



ARYA SEPEHR KAYHAN

Pump & Electro Power Systems

Contents



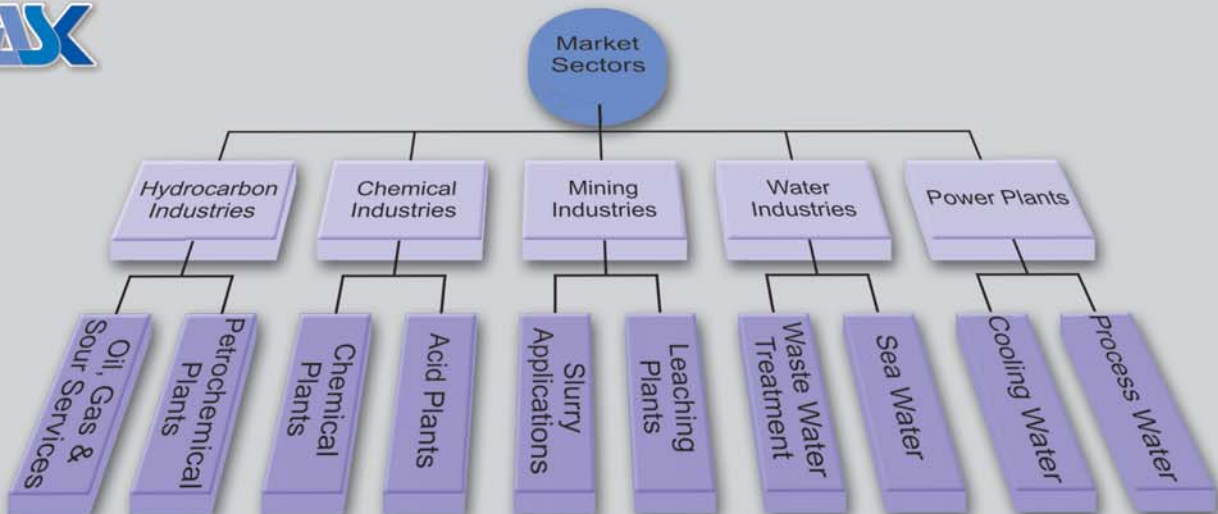
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INTRODUCTION





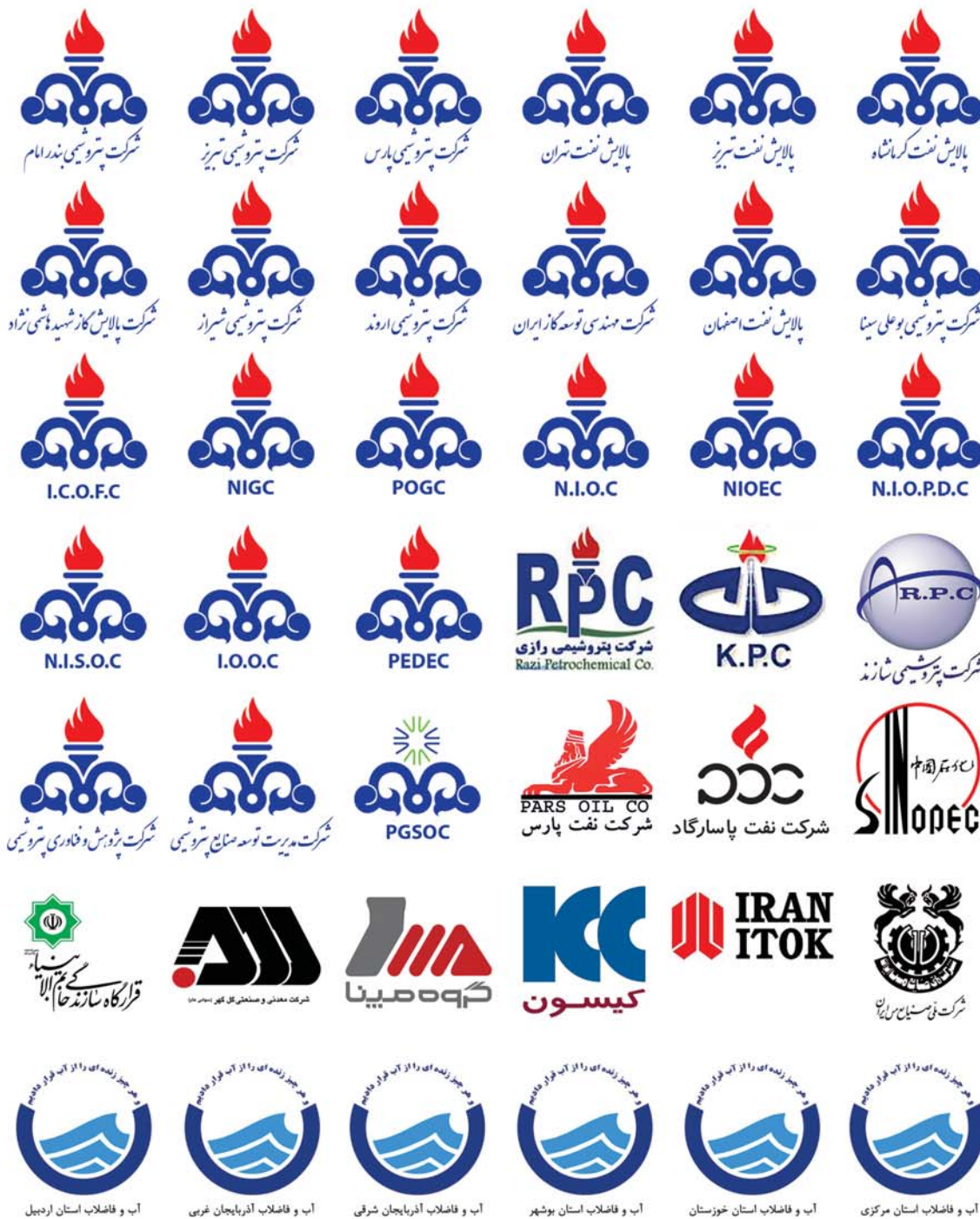
ARYA SEPEHR KAYHAN (ASK), is a professional industrial pump manufacturer in IRAN, with the accumulation and development of years. We have formed a complete system of pump design, selection, application and maintenance based on international standards. We are devoting on offering the best solutions of special pump application in the IRAN. Our products are widely used in Oil and Gas industries, Water and Waste Water treatment plants, mining metallurgy, coal washing, power plant, and chemical and petroleum industries. Under the confidence of our clients home and abroad, we are becoming one of the most important industrial pump suppliers in Middle East, and we have offered the professional pump solutions and service over 10 countries in the world



OUR CLIENTS

(APPROVED VENDOR LIST)





Our Clients

5

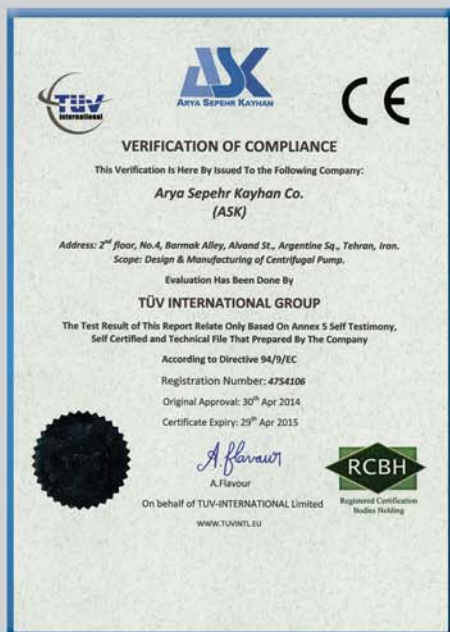


CERTIFICATES & TESTIMONIALS





Certificates & Testimonials





Certificates & Testimonials

شرکت پالایش فراوان (پالاسک) پاسی جهان
 تارید ه گواهی‌شده سیستم مدیریت معیار و به کار بره
 QMS-9001

مدیریت محتوم شرکت صنعتگران آریا سپهر کیهان

موضوع : رضایت نامه

باسلام

احتراماً - عطف به درخواست شماره ۷۸۳ - ۹۱ مورخ ۹۱/۸/۶ و ضمن تشکر نسبت به تحویل پروژه طراحی و ساخت دو دستگاه پیهمای **Wash Oil مدل 315 - 80** مطابق با استاندارد **API610** و با دمای کارکرد ۲۶۰ درجه سانتیگراد به اطلاع میرساند تاکنون گزارشی مبنی بر بروز اشکال فنی در اقسام خودباری شده دریافت نگردیده و امید است شاهد تداوم همکاریهای فی مابین نیز باشیم.

