRAN
	TALIRAN	IRAN
	TRADIS	IRAN
	AST	ITALY
	HIMA	GERMANY
	IDEC (IZUMI)	JAPAN
	KIMDEN	JAPAN
	OMRON	JAPAN
	PANALARM	W. EUROPE
	ROCHESTER	W. EUROPE
	RONAN	UK
	YOKOGAWA	JAPAN / W.EUROPE

COMPANY NAME	ORIGIN
3.1.22- MARSHALLING AND BARRIER CABINET	
CONTRONIC	IRAN
FARANEGAR SANAT	IRAN
FARARAVESH	IRAN
FARS SCOUT	IRAN
GHESHM VOLTAGE	IRAN
GOROOH SANATI FARINEH	IRAN
GOROOH SANATI PATSA	IRAN
HANIF	IRAN
HESCO	IRAN
KERMAN TABLO	IRAN
MANABEH ENSANI VA MOHANDESI IRAS TARH	IRAN
MOHANDESI VA ABZAR DAGHIGH IDEH	IRAN
NOVIN DANESH E AYANDEH	IRAN
PAYKAR BONYAN	IRAN
TABLO FAZ	IRAN
TALIRAN	IRAN
TAVAN AZMAYAN	IRAN
ABB	GERMANY
AST	ITALY
INDUSTRONIC	GERMANY
MITSUBISHI	JAPAN
RICHARDSON	UK
SIEMENS	GERMANY
STAHL	GERMANY
3.1.23- ISOLATING / BARRIER / REPEATER / AMPLIFIER	
BARTECH	W.EUROPE
EMKOMETER	CZECH
GM INTERNATIONAL	ITALY
HAWKE	UK
MTL	UK
PEPPERL & FUCHS	GERMANY
PR ELECTRONIC	DENMRK
REGULATEURS GEORGIN	FRANCE
STAHL	GERMANY
TURCK	UK

COMPANY NAME	ORIGIN
3.1.24- PERSONAL COMPUTER	
GOROOH SANATI PATSA / ADAVANTECH	IRAN / UK
COMPAQ	USA / W.EUROPE
DELL	UK
FUJITSU SIEMENS	JAPAN / GERMANY
HIGH SCREEN	GERMANY
HP	W.EUROPE
KONTRON	GERMANY
MICRO SYSTEM	UK
PANASONIC	JAPAN
PHILIPS	THE NETHERLANDS
SHARP	JAPAN
SONY	JAPAN
TOSHIBA	JAPAN
3.1.25- PRINTER	
EPSON	GERMANY / UK
HP	W.EUROPE
KODAK	JAPAN
LG	KOREA
SAMSUNG	KOREA
SHARP	JAPAN
3.1.26- VIBRATION MONITORING SYSTEM	
BENTLY NEVADA	W.EUROPE
BRUEL & KJAER	GERMANY
EPRO	GERMANY
PROGNOST SYSTEMS GmbH	GERMANY
SCHENCK	GERMANY
SEASONICS	UK
SHINKAWA	JAPAN
VIBROMETER	SWISS
3.1.27- CONDITION MONITORING SYSTEM	
BENTLY NEVADA	W.EUROPE
BRUEL & KJAER	GERMANY
EPRO	GERMANY
PROGNOST SYSTEMS GmbH	GERMANY
SCHENCK	GERMANY
SEASONICS	UK
SHINKAWA	JAPAN
VIBROMETER	SWISS
3.1.28- GOVERNOR / OVER SPEED PROTECTION	
SIEMENS	GERMANY
WOODWARD	UK

COMPANY NAME	ORIGIN
3.1.29- FLOW METERING STATION	
ASIA ABZAR DAGHIGH	IRAN
FANAVARI & MASHIN SAZI E CHIRE (SAMIL)	IRAN
FARAMOWJ POUYA	IRAN
REZVAN GOSTARE TEHRAN	IRAN
TAHLILGARAN CONTROL FARAYAND (SOCRATE)	IRAN
ALDERLEY	UK
AO SMITH	USA / W.EUROPE
BOPP & REUTHER	W.EUROPE
EMERSON	UK
FORES ENGINEERING S.R.L	ITALY
INSTROMET	THE NETHERLANDS
INT SRL	ITALY
ODS Metering Systems B.V.	NETHERLANDS
OVAL	JAPAN
PETROL INSTRUMENTS SRL	ITALY
PETROMAX	UK
PROGETTI	ITALY
SAMIL INDUSTRY CO.	SOUTH KOREA
SMS	UK
SOCRATE	ITALY
VENTECH	GERMANY
WHITELY ENG.	UK

* For custody transfer applications and the same by Iranian Vendors, Refer to "Office of Supervision on Oil Exports" List. (www.mop.ir)

3.1.30- FLOW METERING PROVER	
ASIA ABZAR DAGHIGH	IRAN
REZVAN GOSTARE TEHRAN	IRAN
ALDERLEY	UK
INSTROMET	THE NETHERLANDS
OVAL	JAPAN
PETROL INSTRUMENTS SRL	ITALY

3.1.31- LEAKAGE DETECTION SYSTEM	
ABB	GERMANY
ATMOSI	UK
EMKOMETER	CZECH
KROHNE OIL & GAS	THE NETHERLANDS
SEIC	ITALY

3.1.32- HUMAN MACHINE INTERFACE (HMI)	
FARINEH FANAVAR	IRAN
KERMAN TABLOUE	IRAN

3.1.33- WIRELESS INSTRUMENT	
EMERSON	W. EUROPE

3.2- ON - LINE ANALYZER

3.2.1- GAS CHROMATOGRAPH	
ABB	UK / GERMANY
SICK	GERMANY
SIEMENS	GERMANY
YOKOGAWA	JAPAN

COMPANY NAME	ORIGIN
3.2.2- INFRARED ANALYZER	
ABB	UK / GERMANY
EMERSON	UK / FRANCE
SERVOMEX	UK
SICK	GERMANY
SIEMENS	GERMANY
YOKOGAWA	JAPAN
3.2.3- RAMAN ANALYZER	
EMERSON	UK / FRANCE
HORIBA (JOBIN VYON)	FRANCE
3.2.4- OXYGEN ANALYZER	
ABB	UK / GERMANY
AP2E	FRANCE
EMERSON	UK
ENDRESS & HAUSER	GERMANY
ENOTEC	GERMANY
FUJI	JAPAN
MSA	THE NETHERLANDS
OXITECH	W.EUROPE
PANAMETRICS	W.EUROPE
RB-TECHNOLOGIES	FRANCE
SERVOMEX	UK
SICK	GERMANY
SIEMENS	GERMANY
SYSTEC	W.EUROPE
YOKOGAWA	JAPAN
3.2.5- OXYGEN ANALYZER (IN LIQUID)	
ABB	UK / GERMANY
ATI	UK
Dr. THEIDIG	GERMANY
EMERSON	UK / FRANCE
ENDRESS & HAUSER	GERMANY
GO SYSTEMELEKTRONIK GMBH*	GERMANY
POLY METRON	FRANCE
YOKOGAWA	JAPAN
* ONLY FOR WATER APPLICATION.	
3.2.6- H₂ ANALYZER	
ABB	UK / GERMANY
AP2E	FRANCE
EMERSON	UK / FRANCE
SERVOMEX	UK
SIEMENS	GERMANY
YOKOGAWA	JAPAN

COMPANY NAME	ORIGIN
3.2.7- MOISTURE ANALYZER (IN GAS)	
BARTEC	GERMANY
BERTHOLD TECHNOLOGIES	GERMANY
EMERSON	UK / FRANCE
IMA	UK
PANAMETRICS	UK
ROTRONIK	JAPAN
SHIRAKAWA	JAPAN
SHAW	UK
SICK	GERMANY
SIEMENS	GERMANY
YOKOGAWA	JAPAN

3.2.8- MOISTURE ANALYZER (IN LIQUID)	
ABB	UK / GERMANY
BERTHOLD TECHNOLOGIES	GERMANY
PANAMETRICS	UK
SERVOMEX	UK
SIEMENS	GERMANY
YOKOGAWA	JAPAN

3.2.9- SULPHUR ANALYZER (H2S / SOX / TAIL GAS)	
ABB	UK / GERMANY
AMETEC	GERMANY
AP2E	FRANCE
DELMAR	FRANCE
EMERSON	UK
GALVANIC APPLIED SCIENCE	CANADA
MAIHAK	W.EUROPE
NOVACHEM	W.EUROPE
ONYX TRACKER	UK
SERVOMEX	UK
SICK	GERMANY
SIEMENS	GERMANY
YOKOGAWA	JAPAN

3.2.10- CHLORINE ANALYZER	
ATI	UK
AP2E	FRANCE
EMERSON	UK / FRANCE
ENDRESS & HAUSER	GERMANY
GO SYSTEMELEKTRONIK GMBH*	GERMANY
JESCO	GERMANY
POLY METRON	FRANCE
YOKOGAWA	JAPAN

* ONLY FOR WATER APPLICATION.

3.2.11- SILICA ANALYZER	
ENDRESS & HAUSER	GERMANY
GO SYSTEMELEKTRONIK GMBH*	GERMANY
POLY METRON	FRANCE
SWAN	SWITZERLAND

* ONLY FOR WATER APPLICATION.

COMPANY NAME	ORIGIN
3.2.12- AMMONIA ANALYZER (IN WATER)	
ABB	GERMANY / UK
Dr. LANGE	GERMANY
GO SYSTEMELEKTRONIK GMBH*	GERMANY

* ONLY FOR WATER APPLICATION.

3.2.13- PH METER	
ABB	UK / GERMANY
ATI	UK
DKK	JAPAN
EMERSON	UK / FRANCE
ENDRESS & HAUSER	GERMANY
GO SYSTEMELEKTRONIK GMBH*	GERMANY
HORIBA	JAPAN
IC CONTROL	W.EUROPE
LISLEMETRIK	GERMANY
METTLER TOLEDO	SWITZERLAND
POLY METRON	FRANCE
SERVOMEX	UK
SIEMENS	GERMANY
SWAN	SWITZERLAND
YOKOGAWA	JAPAN

* ONLY FOR WATER APPLICATION.

3.2.14- CONDUCTIVITY METER	
ABB	UK / GERMANY
ATI	UK
BOPP & REUTHER	UK
DKK	JAPAN
EMERSON	UK / FRANCE
ENDRESS & HAUSER	GERMANY
GO SYSTEMELEKTRONIK GMBH*	GERMANY
HORIBA	JAPAN
IC CONTROL	W.EUROPE
IGEMA GMBH (only for water & steam)	GERMANY
LISLEMETRIK	GERMANY
METTLER TOLEDO	SWITZERLAND
PEEK MEASUREMENT	UK
POLY METRON	FRANCE
SERVOMEX	UK
SIEMENS	GERMANY
SWAN	SWITZERLAND
THEIS	THE NETHERLANDS
YOKOGAWA	JAPAN

* ONLY FOR WATER APPLICATION.

3.2.15- TURBIDITY / COLOR METER	
ATI	UK
EMERSON	UK / FRANCE
GO SYSTEMELEKTRONIK GMBH*	GERMANY
LISLEMETRIK	GERMANY
NOVATEC	UK

* ONLY FOR WATER APPLICATION.

	COMPANY NAME	ORIGIN
3.2.16- ANALYZER INTEGRATION		
	CONTROL POOYAN	IRAN
	FONOONE BARTARE TAV	IRAN
	MEHR KANAZ	IRAN
	PIRAMOON SYSTEM QESHM	IRAN
	RAHBORDHAYE HOOSHMAND	IRAN
	SANDROOS SANAT	IRAN
	SIMA MEHR	IRAN
	TAHLILGARAN CONTROL FARAYAND	IRAN
	ZIST ANDISH PISHGAM	IRAN
	ABB	W.EUROPE
	CEGELEC	FRANCE
	FORES ENGINEERING S.R.L	ITALY
	HOBRE	NETHERLANDS
	INT S.R.L	ITALY
	TAECHIN SMET CORPORATION	SOUTH KOREA
3.2.17- DENSITY METER		
	BERTHOLD TECHNOLOGIES	GERMANY
	EMERSON	UK / FRANCE
	ENDRESS & HAUSER	GERMANY
	LEMIS BALTIC	LATVIA
3.2.18- TOTAL HYDROCARBON ANALYZER		
	AP2E	FRANCE
	GO SYSTEMELEKTRONIK GMBH*	GERMANY
	SICK	GERMANY
	SIEMENS	GERMANY
	* ONLY FOR WATER APPLICATION.	
3.2.19- CH4 ANALYZER		
	EMERSON	UK / FRANCE
	SICK	GERMANY
3.2.20- ALUMINIUM ALKYL ANALYZER		
	JESCO	GERMANY
	SIEMENS	GERMANY
3.2.21- SAMPLING SYSTEM		
	DOEDIJNS	NETHERLANDS
	FORES ENGINEERING S.R.L	ITALY
	INT S.R.L	ITALY
	KIMMAN PROCESS SOLUTIONS B.V.(KPS B.V)	NETHERLANDS
3.3- HSE EQUIPMENT		
3.3.1- F & G SYSTEM		
	APOLLO	UK / W.EUROPE
	ANSUL	UK
	ATRONICA	NORWAY
	BLACK FIRE	CANADA
	CHUBB FIRE	UK / W.EUROPE
	CROWCON	UK / W.EUROPE
	DETECTOMAT	W.EUROPE
	DRAEGER	GERMANY / W.EUROPE

COMPANY NAME	ORIGIN
G.F.G	GERMANY
GEBHARDT AUTOMATION GMBH	GERMANY
GENERAL MONITOR	UK / W.EUROPE
KIDDE	ITALY / W.EUROPE
HOCKE	JAPAN
MINIMAX	UK / W.EUROPE
PREUSSAG	UK / W.EUROPE
SAFETEC	ITALY
SANCO FIRE PROTECTION AND SAFETY TECHNOLOGY	ITALY
SES ENSER	ITALY / W.EUROPE
SIEMENS	GERMANY / W.EUROPE
SILVANI	ITALY / W.EUROPE
SILVERTEC	UK
TOTAL WALTHER	GERMANY

3.3.2- F & G SYSTEM INTEGRATION

ASIA CONTROL PEY	IRAN
CONTROL POOYAN	IRAN
CYBER SANAT	IRAN
ENERGY KAVIR PAYA	IRAN
FONON BARTAR TAV	IRAN
NOVIN DANESH E AYANDEH	IRAN
IDEH GLOBAL KISH	IRAN
KERMAN TABLOUE	IRAN
MOHANDESI BARGH CONTROL VA ABZARDAGHIGH IDEH	IRAN
NARFOAMKAR	IRAN
PARS JAH D FANAVAR	IRAN
PETROFAN AVAR NIROU IRANIAN	IRAN
SARIAK	IRAN
SIGMA GOSTAR ARYA	IRAN
SPIN ELECTRIC	IRAN
TIMA KALA TEHRAN	IRAN

3.3.3- GAS AND VAPOR DETECTOR

COMPUTER MONITOR	GERMANY
CROWCON	UK / W.EUROPE
DELTA CONTROLS LIMITED	UK
DRAEGER	GERMANY / W.EUROPE
FENWAL	UK / W.EUROPE
GASTEC	JAPAN
GENERAL MONITOR	UK / W.EUROPE
GFG	GERMANY / W.EUROPE
MSA	USA
OLDHAM	W.EUROPE
PHOTAIN	UK / W.EUROPE
PREUSSAG	UK / W.EUROPE
SES ENSER	ITALY / W.EUROPE
SILVANI	FRANCE / W.EUROPE
SILVERTEC	UK
SIMTRONICS	NORWAY
SKC	USA
ZELLWEGER	GERMANY / W.EUROPE

	COMPANY NAME	ORIGIN
3.3.4- SMOKE DETECTOR		
	APOLLO	UK / W.EUROPE
	CHUBB	UK / W.EUROPE
	CROWCON	UK / W.EUROPE
	DETECTOMAT	GERMANY / W.EUROPE
	HOCHIKI EUROPE	UK
	FIGGIE	ITALY / W.EUROPE
	GENERAL MONITOR	UK / W.EUROPE
	MINIMAX	UK / W.EUROPE
	PHOTAIN	UK / W.EUROPE
	PREUSSAG	UK / W.EUROPE
	THORN	UK / W.EUROPE
3.3.5- HEAT DETECTOR		
	APOLLO	UK / W.EUROPE
	CHUBB	UK / W.EUROPE
	CROWCON	UK / W.EUROPE
	DETECTOMAT	GERMANY / W.EUROPE
	HOCHIKI EUROPE	UK
	FIGGIE	ITALY / W.EUROPE
	GENERAL MONITOR	UK / W.EUROPE
	MINIMAX	UK / W.EUROPE
	PHOTAIN	UK / W.EUROPE
	PREUSSAG	UK / W.EUROPE
	THORN	UK / W.EUROPE
3.3.6- FLAME DETECTOR		
	APOLLO	UK / W.EUROPE
	CROWCON	UK / W.EUROPE
	DETECTOMAT	GERMANY / W.EUROPE
	GENERAL MONITOR	UK / W.EUROPE
	HOCHIKI EUROPE	UK
	MINIMAX	UK / W.EUROPE
	PHOTAIN	UK / W.EUROPE
	PREUSSAG	UK / W.EUROPE
	RAMZY	ITALY
3.3.7- MANUAL CALL POINT		
	BARTEC	FRANCE / GERMANY
	HOCHIKI EUROPE	UK
	STAHL	GERMANY
	THORN	UK
3.3.8- EMISSION MONITORING SYSTEM (EMS)		
	AP2E	FRANCE
	CROWCON	UK / W.EUROPE
	DURAG	GERMANY
	ENVIRONMENTS A	FRANCE

COMPANY NAME	ORIGIN
3.3.9- EMS INTEGRATION	
ZIST ANDISH PISHGAM	IRAN
AP2E	FRANCE
3.4- FIELD DEVICE	
3.4.1- DISPLACER TYPE LEVEL TRANSMITTER	
AZBIL CORPORATION	JAPAN
DRESSER (MASONILAN)	W.EUROPE
EMKOMETER	CZECH
EMERSON	W.EUROPE
FOX BORO	USA / W.EUROPE
LEAM S.R.L	ITALY
MAGNETROL	USA / W.EUROPE
MORITAN	JAPAN
SPRIANO TECHNOLOGIES SRL (TERANOVA GROUP)	ITALY
TAKROL	UK
TOKYO KEISO	JAPAN
3.4.2- CAPACITIVE TYPE LEVEL TRANSMITTER	
EMKOMETER	CZECH
ENDRESS & HAUSER	GERMANY / W.EUROPE
IGEMA GMBH (only for water & steam)	GERMANY
TOKYO KEISO	JAPAN
VEGA	GERMANY / W.EUROPE
3.4.3- RADIOACTIVE TYPE LEVEL TRANSMITTER	
BERTHOLD	GERMANY / W.EUROPE
ENDRESS & HAUSER	GERMANY / W.EUROPE
MOTOYAMA	JAPAN / W.EUROPE
OHMART	JAPAN / W.EUROPE
PANAMETRIC	JAPAN / W.EUROPE
3.4.4- RADAR TYPE LEVEL TRANSMITTER	
EMKOMETER	CZECH
ENDRESS & HAUSER	GERMANY / W.EUROPE
FLUIDWELL BV	NEDERLANDS
HONEYWELL ENRAF	THE NETHERLANDS / W.EUROPE
KROHNE	GERMANY / W.EUROPE
SAAB ROSEMONT	SWEDEN / W.EUROPE
SAKURA ENDRESS	JAPAN / W.EUROPE
VEGA	GERMANY / W.EUROPE
WHESSOE VAREC	UK / W.EUROPE
3.4.5- ULTRASONIC TYPE LEVEL TRANSMITTER	
EMKOMETER	CZECH
ENDRESS & HAUSER	GERMANY / W.EUROPE
KDG MOBREY	UK
KROHNE	GERMANY / W.EUROPE
MAGNETROL	USA / W.EUROPE
MILTRONIC	GERMANY / W.EUROPE
VEGA	GERMANY / W.EUROPE

COMPANY NAME	ORIGIN
3.4.6- SERVO & FLOAT TYPE LEVEL TRANSMITTER	
DELTA CONTROLS LIMITED	UK
EMKOMETER	CZECH
ENDRESS & HAUSER	GERMANY
PHONIX & KSR KUEBLER (WIKA GROUP)	GERMANY
HONEYWELL ENRAF	THE NETHERLANDS / W.EUROPE
TOKYO KEISO	JAPAN
VEGA	GERMANY / W.EUROPE
WHESSOE VAREC	UK
3.4.7- MAGNETIC LEVEL GAUGE	
ESHTE'AL ARAK	IRAN
EYVAZ TECHNIC	IRAN
EMKOMETER	CZECH
IGEMA GMBH (only for water & steam)	GERMANY
SANAYE CONTROLI HASSAS	IRAN
TEHRAN DELIK	IRAN
BONETTI	ITALY / W.EUROPE
KROHNE	GERMANY / W.EUROPE
MAGNETROL	USA / W.EUROPE
PHONIX (WIKA GROUP)	GERMANY
SAMIL INDUSTRY CO.	SOUTH KOREA
SPRIANO TECHNOLOGIES SRL (TERANOVA GROUP)	ITALY
TC KLINGER	UK / W.EUROPE
WEKA INSTRUMENT	GERMANY / W.EUROPE
WISE CONTROL INC.	SOUTH KOREA
3.4.8- LEVEL GAUGE GLASS	
SANAYE CONTROLI HASSAS	IRAN
BONETTI	ITALY / W.EUROPE
EMKOMETER	CZECH
MAGNETROL	USA / W.EUROPE
NIHON	JAPAN
PHONIX (WIKA GROUP)	GERMANY
SAMIL INDUSTRY CO.	SOUTH KOREA
SPRIANO TECHNOLOGIES SRL (TERANOVA GROUP)	ITALY
TC KLINGER	UK / W.EUROPE
TOKYO KEISO	JAPAN
WISE CONTROL INC.	SOUTH KOREA
3.4.9- LEVEL SWITCH (FLOAT & DISPLACER TYPE)	
ESHTE'AL ARAK	IRAN
EYVAZ TECHNIC	IRAN
IGEMA GMBH (only for water & steam)	GERMANY
TEHRAN DELIK	IRAN
ANALYTIC	GERMANY / W.EUROPE
BESTA	SWITZERLAND
DELTA CONTROLS LIMITED	UK
EMKOMETER	CZECH
ENDRESS & HAUSER	GERMANY / W.EUROPE
JUCKER	UK / W.EUROPE
KOBOLD	W.EUROPE
LABKO	FINLAND
MAGNETROL	USA / W.EUROPE
OFFICINE OROBICHE	ITALY
PHONIX (WIKA GROUP)	GERMANY
SPRIANO TECHNOLOGIES SRL (TERANOVA GROUP)	ITALY
TOKYO KEISO	JAPAN
WISE CONTROL INC.	SOUTH KOREA
3.4.10- LEVEL SWITCH (TUNING FORK TYPE)	
EMKOMETER	CZECH
ENDRESS & HAUSER	GERMANY / W.EUROPE
VEGA	GERMANY / W.EUROPE

COMPANY NAME	ORIGIN
3.4.11- LEVEL SWITCH (CAPACITANCE TYPE)	
EMKOMETER	CZECH
ENDRESS & HAUSER	GERMANY / W.EUROPE
IGEMA GMBH (only for water & steam)	GERMANY
TOKYO KEISO	JAPAN
VEGA	GERMANY / W.EUROPE
3.4.12- LEVEL SWITCH (RADIOACTIVE TYPE)	
BERTHOLD	GERMANY
ENDRESS & HAUSER	GERMANY / W.EUROPE
OHMART	JAPAN / W.EUROPE
PANAMETRICS	JAPAN / W.EUROPE
3.4.13- CONTROL VALVE (GLOBE)	
BEHBOOD FARAYAND RADMAN	IRAN
BORNA SANAT TOOS	IRAN
RASTA GROUP GHESHM	IRAN
ARCA REGLER GMBH	GERMANY
ARI-ARMATUREN ALBERT RICHTER GmbH&Co.KG	GERMANY
ASAHI	JAPAN
AZBIL CORPORATION	JAPAN
BFS INCORPORATION	SOUTH KOREA
BURKERT	GERMANY
CCI	SWITZERLAND
DRESSER	GERMANY / W.EUROPE
EMERSON	ITALY
FLOW STREAM INTERNATIONAL LTD.	UK
FLOWSERVE CORPORATION	W.EUROPE
GREEN CONTROL srl.	ITALY
KOPECS CO. LTD	SOUTH KOREA
KOREA MOTOYAMA Inc. (KOMOTO)	SOUTH KOREA
KSB	GERMANY
MANKENBER	GERMANY
MASCOT VALVES PVT LTD	AUSTRALIA
METSO FLOW CONTROL (INTERNATIONAL)	FINLAND
MOTOYAMA	JAPAN
NIHON KOSO CO. LTD	JAPAN
OVERSEAS ENGINEERING AM	SWITZERLAND
PARCOL S.P.A	ITALY
RMT VALVOMECANICCA S.R.L	ITALY
SAMSON	GERMANY
SCHUF ARMATUREN & APPARATEBAU GmbH	GERMANY
SEOJEON VALMAC Co. LTD	SOUTH KOREA
SEVERN GLOCON	UK
S&S VALVE Co. LTD	SOUTH KOREA
UNICON CO. LTD	SOUTH KOREA
UNIFLO Co. Ltd.	SOUTH KOREA
VECTOR & WELLHEADS ENGINEERING	SPAIN
WALDEMAR PRUSS ARMATURENFABRIK GmbH	GERMANY
WEIR VALVE & CONTROL	UK
XOMOX	GERMANY / W.EUROPE

COMPANY NAME	ORIGIN
3.4.14- CONTROL VALVE (BALL)	
BEHBOOD FARAYAND RADMAN	IRAN
CCI	SWITZERLAND
DAEJU CONTROL CO.	SOUTH KOREA
DRESSER	W.EUROPE
EMERSON	UK / W.EUROPE
EUROMATIC	ITALY
FLOWSERVE CORPORATION	W.EUROPE
KITZ	GERMANY
KOPECS CO. LTD	SOUTH KOREA
KOREA MOTOYAMA Inc. (KOMOTO)	SOUTH KOREA
KTM (KITAMUR)	JAPAN
METSO FLOW CONTROL (INTERNATIONAL)	FINLAND
NIHON KOSO CO. LTD	JAPAN
NIHONDIA	JAPAN
PARCOL S.P.A	ITALY
RMT VALVOMECCANICA S.R.L	ITALY
SAMSON	GERMANY
SEOJEON VALMAC Co. LTD	SOUTH KOREA
S&S VALVE Co. LTD	SOUTH KOREA
UNIFLO Co. Ltd.	SOUTH KOREA
VALTEK	UK / W.EUROPE
VECTOR & WELLHEADS ENGINEERING	SPAIN
WALDEMAR PRUSS ARMATURENFABRIK GmbH	GERMANY
WEIR VALVE & CONTROL	UK
3.4.15- CONTROL VALVE (BUTTERFLY)	
BEHBOOD FARAYAND RADMAN	IRAN
MIRAB	IRAN
RASTA GROUP GHESHM	IRAN
ADAMS ARMATUREN GmbH	GERMANY
ARI-ARMATUREN ALBERT RICHTER GmbH&Co.KG	GERMANY
AZBIL CORPORATION	JAPAN
BRAY CONTROLS	UK
EMERSON	UK / W.EUROPE
GOLD	GERMANY
KITZ	GERMANY
KOREA MOTOYAMA Inc. (KOMOTO)	SOUTH KOREA
METSO FLOW CONTROL (INTERNATIONAL)	FINLAND
NIHON KOSO CO. LTD	JAPAN
PARCOL S.P.A	ITALY
RMT VALVOMECCANICA S.R.L	ITALY
SAMSON	GERMANY
SEVERN GLOCON	UK
STRAHMAN VALVES FRANCE	FRANCE
SUNGDO CO. LTD	SOUTH KOREA
TYCO	JAPAN / W.EUROPE
UNICON CO. LTD	SOUTH KOREA
UNIFLO Co. Ltd.	SOUTH KOREA
VECTOR & WELLHEADS ENGINEERING	SPAIN
WEIR VALVE & CONTROL	UK
XOMOX	GERMANY / W.EUROPE
3.4.16- CONTROL VALVE (ECCENTRIC PLUG)	
AZBIL CORPORATION	JAPAN
DRESSER	UK / W.EUROPE
EMERSON	UK / W.EUROPE
KOPECS CO. LTD	SOUTH KOREA
METSO FLOW CONTROL (INTERNATIONAL)	FINLAND
OVERSEAS ENGINEERING AM	SWITZERLAND
PARCOL S.P.A	ITALY
SAMSON	GERMANY
SCHUF ARMATUREN & APPARATEBAU GmbH	GERMANY
S&S VALVE Co. LTD	SOUTH KOREA
VECTOR & WELLHEADS ENGINEERING	SPAIN
WEIR VALVE & CONTROL	UK

COMPANY NAME	ORIGIN
3.4.17- CONTROL VALVE (ANGLE)	
BEHBOOD FARAYAND RADMAN	IRAN
ARCA REGLER GMBH	GERMANY
BURKERT	GERMANY
CCI	SWITZERLAND
FLWSERVE CORPORATION	USA / W. EUROPE / CANADA
KOREA MOTOYAMA Inc. (KOMOTO)	SOUTH KOREA
METSO FLOW CONTROL (INTERNATIONAL)	FINLAND
NIHON KOSO CO. LTD	JAPAN
OVERSEAS ENGINEERING AM	SWITZERLAND
PARCOL S.P.A	ITALY
RMT VALVOMECCANICA S.R.L	ITALY
SCHUF ARMATUREN & APPARATEBAU GmbH	GERMANY
S&S VALVE Co. LTD	SOUTH KOREA
UNIFLO Co. Ltd.	SOUTH KOREA
VECTOR & WELLHEADS ENGINEERING	SPAIN
WALDEMAR PRUSS ARMATURENFABRIK GmbH	GERMANY

3.4.18- CONTROL VALVE (3 WAY)	
BEHBOOD FARAYAND RADMAN	IRAN
ARCA REGLER GMBH	GERMANY
ARI-ARMATUREN ALBERT RICHTER GmbH&Co.KG	GERMANY
CCI	SWITZERLAND
EMERSON	UK / W.EUROPE
KOREA MOTOYAMA Inc. (KOMOTO)	SOUTH KOREA
KTM	JAPAN
METSO FLOW CONTROL (INTERNATIONAL)	FINLAND
NIHON KOSO CO. LTD	JAPAN
OHL GUTERMUTH INDUSTRIAL VALVES GMBH	GERMANY
OVERSEAS ENGINEERING AM	SWITZERLAND
PARCOL S.P.A	ITALY
RMT VALVOMECCANICA S.R.L	ITALY
SAMSON	GERMANY
SCHUF ARMATUREN & APPARATEBAU GmbH	GERMANY
S&S VALVE Co. LTD	SOUTH KOREA
UNICON CO. LTD	SOUTH KOREA
VECTOR & WELLHEADS ENGINEERING	SPAIN
WALDEMAR PRUSS ARMATURENFABRIK GmbH	GERMANY
WEIR VALVE & CONTROL	UK

3.4.19- CONTROL VALVE (NEEDLE VALVE)	
BEHBOOD FARAYAND RADMAN	IRAN
AZBIL CORPORATION	JAPAN
DRESSER	UK / W.EUROPE
EMERSON	UK / W.EUROPE
KOREA MOTOYAMA Inc. (KOMOTO)	SOUTH KOREA
NIHON KOSO CO. LTD	JAPAN
OVERSEAS ENGINEERING AM	SWITZERLAND
PARCOL S.P.A	ITALY
VECTOR & WELLHEADS ENGINEERING	SPAIN
WEIR VALVE & CONTROL	UK

3.4.20- DIAPHRAGM TYPE CONTROL VALVE	
ASAHI	JAPAN
KITAMURA	JAPAN
NDV	JAPAN
NIHON KOSO CO. LTD	JAPAN
NIPPON DAIYA	JAPAN
PARCOL S.P.A	ITALY
SAUNDRES	UK / W.EUROPE
VECTOR & WELLHEADS ENGINEERING	SPAIN
WEIR VALVE & CONTROL	UK

<i>COMPANY NAME</i>	<i>ORIGIN</i>
3.4.21- CONTROL VALVE POSITIONER	
ARCA REGLER GMBH	GERMANY
AZBIL CORPORATION	JAPAN
BURKERT	GERMANY
CCI	SWITZERLAND
EMERSON	JAPAN / W.EUROPE
HONEYWELL	GERMANY
METSO FLOW CONTROL (INTERNATIONAL)	FINLAND
NIHON KOSO CO. LTD	JAPAN
SAMSON	GERMANY
SMAR	BRAZIL
SPRIANO TECHNOLOGIES SRL (TERANOVA GROUP)	ITALY
YOKOGAWA	JAPAN / W.EUROPE
3.4.22- I/P, P/I & F/P CONVERTOR	
ABB	GERMANY
EMERSON	UK / FRANCE
FOXBORO	USA / W. EUROPE
HONEYWELL	GERMANY
KROHNE	GERMANY
SMAR	BRAZIL
SPRIANO TECHNOLOGIES SRL (TERANOVA GROUP)	ITALY
3.4.23- MOTOR OPERATED VALVE	
BADRAN	IRAN
PISHGAM	IRAN
AMPO S.COOP. (POYAM VALVES)	SPAIN
ARI-ARMATUREN ALBERT RICHTER GmbH&Co.KG	GERMANY
BRAY CONTROLS	UK
L.BERNARD	FRANCE
LIMITORQUE	UK
MALBRANQUE(VALCO GROUP)	FRANCE
METSO FLOW CONTROL (INTERNATIONAL)	FINLAND
NIHON KOSO CO. LTD	JAPAN
OVERSEAS ENGINEERING AM	SWITZERLAND
PEKOS VALVES	SPAIN
RMT VALVOMECCANICA S.R.L	ITALY
ROTORK	UK
SCHUF ARMATUREN & APPARATEBAU GmbH	GERMANY
SHIMADZU SEIASKUSHO	JAPAN
S&S VALVE Co. LTD	SOUTH KOREA
3.4.24- PRESSURE SELF REGULATING VALVE	
BEHBOOD FARAYAND RADMAN	IRAN
EYVAZ TECHNIC	IRAN
ARI-ARMATUREN ALBERT RICHTER GmbH&Co.KG	GERMANY
EMERSON	UK / FRANCE
KOPECS CO. LTD	SOUTH KOREA
MANKENBERG	GERMANY
NIHON KOSO CO. LTD	JAPAN
OVERSEAS ENGINEERING AM	SWITZERLAND
PRESSURE TECH	UK
SAMSON	GERMANY
UNICON CO. LTD	SOUTH KOREA
3.4.25- TEMPERATURE SELF REGULATING VALVE	
EYVAZ TECHNIC	IRAN
ARI-ARMATUREN ALBERT RICHTER GmbH&Co.KG	GERMANY
DUNFOSS	DENMARK
NIHON KOSO CO. LTD	JAPAN
SAMSON	GERMANY

COMPANY NAME	ORIGIN
3.4.26- DESUPER HEATER	
BEHBOOD FARAYAND RADMAN	IRAN
ARCA REGLER GMBH	GERMANY
ARTES VALVE & SERVICE GmbH	GERMANY
CCI / BTG	SWITZERLAND
COPEES VULCAN	UK
DAEJU CONTROL CO.	SOUTH KOREA
GADELIUS	JAPAN
GREEN CONTROL srl	ITALY
HOPKINSON	UK
KIEKENS	THE NETHERLANDS
KOPECS CO. LTD	SOUTH KOREA
KOREA MOTOYAMA Inc. (KOMOTO)	SOUTH KOREA
NIHON KOSO CO. LTD	JAPAN
OVERSEAS ENGINEERING AM	SWITZERLAND
PARCOL S.P.A	ITALY
S&S VALVE Co. LTD	SOUTH KOREA
UNICON CO. LTD	SOUTH KOREA
UNIFLO Co. Ltd.	SOUTH KOREA
WALDEMAR PRUSS ARMATURENFABRIK GmbH	GERMANY
YAR WAY	JAPAN
3.4.27- SAFETY VALVE	
BEHBOOD FARAYAND RADMAN	IRAN
FARAVAR AZIN FELEZ	IRAN
ARI-ARMATUREN ALBERT RICHTER GmbH&Co.KG	GERMANY
AST	ITALY
BOPP & REUTHER	GERMANY
CROSBY	UK
DRESSER	GERMANY
FARRIS	UK
FUKUI	JAPAN
LESER	GERMANY
NACIONAL S.A	SPAIN
SAPAG	FRANCE
SEREG (VALCO GROUP)	FRANCE
S&S VALVE Co. LTD	SOUTH KOREA
TAI MILANO	ITALY
TECHNICAL SRL	ITALY
3.4.28- RUPTURE DISC	
BS & B	UK
ELFAB HUGHES	UK
FDC LIMITED COMPANY	SOUTH KOREA
FIKE	THE NETHERLANDS
LAMOT	W.EUROPE
REMBE GMBH SAFETY & CONTROL	GERMANY
STRIKO VERFAHRENSTECHNIK	GERMANY
3.4.29- BREATHER VALVE	
CHYODA	JAPAN
FLAME & FILTER	GERMANY
KOPECS CO. LTD	SOUTH KOREA
MARVAI	W.EUROPE
PROTEGO	GERMANY
UNIT INTERNATIONAL	UK
WEHSSOE VAREC	UK
3.4.30- EMERGENCY VENT VALVE	
BS & B	UK
ELFAB HUGHES	UK
FDC LIMITED COMPANY	SOUTH KOREA
FIKE	THE NETHERLANDS
FUKADA	JAPAN
HITACHI	JAPAN
LAMOT	W.EUROPE
METSO FLOW CONTROL (INTERNATIONAL)	FINLAND
SIEMENS	GERMANY

<i>COMPANY NAME</i>	<i>ORIGIN</i>
3.4.31- DELUGE VALVE	
CHUB	UK
PREUSSAG	GERMANY
SILVANI	ITALY
3.4.32- ON / OFF VALVE (BALL)	
BADRAN	IRAN
BEHBOOD FARAYAND RADMAN	IRAN
PISHGAM	IRAN
ACT	FRANCE
AMPO S.COOP. (Poyam Valves)	SPAIN
BAC VALVE SA	SPAIN
DAEJU CONTROL CO.	SOUTH KOREA
DE - YONG KOHEN	FRANCE
FLOW CONTROL TECHNOLOGY	FRANCE
FLOWSERVE ARGUS	GERMANY
GRINELL	W.EUROPE
KITZ	GERMANY
KOPECS CO. LTD	SOUTH KOREA
KOREA MOTOYAMA Inc. (KOMOTO)	SOUTH KOREA
KSB	GERMANY
KTM	JAPAN
METSO AUTOMATION	GERMANY
METSO FLOW CONTROL (INTERNATIONAL)	FINLAND
NIHON KOSO CO. LTD	JAPAN
NIPPON	JAPAN
OMAL S.P.A	ITALY
PEKOS VALVES	SPAIN
RMT Valvomeccanica S.R.L	ITALY
SALARI	FRANCE
SCHUF ARMATUREN & APPARATEBAU GmbH	GERMANY
S&S VALVE Co. LTD	SOUTH KOREA
TYCO	JAPAN
UNIFLO Co. Ltd.	SOUTH KOREA
VALPRES S.R.L	ITALY
WEIR VALVE & CONTROL	UK
3.4.33- ON / OFF VALVE (BUTTERFLY)	
BEHBOOD FARAYAND RADMAN	IRAN
MIRAB	IRAN
ADAMS ARMATUREN GmbH	GERMANY
AMPO S.COOP. (POYAM VALVES)	SPAIN
ARI-ARMATUREN ALBERT RICHTER GmbH&Co.KG	GERMANY
BRAY CONTROLS	UK
DRESSER	UK / W.EUROPE
GOLD	GERMANY
KOREA MOTOYAMA Inc. (KOMOTO)	SOUTH KOREA
METSO FLOW CONTROL (INTERNATIONAL)	FINLAND
MOTOYAMA	JAPAN
NIHON KOSO CO. LTD	JAPAN
RMT VALVOMECCANICA S.R.L	ITALY
SAMSON	GERMANY
STRAHMAN VALVES FRANCE	FRANCE
SUNGDO CO. LTD	SOUTH KOREA
TOMOE VALVE	JAPAN
TYCO	JAPAN
UNICON CO. LTD	SOUTH KOREA
UNIFLO Co. Ltd.	SOUTH KOREA
WEIR VALVE & CONTROL	UK

<i>COMPANY NAME</i>	<i>ORIGIN</i>
3.4.34- ON / OFF VALVE (ANGLE)	
ABB	W.EUROPE
AMPO S.COOP. (POYAM VALVES)	SPAIN
AZBIL CORPORATION	JAPAN
DRESSER	UK / W.EUROPE
EMERSON	UK / W.EUROPE
GREEN CONTROL srl	ITALY
KTM	JAPAN
MALBRANQUE (VALCO GROUP)	FRANCE
METSO FLOW CONTROL (INTERNATIONAL)	FINLAND
NIHON KOSO CO. LTD	JAPAN
RMT VALVOMECCANICA S.R.L	ITALY
SAMSON	GERMANY
S&S VALVE Co. LTD	SOUTH KOREA
TYCO	JAPAN
WEIR VALVE & CONTROL	UK
3.4.35- ON / OFF VALVE (GATE)	
MIRAB	IRAN
TASISAT BOKHARE ESFAHAN	IRAN
AMPO S.COOP. (POYAM VALVES)	SPAIN
ASAHI	JAPAN
GREEN CONTROL srl	ITALY
KOPECS CO. LTD	SOUTH KOREA
MALBRANQUE(VALCO GROUP)	FRANCE
MOTOYAMA	JAPAN
S&S VALVE Co. LTD	SOUTH KOREA
WEIR VALVE & CONTROL	UK
3.4.36- BOTTOM TANK VALVE	
BEHBOOD FARAYAND RADMAN	IRAN
GUICHON VALVES(VALCO GROUP)	FRANCE
METSO FLOW CONTROL (INTERNATIONAL)	FINLAND
RITAGE	GERMANY
SCHUF ARMATUREN & APPARATEBAU GmbH	GERMANY
STRAHMAN VALVES FRANCE	FRANCE
3.4.37- PNEUMATIC / HYDROLIC ACTUATOR	
BADRAN	IRAN
BEHBOOD FARAYAND RADMAN	IRAN
BORNA SANAT TOOS	IRAN
ABB	W. EUROPE
ARCA REGLER GMBH	GERMANY
BETTIS	CANADA
BIFFI	W.EUROPE
BRAY CONTROLS	UK
DAEJU CONTROL CO.	SOUTH KOREA
DVG AUTOMATION SPA.	ITALY
EL-O-MATIC	UK
GUICHON VALVES(VALCO GROUP)	FRANCE
HKC CO. LTD	SOUTH KOREA
KOPECS CO. LTD	SOUTH KOREA
KOREA MOTOYAMA Inc. (KOMOTO)	SOUTH KOREA
LIMTORQUE	UK / W.EUROPE