دانشگر
دکتر امیر بهنام
مدیر پالاسک

این سند را می توان از طریق وبسایت زیر مشاهده نمود

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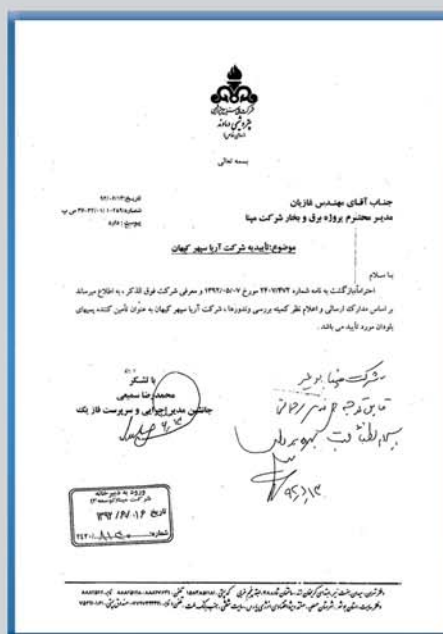
آدرس : تهران - خیابان ولیعصر - کوچه شهید رجایی - پلاک ۱۰۰ - طبقه اول

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تندیس برگزیده
اجلاس رهبران صنعت، تجارت و توسعه ملی

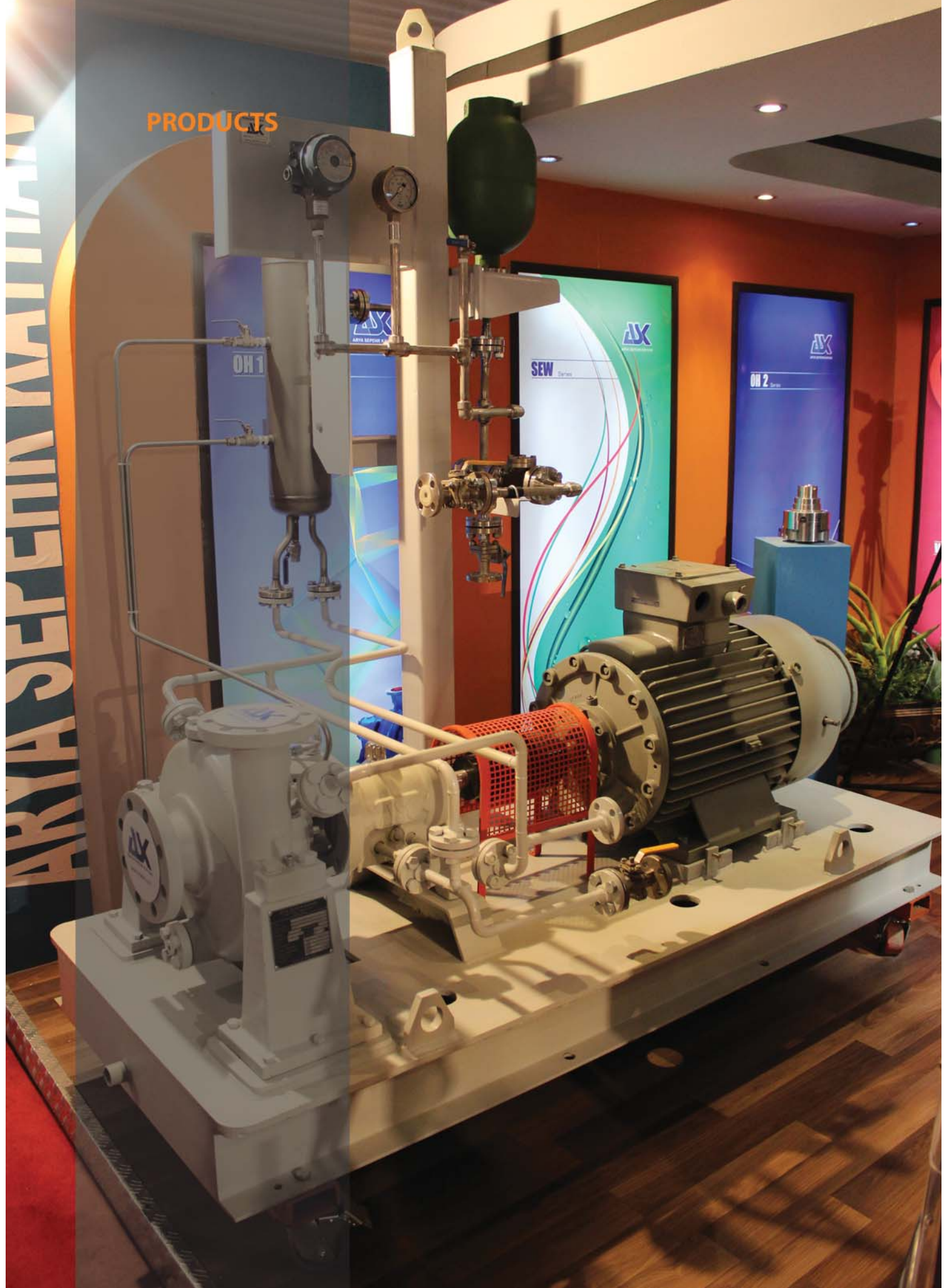


تندیس برگزیده
مدیریت هوشمند - سازمان هوشمند



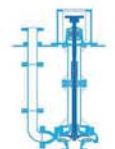
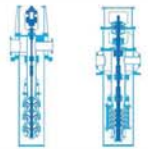
تندیس برگزیده
جشنواره نشان کیفیت برتر ایران

PRODUCTS

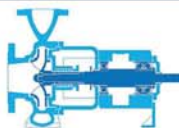
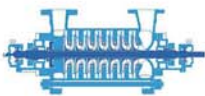


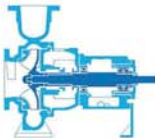
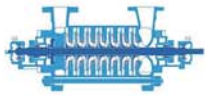
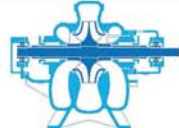
Product Line	Type	Position	Config.	Stages	Suction Entry	Max. Flow M3/hr	Max. Head m	Product Series	Schematic
API 610	Centrifugal Pumps	Horizontal Pumps	End Suction, Centerline mounted	Single Stage	Single Suction	1100	130	OH2	
			Axially Split Case		Double Suction	3500	180	BB1	
			Top-Top Suction & Discharge			1500	180	BB2	
			Top-Top Suction & Discharge	Multi Stage	Single Suction	1100	250	BB2	
			Axially Split Case			400	700	BB3	
			Top-Top Suction & Discharge		Double Suction	1500	250	BB2	
			Axially Split Case			600	800	BB3	

Complete Pump Products

Product Line	Type	Position	Config.	Stages	Suction Entry	Max. Flow M3/hr	Max. Head m	Product Series	Schematic
API 610	Centrifugal Pumps	Vertical Pumps	In Line	Single Stage	Single Suction	1100	130	OH3	
			Long Shaft			1100	90	VS4	
			Long Shaft	Multi Stage		7200	650	VS1	
			Canned Type			900	650	VS6	

Product Line	Type	Position	Config.	Max. Flow M3/hr	Max. Press. bar	Product Series	Schematic
API 676	Gear Pumps	Horizontal	External Gear	200	8	EGP	
		Vertical	Long Shaft	200	8	VS4/EGP	
	Screw Pumps	Horizontal	Twin Screw	1900	40	TSP	
			Triple Screw	130	40	TSP3	

Product Line	Type	Position	Config.	Stages	Suction Entry	Max. Flow M3/hr	Max. Head m	Product Series	Schematic
ISO 5199	Centrifugal Pumps	Horizontal Pumps	End Suction, Foot mounted	Single Stage	Single Suction	500	130	OH1/CH	
			Ring Section	Multi Stage		900	300	BB4	

Product Line	Type	Position	Config.	Stages	Suction Entry	Max. Flow M3/hr	Max. Head m	Product Series	Schematic
NFPA 20	Jockey Pumps, Centrifugal	Horizontal	End Suction, Foot mounted	Single Stage	Single Suction	1900	90	OH1	
			Ring Section	Multi Stage		900	300	BB4	
		Vertical	In Line	Single Stage		1100	130	OH3	
	Main Pumps, Centrifugal	Horizontal	Axially Split Case	Single Stage	Double Suction	3500	180	BB1	
			Ring Section	Multi Stage	Single Suction	900	300	BB4	
		Vertical	Long Shaft	Multi Stage	Single Suction	7200	650	VS1	

Complete Pump Products

Product Line	Type	Position	Config.	Stages	Suction Entry	Max. Flow M3/hr	Max. Head m	Product Series	Schematic
Factory Standard	Centrifugal Pumps	Horizontal	Rubber or Metal Lining	Single Stage	Single Suction	1200	80	OH1/SL	
			Cast Iron	Single Stage	Single Suction	1900	90	OH1	
	Vertical	Vertical	Submersible Motor pump	Single Stage	Single Suction	5500	85	SEW	
			Rubber or metal Lining, Long Shaft	Single Stage	Single Suction	250	45	VS4/SL	

Flexible Couplings

Product Line	Type	Configuration	Product Series	Schematic
API 671	Spacer Type	Metal Disk Pack	SMDP	
Factory Standard	Spacer Type	Elastic Spider	SESC	
	Non Spacer Type		NESC	