COMPANY NAME	ORIGIN
MALBRANQUE(VALCO GROUP)	FRANCE
METSO FLOW CONTROL (INTERNATIONAL)	FINLAND
NIHON KOSO CO. LTD	JAPAN
OMAL S.P.A	ITALY
OVERSEAS ENGINEERING AM	SWITZERLAND
PALADON SYSTEMS LTD.	UK
PRO CONTROL S.R.L	ITALY
QUIFER ACTUATORS S.L.	SPAIN
ROTORK	UK
SERVOVALVE	ITALY
S&S VALVE Co. LTD	SOUTH KOREA
STRAHMAN VALVES FRANCE	FRANCE
SUNGDO CO. LTD	SOUTH KOREA
TRUTORQ ITALIA SRL	ITALY
TYCO	JAPAN
UNICON CO. LTD	SOUTH KOREA
UNIFLO Co. Ltd.	SOUTH KOREA
VECTOR & WELLHEADS ENGINEERING	SPAIN
WALDEMAR PRUSS ARMATURENFABRIK GmbH	GERMANY

3.4.38- ELECTRICAL ACTUATOR

BADRAN	IRAN
NEGARESH RAYANEH POOYA (RAYATORK)*	IRAN
ARI-ARMATUREN ALBERT RICHTER GmbH&Co.KG	GERMANY
AUMA	GERMANY
BRAY CONTROLS	UK
ENERTORK LTD	SOUTH KOREA
HKC CO. LTD	SOUTH KOREA
L.BERNARD	FRANCE
METSO FLOW CONTROL (INTERNATIONAL)	FINLAND
NIHON KOSO CO. LTD	JAPAN
OMAL S.P.A	ITALY
PALADON SYSTEMS LTD.	UK
PRO CONTROL S.R.L	ITALY
WALDEMAR PRUSS ARMATURENFABRIK GmbH	GERMANY

* "Only for a period of 2 years"

3.4.39- FILTER REGULATOR

BADRAN	IRAN
PARS REGULATOR	IRAN
SANAYE HAVAYE FESHORDEH	IRAN
AZBIL CORPORATION	JAPAN
DRESSER	UK / W.EUROPE
DRUVA	GERMANY
EMERSON	UK / W.EUROPE
NIHON KOSO CO. LTD	JAPAN
PARKER	UK
PETROVALVE	ITALY
SAMSON	GERMANY
SHOKETSU	JAPAN
SPRIANO TECHNOLOGIES SRL (TERANOVA GROUP)	ITALY
TYCO	JAPAN

3.4.40- SOLENOID VALVE

ALPHA	ITALY
ASCO / JOUCOMATIC	GERMANY / W.EUROPE
BINDURGE	ITALY
BOSCH	GERMANY
BURKERT	GERMANY
FESTO	GERMANY

COMPANY NAME	ORIGIN
HERION	GERMANY
METSO FLOW CONTROL (INTERNATIONAL)	FINLAND
PARKER	UK / JAPAN
REX - ROTH	GERMANY
THOMPSON VALVE	UK
3.4.41- PROXIMITY SWITCH	
TABRIZ PEJOUH	IRAN
ASCO	GERMANY
AUTONIC	KOREA
EMKOMETER	CZECH
FESTO	GERMANY
HONEY WELL	BELGIUM
IFM ELECTRONICS	GERMANY
OMRON	JAPAN
PEPPERL & FUCHS	GERMANY
3.4.42- PIG DETECTOR	
SAVAY	IRAN
3.4.43- VALVE LOCKING DEVICE	
CAMERON FRANCE SA	FRANCE
FLOWSERVE AHAUS GMBH	GERMANY
NETHERLOCKS (SOFIS GROUP)	NETHERLANDS
SMITH FLOW CONTROL LTD.	UK
VOMOX INTL GMBH	GERMANY
WEIR VALVES & CONTROLS	UK
3.4.44- N2 BLANKETING SYSTEM	
EMERSON	UK / FRANCE
FDC LIMITED COMPANY	SOUTH KOREA
PREUSSAG	GERMANY
SAVAL	THE NETHERLANDS
3.4.45- MASS FLOWMETER (CORIOLIS TYPE)	
BOPP & REUTHER	GERMANY
EMERSON	UK
ENDRESS & HAUSER	GERMANY
HONEYWELL	W.EUROPE
KROHNE	GERMANY
KOBOLD	W.EUROPE
OVAL	JAPAN
YOKOGAWA	JAPAN
3.4.46- MASS FLOWMETER (THERMAL TYPE)	
BAILEY	UK
EMERSON	JAPAN / THE NETHERLANDS
ENDRESS & HAUSER	GERMANY
KOBOLD	W.EUROPE

	COMPANY NAME	ORIGIN
3.4.47- ULTRASONIC FLOWMETER		
3.4.47.1- ULTRASONIC FLOWMETER (LIQUID)		
	EMKOMETER	CZECH
	FAURE HERMAN	FRANCE
	FUJI	JAPAN
	METERING & TECHNOLOGY SAS (M&T)	FRANCE
3.4.47.2- ULTRASONIC FLOWMETER (GAS)		
	EMKOMETER	CZECH
	FUJI	JAPAN
	INSTRUMENT	THE NETHERLANDS
	SICK	GERMANY
3.4.47.3- FLOW COMPUTER		
	EMERSON	UK
	ENDRESS & HAUSER	GERMANY
	FLUIDWELL BV	NEDERLANDS
	KROHNE	GERMANY
	OVAL	JAPAN
	YOKOGAWA	JAPAN
	SPRIT IT	THE NETHERLANDS
3.4.48- MAGNETIC FLOWMETER		
	ASA srl	ITALY
	AZBIL CORPORATION	JAPAN
	BOPP & REUTHER	W.EUROPE
	EMERSON	UK / FRANCE
	EMKOMETER	CZECH
	ENDRESS & HAUSER	GERMANY
	FUJI	JAPAN / FRANCE
	KROHNE	GERMANY
	KOBOLD	W.EUROPE
	SIEMENS	GERMANY
	YOKOGAWA	JAPAN
3.4.49- VORTEX FLOWMETER		
	BOPP REUTHER	GERMANY
	DELTA CONTROLS LIMITED	UK
	EMERSON	UK / FRANCE
	HONTZSCH	GERMANY
	KROHNE	GERMANY
	OVAL	JAPAN
	YOKOGAWA	JAPAN
3.4.50- POSITIVE DISPLACEMENT METER		
	AUSTRIA	ITALY
	AZBIL CORPORATION	JAPAN
	BOPP & REUTHER	W.EUROPE
	EMERSON	UK / FRANCE
	EMKOMETER	CZECH
	OVAL	JAPAN
	SIEMENS	GERMANY
	SMITH	UK

COMPANY NAME	ORIGIN
3.4.51- TURBINE METER	
ABFAR (For Water)	IRAN
AUSTRIA	ITALY
BOPP & REUTHER	W.EUROPE
EMERSON	UK / FRANCE
FAURE HERMAN	FRANCE
METERING & TECHNOLOGY SAS (M&T)	FRANCE
OVAL	JAPAN
SCHLUMBERGER	FRANCE
SMITH	UK
3.4.52- ROTAMETER	
AZMOON MOTAMAM	IRAN
ASA srl	ITALY
BOPP& REUTHER	UK
DOHKITA	JAPAN
EMERSON	UK / FRANCE
EMKOMETER	CZECH
KOBOLD	W.EUROPE
KROHNE	GERMANY
RYUKAI	JAPAN
WISE CONTROL INC.	SOUTH KOREA
YOKOGAWA	JAPAN
3.4.53- BULK FLOWMETER	
BERTHOLD TECHNOLOGIES	GERMANY
3.4.54- FLOW SWITCH	
DELTA CONTROLS LIMITED	UK
EMERSON	UK / FRANCE
EMKOMETER	CZECH
KOBOLD	GERMANY
KROHNE	GERMANY
PHONIX & KSR KUEBLER (WIKA GROUP)	GERMANY
3.4.55- ORIFICE PLATE	
AZMOON MOTAMAM	IRAN
PARS JAHD	IRAN
PETRO DEGHAH PART	IRAN
SANGAN SANAT	IRAN
SINA CONTROL	IRAN
DELTAFLUID	FRANCE
EISPA	SPAIN
EMERSON	UK / FRANCE
EMKOMETER	CZECH
EUROMOSURE (WIKA GROUP)	GERMANY
INT S.R.L	ITALY
OKAZAKI	JAPAN
SAMIL INDUSTRY CO.	SOUTH KOREA
SPRIANO TECHNOLOGIES SRL (TERANOVA GROUP)	ITALY
TERCOM	ITALY
WISE CONTROL INC.	SOUTH KOREA
* For custody transfer applications and the same by Iranian Vendors, Refer to "Office of Supervision on Oil Exports" List. (www.mop.ir)	
3.4.56- VENTURI TUBE AND NOZZLE	
PARS JAHD	IRAN
SINA CONTROL	IRAN
BARTHEL	GERMANY
DELTAFLUID	FRANCE
EMERSON	UK / FRANCE
EMKOMETER	CZECH
EUROMOSURE (WIKA GROUP)	GERMANY
INT S.R.L	ITALY
SAMIL INDUSTRY CO.	SOUTH KOREA
SPRIANO TECHNOLOGIES SRL (TERANOVA GROUP)	ITALY
WISE CONTROL INC.	SOUTH KOREA
TECNOMATIC	ITALY

COMPANY NAME **ORIGIN**

3.4.57- ANNUBAR

AZMOON MOTAMAM	IRAN
PARS JAHD	IRAN
ABB	W.EUROPE
BUSH BEACH ENGINEERING	UK
DELTAFLUID	FRANCE
EMERSON	UK / FRANCE
EMKOMETER	CZECH
EUROMOSURE (WIKA GROUP)	GERMANY
INT S.R.L	ITALY
SPRIANO TECHNOLOGIES SRL. (TERANOVA GROUP)	ITALY
TERCOM	ITALY
YOKOGAWA	JAPAN

3.4.58- PRESSURE & TEMPERATURE GAUGE

FARAYAND LAKSAR / RUEGER	IRAN / SWITZERLAND
PARS JAHD	IRAN
SANGAN SANAT	IRAN
SCHMIERER PARS / SCHMIERER	IRAN / GERMANY
ASHCROFT	UK
BADOTHERM	THE NETHERLANDS
BOURDON	FRANCE
DELTA CONTROLS LIMITED	UK
ELFAB HUGHES	UK
ETTORE CELLA	ITALY
NOUVA FIMA	ITALY
REGULATEURS GEORGIN	FRANCE
SPRIANO TECHNOLOGIES SRL. (TERANOVA GROUP)	ITALY
STEWARTS	UK
STIKO MEETAPPARATENFABRIEK BV	NETHERLANDS
WIKA ALEXANDER WIEGAND SE&CO	GERMANY
WISE CONTROL INC.	SOUTH KOREA

3.4.59- PRESS. & TEMP SWITCH

ASHCROFT	UK
BETA	THE NETHERLANDS
CELLA (WIKA GROUP)	GERMANY
DELTA CONTROLS LIMITED	UK
HERION	GERMANY
REGULATEURS GEORGIN	FRANCE
UNITED ELECTRIC	W.EUROPE
WIEGAND	GERMANY
WIKA ALEXANDER WIEGAND SE&CO	GERMANY
WISE CONTROL INC.	SOUTH KOREA

3.4.60- PRESS. & DIFFERENTIAL PRESS. TRANSMITTER

PARS ELECTRONIC KISH *	IRAN
PARS JAHD	IRAN
ABB	W.EUROPE
AZBIL CORPORATION	JAPAN
DELTA CONTROLS LIMITED	UK
EMERSON	UK / FRANCE
EMKOMETER	CZECH
ENDRESS & HAUSER	GERMANY
FUJI	JAPAN
HONEYWELL	BELGIUM
REGULATEURS GEORGIN	FRANCE
SAKURA ENDRESS	JAPAN
SIEMENS	GERMANY
SMAR	BRAZIL
SPRIANO TECHNOLOGIES SRL. (TERANOVA GROUP)	ITALY
WIKA ALEXANDER WIEGAND SE&CO	GERMANY
YOKOGAWA	JAPAN

* Without SIL Certificate

COMPANY NAME	ORIGIN
3.4.61- T/C, RTD & WELLS	
ATBIN	IRAN
FARAYAND LAKSAR / RUEGER	IRAN / SWITZERLAND
PARS JAHD	IRAN
DELTA CONTROLS LIMITED	UK
DELTAFLUID	FRANCE
EISPA	SPAIN
EMERSON	UK / FRANCE
EMKOMETER	CZECH
ENDRESS & HAUSER	GERMANY
EUROMOSURE (WIKA GROUP)	GERMANY
FUJI	JAPAN
INT SRL	ITALY
NAGANO	JAPAN
NILGATA	JAPAN
PYRO CONTROLE SAS.	FRANCE
REGULATEURS GEORGIN	FRANCE
SINA PARDAZ APADANA(SIPNACO)	IRAN
STIKO MEETAPPARATENFABRIEK BV	NETHERLANDS
THERMO ELECTRIC	UK
WIKA ALEXANDER WIEGAND SE&CO	GERMANY
WISE CONTROL INC.	SOUTH KOREA

3.4.62- TEMPERATURE TRANSMITTER	
PARS ELECTRONIC KISH *	IRAN
PARS JAHD	IRAN
ABB	W.EUROPE
AZBIL CORPORATION	JAPAN
DELTA CONTROLS LIMITED	UK
EMERSON	UK / FRANCE
EMKOMETER	CZECH
ENDRESS & HAUSER	GERMANY
FLUIDWELL BV	NEDERLANDS
FOXBORO	UK
FUJI	JAPAN
HONEYWELL	BELGIUM
REGULATEURS GEORGIN	FRANCE
SAKURA ENDRESS	JAPAN
SIEMENS	GERMANY
SMAR	BRAZIL
SPRIANO TECHNOLOGIES SRL (TERANOVA GROUP)	ITALY
WIKA ALEXANDER WIEGAND SE&CO	GERMANY
YOKOGAWA	JAPAN
* Without SIL Certificate	

3.4.63- FIELD INDICATOR	
DELTA CONTROLS LIMITED	UK
EMKOMETER	CZECH
FLUIDWELL BV	NEDERLANDS
GEROEGIN	FRANCE
SMAR	BRAZIL
VEGA	GERMANY
WIKA ALEXANDER WIEGAND SE&CO	GERMANY

3.4.64- JUNCTION BOX	
3.4.64.1- EX. - JUNCTION BOX	
DARIAN	IRAN
MASHIN SAZI SHOMAL PIROOZ	IRAN
CHALMIT	UK
COOPER CROUSE-HINDS (CEAG)	GERMANY
CORTEM SPA	ITALY
HAWKE	UK
NUOVA	ITALY
ROSE SYSTEMTECHNIK GmbH	GERMANY
SABER	ITALY
SCAME PARRE	ITALY
STAHL	GERMANY

3.4.64.2- INDUSTRIAL - JUNCTION BOX

COMPANY NAME	ORIGIN
MASHIN SAZI SHOMAL PIROOZ	IRAN
NOUR MEHVAR FARS	IRAN
PAJOHAN SANAT PARS	IRAN
ROSE SYSTEMTECHNIK GmbH	GERMANY
SCAME PARRE	ITALY

3.4.65- CABLE GLAND

DARIAN	IRAN
MASHIN SAZI SHOMAL PIROOZ	IRAN
TAVAN OMRAN SANAT E SAMANEH	IRAN
BICC	UK
HAWKE	UK
NUOVA	ITALY
STAHL	GERMANY

3.4.66- INSTRUMENT CABLE

KABLE ALBORZ*	IRAN
KABLE KERMAN & KAVIYAN*	IRAN
KABL SAZI IRAN*	IRAN
KABL SAZI TAK*	IRAN
KABLE SHAHIN*	IRAN
KABLE SINA*	IRAN
KERMAN ZAR CABLE*	IRAN
RASANA KABLE*	IRAN
SIMIA*	IRAN
SIM VA KABL ABHAR*	IRAN
SIM VA KABL MOGHAN*	IRAN
SIMBAF*	IRAN
SIMCO*	IRAN
ZARSIM*	IRAN
AEG	GERMANY
BICC	UK
CABLE DE LYON	FRANCE
LEONI KERPEN	GERMANY
NEXANS (ALCATEL)	FRANCE
SIEMENS	GERMANY
TECNIKABLE S.P.A	ITALY

* ONLY ANALOGUE & DIGITAL CABLES

3.4.67- CABLE TRAY / LADDER

AJINEH	IRAN
FARAMIN TABLO	IRAN
PAJOHAN SANAT PARS	IRAN
PANJTASH	IRAN
SATEHA	IRAN
TOSEH SANAYE PETRO FOOLADE GHARB	IRAN
VANASHID	IRAN
YEKTA	IRAN

COMPANY NAME	ORIGIN
3.4.68- INSTRUMENT VALVE	
MACHIN SAZI NEEV	IRAN
ARMATURENFABRIK FRANZ SCHNEIDER(AS-SCHNEIDER)	GERMANY
DELTA CONTROLS LIMITED	UK
DELTAFLUID	FRANCE
DK-LOK CORPORATION	SOUTH KOREA
EMERSON	UK / FRANCE
HANSUN ENGINEERING CO. LTD.	SOUTH KOREA
HSME CORPORATION	SOUTH KOREA
KEYSTONE	UK
METLOK E KISH	IRAN
OLIVER VALVE	W.EUROPE
OMAL S.P.A	ITALY
PARKER	UK
REGULATEURS GEORGIN	FRANCE
VIMEC	W.EUROPE
WIKA ALEXANDER WIEGAND SE&CO	GERMANY
3.4.69- DECOKE & CRACKED GAS VALVE	
STRAHMAN VALVES	FRANCE

COMPANY NAME	ORIGIN
3.4.70- INSTRUMENT TUBE & FITTING	
AJIR	IRAN
ALL METAL	IRAN
LOOLEHAYE DAGHIGHE KAVEH	IRAN
MACHIN SAZI NEEV	IRAN
METLOK E KISH	IRAN
PARS REGULATOR	IRAN
SANAYE HAVAYE FESHORDEH	IRAN
TOOS PEYVAND	IRAN / UK
CAPITAL VALVE	UK
DK-LOK CORPORATION	SOUTH KOREA
FITOK	USA
FESTO	GERMANY
GYROLOCK	UK
HANSUN ENGINEERING CO. LTD.	SOUTH KOREA
HOKE	UK
HSME CORPORATION	SOUTH KOREA
JANDUIC	ITALY
MANNESMAN	GERMANY
MID STEEL PIPELINE	UK
PARKER	UK
ROTAREX	LUXEMBURG
SWAGELOCK	GERMANY
3.4.71- SPECIAL VALVES	
GUICHON VALVES(VALCO GROUP)	FRANCE
SCHUF ARMATUREN & APPARATEBAU GmbH	GERMANY
STRAHMAN VALVES	FRANCE
3.4.72- VIBRATION PROBE	
SINA PARDAZ APADANA(SIPNACO)	IRAN
3.4.73- CONTROL VALVE (AXIAL)	
GOODWIN INTERNATIONAL LTD	UK
3.4.74- ON / OFF VALVE (AXIAL)	
GOODWIN INTERNATIONAL LTD	UK

4. TELECOMMUNICATION

4. TELECOMMUNICATION

4.1- TRANSMISSION SYSTEM & ACCESSORIES

4.1.1- FIBER OPTIC & CABLE ACCESSORIES

4.1.2- COPPER CABLE

4.1.3- TRANSMISSION EQUIPMENT & ACCESSORIES

4.1.3.1- OPTICAL BASED SYSTEM

4.1.3.2- SDH SYSTEM

4.1.3.3- COPPER WIRE BASED SYSTEM

4.1.3.4- RADIO BASED SYSTEM

4.1.4- PULSE CODE MODULATION (PCM) SYSTEM & INTEGRATOR

4.1.4.1- PULSE CODE MODULATION (PCM) SYSTEM & INTEGRATOR

4.1.4.2- PULSE CODE MODULATION (PCM) SYSTEM

4.1.5- COMMUNICATION TOWER STRUCTURE

4.2- SWITCH SYSTEM & INTEGRATOR

4.2.1- SWITCH SYSTEM INTEGRATOR

4.2.2- SWITCH SYSTEM

4.3- RADIO SYSTEM & INTEGRATOR

4.3.1- RADIO SYSTEM INTEGRATOR

4.3.2- FIXED SYSTEM

4.3.3- MOBILE SYSTEM

4.3.4- HAND SET SYSTEM

4.3.5- REPEATER SYSTEM

4.4- INTERCOM PAGING/PUBLIC ADDRESS & INTEGRATOR

4.4.1- INTERCOM PAGING/PUBLIC ADDRESS INTEGRATOR

4.4.2- INDUSTRIAL

4.4.3- NON INDUSTRIAL

4.4.4- CONFERENCE SYSTEM

4.4.5- EXPLOSION PROOF

4.5- CCTV

4.5.1- CCTV SYSTEM (FIX & PC BASE) INTEGRATOR

4.5.1.1- SECURITY

4.5.1.2- NON SECURITY

4.5.2- CCTV EQUIPMENT

4.5.2.1- MONITORING EQUIPMENT

4.5.2.2- CAMERA

4.5.2.3- VMS (VIDEO MANAGEMENT SOFTWARE)

4.6- TELEPHONE SYSTEM

4.6.1- EXPLOSION PROOF TELEPHONE SET

4.6.2- INDUSTRIAL TELEPHONE SET

4.6.3- OFFICE TELEPHONE SET

4.6.4- FAX SYSTEM

4.6.5- CENTRAL AND IP PHONE/PABX SYSTEM

4.6.6- TELEPHONE SYSTEM INTEGRATOR

4.7- NETWORK SWITCH

4.8- ETHERNET SWITCH

COMPANY NAME

ORIGIN

4.1- TRANSMISSION SYSTEM & ACCESSORIES

4.1.1- FIBER OPTIC CABLE & ACCESSORIES

KABLE RAFSANJAN	IRAN
KABLE SHAHID QANDI YAZD	IRAN
ALCATEL	FRANCE
BELDEN	FRANCE / UK / GERMANY
BRUGG	SWITZERLAND
DEDICATED NETWORK PARTNERS OY (DNWP)	FINLAND
FUJIKURA	JAPAN
N.K.F.	NETHERLANDS
PIRELLI	ITALY
R & M	SWITZERLAND
SIEMENS	GERMANY

4.1.2- COPPER CABLE

KABL SAZI IRAN	IRAN
KABLE ABHAR	IRAN
KABLE ALBORZ	IRAN
KABLE KERMAN	IRAN
KABLE RAFSANJAN	IRAN
KABLE SHAHID QANDI YAZD	IRAN
KARKHANEJAT KABLSAZI TAK	IRAN
MOGHAN CABLE	IRAN
OFOGHE ALBORZ CABLE	IRAN
SIMBAF	IRAN
SIMCO	IRAN
SIMIA	IRAN
SIM VA CABLE MASHAD	IRAN

4.1.3- TRANSMISSION EQUIPMENT & ACCESSORIES

4.1.3.1- OPTICAL BASED SYSTEM

PARSTEL	IRAN
DEDICATED NETWORK PARTNERS OY (DNWP)	FINLAND
ERICSSON	SWEDEN
WESTERMO TELEINDUSTRI AB	SWEDEN

4.1.3.2- SDH SYSTEM

DEDICATED NETWORK PARTNERS OY (DNWP)	FINLAND
ERICSSON	SWEDEN
NEC	JAPAN

	<u>COMPANY NAME</u>	<u>ORIGIN</u>
4.1.3.3- COPPER WIRE BASED SYSTEM	PARSTEL	IRAN
	DEDICATED NETWORK PARTNERS OY (DNWP)	FINLAND
	ERICSSON	SWEDEN
	NEC	JAPAN
	SIEMENS	GERMANY
	WESTERMO TELEINDUSTRI AB	SWEDEN

4.1.3.4- RADIO BASED SYSTEM	PARSTEL	IRAN
	ERICSSON	SWEDEN
	NEC	JAPAN
	SIEMENS	GERMANY
	WESTERMO TELEINDUSTRI AB	SWEDEN

4.1.4- PULSE CODE MODULATION (PCM) SYSTEM & INTEGRATOR

4.1.4.1- PULSE CODE MODULATION (PCM) SYSTEM & INTEGRATOR

TO BE ADVISED LATER

4.1.4.2- PULSE CODE MODULATION (PCM) SYSTEM

SANAYE ERTEBATI PAYA	IRAN
SANAYE GHATAATE ELECTRONIC	IRAN

4.1.5- COMMUNICATION TOWER STRUCTURE

ANTEN KAR	IRAN
AVANGAN	IRAN
MICRO MOJ	IRAN
SANAYE BONYAD POSHESH	IRAN
SANAYE ELECTRONIC IRAN	IRAN
SANAYE ERTEBATI ZAEIM	IRAN
SANAYE MOKHABERATI IRAN (ITMC)	IRAN
TAKTA	IRAN
ANDREW SRL	ITALY
TAIT	NEW ZALAND

4.2- SWITCH SYSTEM & INTEGRATOR

4.2.1- SWITCH SYSTEM INTEGRATOR

OPTILAN	UK
TELEFONSAZAN YAZD	IRAN

4.2.2- SWITCH SYSTEM	<u>COMPANY NAME</u>	<u>ORIGIN</u>
	DIGITRON	IRAN
	KARA TELEPHONE	IRAN
	PARS TELEPHONE KAR	IRAN
	SANAYE ERTEBATI PAYA (KARIN)	IRAN
	SANAYE ELECTRONIC IRAN	IRAN
	SANAYE ERTEBATI RAHE DOOR	IRAN
	SANAYE MOKHABERATI IRAN (ITMC)	IRAN
	ALCATEL	FRANCE
	ERICSSON	SWEDEN
	MITEL	CANADA
	NEC	JAPAN
	PANASONIC	JAPAN
	SIEMENS	GERMANY
	TRANSTEL	UK

4.3- RADIO SYSTEM & INTEGRATOR

4.3.1- RADIO SYSTEM INTEGRATOR

	SANAYE ELECTRONIC IRAN	IRAN
	SANAYE ERTEBATI RAHE DOOR	IRAN
	SANAYE ERTEBATI ZAEIM	IRAN
	OPTILAN	UK

4.3.2- FIXED SYSTEM

TO BE ADVISED LATER.

4.3.3- MOBILE SYSTEM

	ALCATEL	FRANCE
	ERICSSON	SWEDEN
	MOTOROLA	UK / JAPAN
	NOKIA	FINLAND/CHINA
	TAIT	NEW ZEALAND

4.3.4- HAND SET SYSTEM

	ALCATEL	FRANCE
	ERICSSON	SWEDEN
	FUJITSU	JAPAN
	MARCONI	UK
	MOTOROLA*	UK / JAPAN
	NEC	JAPAN
	NOKIA	FINLAND/CHINA
	NTT DOCOMO	JAPAN
	OTE*	ITALY
	SIAE	ITALY
	SIEMENS	GERMANY
	TAIT*	NEW ZEALAND

** VENDORS PRODUCING INTRINSICALLY SAFE SET AS WELL AS NORMAL SET.*

COMPANY NAME

ORIGIN

4.3.5- REPEATER SYSTEM

SANAYE ELECTRONIC IRAN	IRAN
SANAYE ERTEBATI RAHE DOOR (ITI)	IRAN
SANAYE ERTEBATI ZAEIM	IRAN
ALCATEL	FRANCE
ERICSSON	SWEDEN
MARCONI	UK / ITALY
MOTOROLA	UK / JAPAN
OTE	ITALY
ROHDE & SCHWARZ	GERMANY
ROHILL	NETHERLANDS

4.4- INTERCOM PAGING/PUBLIC ADDRESS & INTEGRATOR

4.4.1- INTERCOM PAGING/PUBLIC ADDRESS INTEGRATOR

ALAST ELECTRONIC POOYA	IRAN
ECHOCHANG	IRAN
HORAND	IRAN
NARFOAMKAR	IRAN
SARIAK	IRAN
OPTILAN	UK
ZIZTEL LIMITED	UK

4.4.2- INDUSTRIAL

INDUSTRONIC	GERMANY
IWATSU	JAPAN
NEUMANN	ITALY
PROCOM	GERMANY
ZIZTEL LIMITED	UK

4.4.3- NON INDUSTRIAL

ZIZTEL LIMITED	UK
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4.4.4- CONFERENCE SYSTEM

HORAND	IRAN
PANASONIC	JAPAN
PHILIPS	NETHERLANDS
SONY	JAPAN
TELEVIC	SWITZERLAND
ZIZTEL LIMITED	UK

4.4.5- EXPLOSION PROOF

INDUSTRONIC	GERMANY
INTEL	ITALY
IWATSU	JAPAN
NEUMANN	ITALY
PROCOM	GERMANY
ZIZTEL LIMITED	UK

	<u>COMPANY NAME</u>	<u>ORIGIN</u>
4.5- CCTV		
4.5.1- CCTV SYSTEM (FIX & PC BASE) INTEGRATOR**		
4.5.1.1- SECURITY		
	ADISH ELECTRONIC	IRAN
	ALAST ELECTRONIC POOYA	IRAN
	ALKA PARDAZ TABRIZ	IRAN
	ARDAL	IRAN
	DENA SANAT	IRAN
	FAN AVARAN TASVIR	IRAN
	GITA VARZ	IRAN
	MICRO NARM AFZAR	IRAN
	NARFOAMKAR	IRAN
	OFOGH ROSHAN DENA	IRAN
	OPTILAN	UK
	RAH AVARD ELECTRONIC	IRAN
	RAH ROSHD	IRAN
	SHAR NOOR	IRAN
	SANAYE ELECTRONIC ZAIEM	IRAN
	SA IRAN	IRAN
	SANAYE ELECTRONIC OPTIC ESFAHAN	IRAN
	VIDA ELECTRONIC	IRAN
4.5.1.2- NON SECURITY		
	AFRIZ FARAYAND	IRAN
	ALAST ELECTRONIC POOYA	IRAN
	DENA SANAT	IRAN
	NARFOAMKAR	IRAN
	OFOGHE ROSHAN DENA	IRAN
	PATSA	IRAN
	RAH ROSHD	IRAN
	SANAYE ERTEBATI ZAEIM	IRAN
	SANAYE ELECTRONIC IRAN	IRAN
	SANAYE OPTIC ESFAHAN	IRAN
	SARYAK	IRAN
	INTEL	ITALY
	HERNIS	NORWAY
	OPTILAN	UK
	PANASONIC	JAPAN
	SYNECTIC SYSTEM GROUP LTD	UK
4.5.2- CCTV EQUIPMENT		
4.5.2.1- MONITORING EQUIPMENT		
	PANASONIC	JAPAN/MALAYSIA
	SIEMENS	GERMANY
	SONY	JAPAN/MALAYSIA
	SYNECTIC SYSTEM GROUP LTD	UK

	<u>COMPANY NAME</u>	<u>ORIGIN</u>
4.5.2.2-	<i>CAMERA</i>	
	IQEYE	USA
	PANASONIC	JAPAN/MALAYSIA
	SIEMENS	GERMANY
	SONY	JAPAN/MALAYSIA
	SPARK LAN	USA/TAIWAN
	SYNECTIC SYSTEM GROUP LTD	UK

4.5.2.3- *VMS (VIDEO MANAGEMENT SOFTWARE)*
TO BE ADVISED LATER

4.6- TELEPHONE SYSTEM

4.6.1- *EXPLOSION PROOF TELEPHONE SET*

	DAC	UK
	FERNSIG	GERMANY
	LELAS	FRANCE
	MITLE TELECOM.	UK
	NEUMANN ELECTRONIC	GERMANY
	NEC GROUP	JAPAN
	S.A.EQUIPMENT	UK
	SIEMENS	GERMANY
	ZIZTEL LIMITED	UK

4.6.2- *INDUSTRIAL TELEPHONE SET*

	DAC	UK
	FERNSIG	GERMANY
	LELAS	FRANCE
	MITLE TELECOM.	UK
	NEUMANN ELECTRONIC	GERMANY
	NEC GROUP	JAPAN
	S.A.EQUIPMENT	UK
	SIEMENS	GERMANY
	ZIZTEL LIMITED	UK

4.6.3- *OFFICE TELEPHONE SET*

	SANAYE ERTEBATI PAYA	IRAN
	SANAYE ELECTRONIC IRAN	IRAN
	ALCATEL	FRANCE
	SIEMENS	GERMANY
	PANASONIC	JAPAN

	<u>COMPANY NAME</u>	<u>ORIGIN</u>
4.6.4- FAX SYSTEM		
	EPSON	JAPAN
	HP	USA
	PANASONIC	JAPAN
	PHILIPS	NETHERLANDS
	RICO	JAPAN
	SHARP	JAPAN
4.6.5- CENTRAL AND IP PHONE/PABX SYSTEM		
	AVA COMMUNICATION	IRAN
	ERICSSON	SWEDEN
	PANASONIC	JAPAN
	SIEMENS	GERMANY
4.6.6- TELEPHONE SYSTEM INTEGRATOR		
	ALAST ELECTRONIC POOYA	IRAN
	OPTILAN	UK
4.7- NETWORK SWITCH		
	3COM	USA
	BELDEN	USA
	D-LINK	USA
	SISCO	USA
	WESTERMO TELEINDUSTRI AB	SWEDEN
4.8- ETHERNET SWITCH		
	HIRCHAMANN	GERMANY
	WESTERMO TELEINDUSTRI AB	SWEDEN

5. HSEQ EQUIPMENT

5.1. HEALTH

- 5.1.1. ELECTROMAGNETIC FIELD ANALYZER
- 5.1.2. SOUND LEVEL METER
- 5.1.3. LUXMETER
- 5.1.4. WET BULB GLOBE TEMPERATURE (WBGT)
- 5.1.5. DUST MONITOR
- 5.1.6. GAS AND VAPOURE DETECTOR
- 5.1.7. UV AND IR RADIATION DETECTOR
- 5.1.8. IONIZED RADIATION DETECTOR
- 5.1.9. FIT TEST FOR BREATHING MASK
- 5.1.10- POTABLE WATER QC EQ.
 - 5.1.10.1- MICROBIOLOGY

5.2. SAFETY & FIRE FIGHTING

- 5.2.1- FIXED EQUIPMENT
 - 5.2.1.1- WATER SPRAY, SPRINKLER SYSTEM
 - 5.2.1.2- FOAM SYSTEM
 - 5.2.1.3- WATER SUPPLY (HYDRANTS , MONITORS & REELS)
 - 5.2.1.3.1- POST INDICATOR VALVE
 - 5.2.1.3.2- SELF OSCILLATING MONITOR
 - 5.2.1.4- FIRE FIGHTING PUMP
 - 5.2.1.5- FIRE BOX
 - 5.2.1.6- GAS DETECTOR SYSTEM
 - 5.2.1.7- INERT GAS (IG) & CO2 SYSTEM
- 5.2.2- PORTABLE EQUIPMENT
 - 5.2.2.1- EXTINGUISHER
 - 5.2.2.1.1- DRY POWDER / WATER
 - 5.2.2.1.2- CO2 / FOAM
 - 5.2.2.2- FIRE MONITOR
 - 5.2.2.3- PUMP FOR FIRE ENGINE

5.2.3- FIRE TRUCK

5.2.3.1- *FOAM TENDER , WATER & FOAM TENDER & TANKER*

5.2.3.2- *POWDER TRUCK , RESCUE TRUCK & LADDER , MULTI - PURPOSE*

5.2.4- GENERAL FIRE FIGHTING MATERIALS & ACCESSORIES

5.2.4.1- *HOSES*

5.2.4.2- *FITTING , COUPLING & ADAPTOR*

5.2.4.3- *NOZZLE*

5.2.4.4- *POWDER & FOAM (ONLY MAT'S)
CO₂ FILLING MACHINE , HOSE BUNDING MACHINE , HOSE*

5.2.4.5- *WINDING MACHINE , BREATHING AIR COMPRESSOR AND
POWDER FILLING MACHINE*

5.2.5- FIRE PROOFING SYSTEM

5.2.6- RESCUE SYSTEM EQUIPMENT

5.2.7- SAFETY DEVICES

5.2.8- SPECIAL ITEMS

5.2.8.1- *FALL PROTECTION EQUIPMENT*

5.2.8.2- *SAFTY VESTS AND SUB SEA WORK EQ.*

5.2.8.3- *CHEMICAL RESISTANCE ANTI-FIRE CLOTHING*

5.2.8.4- *SELF CONTAIN BREATHING APPARATUS (SCBA) / AIR LINE &
FILTERING*

5.2.8.5- *FLAME ARRESTOR*

5.3- ENVIRONMENT

5.3.1- AIR POLLUTION ANALYSER

5.3.2- STACK FLUE GAS ANALYZER

5.3.3- WASTE WATER PORTABLE ANALYZER

5.3.4- WASTE WATER AUTOMATIC SAMPLING DEVICE

5.3.5- WASTE WATER ON-LINE ANALYZER

5.3.6- SOIL POLLUTION MONITOR & ANALYZER

5.3.7- UNDER GROUND WATER MONITOR & ANALYZER

5.3.8- OIL MIST COLLECTORS

5.4- QUALITY

COMPANY NAME

ORIGIN

5.1. HEALTH

5.1.1. ELECTROMAGNETIC FIELD ANALYZER

NARFOAM KAR	IRAN
CASELLA-CEL	UK
HOLA DAY	USA / W.EUROPE

5.1.2. SOUND LEVEL METER

NARFOAM KAR	IRAN
BRÜEL & KJÆR	DENMARK
CASELLA-CEL	UK
CASTLE	UK
CIRRUS	UK
QUEST	USA / W.EUROPE

5.1.3. LUXMETER

HAGNER	SWEDEN
TESTO AG	GERMANY

5.1.4. WET BULB GLOBE TEMPERATURE (WBG)

CASELLA-CEL	UK
KIMO	FRANCE
QUEST	USA / W.EUROPE

5.1.5. DUST MONITOR

BGI	USA / W.EUROPE
CASELLA-CEL	UK
DRÄGER	GERMANY
MSA	USA / W.EUROPE
SKC	USA / W.EUROPE
TERMO	USA / W.EUROPE
WESTECH	USA / UK

5.1.6. GAS AND VAPOURE DETECTOR

COMPUR MONITOR	GERMANY
DRÄGER	GERMANY
GASTEC	JAPAN
GFG	GERMANY
MSA	USA / W.EUROPE
SKC	USA / W.EUROPE

5.1.7. UV AND IR RADIATION DETECTOR

HAGNER	SWEDEN
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5.1.8. IONIZED RADIATION DETECTOR

WILL BE ADVISED LATER	
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	<u>COMPANY NAME</u>	<u>ORIGIN</u>
5.1.9. <u>FIT TEST FOR BREATHING MASK</u>		
	DRÄGER	GERMANY
	FENZY	FRANCE
	MSA	USA / W.EUROPE
5.1.10- <u>POTABLE WATER QC EQ.</u>		
	HACH	USA
	ZULLIG AG	SWITZERLAND
5.1.10.1- <u>MICROBIOLOGY</u>		
	ZULLIG AG	SWITZERLAND
5.2. <u>SAFETY & FIRE FIGHTING</u>		
5.2.1- <u>FIXED EQUIPMENT</u>		
5.2.1.1- <u>WATER SPRAY, SPRINKLER SYSTEM</u>		
	NARFOM KAR	IRAN
	PERSIAN G.P.E	IRAN
	SAKHTAR ENERGY ZHARF	IRAN
	ANGUS FIRE LTD.	UK
	ANSUL	UK
	DELTA FIRE Inc.	USA
	FUKU HODA	JAPAN
	HATSUTA	JAPAN
	INBAL VALVES	UK
	JOMOS	SWITZERLAND
	KIDDE FIRE CO.	ITALY
	MINIMASK	GERMANY
	ROSENBAUER	GERMANY / AUSTRIA
	SAMTEKNO-Tempus OY	FINLAND
	SES ASA PROTECTION(<i>SES ENSER ENGINEERING</i>)	ITALY
	SILVANI	ITALY
	SIMTRONICS	NORWAY
	SPRAY SAFE	UK
	SISTECOIN	SPAIN
	TOTAL FEURCHUTZ	GERMANY
	VIKING	USA / W.EUROPE
5.2.1.2- <u>FOAM SYSTEM</u>		
	NARFOM KAR	IRAN
	PERSIAN G.P.E	IRAN
	SAKHTAR ENERGY ZHARF	IRAN
	ANGUS FIRE LTD.	UK
	CHEMETRON	USA / W.EUROPE
	CHUBB FIRE	UK
	CHUBB NATIONAL FOAM	UK
	FUKU HODA	JAPAN
	KIDDE FIRE CO.	ITALY
	MURITA	JAPAN
	PYRENE	CANADA
	ROSENBAUER	GERMANY / AUSTRIA
	SHILLA FIRE	KOREA
	SILVANI	ITALY
	TOTAL WALTHER	GERMANY
	WILLIAMS	USA, W.EUROPE
	ZIEGLER	GERMANY

	COMPANY NAME	ORIGIN
5.2.1.3- WATER SUPPLY (HYDRANTS , MONITORS & REELS)	IMEN SAHAND ARYA	IRAN
	IMEN TIAR (WET ONLY)	IRAN
	NARFOAM KAR	IRAN
	PERSIAN G.P.E	IRAN
	ALCO CONTROLS GmbH	GERMANY
	AMERICAN DARLING	CANADA / W.EUROPE
	ANGUS FIRE LTD.	UK
	KENEDY VALVE	CANADA
	KNOWSLEY SK LTD.	UK
	MULLER	GERMANY
	POK	FRANCE
	SHILLA FIRE	KOREA
	SILVANI	ITALY
	SIMTRONICS	NORWAY
	5.2.1.3.1- POST INDICATOR VALVE	SAKHTAR ENERGY ZHARF
ANGUS FIRE		UK
KENEDY VALVE		CANADA
5.2.1.3.2- SELF OSCILLATING MONITOR	POK	FRANCE
	SHILLA FIRE	KOREA
5.2.1.4- FIRE FIGHTING PUMP ON TRUCK	DACO	S.KOREA
	GODAIVA	UK
	ROSENBAURE	GERMANY / AUSTRIA
	SIDES	FRANCE
	ZIEGLER	GERMANY
5.2.1.5- FIRE BOX	DENA SHIRAZ	IRAN
	ETFAYE HARIGHE BOSTAN	IRAN
	EAMEN PARS	IRAN
	IMEN SAHAND ARYA	IRAN
	IMEN TIAR	IRAN
	KIMIAGAR	IRAN
	NARFOAMKAR	IRAN
	NEGAHBAN	IRAN
	PERSIAN G.P.E	IRAN
	SAKHTAR ENERGY ZHARF	IRAN
	5.2.1.6- GAS DETECTOR SYSTEM	ANSUL
BLACK FIRE		CANADA
B.W		CANADA
CHUBB FIRE		UK
DRÄGER		GERMANY
HOCKE		JAPAN
MINIMAX		GERMANY
SIEMENS		AUSTRALIA / NEW ZEALAND
SILVANI		ITALY
TOTAL WALTHER		GERMANY

	<u>COMPANY NAME</u>	<u>ORIGIN</u>
5.2.1.7- INERT GAS (IG) & CO2 SYSTEM		
	NARFOAM KAR	IRAN
	EUSEBI IMPIANTI	ITALY
	ROTAREX	LUXEMBOURG
	SYSTECOIN	SPAIN

5.2.2- PORTABLE EQUIPMENT

5.2.2.1- EXTINGUISHER

5.2.2.1.1- DRY POWDER / WATER

	AZAR CYLANDR	IRAN
	DARROOS IRAN	IRAN
	IRAN ATASHBAR	IRAN
	IRAN NEJAT	IRAN
	NARFOAM KAR	IRAN
	PISHROW	IRAN
	SAKHTAR ENERGY ZHARF	IRAN
	TOCHAL	IRAN
	YADEGAR	IRAN
	AI GROUP	FRANCE
	ANGUS FIRE LTD.	UK
	BAVARIA	GERMANY
	CHUBB FIRE	UK
	GLORIA	GERMANY
	ROTAREX	LUXEMBOURG
	SIMTRONICS	NORWAY
	TOTAL WALTHER	GERMANY
	VICTORIA	ITALY

* THE EQUIPMENT SUPPLIED BY IRANIAN VENDORS SHOULD BE CERTIFIED BY ISIRI, ALSO TO BE EQUIPPED BY VALVES SUPPLIED FROM OFF-SHORE.