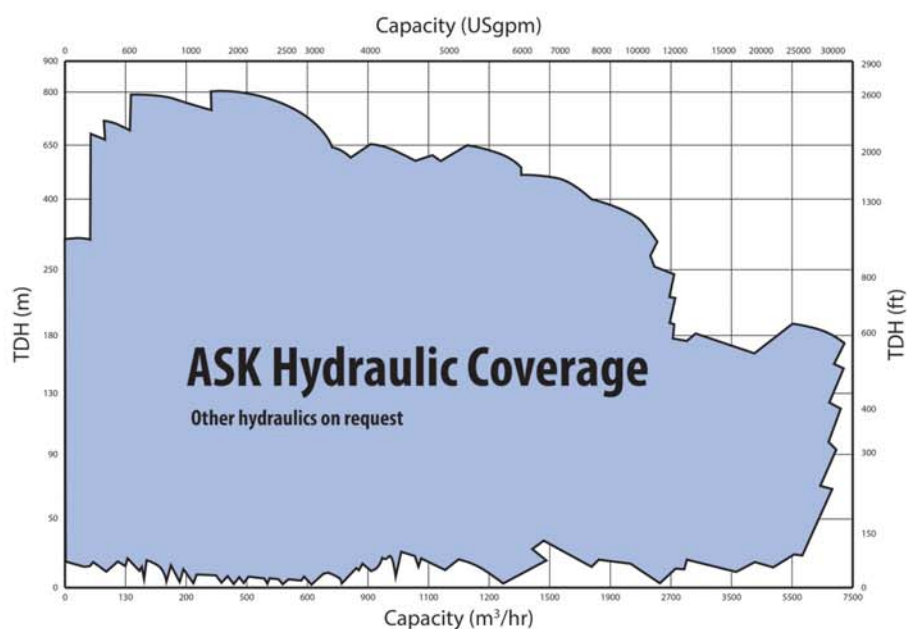
Product Line	API Plan	Usage	Type	Configuration	Product Series	Schematic
Seal Support Systems API 682	Plan 23	Hot Fluids	Heat Exchanger	Water Cooled	AP23W	
	Plan 31	Heavy Particle	Cyclone Separator	-	AP31G	
	Plan 52	Buffer Fluid	Un-Pressurized Heat Exchanger	Water Cooled	AP52W	
	Plan 53A	Barrier Fluid	Pressurized Heat Exchanger	Water Cooled	AP53AW	
	Plan 53B			Water Cooled	AP53BW	
				Air Cooled	AP53BA	
	Plan 65			Leak System	Leak Vessel	-

Product Application Chart

Product Series	Oil & Gas Industries							Mining Industries			Water & Waste Water Industries					General Industries			
	Oil & Gas Industries	Refinery Complex	Desalination Plants	Sour Services	Hot Fluid Systems	High Viscous Fluids	High Pressure Systems	Mining (General)	Slurry Applications	Acid Plants	Water (General)	Sea Water	Fire Fighting	Water Treatment	Sludge Applications	Industrial Plants	Chemical Plants	Power Plants	Paper & Pulp Plants
OH1			○					○			○	○	○	○		○		○	○
OH1/CH		○	○	○				○		○		○		○		○	○		○
OH1/SL								○	○		○				○				○
OH2	○	○	○	○	○			○		○						○			
OH3	○	○		○	○								○						
BB1	○	○	○	○				○			○	○	○			○		○	
BB2	○	○	○	○	○		○												
BB3	○	○	○	○	○		○												
BB4	○	○	○				○				○	○	○			○	○	○	
VS1	○	○	○	○			○	○			○	○	○			○		○	
VS4	○	○	○	○	○			○		○	○	○			○	○		○	○
VS4/SL								○	○						○				○
VS4/EGP	○	○		○		○													
VS6	○	○	○	○	○		○												
TSP	○	○	○	○	○	○	○							○		○	○	○	
TSP3	○	○	○	○	○	○	○										○	○	
EGP	○	○	○	○	○	○		○						○		○		○	
SEW								○			○	○		○	○	○		○	○

Standard Material Options

Material Grade	Material Class (ASTM)	Pump Parts						
		Casting Parts	Shaft	Bolts and studs	Nuts	Plate	Pipe	Fitting
Cast Iron	Grey Cast Iron	A48/A48M Class 25/30/40	On Request					
	Nodular Iron	A536 Class 40						
	Austenitic Grey Cast Iron (Ni-Resist)	A436 Type 1						
Carbon Steels	Carbon Steel	A216/A216M Gr WCB	A576 Gr 1045	A193/A193M Gr B7	A194/A194M Gr 2H	A516/A516M Gr 65/70	A106/A106M Gr B	A105/A105M
	4140 Alloy Steel	Not Applicable	A434 Class 8B			Not Applicable		
Stainless Steels	12 % Chrome Steel	A487/A487M Gr CA6NM	A276 Type 420	On Request				
	Austenitic Stainless Steel	A351/A351M Gr CF3 M	A276 Gr 316 L	A193/A193M Gr B 8 M	A194/A194M Gr B 8 M	A240/A240M Gr 316 L	A312/A312M TP316L	A182/A182M Gr 316 L
		A351/A351M Gr CF8 M				A240/A240M Gr 304 L	A312/A312M TP304L	A182/A182M Gr F304L
		A351/A351M Gr CF8				A240/A240M-S21803	A790/A790M-S31803	A182/A182M Gr F 51
	Duplex Stainless Steel	A890/A890M Gr 1 B	A276-S31803	A276-S31803	A276-S31803	On Request		
	Supper Duplex Stainless Steel							
Bronze	Tin Bronze	B584 (UNS No. C92200)	On Request					
	AL-Bronze	B148 (UNS No. C95200)						
	Phosphor Bronze	B139/B139M (UNS No. C51000)						
Rubber	NBR	NBR Liner D3848						
	NR	NR Liner D2227						





Product Picture







PARTNERS



Was registered in 1999, and now the registered capital is 14,754,000.—USD. New-Asia is a high-tech development and a new modern enterprise, mainly engaged in cryogenic technology and vaporizer product development and production.

The company mainly produces the equipment working for liquid oxygen, liquid nitrogen, liquid argon, liquid carbon dioxide, liquid hydrogen, LNG and other hydrocarbons, generally including cryogenic liquid turbine, cryogenic liquid piston pumps, cryogenic liquid centrifugal pump series, submersible centrifugal pumps for cryogenic liquid, liquid couplings, air back couplings, cryogenic liquid vaporizer and other products related to cryogenic industries.

Products sold throughout the country, widely used in Aerospace, Metallurgy, Oil and Gas, Petrochemical, Transportation, Electronic components production and other fields, established a large network of customers and received a good reputation in the market.

NAC is the only designated cryogenic submersible pump supplier of Chinese people's Liberation Army General Armaments Department, and the fixed production enterprise of Navy and Air Force cryogenic pump equipment, and the only designated supplier of Chinese satellite launching site rocket fuel filling, high pressure air supply system cryogenic equipment. Currently NAC is undertaking research and production of rocket fuel filling system and high pressure blowing system's cryogenic system of Hainan, Xichang, Taiyuan, Jiuquan, and these four satellite launching sites. Hangzhou New-Asia Brand cryogenic products have been sold more than 6,000 units over the past ten years, and have favorable comments from customers due to its superior quality and service. NAC has been in the AVL of Petro China, Sinopec, China National Offshore Oil Corporation, Praxair, Messer, BOC, and AP.

Range of Products:

- Cryogenic Cylinder Lifting Pumps
- Cryogenic Submersible In-Tank Motor Pumps
- Cryogenic Process Pumps
- Cryogenic Vertical Process Pumps
- Cryogenic Storage Filling Pumps
- Cryogenic Submerged Suction Vessel Motor Pumps
- Cryogenic Transfer Pumps





HEFEI HUASHENG PUMPS & VALVES CO., LTD (HS PUMPS)

Hefei Huasheng Pumps & Valves Co., LTD has now become a set of pump research and development, production and sales in one of the national high and new technology enterprises. The company produced more than 3,000 sets of various types of pump products annually. Main special pump is petrochemical equipment R&D and manufacturing, importing equipment localization technology absorption and re-innovation. The enterprise is an independent accounting, self-management, with legal personality, property rights of enterprises. Hefei Huasheng pump & Valve Co., Ltd cooperation with Hefei University of Technology to carry out research cooperation, such as heavy-duty process pumps, pump corrosion-resistant special materials, high-temperature high-pressure pump, high-speed partial flow pump, high-precision metering pumps, hydraulic turbine energy-saving devices, desalination pumps, etc.



Partners

Product Range

- Energy Recovery Units of high pressure hydraulic turbine (forced lubrication type)
- Large scale chemical process pump with high temperature and cavitation
- HJMG series. High self-suction diaphragm metering pump
- ROD type. seawater desalination high-pressure pump
- Tar cutting pump for iron and steel coal coking
- HX(D) series. Multi-stage low flow chemical centrifugal pump
- GSB/V2 type. vertical high-speed partial emission pump
- GSB(Z) direct driving type. high speed partial flow pump
- 2HBE. Liquid ring vacuum pump for chemistry
- HZX series. Self-suction centrifugal pump
- HTA/THE series. Petrochemical processing pump
- HX series. Horizontal single-stage low flow chemical centrifugal pump
- High viscosity internal gear pump
- JQ(R)B online high-speed shearing pump emulsion pump
- HJMB double diaphragm alarming metering pump for chemistry
- AY series. Centrifugal oil pump





天津华曼泵业集团有限公司
TIANJIN HUAMAN PUMPS GROUP CO.,LTD. (HM PUMPS)

TIANJIN HUAMAN PUMPS GROUP CO., LTD. Originates from TIANJIN HUAMAN SCREW PUMPS CO., LTD., is a leading professional manufacturer that is capable of R&D, designing, manufacturing, sales and services from various industrial pumps.