5.2.2.1.2- CO2 / FOAM

	ANGUS FIRE LTD.	UK
	ANSUL	UK
	BAVARIA	GERMANY
	BLACK FIRE	CANADA
	CHUBB FIRE	UK
	GLORIA	GERMANY
	MINIMAX	GERMANY
	SILVANI	ITALY
	TOTAL WALTHER	GERMANY
	VICTORIA	ITALY

5.2.2.2- FIRE MONITOR

	AZAR KHODRO	IRAN
	IMEN SAHAND ARYA	IRAN
	IMEN TIAR	IRAN
	MACHIN ATASHMAHAR NO	IRAN
	PERSIAN G.P.E	IRAN
	SANATKARAN BERMAY CO.	IRAN
	SANGUIN KAR SANAT	IRAN
	ALCO CONTROLS GmbH	GERMANY
	ANGUS FIRE LTD.	UK
	ELKHARTE	UK
	MORITA	JAPAN
	POK	FRANCE
	ROTAREX	LUXEMBOURG
	SILVANI	ITALY
	TOTAL WALTHER	GERMANY
	ZIEGLER	GERMANY

	<u>COMPANY NAME</u>	<u>ORIGIN</u>
5.2.2.3-	<i>PUMP FOR FIRE ENGINE</i>	
	AZAR KHODRO	IRAN
	SANATKARAN BERMU CO.	IRAN
	SANGUIN KAR SANAT	IRAN
	CAMIVA	ITALY
	GODIVA	UK
	HALE	UK
	ROSENBAUER	GERMANY / AUSTRIA
	SILVANI	ITALY
	ZIEGLER	GERMANY

5.2.3- **FIRE TRUCK**

5.2.3.1-	<i>FOAM TENDER , WATER & FOAM TENDER & TANKER</i>	
	AFTAB EKBATAN	IRAN
	ATASH MAHAR NO	IRAN
	MOJTAMA SANAYE HADID	IRAN
	NARFOAM KAR	IRAN
	SANATKARAN BERMU CO.	IRAN
	SANGUIN KAR SANAT	IRAN
	BAI	ITALY
	BARIBBI	ITALY
	CHENETTI	ITALY
	CHUBB NATIONAL FOAM	UK
	JOHN DENNIS COACHBUILDERS LTD	UK
	EMERGENCY ONE	USA / W.EUROPE
	KAR MICHAEL	UK
	METZ	FRANCE
	ROSENBAUER	GERMANY / AUSTRIA
	SAVAL	BELGIUM
	SIDES	FRANCE
	SILVANI	ITALY
	SOMATI	FRANCE
	SUPERIOR	CANADA
	ZIEGLER	GERMANY

	COMPANY NAME	ORIGIN
5.2.3.2-	POWDER TRUCK , RESCUE TRUCK & LADDER , MULTI - PURPOSE	
	ATASH MAHAR NO	IRAN
	NARFOAM KAR	IRAN
	SANGUIN KAR SANAT	IRAN
	BAI	ITALY
	BARIBBI	ITALY
	CHENETTI	ITALY
	CHUBB NATIONAL FOAM	UK
	JOHN DENNIS COACHBUILDERS LTD	UK
	EMERGENCY ONE	USA / NETHERLANDS
	KAR MICHAEL	UK
	METZ	FRANCE
	ROSENBAUER	GERMANY / AUSTRIA
	SAVAL	BELGIUM
	SIDES	FRANCE
	SILVANI	ITALY
	SOMATI	FRANCE
	SUPERIOR	CANADA
	ZIEGLER	GERMANY

5.2.4- GENERAL FIRE FIGHTING MATERIALS & ACCESSORIES

5.2.4.1-	HOSES	
	ANGUS FIRE LTD.	UK
	G & H (GOLLMER & HUMMEL)	GERMANY
	MATEC GROUP	ITALY
	MEHLER	GERMANY
	NAFFCO	UK
	ROSENBAUER	GERMANY / AUSTRIA
	TOTAL WALTHER	GERMANY
	ZIEGLER	GERMANY

5.2.4.2-	FITTING , COUPLING & ADAPTOR	
	IMEN SAHAND ARYA	IRAN
	IMEN TIAR	IRAN
	NEGAHBAN	IRAN
	A.W.G.	GERMANY
	ANGUS FIRE LTD.	UK
	JOHN MORRIS	UK
	MORITA	JAPAN
	POK	FRANCE
	ROSENBAUER	GERMANY / AUSTRIA
	SHILLA FIRE	KOREA
	TOTAL WALTHER	GERMANY

	<u>COMPANY NAME</u>	<u>ORIGIN</u>	
5.2.4.3- NOZZLE	IMEN SAHAND ARYA	IRAN	
	IMEN TIAR	IRAN	
	NEGAHBAN	IRAN	
	ANGUS FIRE LTD.	UK	
	CHUBB FIRE	UK	
	KIDDE FIRE CO.	ITALY	
	FUKU HUDA	JAPAN	
	KNOWSLEY SK LTD.	UK	
	POK	FRANCE	
	PYRENE	CANADA	
	ROSENBAUER	GERMANY / AUSTRIA	
	SHILLA FIRE	KOREA	
	SILVANI	ITALY	
	5.2.4.4- POWDER & FOAM (ONLY MAT'S)	ATASHBAS	IRAN
AZAR KABIN		IRAN	
EYMAN TASH SEPAHAN		IRAN	
LOSHAREH		IRAN	
NARFOAM KAR		IRAN	
AI GROUP		FRANCE	
AJAX		NETHERLANDS	
ANGUS FIRE LTD.		UK	
N.F (NATIONAL FOAM)		UK	
NAFFCO		UK	
PURPLE K		NETHERLANDS	
SABO		FRANCE / ITALY	
SILVANI		ITALY	
TOTAL		FRANCE	
5.2.4.5- CO2 FILLING MACHINE , HOSE BINDING MACHINE , HOSE WINDING MACHINE , BREATHING AIR COMPRESSOR AND POWDER FILLING MACHINE.		AFTAB EKBATAN*	IRAN
		TIGRA	IRAN
	BAVARIA	GERMANY	
	DRÄGER	GERMANY	
	G & H (GOLLMER & HUMMEL)	GERMANY	
	INTERSPIRO	SWEDEN	
	ROSENBAUER	GERMANY / AUSTRIA	
	SILVANI	ITALY	
	WAGNER	GERMANY	
	ZIEGLER	GERMANY	

* HOSE BINDING MACHINE ONLY

5.2.5- FIRE PROOFING SYSTEM

(SUBJECT TO DISCUSSION IN CIVIL ENGINEERING)

COMPANY NAME

ORIGIN

5.2.6- RESCUE SYSTEM EQUIPMENT

BEAL	ITALY
HE / MATRO	NETHERLANDS
LUCAS	UK
NORTH SAFETY	CANADA / W.EUROPE
PETZL	FRANCE
ROSENBAUER	GERMANY / AUSTRIA
ZIEGLER	GERMANY

5.2.7- SAFETY DEVICES

[PPE (PERSONAL PROTECTIVE EQUIPMENT)]

CLAR	IRAN
DENA SHIRAZ	IRAN
IMEN TORK	IRAN
G.S.P	IRAN
HEYAAT	IRAN
IMEN SANAT	IRAN
IMEN TIAR	IRAN
KAFSH MELLI	IRAN
MILAD	IRAN
MOJTAMEH BESAT	IRAN
MO-OD	IRAN
NEGAHBAN	IRAN
SAFE	IRAN
B.W.	CANADA
BRISTOL	UK
CROWCON	UK
DRÄGER	GERMANY
FENZY	FRANCE
INTERSPIRO	SWEDEN
KEMIRA	GERMANY
NORTH SAFETY	CANADA / W.EUROPE
OLDHAM	FRANCE
ROSENBAUER	GERMANY / AUSTRIA
SABER	FRANCE
TEMPEX	UK
TOTAL	FRANCE

5.2.8- SPECIAL ITEMS

5.2.8.1- FALL PROTECTION EQUIPMENT

PETZL	FRANCE
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5.2.8.2- SAFTY VESTS AND SUB SEA WORK EQ.

PETZL	FRANCE
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	COMPANY NAME	ORIGIN
5.2.8.3-	CHEMICAL RESISTANCE ANTI-FIRE CLOTHING	
	MOJTAMA BESAT	IRAN
	NARFOAM KAR	IRAN
	SAKHTAR ENERGY ZHARF	IRAN
	ARTHURE FIRE	CANADA
	BRISTOL	UK
	DRÄGER	GERMANY
	MSA	USA / W.EUROPE
	NORTH SAFETY	CANADA / W.EUROPE
	ROSENBAUER	GERMANY / AUSTRIA

5.2.8.4-	SELF CONTAIN BREATHING APPARATUS (SCBA) / AIR LINE & FILTERING	
	AUER	GERMANY
	DRÄGER	GERMANY
	FENZY	FRANCE/POLAND
	MSA	USA / W.EUROPE
	ROSENBAUER	GERMANY / AUSTRIA

5.2.8.5-	FLAME ARRESTOR	
	KITO	GERMANY

5.3- ENVIRONMENT

5.3.1-	AIR POLLUTION ANALYZER	
	BUHLER TECHNOLOGIES	GERMANY
	ENVIROMENT S.A.	FRANCE
	POLLUTION S.P.A	ITALY
	PROTEA	UK
	TESTO	GERMANY

5.3.2-	STACK FLUE GAS ANALYZER	
	ABB	UK
	APEX	USA / W.EUROPE
	HORIBA	USA / W.EUROPE
	LAND	UK
	MRU	GERMANY
	OP SIS	SWEDEN
	PROTEA	UK
	TESTO	GERMANY

5.3.3-	WASTE WATER PORTABLE ANALYZER	
	EXACT TM	UK
	GO-SYS	GERMANY
	JENWAY	UK
	THERMO	USA / W.EUROPE
	WINDOUS	GERMANY
	W.T.W	GERMANY

5.3.4-	WASTE WATER AUTOMATIC SAMPLING DEVICE	
	ENDRESS & HAUSER	GERMANY
	ISCO	USA / W.EUROPE
	NEMOL	GERMANY
	W.T.W	GERMANY

	<u>COMPANY NAME</u>	<u>ORIGIN</u>
5.3.5- <u>SOIL POLLUTION MONITOR & ANALYZER</u>		
	METROHM APPLIKON	NETHERLANDS
5.3.6- <u>UNDER GROUND WATER MONITOR & ANALYZER</u>		
	KPSI	USA / W.EUROPE
	SEBA	GERMANY
5.3.7- <u>OIL MIST COLLECTORS</u>		
	WILL BE ADVISED LATER	
5.3.8- <u>ONLINE ANALYZER</u>		
5.3.8.1- <u>GAS ON-LINE ANALYZER</u>		
	PAYESH ZIST AZMA (EMACO)	IRAN
	ABB	GERMANY
	CHROMAOTOTEC	FRANCE
	DR.FODISH	GERMANY
	DURAG	GERMANY
	ENVIROMENT SA.	FRANCE
	E.T.G	ITALY
	F.E.R	ITALY
	FUJI ELECTRIC	JAPAN
	M.R.U	GERMANY
	PROCAL	UK
	RB - TECHNOLOGIES	FRANCE
	SERVOMEX	UK
	SIEMENS	GERMANY
	YOKOGAWA	JAPAN
5.3.8.2- <u>WASTE WATER ON-LINE ANALYZER</u>		
	APPLITEK	BELGIUM
	EMERSON	UK
	ENDRESS-HAUSER	SWITZERLAND
	GO-SYS	GERMANY
	HACH-LONGE	USA/GERMANY
	LAR	GERMANY
	METROHM APPLIKON	NETHERLANDS
	PROCESS INSTRUMENT	UK
	SCAN	AUSTRIA
	STIP & PROMINENT	USA / CANADA
	TETHYS INSTRUMENTS	FRANCE
	W.T.W	GERMANY
5.3.8.3- <u>DUST ON-LINE ANALYZER</u>		
	M.I.P	FINLAND
	P.C.M.E	GERMANY
	SICK	GERMANY

6. CIVIL & STRUCTURE

6. CIVIL & STRUCTURE

- 6.1- STEEL STRUCTURE
- 6.2- FALSE FLOOR / CEILING / ALUMINIUM COMPOSITE PANEL
- 6.3- GROUT / ADDITIVE CONCRETE / HARDNER
- 6.4- GALVANIZED COATING
- 6.5- SEALING MATERIAL
 - 6.5.1- **CONCRETE JOINT SEALANT / WATER STOP**
 - 6.5.2- **GEOTEXTILE**
 - 6.5.3- **GEOMEMBRANE**
 - 6.5.4- **ISOLATING MAT'S**
- 6.6- GRATING
 - 6.6.1- **METALIC**
 - 6.6.2- **NON – METALIC**
- 6.7- SPATIAL (SPACE) FRAME
- 6.8- MARINE STRUCTURE
- 6.9- FIRE PROOFING (REGULAR / LIGHT WEIGHT)
- 6.10- PRE - CAST
 - 6.10.1- **CONCRETE**
 - 6.10.2- **NON-CONCRETE**
- 6.11- SANDWICH PANEL
- 6.12- BRIDGE CRANE (E.O.T)
- 6.13- SPECIAL DOOR (EXPLOSION PROOF)
- 6.14- DOUBLE PANE WINDOW
- 6.15- ANCHOR CABLE
- 6.16- NEW MAT'S / COMPONENTS
- 6.17- PRE-FABRICATED BUILDING
 - 6.17.1- **CONCRETE**
 - 6.17.2- **NON-CONCRETE/CONEX**

6.18- ANCHOR BOLTS

6.19- LIGHT WEIGHTED MAT'S

6.20- ACID PROOF TILES

6.21- ACID PROOF MORTARS

6.22- GLASS

6.22.1- *NORMAL*

6.22.2- *ARMY*

6.22.3- *SECURIT*

6.22.4- *DOUBLE GLAZED*

6.22.5- *REFLECTOR/ MIRROR (CONCAVE, CONVEX, FLAT)*

COMPANY NAME

ORIGIN

6.1 - STEEL STRUCTURE

AHANSAY	IRAN
ALBORZ NOVIN SHIRAZ	IRAN
ALFA SAM	IRAN
ARIA FOOLAD SABALAN	IRAN
ARKAN SANAT PAYDAR	IRAN
ASGOON FELEZ SEPAHAN	IRAN
AZAR FELEZAN	IRAN
BAMDAD ZENDEH ROUD	IRAN
ESKELETHAI FOOLAD VA MAKHAZEN IRAN	IRAN
ESTA FELEZ	IRAN
FANAVARI NOVIN NIROO	IRAN
FOOLAD FAN	IRAN
FOOLAD NAGHSH EURASIA	IRAN
FOOLAD PAYA	IRAN
JAHANKAR ESFAHAN	IRAN
JAVAN DEZHPOL	IRAN
KARA SAZEH KIMIYA	IRAN
KAROON SAZEH	IRAN
KOOSHA ENERGY TABARESTAN	IRAN
MACHINE AJZA	IRAN
MACHIN SAZI AZARBAYJANI	IRAN
MACHIN SAZI ARAK	IRAN
MACHIN SAZI ESFAHAN	IRAN
MACHIN SAZI PARS	IRAN
MACHIN SAZI SAZEHAYEH SANATI ASTOTOOS	IRAN
MERAT POULAD	IRAN
METEC	IRAN
MILAD	IRAN
MOHANDESI SABZ ASHIAN APADANA	IRAN
NAFT SAZEH GHESHM	IRAN
NASB SAMAN ARAK	IRAN
NEYRPERS	IRAN
PAYBAND SAZEH	IRAN
PAYSAZ	IRAN
SADAD MACHIN	IRAN
SANAYE FELEZI IRAN	IRAN
SANAYE KOLAHDOZ	IRAN
PARAG SAZEH & PAARAAG INDUSTRIAL GROUP	IRAN
SAZEHAYEH FELEZI SHAHRYAR	IRAN
SAZVAR SAZEH AZARESTAN	IRAN
SOOLEH KAVEH PARS	IRAN

COMPANY NAME

ORIGIN

6.2 - FALSE FLOOR / CEILING / ALUMINIUM COMPOSITE PANEL

ALMICO	IRAN
ALUMINUM BAMKAR	IRAN
AZARAN PLASTIC	IRAN
FATH IRAN	IRAN
GHATAAT FOLADI	IRAN
IRAN SAGHF	IRAN
KNAUF IRAN	IRAN
PARSI TAK	IRAN
PROFILE ALUMINIUM ZIAE	IRAN
RAZIRAN	IRAN
SANAYE ARMIN AZAR	IRAN
SANAYE AYTAK DARB	IRAN
TEHRAN DAMA	IRAN
STEEL SYSTEM	FRANCE

6.3 - GROUT / ADDITIVE CONCRETE / HARDNER

ATROPAT SHIMI	IRAN
BETON SHIMIE KHAVARMIANEH	IRAN
CLINIC SAKHTEMANI IRAN	IRAN
DAMAVAND SEPID	IRAN
FARAVARDEHYE SHIMIAEI SAKHTEMAN	IRAN
FOMAN SHIMI	IRAN
MOHANDESI SHIMI IRAN	IRAN
REZIN BETON BARTAR	IRAN
SANATI REZIN SAZAN FARS	IRAN
SANAYE SHIMI SAKHTEMAN ABADGARAN	IRAN
SHIMI SAKHTEMAN	IRAN
BOSSONG	ITALY
MAZ	GERMANY
SIKA	SWITZERLAND

6.4 - GALVANIZED COATING

IRAN YASA ARAK	IRAN
KHORDEGI GHADIR	IRAN
MERKID	IRAN
NAVARD VA LOOLEH AHWAZ	IRAN
SEPENTA	IRAN
TEHRAN HARA	IRAN
ZENDEH ROOD	IRAN

COMPANY NAME

ORIGIN

6.5 - SEALING MATERIAL

6.5.1- CONCRETE JOINT SEALANT / WATER STOP

ATROPAT SHIMI	IRAN
AYEGHHAYE ROTOBATI	IRAN
CLINIC SAKHTEMANI IRAN	IRAN
FIROZ GAM	IRAN
ISOGAM	IRAN
PASHM SANG IRAN	IRAN
POM CO	IRAN
SANAYE SHIMI SAKHTEMAN ABADGARAN	
SHIMI SAKHTEMAN	IRAN

6.5.2- GEOTEXTILE

BEHSAZ NASJ	IRAN
CHESHMEH SAR YAZD	IRAN
SABZ GOSTAR KANDOVAN	IRAN

6.5.3- GEOMEMBRANE

CHESHMEH SAR YAZD	IRAN
CHIDAK BASPAR	IRAN
SABZ GOSTAR KANDOVAN	IRAN
SEPIDEH SOBH ALAGHEBAND	IRAN
NEROU	SWITZERLAND

6.5.4- ISOLATING MAT'S

AYEGH PARDIS SAEI	IRAN
BAB	IRAN
IDEH SAZAN	IRAN
PASHM & SHISHEH IRAN / THERMO TANK	IRAN
PASHM CERAMIC IRAN	IRAN
PASHM SANG IRAN	IRAN
TARABGIN	IRAN
TARADIS	IRAN

COMPANY NAME

ORIGIN

6.6 - GRATING

6.6.1- METALLIC

ALFA SAM	IRAN
ARAK RAIL	IRAN
DOZHPAD	IRAN
FAZA SAZAN AMIN	IRAN
FELEZ SAZEH	IRAN
FOOLAD DRAKSHAN	IRAN
FOOLAD PERESS	IRAN
GHATEATE FOOLADI	IRAN
MERIK	IRAN
MOSHABAK POUH	IRAN
PARS MOSHABAK	IRAN
SANAYE AYTAK DARB	IRAN
SANAYE FLEZI IRAN	IRAN
TADAROKAT SANATI SEPAHAN	IRAN