The company is located in Tianjin Beichen Technology Zone, covering an area of 12,000 m2 and possesses totally 150 sets machines and inspection equipment. It has professional technical team and powerful production capability, and has accumulated rich experience in R&D, designing and production of various pumps. It has own intellectual property rights and core screw profile technology, and is able to provide totally 120 series, 600 models, 3000 sizes of pumps, include single-screw, twin screw, three screw pumps, centrifugal pumps and gear pumps, which have been widely applied in petroleum, chemical, machinery, marine, metallurgy, textile, energy & power, food & beverages, papermaking and environmental-protection industries. In addition, Huaman can also develop and design new products and accordingly provide tailored solutions to satisfy client's requests. The typical case is Huaman BDP hydraulic-driven Deep-well Liquid Cargo Pump System that is self-developed to meet the demand for subdivision transportation of chemicals, was installed on "Dong Gui 8" chemical ship in the end of 2007 and has operated trouble-free for 5 years.

Range of Products:

- Deep-well Liquid Cargo Pump System
- Marine Centrifugal Pumps
- SN/SM Series. Three Screw Pumps
- W/V Series. Twin Screw Pumps
- EH Series. Progressive Cavity Pumps



Partners

Letters Of Appointment





PROJECTS





Darquain Early Production Unit, 50,000 BBL/day Light Crude Oil Booster Pumps



Tehran Oil Refinery





BALAL OFFSHORE PLATFORM



Islam Abad Oil Depot



Qeshm PP- First Filling Pump





National Iranian Cooper Industries



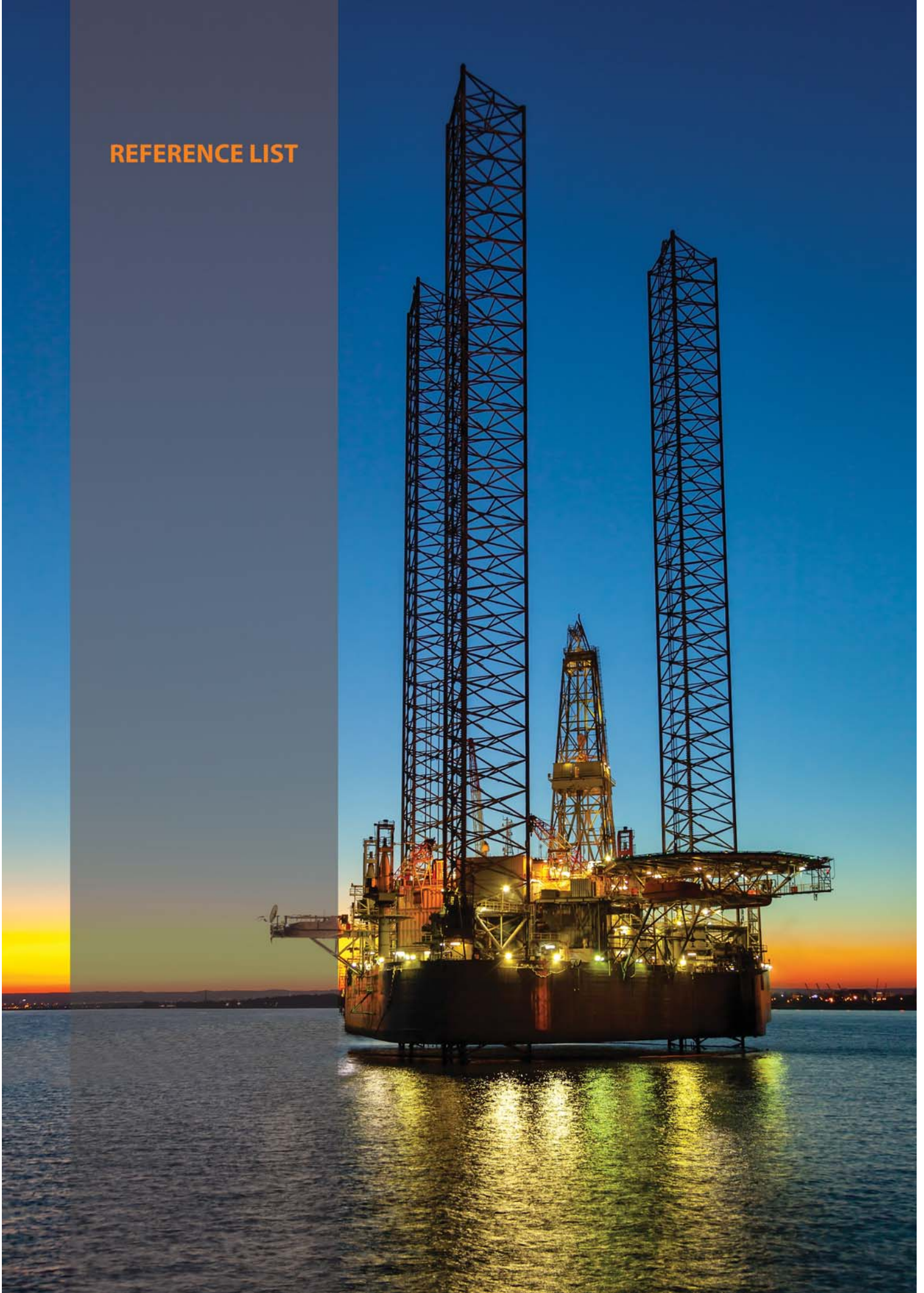
Shiraz Petrochemical Co



NISOC – Marun 3 & 4



REFERENCE LIST



No.	Customer	Type	Q (m3/hr)	H (m)	Power (kw)	Pumping liquid	QTY	Delivery date
1	Kermanshah Oil Refinery	OH2 25-200 XL/ 4 2 S1 (S1.00) A/EXT4	10	50	4	Gas Oil	1	88/10/14
2	N.I.O.P.D.C	OH3 80-160/7.5 2 S1 (S1.00)A/EXT3	45	23	7.5	Kerosene & Gas Oil	6	88/11/01
3		VS4 80-160 L/5.5 2 S1 (S1.08)A/EXT3	35	23	5.5	Kerosene & Gas Oil	1	88/11/01
4	I.O.O.C	OH2 25-200 XL/3.3 2 S6(S1.08)A/EXT3	11.33	29.6	3.3	Liquid fuel	2	89/02/02
5	Kimyagaran Chemical Co	OH2 25-160 L/2.2 2 A8(S1.02)A/EXT4	2.15	33.2	2.2	Glycol	2	88/06/11
6		OH2 25-160 L/2.2 2 A8(S1.02)A/EXT4	1.42	33.2	2.2	Glycol	2	88/06/11
7		OH2 25-160 L/2.2 2 A8(S1.02)A/EXT4	0.14	33	2.2	Glycol	2	88/06/11
8		OH2 25-200 XL/3 2 I1(S1.02)A/EXT3	1.4	45	3	Gas Oil	2	89/01/18
9	Mapna Group (Tishreen PP)	VS4 50-250 XL/18.5 2 T1(S1.02)A/SA	70	50	18.5	HCL	2	89/04/02
10	Chlor Pars Co	OH1 32-200/4 2 I1(S1.02)A/EXT4	8	50	4	Gas Oil	2	89/05/14
11		OH1 50-250/4 4 I1(S1.02)A/EXT4	20	20	4	Gas Oil	2	89/05/14
12	Choob and Kaghaz Mazand.	OH1 100-250/30 2 A8 (S1.02)A/SA	140	55	30	Water	2	89/06/12
13	Kimyagaran Chemical Co	BB4 65/6 stg/22 2 I1(S1.02)A/SA	75	185	22	Hot water	1	89/06/15
14	Tondgooyan Petrochemical Co	VS4 50-250 XL/11 2 A8(S1.02)A/SA	50	50	11	Drain water	1	89/06/20
15	Petrosane Chemical Co	OH1 65-250/5.5 4 (S1.02)/SA	30	15.7	5.5	DEG	1	89/10/26
16	Choob and Kaghaz Mazand.	OH1 80-250/37 2 I1(S1.02)/SA	75	62	37	Water+Pulp	1	89/08/24
17	Aftab Derakhshan Khavar.	OH1 40-250/11 2 P1(S1.02)/SA	40	40	11	HCL	1	89/09/10
18	Sahand PP	OH1 40-250/18.5 2 A8(Sa.02)/SA	45	52	18.5	Sulfuric Acid 98%	1	89/10/15
19	Export to IRAQ	SEW K 250-290/55 4 G/P	750	20	55	Waste Water	15	89/11/20
20		SEW K 200-400/37 6 G/P	350	20	37	Waste Water	20	89/11/20
21		SEW K 300-350/716 4 G/P	1500	25	75	Waste Water	10	89/11/20
22	Khoozestan Water & waste water	SEW K 150-315/134 4 G/S	100-500	6.5-22	15	Waste Water	4	90/02/10
23		SEW K 150-315/134 4 G/S	100-500	5-19.5	15	Waste Water	5	90/02/10
24		SEW K 200-400/37 6 G/S	800	10	37	Waste Water	2	90/02/27
25		SEW K 250-290/45 4 G/P	634	17	37	Waste Water	5	90/03/17
26		SEW K 300-350/716 4 G/S	400-1900	25-8	75	Waste Water	2	90/03/17
27		SEW K 300-350/26 6 G/S	684	10	30	Waste Water	10	90/04/02
28		SEW K 150-500/127 4 G/P	320	76	132	Mineral Water	2	90/03/20
29		OH1 150-315/22 4 I1 (P1.00)/SA	200	20	22	Cooling water	3	90/03/10
30	Elmo sanat University	OH1 40-160/3 4 I1(P1.00)/SA	20	12	3	Fresh water	4	90/03/10
31		OH1 50-160/7.5 2 I1(P1.00)/SA	52	24	7.5	Produced water	3	90/03/10
32		OH1 40-250/1.5 4 I1(P1.00)/SA	11	15	1.5	Fresh water	3	90/03/10
33		OH1 32-160/1.1 4 I1(P1.00)/SA	3	8	1.1	Fresh water	2	90/03/10