6.6.2- NON - METALLIC

PARS MOSHABAK	IRAN
FIBERSTRUCT	THE NETHERLANDS

6.7- SPATIAL (SPACE) FRAME

SANAYE SHAHABADI	IRAN
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6.8 - MARINE STRUCTURE

NAFT SAZEH GHESHM	IRAN
SADRA	IRAN
TASISAT DARYAEI IRAN (IOEC)	IRAN

6.9- FIRE PROOFING (REGULAR / LIGHT WEIGHT)

GILAN MIKA	IRAN
COOL THERM	UK
HOLZHAUER PUMPEN	GERMANY
LAPINUS	THE NETHERLANDS
WARNERISOFI ISOLATION	FRANCE

6.10- PRE - CAST

6.10.1- CONCRETE

AZARIT	IRAN
DOKAL	IRAN
FIAL BETON	IRAN
IRDAK	IRAN
SANAT IRAN	IRAN
SIMAN DOROUD	IRAN
TOSHEH SANAT FAZELAB IRAN	IRAN

COMPANY NAME

ORIGIN

6.10.2- NON-CONCRETE

KNAUF IRAN	IRAN
MAMOUT	IRAN

6.11- SANDWICH PANEL

FABIS	IRAN
GHATATE FOOLADI	IRAN
MAMOUT	IRAN

6.12- BRIDGE CRANE (E.O.T)

AHROM VAZIN	IRAN
ARIAN	IRAN
FARABAR SANAT VAZIN	IRAN
FIROZA	IRAN
IRAN SAKHT CRANE	IRAN
MACHIN SAZI MANGAN	IRAN
MACHIN SAZI PARS	IRAN
SADAD MACHIN	IRAN
SHAHANG VAZIN	IRAN
TEFLER	IRAN
VAZNEH PARS	IRAN
EILBECK CRANES	AUSTRALIA

6.13- SPECIAL DOOR (EXPLOSION PROOF)

SANDOGH NASOZ KAVEH	IRAN
SANDOGH NASOZ KHORAM	IRAN

6.14- DOUBLE PANE WINDOW

ARIAN PAZHANG	IRAN
SANAYE ARMIN AZAR	IRAN
SECO	IRAN

6.15- ANCHOR CABLE

MACHIN SAZI MANGHAN	IRAN
MALAYER WIRE ROPE	IRAN
SADAD MACHIN	IRAN

	<u>COMPANY NAME</u>	<u>ORIGIN</u>
6.16- <u>NEW MAT'S / COMPONENTS</u>		
	SECO	IRAN
6.17- <u>PRE-FABRICATED BUILDING</u>		
6.17.1- <u>CONCRETE</u>		
	WILL BE ADVISED LATER	
6.17.2- <u>NON-CONCRETE / CONEX</u>		
	WILL BE ADVISED LATER	
6.18- <u>ANCHOR BOLTS</u>		
	AZIN PICH	IRAN
	BEHIN FOULAD ATI GOSTAR	IRAN
	FARASAZAN PICH GOSTARE PARS	IRAN
	NIKAN TEK IRANIAN (IRAN TECHNIC)	IRAN
	PETRONUT	IRAN
	POOLAD PEECH KAR	IRAN
	RAWLPLUG	UK
6.19- <u>LIGHT WEIGHTED MAT'S</u>		
	HEBLEX	IRAN
6.20- <u>ACID PROOF TILES</u>		
	ANZAN SANAT POLYMER	IRAN
	KASHI MARJAN	IRAN
6.21- <u>ACID PROOF MORTARS</u>		
	WILL BE ADVISED LATER	
6.22- <u>GLASS</u>		
6.22.1- <u>NORMAL</u>		
	SHISHEH GHAZVIN	IRAN
6.22.2- <u>ARMY</u>		
	SHISHEH GHAZVIN	IRAN
6.22.3- <u>SECURIT</u>		
	SHISHEH GHAZVIN	IRAN
6.22.4- <u>DOUBLE GLAZED</u>		
	SHISHEH GHAZVIN	IRAN
6.22.5- <u>REFLECTOR/ MIRROR (CONCAVE, CONVEX, FLAT)</u>		
	SHISHEH GHAZVIN	IRAN

7. CATALYST / CHEMICALS / OIL

7.1. CATALYST

7.1.1- NON POLYMERIC PLANT

7.1.2- POLYMERIC PLANT

7.2- ADSORBENT, DESORBENT & RESIN

7.2.1- MOLECULAR SIEVE

7.2.2- SILICAGEL / ACTIVATED ALUMINA / ADSORBENTS

7.2.3- ION EXCHANGE RESIN / MEMBRANE

7.2.4- ACTIVATED CARBON

7.3- CHEMICALS / ADDITIVES / ABSORBENTS

7.4- SUPPORT & PACKING

7.5- OIL & GREASE

COMPANY NAME

ORIGIN

7.1. CATALYST

7.1.1- NON POLYMERIC PLANT

AXENS	FRANCE
BASF	GERMANY
BAYER	GERMANY
CECA	FRANCE/JAPAN
CRI	USA / W.EUROPE
EVONIK	GERMANY
EXXON-MOBIL	USA
HALDOR TOPSOE	DENMARK
INEOS	UK/BELGIUM
JOHNSON MATTHEY	UK
KATALEUNA	USA/THE NETHERLANDS
NIPPON SHOKUBAI	JAPAN
PERCHEM	SWITZERLAND
PETROGAS	UK
SCI	UK
SD (SCIENTIFIC DESIGN)	USA
SUD-CHEMIE	GERMANY
SYNETIX	UK
TORAY	JAPAN
UOP	USA / W.EUROPE
ZEOLYST	USA

7.1.2- POLYMERIC PLANT

AKZO NOBEL	USA / W.EUROPE
BASELL	GERMANY
BASF	GERMANY
ETHYL S.A.	USA/BELGIUM
HULS	GERMANY
INOES	UK/FRANCE
INTER CHIM	AUSTRIA
JOHNSON MATTHEY	UK
MITSUI	JAPAN
SCHERING	GERMANY
SIBA - GIEGY	SWITZERLAND
STAUFFER	USA/SWITZERLAND
SUD-CHEMIE	GERMANY
WITCO	GERMANY

COMPANY NAME

ORIGIN

7.2- ADSORBENT, DESORBENT & RESIN

7.2.1- MOLECULAR SIEVE

NITEL PARS	IRAN
AXENS	FRANCE
CECA	FRANCE
ENITECNI	SWITZERLAND
MITSUI	JAPAN
SIBEL HEGNER	JAPAN
UNION SHOWA	JAPAN
ZEOCHEM	SWITZERLAND

7.2.2- SILICAGEL / ACTIVATED ALUMINA / ADSORBENTS

JAHAD DANESHGAHI SHARIF	IRAN
AIRSEC S.A.	FRANCE
ARKEMA CANADA INC.	CANADA
AXENS	FRANCE
CECA	FRANCE
JOHNSON MATTHEY	UK
GEEJAY CHEMICAL	UK

7.2.3- ION EXCHANGE RESIN / MEMBRANE

BAYER	GERMANY
DOW DOW CHEMICAL CO. LTD.	UK
FIMTEC	USA
HYDRONATIC	CANADA
PROULITE	UK
ROHM & HAAS	UK / ITALY
TORAY	JAPAN

7.2.4- ACTIVATED CARBON

PAD ARVIN	IRAN
SHIMI PAJOOHAN	IRAN
DOW DOW CHEMICAL CO. LTD.	UK
JACOBI CARBONS AB	SWEDEN

COMPANY NAME

ORIGIN

7.3- CHEMICALS / ADDITIVES / ABSORBENTS

ABTIN REZIN	IRAN
ASAD SHIMI SEPAHAN	IRAN
CHASSB SAZ SARI	IRAN
ELMI SAZAN PEESHROW	IRAN
EMEN TASH SEPAHAN	IRAN
ENERGY SEMNAN	IRAN
EXIR KIMIAGAR ZARRIN	IRAN
FAKHR CHEMIE RAZAN	IRAN
FARAVAR PAJOOHESH RAZI	IRAN
FARSHID SHAHREZA	IRAN
IRANOL	IRAN
JAHAD DANESHGAHI SHARIF	IRAN
KAROON SHIMI KHOOZESTAN	IRAN
KIMIA MAHAN ALBORZ	IRAN
MAHAM PARCHIN	IRAN
MAVAD SHIMIAI	IRAN
MEHRTASH SEPAHAN	IRAN
NARBON	IRAN
NIROO CHLOR	IRAN
PADRAVIN	IRAN
PARS CHLOR	IRAN
PARS LIAN	IRAN
PETRO POOYESH KIMIA	IRAN
ROUDBAR TOUTIA	IRAN
SADR CHEMIE	IRAN
SALAR SHIMI SHAHRYAR	IRAN
SANAYEH DEFA SHIMIAYEE	IRAN
SHIMIAYEE FARS SHIRAZ	IRAN
SHIMIAEE TASFIEH	IRAN
SIMAB REZIN	IRAN
SINA CHEMICAL INDUSTRIAL COMPANY	IRAN
SULFUR SODIUM IRAN	IRAN
TAJDAR SAMAN	IRAN
ZOHAL CHEMI	IRAN
AAE CHEMIE	SWITZERLAND
AKZO NOBEL	THE NETHERLANDS
AREMA	FRANCE
ARKEMA	FRANCE
ASHI DENKA	JAPAN
BARABANT	UK
BASF	GERMANY
BAYER	GERMANY
BECKMANN	GERMANY
BETZ	ITALY

<u>COMPANY NAME</u>	<u>ORIGIN</u>
BOLTH	UK
BUDENHEM	GERMANY
BWA	UK
CHAMPION	UK
CHEMCOR	THE NETHERLANDS
CHEMICAL INDUSTRIES	THE NETHERLANDS
CHIMEC	ITALY
CIBA	SWITZERLAND
DARACOR	FRANCE
DEGUSSA	FRANCE
DYCAR INT	UK
ENITECNI	SWITZERLAND
ERWIN H-BRAMMER	GERMANY
FACI	ITALY
HACHEM	GERMANY
HENKEL	GERMANY
HERCULES	UK
HOTAN	SWITZERLAND
HOZART	IRELAND
ICI KATALCO	UK
INTER CHEM	AUSTRIA
IRMECO GMBH	GERMANY
MATERTEC	SWITZERLAND
MESSER	UK
MITSUI	JAPAN
NALCO	ITALY
NORIT	THE NETHERLANDS
PERCHEM	SWITZERLAND
PETRO VLISL	THE NETHERLANDS
SOJITZ	JAPAN
STEPAN EUROPE	GERMANY
STEULER	GERMANY
SUDCHEMICAL	GERMANY
VOGLER	SWITZERLAND
WATERTEC	SWITZERLAND
WITCO	GERMANY

COMPANY NAME

ORIGIN

7.4- SUPPORT & PACKING

ARDAKAN CERAMIC	IRAN
AZAR ENERGY	IRAN
DAMAVAND FELEZ (MONTZ)	IRAN / GERMANY
FARAALIAJ ARAK	IRAN
GAHR CERAM	IRAN
MABNA GOSTAR SEPAHAN	IRAN / GERMANY
PAYDAR	IRAN
POLIKA KARAJ	IRAN
SANAYE CERAMIC TEHRAN	IRAN
SANAYE PANTAN CHEMI	IRAN
SETAREH SANAT TOOS	IRAN
SHIRIN YAR TEHRAN	IRAN
TAVAN AFZAR	IRAN
TAVANKARAN SANAT	IRAN
BASF	GERMANY
MTE	NETHERLANDS
PERCHEM	SWITZERLAND
SAINT - GOBAIN NOR-PRO	THE NETHERLANDS
VEREINIGTE FULLKORPER	GERMANY
VOGLER	THE NETHERLANDS
WATERTEC	SWITZERLAND

7.5- OIL & GREASE

ASIA GULEH	IRAN
BEHRAN	IRAN
BEHTOTAL	IRAN
IRANOL	IRAN
NAFT PARS	IRAN
NAFT SEPAHAN	IRAN
PALAYESH SHOMAL	IRAN
AGIP	ITALY
BP	UK
CPI	USA
ESSO	W.EUROPE
EXXON MOBIL	W.EUROPE
MOLYKOTE	W.EUROPE
SHELL	UK
TOTAL FINA ELF	FRANCE

8. LABORATORY EQUIPMENT

8 - LABORATORY

8.1- CHROMATOGRAPHY

8.1.1- GAS CHROMATOGRAPH /MASS SPECTROSCOPE (GC , GC / MS)

8.1.2- HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC)

8.1.3- ION CHROMATOGRAPHY (IC)

8.2- SPECTROPHOTOMETER

8.2.1- FOURIER TRANSFORMER INFRARED (FTIR) , INFRA RED (IR)

8.2.2- ULTRA VIOLET (UV / UV VISIBLE)

8.2.3- INDUCTIVELY COUPLED PLASMA / MASS (ICP, ICP / MS)

8.2.4- EMISSION SPECTROSCOPE (ES)

8.2.5- ATOMIC ABSORPTION (AA)

8.2.6- X-RAY FLUORESCENCE (XRF) / X-RAY DIFFRACTION (XRD)

8.2.7- FLAME PHOTOMETER

8.3- AIR ANALYZER

8.4- O2 ANALYZER (DISSOLVER)

8.5- O2 ANALYZER (GAS)

8.6- WATER ANALYZER

8.7- ION SELECTIVE

8.8- OIL ANALYZER

8.8.1- FLASH/ POUR/CLOUD POINT

8.8.2- VISCOSITY

8.8.3- WATER IN OIL

8.8.4- LIQUID DENSITY METER

8.9- ELEMENTAL (CHNOS) ANALYZER

8.10- POLYMER TEST EQUIPMENT

8.10.1- PHYSICAL

8.10.1.1- BRITTLINESS TEMPERATURE

8.10.1.2.- BULK DENSITY

8.10.1.3- DENSITYMETER (WITH BALANCE)

8.10.1.4-DIFFERENTIAL SCANNING CALORIMETER (DSC)

8.10.1.5- DIFFERENTIAL THERMAL ANALYZER (DTA)

8.10.1.6- BALL DROP

8.10.1.7- ELECTRICAL RESISTANCE METER

8.10.1.8- ENVIRONMENT STRESS CORROSION RESISTANCE(ESCR)

8.10.1.9- GLOSS METER

8.10.1.10- DENSITY METER (GRADIENT)

- 8.10.1.11- *HARDNESS TESTER*
- 8.10.1.12- *HAZE METER*
- 8.10.1.13- *HDT / VICAT*
- 8.10.1.14- *IZOD IMPACT*
- 8.10.1.15- *MELT FLOW INDEX (MFI)*
- 8.10.1.16- *MELTING POINT*
- 8.10.1.17- *MICROMETER*
- 8.10.1.18- *TENSILE & FLEXURAL*
- 8.10.1.19- *TGA*
- 8.10.1.20- *VOLATILENESS METER (WITH BALANCE)*
- 8.10.1.21- *VOLATILE METER*
- 8.10.1.22- *NOTCHING MACHINE*
- 8.10.1.23- *DART DROP IMPACT*
- 8.10.1.24- *GEL PERMEATION CHROMATOGRAPH (GPC)*
- 8.10.1.25- *PIPE TESTER*
- 8.10.1.26- *LIMITED OXYGENATION INDEX (LOI)*
- 8.10.1.27- *TEAR TESTER*
- 8.10.1.28- *YELLOW / WHITE INDEX TESTER*
- 8.10.1.29- *PLAX TESTER*

8.10.2 - TECHNICAL

- 8.10.2.1- *BALL MILL MIXER*
- 8.10.2.2- *BLOW FILM*
- 8.10.2.3- *BLOW MOULDING*
- 8.10.2.4- *CAST FILM*
- 8.10.2.5- *INJECTION*
- 8.10.2.6- *PIPE EXTRUDER*
- 8.10.2.7- *PRESS*
- 8.10.2.8- *PELLETIZER*

8.11- GENERAL ITEMS

- 8.11.1- *ANALYTICAL BALANCE*
- 8.11.2- *CENTRIFUGE*
- 8.11.3- *COLORIMETER (UV)*
- 8.11.4- *COLORIMETER (SAYBOLT)*
- 8.11.5- *COLORIMETER (COMPERATOR)*
- 8.11.6- *CONTAMINATING METER*
- 8.11.7- *BOD / COD / TOC METER*
- 8.11.8.1- *AIR / N2 / H2 GENERATOR*
- 8.11.8.2- *OZONE GENERATOR*
- 8.11.9- *DEMINERALIZED WATER (DM WATER MAKER)*
- 8.11.10- *DENSITY METER*
- 8.11.11- *DEW POINT*
- 8.11.12- *DISTILLATION*
- 8.11.13- *EXPLOSION PROOF REFRIGERATOR*
- 8.11.14- *FURNACE*
- 8.11.15- *HOT PLATE / STRIPPER / MANTLE*

- 8.11.16- INDUCTION PERIOD
- 8.11.17- KARL-FISCHER TITRATOR (COULOMETRY / VOLUMETRIC)
- 8.11.18- OVEN / INCUBATOR
- 8.11.19- PARTICLE SIZE (LASERIC)
- 8.11.20- PH METER
- 8.11.21-REID VAPOUR PRESSURE (RVP)
- 8.11.22-REFRACTO METER
- 8.11.23-PARTICLE SIZE (SIEVE SHAKER)
- 8.11.24-STOP WATCH
- 8.11.25-TECHNICAL BALANCE
- 8.11.26-TITRATOR
- 8.11.27-TURBIDITY METER
- 8.11.28-ULTRASONIC BATH
- 8.11.29-VACUUM PUMP
- 8.11.30-WATER BATH
- 8.11.31-HVAC

8.12- SPECIAL SOFT / HARDWARE

- 8.12.1- LABORATORY INFORMATION MANAGEMENT SYSTEM

8.13- LABORATORY GLASSWARE

8.14- LABORATORY CHEMICALS

8.15- LABORATORY FURNITURE

- 8.15.1- ACID PROOF TILES
- 8.15.2- ACID PROOF MORTARS

8.16- SAMPLING EQUIPMENT

- 8.16.1- NEEDLE VALVE
- 8.16.2- CYLINDER
- 8.16.3- QUICK CONNECTION
- 8.16.4- HOSE
 - 8.16.4.1- GENERAL HOSE
 - 8.16.4.2- H.P HOSE FOR HYDRAULIC SYSTEM
- 8.16.5- RUBBER BLADDER

8.17- CALIBRATION & STANDARD GASES

8.18- CONSUMABLE GOODS

COMPANY NAME

ORIGIN

8.1- CHROMATOGRAPHY

8.1.1- GAS CHROMATOGRAPH /MASS SPECTROSCOPE (GC , GC / MS)

AGILENT TECHNOLOGIES	UK
G.A.S	THE NETHERLANDS
HP	USA / THE NETHERLANDS
M&I LABTECH	BELGIUM
PHILIPS	THE NETHERLANDS
SHIMADZU	JAPAN
SIEMENS	GERMANY
VARIAN CHROMPACK	USA / THE NETHERLANDS

8.1.2- HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC)

HP	USA / NETHERLANDS
PHILIPS	THE NETHERLANDS
VARIAN CHROMPACK	USA /THE NETHERLANDS

8.1.3- ION CHROMATOGRAPHY (IC)

METROHM	SWITZERLAND
WATERS	USA/W.EUROPE

8.2- SPECTROPHOTOMETER

8.2.1- FOURIER TRANSFORMER INFRARED (FTIR) , INFRA RED (IR)

BRUCKER	GERMANY
JASCO	JAPAN
PERKIN ELMER	USA / W.EUROPE
PHILIPS	THE NETHERLANDS
SHIMADZU	JAPAN
THERMOELECTRON	W.EUROPE
VARIAN CHROMPACK	USA / W.EUROPE

8.2.2- ULTRA VIOLET (UV / UV VISIBLE)

CARRY	USA / W.EUROPE
CECIL	UK
HACH	USA
PERKIN ELMER	USA / W.EUROPE
PHILIPS	THE NETHERLANDS
VARIAN CHROMPACK	USA / THE NETHERLANDS
WTW	USA/GERMANY

8.2.3- INDUCTIVELY COUPLED PLASMA / MASS (ICP, ICP / MS)

PERKIN ELMER	USA / W.EUROPE
PHILIPS	THE NETHERLANDS
VARIAN CHROMPACK	USA / W.EUROPE

<u>COMPANY NAME</u>	<u>ORIGIN</u>
8.2.4- EMISSION SPECTROSCOPE (ES)	
PERKIN ELMER	USA / W.EUROPE
PHILIPS	THE NETHERLANDS
THERMOELECTRON	W.EUROPE
VARIAN CHROMPACK	USA / THE NETHERLANDS
8.2.5- ATOMIC ABSORPTION (AA)	
PERKIN ELMER	USA / W.EUROPE
PHILIPS	NETHERLANDS
THERMOELECTRON	W.EUROPE
VARIAN CHROMPACK	USA / THE NETHERLANDS
8.2.6- X-RAY FLUORESCENCE (XRF) / X-RAY DIFFRACTION (XRD)	
PANALYTICAL (PHILIPS)	UK / THE NETHERLANDS
8.2.7- FLAME PHOTOMETER	
PERKIN ELMER	USA/W.EUROPE
SHIMADZU	JAPAN
8.3- AIR ANALYZER	
ENVIRONMENT S.A.	FRANCE
HORIBA	W.EUROPE
MCZ	GERMANY
TESTO	GERMANY
8.4- O2 ANALYZER (DISSOLVER)	
HACH	USA / W.EUROPE
METROHAM	SWITZERLAND
METTLER	SWITZERLAND
TOA-DKK	JAPAN
WTW	GERMANY
8.5- O2 ANALYZER (GAS)	
SERVOMEX	GERMANY
TELEDYNE	USA / W.EUROPE
8.6- WATER ANALYZER	
METROHM	SWITZERLAND
METTLER	SWITZERLAND
MILLIPORE	USA/W.EUROPE
SARTORIUS	GERMANY
WTW	GERMANY
8.7- ION SELECTIVE	
METROHM	SWITZERLAND
WATERS	USA / W.EUROPE
WTW	GERMANY