No.	Customer	Type	Q (m3/hr)	H (m)	Power (kw)	Pumping liquid	QTY	Delivery date
34	Elmo sanat University	OH1 32-200/0.75 4 I1(P1.00)/SA	2.4	8	0.75	Fresh water	2	90/03/10
35		OH1 150-250/18.5 4 I1(P1.00)/SA	95	18	18.5	Chiled water	2	90/03/10
36		OH1 100-250/11 4 I1 (P1.00)/SA	90	17	11	Chiled water	2	90/03/10
37	Petrosane Chemical Co	OH1 100-250/45 2 I1(P1.00)/SA	120	55	45	Cooling water	2	90/04/10
38		BB4 80-3sg/75 2 I1(P1.00)/SA	100	130	75	Water	2	90/04/10
39		SEW K 250-290/37 4 G/S	700	13.5	37	Waste Water	6	90/04/15
40	Khoozestan Water & waste water Ayegh-haye elektriki pars Zabol PP	OH1 125-400/30 4 S6 (\$1.00)/SA	150	25	30	Surface Water	1	90/05/10
41		OH1 50-250/7.5 4 A8(\$1.00)/SA	25	50	7.5	Sulfuric Acid 98%	2	90/05/10
42		SEW K 300-350/45 6 G/P	450	15	45	Waste Water	10	90/05/12
43	Export to IRAQ	SEW K 200-400/45 4 G/P	450	20	45	Waste Water	10	90/05/12
44		SEW K 250-290 / 45 4 G/P	600	18	45	Waste Water	10	90/05/12
45		SEW K 100-250/7.5 4 G/P	150	10	7.5	Waste Water	2	90/06/10
46	Shazand Petrochemical Co Gohar ravesh sirjan	OH1/SL K 100-315/7.5 4 P1(P1.00)BC/0.8	120	12	7.5	water+Iron ash	1	90/06/01
47		OH2 50-250 XL /2.2 4 I1(\$1.02)/A/EXT4	22	14.07	2.2	Water	2	90/07/01
48		V54 150-250L/15 4 I1(P1.08)/SA	150	15	15	Water	1	90/07/01
49	Fajr petrochemical co Arvand petrochemical co	OH2 80-315 XL/68 2 S6 (D1.10)/A/EXT3	123	116	75	VCM	2	90/07/10
50		SEW K 250-290/62 4 G/S	780	11	62	Waste Water	7	90/07/02
51		OH2 25-160 L/1.1 2 I1(\$1.02)/A/EXT3	1.5	23	1.1	Gas Oil	2	90/07/20
52	Mapna Group (Jandar PP) Zoghah sang tabas	V54 50-250 L/5.5 4 I1(P1.08)/SA	50	20	4	Iron ash	2	90/07/15
53		SEW K 150-315/15 2 G/P	13	83	15	Waste Water	1	90/08/01
54		SEW K 150-315/11 2 G/P	13	46	11	Waste Water	1	90/08/01
55	Fakoor sanat tehran	OH1 100-250/45 2 I1 (P1.00)/SA	150	60	45	Water	2	90/09/15
56		OH1 65-250/30 2 I1 (P1.00)/SA	78	60	30	Water	2	90/09/15
57		OH1 32-200/1.1 4 I1(P1.00)/SA	6	14	1.1	Water	2	90/09/15
58		OH1 40-200/11 2 I1(P1.00)/SA	25	50	11	Water	2	90/09/15
59		SEW 50-160 L/47 2 G/P	20	30	5.5	Waste Water	1	90/09/15
60		OH2 80-315 XL/55 2 S6 (\$1.02) A/EXT4	172	67	55	Crude oil	3	90/10/10
61	PEDEC N.I.C.I.C.O	OH1 50-200/2.2 4 (\$1.02)/SA	12	11	2.2	Water	2	90/07/11
62		OH2 25-160 L/2.2 2 (\$1.02)/SA-MFCD	2.2	24	2.2	Chemical Solution	1	90/04/20
63		OH2 25-160 L/2.2 2 (\$1.02)/SA-MFCD	1.7	24	2.2	Chemical Solution	1	90/04/20
64		OH2 25-160 L/1.1 4 (\$1.02)/SA-MFCD	0.17	18	1.1	Chemical Solution	1	90/04/20
65		OH1 125-400/45 4 (P1.00) / SA	100	40	45	Water	2	90/07/11
66		OH1 125-315/22 4 (P1.00) / SA	130	30	22	Water	2	90/07/11

No.	Customer	Type	Q (m3/hr)	H (m)	Power (kw)	Pumping liquid	QTY	Delivery date
67	N.I.C.I.C.O	OH2 50-250 S/2.2 4 (S1.02) / SA	3.4	18	2.2	Chemical Solution	1	90/04/20
68		OH2 25-160 L/2.2 2 (D1.10) A/SA	2.1	30	2.2	NH4 Solution	2	90/08/20
69		OH2 25-160 L/2.2 2 (S1.02)/SA	1.3	30	2.2	Chemical Solution	1	90/08/30
70		OH2 25-160 L/2.2 2 (S1.02)/SA	2.4	30	2.2	Chemical Solution	1	90/08/30
71		OH1 100-250/55 2 I1 (P1.00)/SA	135	70	55	Water	2	90/07/11
72		VS4 50-250 L/3 4 A8 (P1.08)/SA	7	15	3	Slurry	1	90/11/20
73		OH2 25-160 L/2.2 2 I1 (S1.02)/SA	1.1	30	2.2	Chemical Solution	1	90/12/01
74		OH1 32-200/3 2 I1 (P1.00)/SA	5.4	25	3	Water	2	90/12/20
75		OH1 50-250/15 2 A8 (S1.00)/EXT3	30	55	15	Waste Water	1	90/09/01
76		OH1 40-200/7.5 2 A8 (S1.00)/SA	5-30	20-60	7.5	Sulfuric Acid 98%	1	90/08/01
77	Bouali sina petrochemical co	OH2 50-250 S/7.5 2 S6 (S1.02)/EXT3	6	75.5	7.5	Flare waste water	1	90/04/10
78		OH2 50-200 XL/ 10 2 S6 (S1.02)/EXT3	52.4	51	10	Benzene	1	90/04/10
79		OH2 50-250 L/5.5 2 S1 (S1.02)/EXT3	20.6	74.1	5.5	LPG	1	90/04/10
80		VS4 50-250 S/5.5 2 S5 (S1.02)/EXT4	5	67	5.5	Hydrocarbon	1	90/04/10
81	B.I.P.C (Faravareh Unit)	OH2 80-250 L/18.5 2 A8(D1.10)/EXT4	30	60	18.5	Pentane	1	90/04/20
82		OH2 25-160 L/2.5 2 A8 (S1.02) A/EXT3	4.41	29.5	2.5	EDC	1	90/04/10
83	Tabriz Petrochemical Co	OH2 25-160 L/2.2 2 A8 (S1.00) A/EXT4	3	36.4	2.2	Water	1	90/04/30
84		OH1 SL K 150-400/37 4 R1(P1.00)BC/0.8	350	30	37	Slurry	1	91/02/10
85	Kimyagaran Chemical Co	OH2 25-160 L/4 2 S5(S1.02)/EXT4	5	30	4	MEG	2	90/08/10
86		OH2 80-160 XL/28 2 A8(S1.04)/EXT3	170	30	28	Caustic	1	91/03/10
87	PIDECO	OH2 25-160 L/2.2 2 I1 (S1.02)/EXT3	3	30	2.2	Fuel oil	1	90/12/20
88		OH1 SL K 100-315/30 4 R1 (P1.00)BC/0.8	250	30	30	Slurry	3	90/10/20
89	Adine Sanat Co	SEW F 50-160 L/3 4 G/P	5	15	3	Waste Water	1	90/10/25
90		OH1 50-200/15 2 A8 (S1.02)/SA	30	40	15	Sulfuric Acid 98%	1	90/09/10
91	N.I.C.I.C.O	OH1 50-200/22 2 A8(S1.02)/SA	60	40	22	Sulfuric Acid 98%	1	90/09/10
92		OH2 50-250 S/2 4 S5(D1.10)/EXT3	5.5	18.4	2	Sour HC+Water	2	90/12/25
93	Saipa - Kashan plant	OH2 25-200 L/2.5 2 S6(S1.02)/EXT3	2	42	2.5	Diesel oil	2	90/10/15
94		SEW F 50-160 L/3 4 G/P	4	20	3	Waste Water	1	90/11/15
95	Gohar ravesh sirjan	OH1 SL F 50-315/5.5 4 R1(P1.00)BC/1	50	25	5.5	Slurry	6	91/03/02
96		OH1 SL F 100-315/37 4 R1(P1.00)BC/0.8	200	25	37	Slurry	3	91/03/20
97	Adine Sanat Co	OH1 SL F 100-315/37 4 R1(P1.00)BC/0.8	250	20	37	Slurry	5	91/01/20
98		OH1 SL F 100-315/37 4 R1(P1.00)BC/0.8	250	20	37	Slurry	3	91/02/20
99	Arya Sasol Petrochemical Co	OH2 25-200 XL/5.5 2 S1 (S1.02)/EXT4	10	60	5.5	Gasoline	1	90/10/12

No.	Customer	Type	Q (m3/hr)	H (m)	Power (kw)	Pumping liquid	QTY	Delivery date
100	Gharagh Khatam - Shoohtar	VS4 80-200 L/4 4 S6(S1.08)/EXT4	33	11.1	4	Closed Drain	1	90/11/15
101	IRAN Yadak	OH1 SL F 100-315/37 4 R1(P1.00)BC/0.8	250	20	37	Slurry	1	90/11/23
102	Rajaee PP	OH1 40-250/15 2 P1(S1.02)/SA	50	40	15	HCL	1	90/11/30
103	Arvandan Oil and Gas	VS4 80-200 XL /4 4 S1 (S1.02)/EXT4	50	10	4	Hydrocarbon	1	90/12/26
104		OH2 50-200 L/1.5 6 S5(S1.02)/SA	10	5.5	1.5	KAX Solution	1	91/02/05
105	Fakoor sanat tehran	OH2 50-200 S/1.5 4 S5(S1.02)/SA	5	9	1.5	KAX Solution	1	91/02/05
106		OH2 50-250 L/1.5 6 S5(S1.02)/SA	5.5	9.5	1.5	MIBC	1	91/02/05
107		OH2 50-200 L/4 4 A8(S1.02)/SA	11	9	4	Sulfuric Acid 98%	1	91/02/05
108		OH1 80-200/22 2 NAB(S1.00)/SA	90	40	18.5	Sea Water	1	91/03/20
109	Absun Zolal Khavar.	OH1 100-200/30 2 A8(S1.00)/SA	180	30	30	Sea Water	1	91/03/20
110		OH1 65-200/18.5 2 NAB(S1.00)/SA	75	30	22	Sea Water	1	91/03/20
111	Fakoor sanat tehran	SEW F 50-160 S/34 2 D/P	8	22	4	Water	1	91/01/20
112	Hendijan Oil field	VS4 25-160L/5.5 2 S5(S1.04) 185/EXT4	4.5	31.1	5.5	HC & produced water	2	91/03/25
113	Bistoon Petrochemical Co	VS4 50-250 XL/4 4 I1(P1.08)150/SA	15	15	4	Water	1	91/01/10
114		SEW F 50-160 S/34 2 D/P	5	22	4	Water	1	91/01/20
115	Fakoor sanat tehran	SEW F 50-200 S/25 4 D/P	5	12	3	Water	1	91/01/20
116		SEW F 50-160 S/34 2 D/P	5	21.7	4	Water	1	91/01/20
117	Rajaee PP	OH1 40-250/15 2 P1(S1.02)/SA	50	40	15	HCL	1	90/12/12
118	Bahregan Oil field	VS4 50-250 S/15 2 S5 (S1.04) 295/EXT4	8.8	70.38	15	Hydrocarbon	2	91/06/20
119		VS4 80-250 L/37 2 A8(S1.04) 315/EXT3	66	71	37	HC & produced water	2	91/06/20
120		OH2 50-250 L/11 2 D1(D1.21)A/EXT4	20.4	69.3	11	Sour water	2	91/10/04
121	Tehran Oil Refinery	OH2 80-250 XL/55 2 D1(D1.21)A/EXT4	123.2	89.6	55	Stripped sour water	2	91/10/04
122		OH2 80-250 L/37 2 D1(D1.21)A/EXT4	90	85.6	37	Sour water	2	91/10/04
123		OH2 50-250 S/11 2 D1(D1.21)A/EXT4	6	66.6	11	Recovered oil	1	91/10/04
124	Farab Co	SEW K 80-315/13.4 2 B/S	72	23	15	Water	2	91/10/03
125		VS4-50-250-S / 11 2 A8 (S1.08) / SA	11	59.3	11	Rain water	2	91/03/25
126		VS4-50-200-S / 7.5 2 A8 (S1.08) / SA	11	53.1	7.5	Rain water	2	91/05/01
127		VS4-25-160-L / 3 2 A8 (S1.08) / SA	4	35.6	3	Sanitary effluent	2	91/04/07
128	Kavian Petrochemical Co	VS4-50-160-S / 4 2 A8 (S1.08) / SA	10	22.7	4	Organic water	2	91/04/07
129		VS4-25-160-L / 3 2 A8 (S1.08) / SA	4	24.1	3	Contaminated effluent	2	91/05/01
130		VS4-50-250-S / 4 4 A8 (S1.08) / SA	2.2	17.5	4	Contaminated effluent	2	91/03/25
131		VS4-50-250-S / 11 2 A8 (S1.08) / SA	11	61.2	11	Sanitary effluent	2	91/03/25
132		VS4-80-250-XL / 37 2 A8 (S1.08) / SA	120	61.2	37	Contaminated effluent	2	91/05/01

No.	Customer	Type	Q (m3/hr)	H (m)	Power (kw)	Pumping liquid	QTY	Delivery date
133	Kavian Petrochemical Co	V54-80-315-L / 7.5 4 A8 (S1.08) / SA	32	25.6	7.5	Rain water	2	91/05/01
134	Isfahan Petrochemical Co	V54-80-315-L / 7.5 4 S5 (S1.04) 252 / EXT4	30	24	7.5	Benzene, Toluene	6	91/10/02
135	Tabriz Petrochemical Co	V54-50-250-S / 4 4 S6 (S1.08) / EXT4	8	20	4	Oily water	1	91/07/20
136	Adine Sanat Co	OH1/SL F 100-315/30 4 R1(P1.00)BC/0.8	200	20	30	Slurry	5	91/03/02
137	Mase shoo Co	OH1/SL F 100-315/30 4 R1(P1.00)BC/0.8	200	20	30	Slurry	1	91/03/02
138	Palayesh Ghatran Zoghal sang	OH2-25-160-L / 2.2 2 I1 (S1.02) A / EXT3	2.7	33.68	2.2	Wash oil	2	90/01/20
139		OH2 80-315 XL/90 2 S6 (D1.21) A/EXT4	131	119.4	90	Wash oil - 260 C	2	90/12/01
140	Parin Beton Co	SEW K 80-315/97 2 G/P	25	25	11	Slurry	1	91/06/07
141	Balal Offshore Platform	V56-315g/18.5 2 S5 (S1.02) A/EXT4	18	160	18.5	HC & produced water	2	91/12/01
142	Mase shoo Co	OH1/SL F 100-315/30 4 R1(P1.00)BC/0.8	200	20	30	Slurry	4	91/06/02
143	Adine Sanat Co	OH1/SL F 100-315/30 4 R1(P1.00)BC/0.8	200	20	30	Slurry	1	91/06/02
144		V52 500-540/315 6 I1(P1.00)/SA	3600	20	315	Water	2	91/03/20
145	Export to IRAQ	V52 250-290/75 4 I1(P1.00)/SA	750	20	75	Water	10	91/03/20
146		V52 400-400/160 6 I1(P1.00)/SA	2200	15	160	Water	4	91/05/12
147		SEW-80-315 / 11 2 CS / S	35	39.5	11	Sludge	2	91/09/30
148		OH1-40-250 / 7.5 2 S6 (P1.00) / SA	16.5	51.8	7.5	Water	2	91/11/15
149		V54-200-500 / 110 4 S6 (P1.04-61) 410 / SA	410	54.3	110	Water	4	93/09/30
150		V54-150-315-XL / 37 4 S6 (P1.04-61) 410 / SA	324	24.3	37	Water	3	93/09/05
151		V54-150-315-L / 7.5 6 S6 (P1.04-61) 465 / SA	107	14.5	7.5	Water	2	93/08/20
152		V54-50-250-XL / 15 2 A8 (P1.04-61) 410 / SA	35	54.7	15	Water	2	93/09/05
153		OH1-150-400 / 55 4 A8 (P1.00) / SA	227	47.7	55	Water	4	93/04/10
154		OH1-200-400 / 55 4 A8 (P1.00) / SA	380	34.1	55	Water	3	93/04/10
155		OH1-150-250 / 18.5 4 S6 (P1.00) / SA	227	14.3	18.5	Water	3	93/10/30
156	PETROCHEMICAL INDUSTRIES DEVELOPMENT MANAGEMENT COMPANY (PIDMCO)	V54-50-315-XL / 7.5 4 P1 (P1.04-61) 280 / SA	33	29.5	7.5	Regeneration solution	2	93/10/30
157		OH1-80-250 / 7.5 4 A8 (P1.00) / SA	76	19.7	7.5	Water	2	93/09/05
158		OH1-150-315 / 30 4 A8 (P1.00) / SA	220	29.7	30	DM Water	2	93/08/20
159		OH1-50-200 / 11 2 A8 (P1.00) / SA	45	39.6	11	DM Water	3	93/09/20
160		OH1-32-160 / 3 2 A8 (P1.00) / SA	11	31.4	3	Water	2	93/08/20
161		OH1-200-500 / 90 4 S6 (P1.00) / SA	360	53.9	90	Water	2	93/04/10
162		SEW-50-200 / 2.2 4 CS / S	3	10	2.2	Water	2	91/09/30
163		SEW-50-160-S / 2.2 2 CS / S	7	30	2.2	Water	2	91/09/30
164		SEW-50-200 / 2.2 4 S / S	14	10	2.2	Sludge	2	91/09/30
165		SEW-50-160-L / 4 2 CS / S	20	30	4	Water	2	91/09/30
166		SEW-50-200 / 0.75 6 S / S	1	10	0.75	Sludge	2	91/09/30
167		SEW-50-200 / 1.1 4 CS / S	7	10	1.1	Sanitary Waste Water	2	91/09/30
168		SEW-50-200 / 1.1 4 CS / S	7	10	1.1	Water	2	91/09/30
169		SEW-50-200 / 0.75 6 S / S	1	10	0.75	Water	2	91/09/30