	<u>COMPANY NAME</u>	<u>ORIGIN</u>
8.8- <u>OIL ANALYZER</u>		
8.8.1- <u>FLASH/ POUR/CLOUD POINT</u>		
	HERZOG	GERMANY
	PAC-ISL SA	FRANCE
	PETROTEST	GERMANY
8.8.2- <u>VISCOSITY</u>		
	ANTON PAAR	AUSTRIA
	HERZOG	GERMANY
	KOEHLER	USA / W.EUROPE
	LAUDA	AUSTRIA
	PERKIN ELMER	USA / W.EUROPE
8.8.3- <u>WATER IN OIL</u>		
	METROHM	SWITZERLAND
	METTLER	SWITZERLAND
8.8.4- <u>LIQUID DENSITY METER</u>		
	METTLER	SWITZERLAND
8.9- <u>ELEMENTAL (CHNOS) ANALYZER</u>		
	TSHR	THE NETHERLANDS
8.10- <u>POLYMER TEST EQUIPMENT</u>		
8.10.1- <u>PHYSICAL</u>		
8.10.1.1- <u>BRITTLENESS TEMPERATURE</u>		
	CEAST	ITALY
	ZWICK	GERMANY
8.10.1.2- <u>BULK DENSITY</u>		
	CEAST	ITALY
	ZWICK	GERMANY
8.10.1.3- <u>DENSITYMETER (WITH BALANCE)</u>		
	METTLER	SWITZERLAND
	SARTORIUS	GERMANY
8.10.1.4- <u>DIFFERENTIAL SCANNING CALORIMETER (DSC)</u>		
	METTLER	SWITZERLAND
	PERKIN ELMER	USA / W.EUROPE
	PHILIPS	SWITZERLAND
8.10.1.5- <u>DIFFERENTIAL THERMAL ANALYZER (DTA)</u>		
	METTLER	SWITZERLAND
	PERKIN ELMER	USA / W.EUROPE
	PHILIPS	THE NETHERLANDS

	<u>COMPANY NAME</u>	<u>ORIGIN</u>
8.10.1.6- BALL DROP	CEAST	ITALY
8.10.1.7- ELECTRICAL RESISTANCE METER	CEAST	ITALY
	ZWICK	GERMANY
8.10.1.8- ENVIRONMENT STRESS CORROSION RESISTANCE(ESCR)	CEAST	ITALY
	RAY RAN	W.EUROPE
	ZWICK	GERMANY
8.10.1.9- GLOSS METER	AMETEC / DAVEN PORT	W.EUROPE
	CEAST	ITALY
	GARDNER	JAPAN
	ZWICK	GERMANY
8.10.1.10- DENSITY METER (GRADIENT)	GARD CO.	JAPAN
8.10.1.11- HARDNESS TESTER	WILL BE ADVISED LATER	
8.10.1.12- HAZE METER	GARDNER	JAPAN
8.10.1.13- HDT / VICAT	WILL BE ADVISED LATER	
8.10.1.14- IZOD IMPACT	AMETEC / DAVEN PORT	W.EUROPE
	CEAST	ITALY
	ZWICK	GERMANY
8.10.1.15- MELT FLOW INDEX (MFI)	CEAST	ITALY
	ZWICK	GERMANY
8.10.1.16- MELTING POINT	CEAST	ITALY
	YAMATO	JAPAN
	ZWICK	GERMANY

	<u>COMPANY NAME</u>	<u>ORIGIN</u>
8.10.1.17- MICROMETER		
	CEAST	ITALY
	MITUTOYO	JAPAN
	ZWICK	GERMANY
8.10.1.18- TENSILE & FLEXURAL		
	ADAMEL	FRANCE
	INSTRON	UK
	LLOYD	W.EUROPE
8.10.1.19- TGA		
	METTLER	SWITZERLAND
	PERKIN ELMER	USA / W.EUROPE
	PHILIPS	THE NETHERLANDS
8.10.1.20- VOLATILENESS METER (WITH BALANCE)		
	WILL BE ADVISED LATER	
8.10.1.21- VOLATILE METER		
	HERAEUS	GERMANY
	POR-LABO	FRANCE
	THERMOELECTRON	W.EUROPE
8.10.1.22- NOTCHING MACHINE		
	CEAST	ITALY
	ZWICK	GERMANY
8.10.1.23- DART DROP IMPACT		
	CEAST	ITALY
	DYNISCO	USA / W.EUROPE
	ZWICK	GERMANY
8.10.1.24- GEL PERMISSION CHROMATOGRAPH (GPC)		
	CEAST	ITALY
	HP	USA / THE NETHERLANDS
	PHILIPS	THE NETHERLANDS
	THERMOELECTRON	W.EUROPE
	VARIAN CHROMPACK	USA / W.EUROPE
	WATERS	USA / W.EUROPE

	<u>COMPANY NAME</u>	<u>ORIGIN</u>
8.10.1.25- PIPE TESTER		
	CEAST	ITALY
	IPT	GERMANY
8.10.1.26- LIMITED OXYGENATION INDEX (LOI)		
	CEAST	ITALY
	DYNISCO	UK
8.10.1.27- TEAR TESTER		
	CEAST	ITALY
	DAVENPORT	
	ZWICK	GERMANY
8.10.1.28- YELLOW / WHITE INDEX TESTER		
	MINOLTA	JAPAN
8.10.1.29- PLAX TESTER		
	CEAST	ITALY
	INFRASERV	GERMANY
	ZWICK	GERMANY
8.10.2- TECHNICAL		
8.10.2.1- BALL MILL MIXER		
	WEBER	GERMANY
8.10.2.2- BLOW FILM		
	DR.COLLIN	GERMANY
	REIFENHÄUSER	GERMANY
	WEBER	GERMANY
8.10.2.3- BLOW MOULDING		
	BEKUM	W.EUROPE
	DR.COLLIN	GERMANY
	REIFENHÄUSER	GERMANY
8.10.2.4- CAST FILM		
	DR.COLLIN	GERMANY
	REIFENHÄUSER	GERMANY
	WEBER	GERMANY
8.10.2.5- INJECTION		
	ARBURG	GERMANY
	BATTENFELD	GERMANY
	BILLION	UK
	DR.COLLIN	GERMANY
	HERBERG	GERMANY
	NEGRI BOSSI S.P.A.	ITALY

<u>COMPANY NAME</u>	<u>ORIGIN</u>
REIFENHÄUSER	GERMANY
WEBER	GERMANY
8.10.2.6- PIPE EXTRUDER	
BATTENFELD	GERMANY
BILLION	GERMANY
DR.COLLIN	GERMANY
HERBERG	GERMANY
REIFENHÄUSER	GERMANY
WEBER	GERMANY
8.10.2.7- PRESS	
CEAST	ITALY
DR.COLLIN	GERMANY
8.10.2.8- PELLETIZER	
BATTENFELD	GERMANY
DR.COLLIN	GERMANY
HERBERG	GERMANY
REIFENHÄUSER	GERMANY
WEBER	GERMANY
8.11- GENERAL ITEMS	
8.11.1- ANALYTICAL BALANCE	
A&D	UK
ADAMLAB	UK
HAEBERLE	GERMANY
METTLER	SWITZERLAND
OHAUS	GERMANY
SARTORIUS	GERMANY
8.11.2- CENTRIFUGE	
CENTRINO	UK
HERAEUS	GERMANY
SIGMA / ALDRICH	GERMANY
8.11.3- COLORIMETER (UV)	
HACH	USA
PERKIN ELMER	USA / W.EUROPE
SHIMADZU	JAPAN
VARIAN	USA / W.EUROPE
8.11.4- COLORIMETER (SAYBOLT)	
LOVIBOND	GERMANY

	COMPANY NAME	ORIGIN
8.11.7- BOD / COD / TOC METER		
	HACH	USA / W.EUROPE
	WTW	GERMANY
8.11.8.1- AIR / N2 / H2 GENERATOR		
	HAVA ABZARE TEHRAN (HATCO)	IRAN
	OZONEAB	IRAN
	DOMNICK	UK
	PEAK SCIENTIFIC	UK
	SCHMIDLIN-DBS AG	GERMANY
8.11.8.2- OZONE GENERATOR		
	OZONEAB	IRAN
8.11.9- DEMINERALIZED WATER (DM WATER MAKER)		
	ELGA	UK
	TKA	GERMANY
	MILLIPORE	GERMANY
8.11.10- DENSITY METER		
	ANTON PAAR	SWITZERLAND
	METROHM	SWITZERLAND
	METTLER	SWITZERLAND
8.11.11- DEW POINT		
	SHAW	UK
8.11.12- DISTILATION		
	HERZOG	GERMANY
	KOEHLER	USA / W.EUROPE
	NORMALAB	GERMANY
	PETROTEST	GERMANY
8.11.13- EXPLOSION PROOF REFRIGERATOR		
	FISHER SCIENTIFIC	GERMANY
	LABCOLD	GERMANY
	LABLINE	USA / W.EUROPE
8.11.14- FURNACE		
	HERAEUS	GERMANY
	STRIKO	GERMANY
8.11.15- HOT PLATE / STRIPPER / MANTLE		
	COLE PARMER	USA / W.EUROPE
	HAEBERLE	GERMANY
	HEIDOLPH	GERMANY
	IKA	GERMANY
	SCHCOTT	GERMANY
8.11.16- INDUCTION PERIOD		
	KOHLER	USA / W.EUROPE



	COMPANY NAME	ORIGIN
8.11.17- KARL-FISCHER TITRATOR (COULOMETRY / VOLUMETRIC)		
	METROHM	SWITZERLAND
	METTLER	SWITZERLAND
8.11.18- OVEN / INCUBATOR		
	COLE PARMER	USA / W.EUROPE
	HAEBERLE	GERMANY
	HERAEUS	GERMANY
	IKA	GERMANY
	MEMERT	GERMANY
	THERMOELECTRON	W.EUROPE
8.11.19- PARTICLE SIZE (LASERIC)		
	MALVERN	UK
	METROHM	SWITZERLAND
	RETSCH	GERMANY
8.11.20- PH METER		
	FISCHER	GERMANY
	HACH	GERMANY
	METROHM	SWITZERLAND
	METTLER	SWITZERLAND
	WTW	GERMANY
8.11.21- REID VAPOUR PRESSURE (RVP)		
	HERZOG	GERMANY
8.11.22- REFRACTO METER		
	COLE PARMER	USA / W.EUROPE
	METROHM	SWITZERLAND
	METTLER	SWITZERLAND
8.11.23- PARTICLE SIZE (SIEVE SHAKER)		
	ATS FAAR	ITALY
	HOSOKAWA	JAPAN
	RETSCH	GERMANY
8.11.24- STOP WATCH		
	DRÄGER	GERMANY
	MILLIPORE	USA / W.EUROPE
	PERKIN ELMER	USA / W.EUROPE
8.11.25- TECHNICAL BALANCE		
	A&D	UK
	METTLER	SWITZERLAND
	OHAUS	GERMANY
	SARTORIUS	GERMANY

	<u>COMPANY NAME</u>	<u>ORIGIN</u>
8.11.26- TITRATOR	METTLER	SWITZERLAND
	METROHM	SWITZERLAND
8.11.27- TURBIDITY METER	HACH	GERMANY
	WTW	GERMANY
8.11.28- ULTRASONIC BATH	IKA	GERMANY
	SONOREX	GERMANY
8.11.29- VACUUM PUMP	STERLING	GERMANY
	BRAND GMBH	GERMANY
8.11.30- WATER BATH	HUBER	GERMANY
	JULABO	GERMANY
	LAUDA	GERMANY
	MEMERT	GERMANY
8.11.31- HVAC	WILL BE ADVISED LATER	
8.12- <u>SPECIAL SOFT / HARD WARE</u>		
8.12.1- LABORATORY INFORMATION MANAGEMENT SYSTEM		
	THERMOELECTRON	W.EUROPE
8.13- <u>LABORATORY GLASSWARE</u>		
	BRAND GMBH	GERMANY
	B.B.STERLLING	UK
	HAEBERLE	GERMANY
	SCHOTT - DURAN	GERMANY
8.14- <u>LABORATORY CHEMICALS</u>		
	ACROSS	USA / W.EUROPE
	ALDRICH	USA / W.EUROPE
	FLUCKA	USA / W.EUROPE
	MERCK	GERMANY
	ROMIL	UK
	SIGMA	USA / W.EUROPE

	<u>COMPANY NAME</u>	<u>ORIGIN</u>
8-15- <u>LABORATORY FURNITURE</u>		
8.15.1- ACID PROOF TILES		
	ARVIN TEC	IRAN
	AZAR PARS TAJHIZ	IRAN
	FARAYAD TEHRAN	IRAN
	FARPAJOOH	IRAN
	KASHI MARJAN	IRAN
	SHIMA	IRAN
	TEHRAN NOAVAR	IRAN
8-16- <u>SAMPLING EQUIPMENT</u>		
8.16.1- NEEDLE VALVE		
	MIRAB	IRAN
	PARKER	USA / W.EUROPE
	SUPELCO / SIGMA-ALDRICH	USA / W.EUROPE
	SWAGELOK	GERMANY
8.16.2- CYLINDER		
	PARKER	USA / W.EUROPE
	SUPELCO / SIGMA-ALDRICH	USA / W.EUROPE
	SWAGE-LOCK	GERMANY
8.16.3- QUICK CONNECTION		
	PARKER	USA / W.EUROPE
	SUPELCO / SIGMA-ALDRICH	USA / W.EUROPE
	SWAGELOK	GERMANY
8.16.4- HOSES		
8.16.4.1- GENERAL HOSES		
	PARKER	USA / W.EUROPE
	SUPELCO / SIGMA-ALDRICH	USA / W.EUROPE
	SWAGELOK	GERMANY
8.16.4.2- H.P HOSE FOR HYDRAULIC SYS.		
	HANSA FLEX	GERMANY
8-17- <u>CALIBRATION & STANDARD GASES</u>		
	AIR LIQUIDE	FRANCE
	AIR PRODUCTS	USA / W.EUROPE
	B.O.C.	UK
	LINDE	GERMANY
	STIKO	NETHERLANDS
8-18- <u>CONSUMABLE GOODS</u>		
	DRAGER	GERMANY
	JULABO	GERMANY
	KERN	GERMANY
	LABCOLD	USA / W.EUROPE
	MILLIPORE	USA / W.EUROPE
	SUPELCO / SIGMA-ALDRICH	USA / W.EUROPE

9. WORK SHOP & MAINTENANCE EQUIPMENT

9.1- MECHANICAL EQUIPMENT

9.1.1- MACHINE SHOP

- 9.1.1.1- BENDING MACHINE**
- 9.1.1.2- BEVELING MACHINE**
- 9.1.1.3- MILLING MACHINE**
- 9.1.1.4- LATHE MACHINE**
- 9.1.1.5- DIE MACHNIE**
- 9.1.1.6- DYNAMIC BALANCING MACHINE**
- 9.1.1.7- DRILLING MACHNIE**
- 9.1.1.8- GRINDER MACHNIE**
- 9.1.1.9- CUTTING MACHNIE**
- 9.1.1.10- ROLLING MACHINE**
- 9.1.1.11- BORING MACHINE**
- 9.1.1.12- SHAPPING MACHINE**

9.1.2- VALVE SHOP

- 9.1.2.1- VLAVE TEST BENCH**
- 9.1.2.2- LAPPING MACHINE**
- 9.1.2.3- RING & GASKET CUTTER / PACKING CUTTER**

9.1.3- WELDING SHOP

- 9.1.3.1- ELECTRODE OVEN**
- 9.1.3.2- POLYETHYLENE WELDING EQUIPMENT**
- 9.1.3.3- WELDING MACHNIE**
- 9.1.3.4- STRESS RELIEF ELEMENTS**
- 9.1.3.5- PLASMA CUTTING**

9.1.4- PUMP SHOP

- 9.1.4.1- HYDROSTATIC TEST PUMP**

9.1.5 AUXILIARY

- 9.1.5.1- CHAIN HOIST**
- 9.1.5.2- GANTRY/MOBILE CRANE**
- 9.1.5.3- JET CLEANER**
- 9.1.5.4- AIR COMPRESSOR**
- 9.1.5.5- CHAIN BLOCK**
- 9.1.5.6- HOT TAP**
- 9.1.5.7- HYDRAULIC PRESS**
- 9.1.5.8- HOLIDAY TEST EQUIPMENT**
- 9.1.5.9- ALIGNMENT TOOLS**
 - 9.1.5.9.1- DIAL GAUGE**
 - 9.1.5.9.2- LASER**
- 9.1.5.10- PROTABLE FLANGE FACE**
- 9.1.5.11- STROBOSCOPE**
- 9.1.5.12- TUBE EXPANDER**
- 9.1.5.13- VIBRATION METER & ANALYZER**
- 9.1.5.14- COATING THICKNESS GAUGE METER**

- 9.1.5.15- *HYDRAULIC BEARING REMOVAL TOOL*
- 9.1.5.16- *FORMING MACHINE*
- 9.1.5.17- *GRINDING MACHINE*
- 9.1.5.18- *AXIAL/CYLINDRICAL GRINDING MACHINE*
- 9.1.5.19- *ELECTRICAL LIFT TRUCK*

9.1.6- *HIGH TEC.SPARE PARTS (CRITICAL MACHINERY)*

- 9.1.6.1- *BLADE & VANE*
- 9.1.6.2- *BEARING*
- 9.1.6.3- *ROTOR (SHAFT & DISK)*
- 9.1.6.4- *IMPELLER*
- 9.1.6.5- *MECHANICAL/LIQUID & DRY GAS SEAL TYPE (PARTS & COMPLETED)*
- 9.1.6.6- *NOZZLE & COMBUSTOR*
- 9.1.6.7- *SUCTION/DISCHARGE VALVE*
- 9.1.6.8- *CUTTER BLADE*
- 9.1.6.9- *RUPTURE DISC*

9.2- INSTRUMENTATION EQUIPMENT

9.2.1- COUNTER TIMER

9.2.2- DEAD WEIGHT TESTER

9.2.3- ELECTRONIC BENCH TEST

9.2.4- FIELD BUS CALIBRATOR

9.2.5- FREQUENCY METER

9.2.6- HART COMMUNICATOR

9.2.7- IC TESTER

9.2.8- MEMORY PROGRAMMER/ERASER

9.2.9- OIL BATH/OVEN

9.2.10- OSCILLOSCOPE

9.2.11- PNEUMATIC TEST BENCH

9.2.12- PNEUMATIC HAND PUMP

9.2.13- PORTABLE 24 VDC POWER SUPPLY

9.2.14- PORTABLE CALIBRATOR WITH DIGITAL MANOMETER

9.2.15- PORTABLE DIGITAL MULTIMETER

9.2.16 DC CLAMP MILLI AMMETER

- 9.2.17- PORTABLE HAND HELD TACHOMETER
- 9.2.18- PORTABLE MANOMETER DIGITAL / ANALOGUE TYPE
- 9.2.19- PORTABLE PNEUMATIC CALIBRATOR
- 9.2.20- PORTABLE SIGNAL GENERATOR
- 9.2.21- PORTABLE SURFACE THERMOMETER
- 9.2.22- PORTABLE TEMPERATURE INDICATOR
- 9.2.23- PORTABLE THERMOCOUPLE / KID SIMULATOR AND TESTER
- 9.2.24- PORTABLE UNIVERSAL METER
- 9.2.25 LCR METER
- 9.2.26- PORTABLE VACUUM SET
- 9.2.27- PORTABLE VIBRATION METER
- 9.2.28- PORTABLE VIBRATION CALIBRATOR
- 9.2.29- RESISTANCE DECADE BOX
- 9.2.30 CAPACITANCE BOX
- 9.2.31- STANDARD DC VOLTAGE / CURRENT SOURCE
- 9.2.32- STANDARD Hg COLUMN MANOMETER
- 9.2.33- STANDARD MERCURY THERMOMETER
- 9.2.34- STANDARD TEST GAUGE
- 9.2.35- STANDARD WATER COLUMN MANOMETER
- 9.2.36- TUBE BENDER / CUTTER
- 9.2.37- PORTABLE PH METER
- 9.2.38- PORTABLE CONDUCTIVITY METER
- 9.2.39- ABSOLUTE MANOMETER

9.3- ELECTRICAL EQUIPMENT

- 9.3.1- INSULATION RESISTANCE TESTER
- 9.3.2- HIPOT TESTER (AC/DC)
- 9.3.3- CLAMP- ON MULTIMETER
- 9.3.4- EARTH RESISTANCE TESTER
- 9.3.5- HI-POTENTIAL EQUIPMENT METER
- 9.3.6- HYDROLIC PRESS CABLE SHOE
- 9.3.7- INDUCTION BEARING HEATER
- 9.3.8- MCC TEST BENCH
- 9.3.9- PHASE SEQUENCE TESTER
- 9.3.10- PRIMARY/SECONDARY CURRENT INJECTION SET
- 9.3.11- TRANSFORMER OIL TESTER
- 9.3.12- WINDING MACHINE
- 9.3.13- WINDING TESTER
- 9.3.14- OIL TREATING PACKAGE
- 9.3.15- RELAY TEST SET
- 9.3.16- MOTOR TEST BENCH
- 9.3.17- LOW RESISTANCE METER
- 9.3.18- CABLE LOCATION FAULT SYSTEM (CABLE FAULT LOCATOR/SURGE GENERATOR/CABLE BURN TEST)
- 9.3.19- LASER TERMOMETER
- 9.3.20- LUX METER
- 9.3.21- PORTABLE CHARGER
- 9.3.22- RESISTIVE LOAD BANK

9.1- MECHANICAL EQUIPMENT

	<u>COMPANY NAME</u>	<u>ORIGIN</u>
9.1.1- MACHINE SHOP		
9.1.1.1- BENDING MACHINE		
	GHAEM MASHIN	IRAN
	MASHIN SAZI POOYA MEHR	IRAN
	ENERPAC	USA/W.EUROPE
	RIGID	W.EUROPE/USA
	SAHINLER	TURKEY
9.1.1.2- BEVELING MACHINE		
	TOS - MET SRO	CZECH
9.1.1.3- MILLING MACHINE		
	MASHIN SAZI TABRIZ	IRAN
	BOEHRINGER	GERMANY
	CINCINNATI	USA / W.EUROPE
	DINACHI	JAPAN
	HITACHI VIA MECHANICS LTD.	JAPAN
	KENT	TAIWAN
	KNÜTH	GERMANY
	TOS - MET SRO	CZECH
9.1.1.4- LATHE MACHINE		
	MASHIN SAZI TABRIZ	IRAN
	ATAX	UK
	BINNS BERRY	UK
	BOEHRINGER	GERMANY
	DECKEL MAHO GILDEMEISTER (DMG)	GERMANY
	KNÜTH	GERMANY
	POREBA	TAIWAN
	TOS - MET SRO	CZECH
9.1.1.5- DIE MACHNIE		
	RIGID	USA / W.EUROPE
9.1.1.6- DYNAMIC BALANCING MACHINE		
	CEMB SNC	ITALY
	IRD	USA / W.EUROPE
	SCHENCK	GERMANY
9.1.1.7- DRILLING MACHNIE		
	MASHIN SAZI TABRIZ	IRAN
	ATLAS COPCO	SWITZERLAND
	BOSCH	GERMANY
	KNÜTH	GERMANY
	LAP MASTEK	UK / W.EUROPE
	MOSTANA	RUSSIA

COMPANY NAME	ORIGIN
9.1.1.8- GRINDER MACHNIE	
MASHIN SAZI TABRIZ	IRAN
KENT	TAIWAN
SAHINLER	TURKEY
TOS - MET SRO	CZECH

9.1.1.9- CUTTING MACHNIE	
FOOLAD SA	IRAN
GHAEM MASHIN	IRAN
RAYCO TECHNIC	IRAN
SAHINLER	TURKEY
TOS - MET SRO	CZECH

9.1.1.10- ROLLING MACHINE	
MASHIN SAZI TABRIZ	IRAN
SAHINLER	TURKEY

9.1.1.11- BORING MACHINE	
WILL BE ADVISED LATER	

9.1.1.12- SHAPPING MACHINE	
WILL BE ADVISED LATER	

9.1.2- VALVE SHOP

9.1.2.1- VLAVE TEST BENCH	
AZAR SANGAN	IRAN
MEHAND HYDRAULICS ENG.	IRAN
VENTIL	THE NETHERLANDS

9.1.2.2- LAPPING MACHINE	
NAHADIN SAZAN PARS	IRAN
NAHORAN	IRAN
EFCO	GERMANY
FENLI	THE NETHERLANDS
KEMET	UK
LAPMASTER INTERNATIONAL (UK) LTD	USA / W.EUROPE

9.1.2.3- RING & GASKET CUTTER / PACKING CUTTER	
ALLENA.K-Co. Inc.	USA

9.1.3- WELDING SHOP

9.1.3.1- ELECTRODE OVEN	
ABTIN TEB	IRAN
OXITON	IRAN

9.1.3.2- POLYETHYLENE WELDING EQUIPMENT	
WILL BE ADVISED LATER	

	<u>COMPANY NAME</u>	<u>ORIGIN</u>
9.1.3.3- WELDING MACHNIE		
	GAAM ELECTRIC	IRAN
	LINCOLN ELECTRIC	UK
	MILLER	USA
9.1.3.4- STRESS RELIEF ELEMENTS		
	WELDOTHERM	GERMANY
9.1.3.5- PLASMA CUTTING		
	WILL BE ADVISED LATER	
9.1.4- PUMP SHOP		
9.1.4.1- HYDROSTATIC TEST PUMP		
	RIGID	USA / W.EUROPE
	HYDRO FORCE	UK
9.1.5- AUXILIARY		
9.1.5.1- CHAIN HOIST		
	TELFER	IRAN
	VITAL	JAPAN
9.1.5.2- GANTRY/MOBILE CRANE		
	LAGVAR	IRAN
	MASHIN SAZI ARAK	IRAN
	SABAHANG VAZIN	IRAN
	SADAD MASHIN	IRAN
	POWER TEAM	USA
	TADANA	THE NETHERLANDS
9.1.5.3- JET CLEANER		
	EUREKA	JAPAN
	HAWA	GERMANY
	INGRID KRANZLE	GERMANY
	WOMA	W.EUROPE
9.1.5.4- AIR COMPRESSOR		
	ATLAS COPCO.	IRAN
	BARON	IRAN
	COMPRESSOR SAZI TABRIZ	IRAN
	HAVA ABZARE TEHRAN (HATCO)	IRAN
	HAVAYAR	IRAN
	KAVOSH SANAT TOOS	IRAN
	SANAYE HAVAYE FESHORDEH IRAN	IRAN
	YEKTA TAHVIEH ARVAND	IRAN
	HANWHA POWER SYSTEM	S.KOREA
9.1.5.5- CHAIN BLOCK		
	ABZAR MAHDI	IRAN
9.1.5.6- HOT TAP		
	MIRRAGE	UK
	NATIONAL PIPING SERVICE IPSCO	USA

	<u>COMPANY NAME</u>	<u>ORIGIN</u>
9.1.5.7- HYDRAULIC PRESS		
	FOOLAD SA	IRAN
	MASHIN SAZI IRAN	IRAN
	MEHAND HYDRAULICS ENG.	IRAN
9.1.5.8- HOLIDAY TEST EQUIPMENT		
	WILL BE ADVISED LATER	
9.1.5.9- ALIGNMENT TOOLS		
9.1.5.9.1- DIAL GAUGE		
	EASYVIBER	SWEDEN
9.1.5.9.2- LASER		
	EASYVIBER	SWEDEN
9.1.5.10- PORTABLE FLANGE FACE		
	MIRAGE	UK
9.1.5.11- STROBOSCOPE		
	WILL BE ADVISED LATER	
9.1.5.12- TUBE EXPANDER		
	AIR TOOL	USA
	WICKSTEED	UK
9.1.5.13- VIBRATION METER & ANALYZER		
	IRD	UK
	SCHENCK	W.EUROPE
9.1.5.14- COATING THICKNESS GAUGE METER		
	ELCOMETER	SWEDEN
	FILMETRICS	USA / W.EUROPE
	LUMETRICS	USA / W.EUROPE
	MICRO EPSILON	USA / W.EUROPE
9.1.5.15- HYDRAULIC BEARING REMOVAL TOOL		
	HI FORCE	UK
	SKF	W.EUROPE
	ENERPAC	USA/W.EUROPE
9.1.5.16- FORMING MACHINE		
	MASHIN SAZI TABRIZ	IRAN
	TOS - MET SRO	CZECH
9.1.5.17- GRINDING MACHINE		
	BOSCH	GERMANY
	KUNG	KOREA
	METABO	KOREA

	<u>COMPANY NAME</u>	<u>ORIGIN</u>
9.1.5.18- AXIAL/CYLINDRICAL GRINDING MACHINE		
	KENT	TAIWAN
	KNÜTH	GERMANY
	TOS - MET SRO	CZECH
9.1.5.19- ELECTRICAL LIFT TRUCK		
	WILL BE ADVISED LATER	
9.1.6 - HIGH TEC.SPARE PARTS (CRITICAL MACHINERY)		
9.1.6.1- BLADE & VANE		
	WILL BE ADVISED LATER	
9.1.6.2- BEARING		
	BOLBERING SAZI TABRIZ	IRAN
	FAG	W.EUROPE
	NACHI	JAPAN
	SKF	W.EUROPE
9.1.6.3- ROTOR (SHAFT & DISK)		
	KHADAMAT TEHRAN VIERA	IRAN
9.1.6.4- IMPELLER		
	KHADAMAT TEHRAN VIERA	IRAN
9.1.6.5- MECHANICAL / LIQUID & DRY GAS SEAL TYPE (PARTS & COMPLETED)		
	REFER TO ITEM NO. 1.1.5 (MECHANICAL SEAL) OF MECHANICAL VENDOR LIST-REV.5	
9.1.6.6- NOZZLE & COMBUSTOR		
	WILL BE ADVISED LATER	
9.1.6.7- SUCTION/DISCHARGE VALVE		
	WILL BE ADVISED LATER	
9.1.6.8- CUTTER BLADE		
	WILL BE ADVISED LATER	
9.1.6.9- RUPTURE DISC		
	ATIEH PARDAZAN ZOHORE SHARIF	IRAN
	STRIKO	GERMANY

	<u>COMPANY NAME</u>	<u>ORIGIN</u>
<u>9.2- INSTRUMENTATION EQUIPMENT</u>		
<u>9.2.1- COUNTER TIMER</u>		
	ESCORT	W.EUROPE
	LEADER	JAPAN
	OMRON	JAPAN
<u>9.2.2- DEAD WEIGHT TESTER</u>		
	BUDENBERGE	GERMANY
	STIKO	NETHERLANDS
	WIKA	GERMANY
<u>9.2.3- ELECTRONIC BENCH TEST</u>		
	PARS HASSAS	IRAN
	METRIX	USA/WEST EUROPE
<u>9.2.4- FIELDBUS CALIBRATOR</u>		
	EMERSON	UK
	YOKOGAWA	JAPAN / W.EUROPE
	HONEYWELL	USA
<u>9.2.5- FREQUENCY METER</u>		
	BK	USA/W.EUROPE
	ESCORT	W.EUROPE
	FLUKE	USA / W.EUROPE
	LEADER	JAPAN
<u>9.2.6- HART COMMUNICATOR</u>		
	EMERSON	UK
	FLUKE	USA / W.EUROPE
	HONEYWELL	USA / W.EUROPE
	YOKOGAWA	JAPAN / W.EUROPE
<u>9.2.7- IC TESTER</u>		
	ABI	UK
	LEADER	JAPAN
	LEAP	W.EUROPE
<u>9.2.8- MEMORY PROGRAMMER / ERASER</u>		
	AFZAR AZMA (ERASER)	IRAN
	SUPER PRO.	W.EUROPE
<u>9.2.9- OIL BATH/OVEN</u>		
	DRUCK	USA/W.EUROPE
	INDOMART	CANADA
	ISOTECH PEGASUS	UK
	TECHNE	W.EUROPE
	WIKA	GERMANY

	<u>COMPANY NAME</u>	<u>ORIGIN</u>
9.2.10- <u>OSCILLOSCOPE</u>		
	SA IRAN	IRAN
	FLUKE	USA/WEST EUROPE
	HIOKI	JAPAN
	HITACHI	JAPAN
	LEADER	JAPAN
	METRIX	USA/W.EUROPE
	TEXTRONIX	UK / W.EUROPE
9.2.11- <u>PNEUMATIC TEST BENCH</u>		
	PARS HASSAS	IRAN
	BUDENBURG	UK
	WIKA	GERMANY
9.2.12- <u>PNEUMATIC HAND PUMP</u>		
	AMETEK	UK
	DRUCK	USA/W.EUROPE
	INDOMART	CANADA
	WIKA	GERMANY
9.2.13- <u>PORTABLE 24 VDC POWER SUPPLY</u>		
	AFZAR AZMA	IRAN
	FLUKE	USA / W.EUROPE
	INDOMART	CANADA
	YOKOGAWA	JAPAN
9.2.14- <u>PORTABLE CALIBRATOR WITH DIGITAL MANOMETER</u>		
	BUDENBURG	UK
	WIKA	GERMANY
	YOKOGAWA	JAPAN
9.2.15- <u>PORTABLE DIGITAL MULTIMETER</u>		
	FLUKE	USA / W.EUROPE
	HIOKI	JAPAN
	METRIX	USA/WEST EUROPE
	WIKA	GERMANY
9.2.16 <u>DC CLAMP MILLI AMMETER</u>		
	FLUKE	USA / W.EUROPE
	HIOKI	JAPAN
	METRIX	USA/WEST EUROPE
9.2.17- <u>PORTABLE HAND HELD TACHOMETER</u>		
	WILL BE ADVISED LATER	
9.2.18- <u>PORTABLE MANOMETER DIGITAL / ANALOGUE TYPE</u>		
	AMETEK	UK
	BUDENBURG	UK
	WIKA	SWEDEN
9.2.19- <u>PORTABLE PNEUMATIC CALIBRATOR</u>		
	AMETEK	UK
	BUDENBURG	UK
	DRUCK	USA/W.EUROPE
	WIKA	GERMANY

COMPANY NAME

ORIGIN

9.2.20- PORTABLE SIGNAL GENERATOR

SA IRAN	IRAN
FLUKE	USA / W.EUROPE
INDOMART	CANADA
PROMAC	W.EUROPE
TTI	UK

9.2.21- PORTABLE SURFACE THERMOMETER

FLUKE	USA / W.EUROPE
HIOKI	JAPAN
WIKA	GERMANY

9.2.22- PORTABLE TEMPERATURE INDICATOR

DRUCK	USA/W.EUROPE
FLUKE	USA / W.EUROPE
HIOKI	JAPAN
INDOMART	CANADA
OMRON	JAPAN
PROMAC	W.EUROPE
WIKA	GERMANY

9.2.23- PORTABLE THERMOCOUPLE / RTD SIMULATOR AND TESTER

AMETEK	UK
DRUCK	USA/W.EUROPE
FLUKE	USA / W.EUROPE
INDOMART	CANADA
ISOTECH	UK
PROMAC	W.EUROPE
WIKA	GERMANY

9.2.24- PORTABLE UNIVERSAL METER

SA IRAN	IRAN
DRUCK	USA/W.EUROPE
FLUKE	USA/WEST EUROPE
HIOKI	JAPAN

9.2.25 LCR METER

FLUKE	USA / W.EUROPE
HIOKI	JAPAN
LEADER	JAPAN

9.2.26- PORTABLE VACUUM SET

BUDENBURG	UK
DRUCK	USA/W.EUROPE

9.2.27- PORTABLE VIBRATION METER

BENTLY NAVADA	USA / W.EUROPE
IRD	UK

9.2.28- PORTABLE VIBRATION CALIBRATOR

BENTLY NAVADA	USA / W.EUROPE
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	<u>COMPANY NAME</u>	<u>ORIGIN</u>
9.2.29- <u>RESISTANCE DECADE BOX</u>	YOKOGAWA	JAPAN
9.2.30 <u>CAPACITANCE BOX</u>	PARS ELECTRONIC	IRAN
9.2.31- <u>STANDARD DC VOLTAGE / CURRENT SOURCE</u>	PARS HASSAS	IRAN
	INDOMART	CANADA
	YOKOGAWA	JAPAN
9.2.32- <u>STANDARD Hg COLUMN MANOMETER</u>	LAMBRECHT	GERMANY
	PRINCO	GERMANY
9.2.33- <u>STANDARD MERCURY THERMOMETER</u>	FLUKE	USA/W.EUROPE
9.2.34- <u>STANDARD TEST GAUGE</u>	ASHCROFT	USA/W.EUROPE
	BUDENBURG	UK
	HEISE	USA/W.EUROPE
	STIKO	NETHERLANDS
9.2.35- <u>STANDARD WATER COLUMN MANOMETER</u>	FISHER & PAYKEL	USA/W.EUROPE
9.2.36- <u>TUBE BENDER / CUTTER</u>	RIDJID	USA/W.EUROPE
9.2.37- <u>PORTABLE PH METER</u>	EMERSON	W.EUROPE
	METTLER	USA/W.EUROPE
	YOKOGAWA	JAPAN
9.2.38- <u>PORTABLE CONDUCTIVITY METER</u>	EMERSON	W.EUROPE
	METTLER	USA/W.EUROPE
	STIKO	NETHERLANDS
	YOKOGAWA	JAPAN
9.2.39- <u>ABSOLUTE MANOMETER</u>	ASHCROFT	USA/W.EUROPE
	WIKA	SWEDEN

COMPANY NAME

ORIGIN

9.3- ELECTRICAL EQUIPMENT

9.3.1- INSULATION RESISTANCE TESTER

AVO/MEGGER	UK
CHAUVIN ARNOUX	FRANCE
FLUKE	USA/WEST EUROPE
HIOKI	JAPAN
KYORITSU	JAPAN

9.3.2- HI-POT TESTER (AC/DC)

JAHAD DANESHGAHI ELM VA SANAT	IRAN
AVO/MEGGER	UK
SEBAKMT	GERMANY
MUSASHI	JAPAN

9.3.3- CLAMP- ON MULTIMETER

AVO/MEGGER	UK
CHAUVIN ARNOUX	FRANCE
FLUKE	USA/WEST EUROPE
HIOKI	JAPAN
KYORITSU	JAPAN

9.3.4- EARTH RESISTANCE TESTER

AVO/MEGGER	UK
CHAUVIN ARNOUX	FRANCE
FLUKE	USA/WEST EUROPE
HIOKI	JAPAN
KYORITSU	JAPAN

9.3.5- HI-POTENTIAL EQUIPMENT METER

AVO/MEGGER	UK
DETEX	USA/WEST EUROPE

9.3.6- HYDROLIC PRESS CABLE SHOE

BURNDY	USA/WEST EUROPE
ENERPACK	USA/WEST EUROPE
HIGHFORCE	UK
KARL PFISTERER	GERMANY
NISHIDA	JAPAN

9.3.7- INDUCTION BEARING HEATER

FAG	GERMANY
SKF	GERMANY
SN-THERM220	GERMANY
SNR	FRANCE
TM INDUCTION HEATING	THE NETHERLANDS

9.3.8- MCC TEST BENCH

TO BE SUPPLIED BY MCC MANUFACTURER

	<u>COMPANY NAME</u>	<u>ORIGIN</u>
9.3.9- <u>PHASE SEQUENCE TESTER</u>		
	AVO/MEGGER	UK
	CHAUVIN ARNOUX	FRANCE
	FLUKE	USA/WEST EUROPE
	HIOKI	JAPAN
	KYORITSU	JAPAN
9.3.10- <u>PRIMARY/SECONDARY CURRENT INJECTION SET</u>		
	JAHADE DANESHGAHI ELM VA SANAT	IRAN
	AVO/MEGGER	UK
	BAUR	AUSTRIA
	EURO SMC S.A.	SPAIN
	FOSTER	UK
	HIPOTRONICS	USA/WEST EUROPE
	SIEMENS	GERMANY
9.3.11- <u>TRANSFORMER OIL TESTER</u>		
	AVO/MEGGER	UK
	BAUR	AUSTRIA
	MUSASHI	JAPAN
9.3.12- <u>WINDING MACHINE</u>		
	ELECTRICAL POWER INDUSTRIES LABORATORIES (EPIL)	IRAN
	AVO/MEGGER	UK
	WHITELEGG MACHINES	UK
9.3.13- <u>WINDING TESTER</u>		
	AVO/MEGGER	UK
9.3.14- <u>OIL TREATING PACKAGE</u>		
	AAN	GERMANY
	HERING	GERMANY
	VOKES	UK
9.3.15- <u>RELAY TEST SET</u>		
	FANAVARANE ENERGY TOOS	IRAN
	JAHAD DANESHGAHI ELM VA SANAT	IRAN
	VEBCO AMIR KABIR	IRAN
	AVO/MEGGER	UK
	BAUR	AUSTRIA
	CEE	FRANCE
	EUROSMC S.A.	SPAIN
	FOSTER	UK
	SIEMENS	GERMANY
9.3.16- <u>MOTOR TEST BENCH</u>		
	ABB GROUP	GERMANY
	WHITELEGG MACHINES	UK
9.3.17- <u>LOW RESISTANCE METER</u>		
	AVO/MEGGER	UK

	<u>COMPANY NAME</u>	<u>ORIGIN</u>
9.3.18- <u>CABLE LOCATION FAULT SYSTEM (cable fault locator/surge generator/cable burn test)</u>	AVO/MEGGER	UK
	BICOTEST	UK
	SEBAKMT	GERMANY
9.3.19- <u>LASER TERMOMETER</u>	FLUKE	USA/WEST EUROPE
	RAYTEK	GERMANY
	TES	TAIWAN
9.3.20- <u>LUX METER</u>	AVO / MEGGER	UK
	CHAUVIN ARNOUX	FRANCE
	FLUKE	USA/ WEST EUROPE
9.3.21- <u>PORTABLE CHARGER</u>	BORNA ELECTRONIC	IRAN
	FARATEL	IRAN
	JAHAD DANESHGAH ELM VA SANAT	IRAN
	ALCAD	SWEDEN
	GUTOR ELECTRONIC	FRANCE
	SAFT POWER SYSTEM	FRANCE
	SCHNEIDER GROUP	FRANCE
	SIEMENS	GERMANY
	SOCOMEK	FRANCE
	TOSHIBA CORPORATION	JAPAN
9.3.22- <u>RESISTIVE LOAD BANK</u>	BORNA ELECTRONIC	IRAN
	JAHAD DANESHGAH ELM VA SANAT	IRAN