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170	PETROCHEMICAL INDUSTRIES DEVELOPMENT MANAGEMENT COMPANY (PIDMCO)	SEW-50-160-S / 2.2 2 CS / S	5	30	2.2	Effluent	2	91/09/30
171		SEW-50-200 / 1.1 4 CS / S	7	10	1.1	Water	2	91/09/30
172		OH2-25-160-L / 2 2 S5 (S1.02-21Q3) A / EXT3	0.88	35	2	Gas Oil	2	91/11/15
173		OH2-50-250-L / 2 4 S5 (S1.02-21Q3) A / EXT3	10	17.88	2	Gas Oil	1	93/03/10
174		SEW-50-160-S / 2.2 2 G / S	5	40	2.2	Sanitary Drain	2	93/03/10
175	Iranian Gas Engineering & Development Co - Assalouye , Phase 1	V54-25-200-L / 3 2 P1 (S1.04-61) 230 / EXT3	2	47.2	3	Oily Effluent	2	91/09/30
176		V54-25-200-L / 3 2 S6 (S1.04-61) 230 / EXT3	2	40	3	Chemical Drain	2	93/07/10
177		OH2-50-250-S / 10 2 S1 (S1.04-61-Q3) A / EXT3	10.89	58.69	10	Caustic Solution 10%	2	93/04/20
178		OH2-25-160-L / 2 5 2 S1 (S1.02-21Q3) A / EXT3	2.55	30.7	2.5	Mercaptan & Water	2	93/04/20
179		OH2-50-250-L / 10 2 S1 (S1.04-61Q3) A / EXT3	21.5	48.15	10	Caustic Solution 10%	1	93/04/22
180		OH2-25-200-L / 3 3 2 S1 (S1.02-21Q3) A / EXT3	2.63	48.24	3.3	Spent Caustic Solution	1	93/04/22
181		OH2-50-250-S / 10 2 S1 (S1.02-21Q3) A / EXT3	4.26	79.77	10	Treated Waste Water	2	93/04/22
182		OH2-50-250-L / 10 2 S1 (S1.04-61Q3) A / EXT3	21.5	51.78	10	Caustic Solution 2%	1	93/04/22
183		OH2-25-200-L / 2 4 S1 (S1.08-Q3) A / EXT3	3.96	11.36	2	Steam Condensate	2	93/04/22
184		OH2 50-200 L / 7 5 2 A8 (S1.04-61) A / EX T3	15	43	7.5	HC Liquid	1	92/04/15
185	Bouali sina petrochemical co Tabriz Water & Waste Water Co	SEW 80-315 / 134 2 G/P	50	45	15	Waste Water	2	91/07/25
186	Iran Mineral	OH1/SL 100-315 / 37 4(P1.00) / SA	250	30	37	Slurry	6	91/06/20
187	Iran Mineral	OH1/SL 200-400 / 55 8 (P1.00) / SA	600	20	55	Slurry	10	91/07/02
188	Estehkam Sood Bndar	OH1 100-200 / 7 5 4 A8 (S1.00) / SA	160	15	7.5	Produced water	5	91/07/10
189	Mase shoo Co	OH1/SL 100-315 / 37 4(P1.00) / SA	250	30	37	Slurry	3	91/07/20
190	Pars Naftoon	SEW 50-160 L/65 2 G/P	30	20	7.5	Waste Water	2	91/07/12
191	Noavarat Sanat Erika	OH1/SL 100-315 / 37 4(P1.00) / SA	200	20	37	Slurry	4	91/07/01
192	N.I.C.I.C.O	V54/SL 100-315 / 30 4 R2 (P1.00) 160/ SA	120	20	30	Slurry	1	91/09/28
193	Pars Naftoon	OH1 40-160/7 5 2 I1 (P1.00) / SA	25	30	7.5	Water	2	91/07/25
194	Fakoor sanat tehran	OH1 40-250 / 4 3 I1 (S1.00) / SA	15	15	4	Water	2	91/07/25
195		OH1 80-200 / 4 4 I1 (S1.00) / SA	30	20	4	Water	2	91/07/25
196	Fakoor sanat tehran	OH5 80-200 / 2 2 4 I1 (S1.00) / SA	20	12	2.2	Circulating Water	2	91/07/10
197		OH1 350-500 / 315 4 I1 (P1.00) / SA	1450	55	315	Cooling water	2	92/03/01
198	N.I.C.I.C.O - CHEHEL KOOREH Cooper concentration project	OH1/SL F 150-400 / 75 4 R1 (P2.00) C / 0.79	236.44	27.1	75	Slurry of Ball mill	2	91/12/10
199		OH1/SL F 50-315 / 30 4 R1 (P2.00) C / 1.17	68	31.2	30	Regrinding mill	2	91/12/10
200		V54/SL 50-315 / 22 4 R1 (P8.00) C 150 / 0.76	35	15	22	slurry of Ball mill	4	91/12/10
201		OH1/SL F 100-315 / 15 6 R1 (P2.00) C / 1	109.6	13.6	15	Slurry	2	91/12/10
202		OH1/SL 50-315 / 5 5 4 R2 (P2.00) C / 0.71	3.4	6.8	5.5	Slurry	2	91/12/10
203	Fakoor sanat tehran	OH2-50-160-XL / 3 4 A8 (S1.02) A / SA	20	7	3	Sulfuric Acid 98%	1	92/02/20
204		SEW-50-160-L / 47 2 S / P	15	21	5.5	Sulfuric Acid 98%	1	92/02/20
205	B.I.P.C (LD Unit)	OH2-50-250-L / 15 2 A8 (S1.04-61) A / SA	20	60	15	Water and PVC	4	92/03/01
206	Export to IRAQ	SEW 300-350/45 2 G / S	750	20	45	Waste Water	4	91/09/01
207	N.I.C.I.C.O - CHEHEL KOOREH Cooper concentration project	OH1 125-400 / 37 4 I1 (P1.00) / SA	130	40	37	Water	2	92/03/02
208		OH1 80-400 / 18 5 4 I1 (P1.00) / SA	45	50	18.5	Water	2	92/03/02

No.	Customer	Type	Q (m3/hr)	H (m)	Power (kw)	Pumping liquid	QTY	Delivery date
209	Sina Chemical Co	OH1 32-160/2.2 2 A8 (\$1.00) / SA	4.2	30	2.2	Water	1	92/09/08
210	Isfahan Industrial zone (Moorchek Khort)	SEW 100-250/97 4 S / S	126	18	11	Sewage	3	92/06/01
211		SEW 50-160/18 4 S / S	15	6	2.2	Sewage	1	92/06/01
212		SEW 50-160/18 4 S / S	18	9.5	2.2	Sewage	1	92/06/10
213		SEW 80-210/34 4 S / S	36	9	4	Sewage	2	92/06/10
214		SEW 80-210/34 4 S / S	67	8	4	Sewage	2	92/06/10
215		SEW 80-210/34 4 S / S	43	8	4	Sewage	3	92/06/10
216		OH1 40-200/7.5 2 I2 (P1.00) / EXT4	15	50	7.5	Water	10	92/04/01
217	N.I.S.O.C (Marun)	OH1-125-400 / 11 6 S5 (P1.00) / SA	100	20	11	Cooling water	3	92/03/20
218	Padideh Shimi Gharb	OH2-80-250-L / 5.5 4 S6 (\$1.02) A / SA	30	20	5.5	22wt% Glycol Solution	2	92/05/30
219		OH1-40-160 / 4 2 S5 (P1.00) / SA	20	30	4	Hot water	2	92/03/20
220		OH2-25-160-L / 1.5 2 S5 (\$1.0241) A / SA	4	23	1.5	L.A.B	2	92/05/30
221		OH2-50-200-XL / 11 2 S5 (\$1.02) A / SA	40	40	11	L.A.B	2	92/05/30
222		OH2-25-160-L / 1.5 2 A8 (\$1.02) A / SA	4	23	1.5	L.E.A	2	92/05/30
223		OH2-50-200-XL / 11 2 A8 (\$1.02) A / SA	40	39	11	L.E.A	2	92/05/30
224		OH2-25-160-L / 3 2 A8 (\$1.02) A / SA	3	21	3	NaOH	2	92/05/30
225		OH2-50-200-XL / 18.5 2 A8 (\$1.02) A / SA	40	39	18.5	NaOH	2	92/05/30
226		OH1-80-400 / 7.5 6 S5 (P1.00) / SA	50	20	7.5	Cooling water	1	92/03/20
227		OH1-150-400 / 18.5 6 S5 (P1.00) / SA	160	20	18.5	Cooling water	1	92/03/20
228	Pars Arian Ab	SEW 50-160 / 18 4 G / S	15	5.5	2.2	Waste Water	1	92/03/10
229	Padideh Shimi Gharb	V54 25-160L/5.5 2 S5(\$1.08) 200/SA	3	28	5.5	Molten Sulphur	1	92/06/06
230	Mapna Boiler (Shazand PP)	V54 150-500 XL/110 4 S1 (P1.14) 370/SA	265.7	57.26	110	Blow Down Water	2	92/03/20
231	Pasargad	OH1 65-200/18.5 2 A7(\$1.00)/SA	60	40	7.5	Make up Water	14	92/03/05
232	Mineral Sanat	OH1/SL 100-315 / 37 4(P1.00) / SA	200	20	37	Thickner under flow	4	92/03/08
233	I.O.O.C (Lavan)	OH2 25-160 L/2.2 2 A8 (\$1.02) A/EXT4	5.5	25	2.2	Hydrocarbon	2	92/08/13
234		OH2 50-250 S/11 2 A8 (\$1.04) A / EXT4	12	77.3	11	Hydrocarbon	2	92/08/13
235	Far Azar Ab	OH1 32-200/3 2 I1 (\$1.00)/SA	8	38	3	Saltwater	2	92/05/15
236		OH1 65-315/11 4 I1 (\$1.00)/SA	48	31.5	11	Saline Water	2	92/05/15
237		OH1 65-315/11 4 A8 (\$1.00)/SA	48	31.5	11	Saline Water	2	92/05/15
238	N.I.C.I.C.O	SEW 50-200/2.2 4 G/P	12	10	2.2	Sewage	3	92/04/10
239	Samica	OH1/SL F 150-400 / 55 4 R1 (P1.00) AC/ 0.67	250	30	55	Sand Slurry	3	92/04/15
240	Khoy Power Plant	OH1 40-160/5.5 2 A8 (\$1.00)/SA	30	40	5.5	Sulfuric Acid 98%	1	92/04/12
241	Pars Arian Ab	SEW 80-315 /9.7 2 S/S	43.2	22	11	Water	2	92/06/20
242	Samica	OH1/SL F 150-400 / 55 4 R1 (P1.00) AC/ 0.67	250	30	55	Sand Slurry	2	92/06/01
243	Mapna Boiler (Qeshm PP)	OH2 50-250 XL /22 2 A8(\$1.02-21A)/SA	52	77	22	Desalinated Water	1	92/09/10
244	Minco	OH1 SL 200-400/55 8 R1(P1.00) C/0.5	450	15	55	Sand Slurry	5	92/05/15
245	Abrah Gostar Sepid Parsian	SEW 100-250/75 4 G / P	43.2	20	7.5	Sanitary Waste Water	2	92/04/18
246	N.I.C.I.C.O	V54 100-315/15 4 A8 (\$1.07) 200/SA	100	26	15	Sludge	1	92/08/13
247	Samica	SEW 150-315/18.5 4 G / P	200	20	18.5	Sewage	1	92/06/15

No.	Customer	Type	Q (m3/hr)	H (m)	Power (kw)	Pumping liquid	QTY	Delivery date
248	Sinopec Service Kish (SSK)	TL-552 (Gear pump)	2	30	1.5	Recovered oil	8	93/10/01
249	Mapna Boiler (Damavand PP)	VS4 50-250-S/11 2 A8 (S1.07) 195 / SA	5	73	11	Blow Down Water	6	92/12/20
250		VS4 50-200-L/15 2 A8 (D1.11) 350/EXT4	10	86	15	Wet Sour Hydrocarbon	2	93/05/10
251	I.O.O.C (Hengam Gas Treatment Plant)	VS4 50-250-S/4 4 S5 (D1.11) 350/EXT4	5	15.8	4	Lean Amin	1	93/05/10
252		VS4 50-160-S/5 2 S5 (D1.11) 259/EXT4	10	25	5.5	Liquid HC	1	93/05/10
253		OH2 25-250-S/5 2 A8 (S1.02)A/SA	7.8	65	5.5	Deminerlized Water	2	93/05/10
254		OH2 50-250-S/15 2 S5 (S1.02)A/SA	11.4	86	15	Utility Water	2	93/05/10
255	Shahrdari Bandar Abbas	VS4 300-350/110 4 A8 (P1.08)300/SA	1350	20	110	Sea Water	3	92/08/10
256	I.O.O.C (Lavan FF)	OH2 25-200/11 4 S1 (S1.00)A/SA	5	15	1.1	Fuel oil	2	92/08/12
257	Ehdas Co (Assaluye)	OH2 80-200-L/4 4 A8 (S1.04-61)A/EXT4	30	9.35	4	Caustic Solution 40%	1	92/12/05
258		OH2 80-250-XL/37 2 S1 (S1.02)A/EXT4	95	85.5	37	Feed Water	1	92/12/05
259	Samica	SEW 150-315/18.5 4 G / P	200	20	18.5	Sewage	2	92/06/10
260	Poly Styrene Sahand Co	OH1/SL F 50-315 / 11 4 R1 (P1.08) AC/0.8	25	30	11	Styrene+Water	4	92/10/01
261	Sina Chemical Co	OH1 32-160/2 2 2 A8 (S1.00) / SA	4.2	30	2.2	Water	2	92/08/07
262	Razi Petrochemical Co	OH2 50-250/18.5 2 A8 (S1.02)/SA	40	68	18.5	Drinking Water	1	92/08/10
263		OH2 50-160-L/5 2 S1 (S1.00)A/EXT3	22	25.6	5.5	Gas Oil	1	92/12/15
264	Pasargad Oil Co	OH2 50-200-S/5 2 S1 (S1.00)A/EXT3	11	37.8	5.5	Gas Oil	2	92/12/15
265		VS4 50-160-S/5 2 S4 (S1.04-61)200/EXT3	11	27	5.5	Hot Oil	1	92/12/15
266	I.O.O.C (Lavan)	OH2 80-200-XL/37 2 D1 (S1.04)A/EXT4	140	44	37	Produced water	2	92/11/15
267	Sangin Nasb	OH1/SL F 150-400/37 4 R1 (P1.08)AC/0.8	300	23	37	Iron ash	2	92/10/22
268	Tabriz Oil Refinery	OH2 80-200-L/18.5 2 A8 (S1.02)A/EXT3	65	35	18.5	Bitumen	3	92/10/24
269	Samica	SEW 150-315/18.5 4 G / P	200	20	18.5	Sewage	4	92/06/20
270	Pasargad Isfahan	OH1 65-200	80	20	11	Water	14	92/06/11
271	Sepahan Oil Co	OH2-50-315-L / 30 2 S6 (S1.02-2103) A / SA	12	150	30	Oil	2	93/02/02
272		OH2 25-200L/4 1 2 S1 (S1.02) A / EXT3	2.5	49.01	4.1	Spent Caustic Solution	1	92/12/05
273	Ehdas Co (Assaluye)	OH2 50-250L/15 2 S1 (S1.02)A/EXT3	21	51.8	15	Caustic Solution 2%	1	92/12/05
274		OH2 50-250-S/10 2 S1 (S1.02)A/EXT3	4	79.85	10	Treated Waste Water	2	92/12/05
275	Khatam-Al-Anbia (Moasese amin)	OH1/SL F 100-315 37 4 R1 (P1.08)AC /1	150	23	37	Slurry	1	92/11/30
276		OH1-50-160 / 4 2 A8 (S1.00) / SA	15	15	4	Sulfuric Acid 98%	3	93/07/10
277		OH1-50-160 / 11 2 A8 (S1.00) / SA	60	25	11	Sulfuric Acid 98%	4	93/07/20
278	N.I.C.I.C.O	OH1-50-160 / 7.5 2 A8 (S1.00) / SA	30	25	7.5	Sulfuric Acid 98%	6	93/08/10
279		OH1-50-160 / 4 2 A8 (S1.00) / SA	15	20	4	Sulfuric Acid 98%	6	93/08/10
280		VS4/SL 100-315 / 30 4 R2 (P1.00)160 / SA	150	35	30	Slurry	2	93/07/20
281	Pars Petrochemical Co	VS4 25-160L/4 2 S5 (S1.04-61) 120/EXT4	5	25	4	Hydrocarbon+Water	1	93/01/30
282		OH1 40-250/15 2 S5 (S1.02)/EXT4	15	87	15	Styrene+Water	2	93/08/20
283		OH2 50-315 L/18.5 2 S5 (S1.00) A/EXT4	10	140	18.5	DM Water	1	93/08/20
284	Zarif Mossavar Co / XSBR Project	OH1 80-200 / 30 2 S5 (S1.00) / EXT4	120	40	30	Hot Water	1	93/08/20
285		OH2 50-315 L/18.5 2 A8 (S1.02) A/EXT4	10	140	18.5	1,3 Butadiene+Styrene	1	93/08/20
286		OH2 50-315 L/18.5 2 A8 (S1.02) A/EXT4	10	140	18.5	1,3 Butadiene+Styrene	1	93/08/20

No.	Customer	Type	Q (m3/hr)	H (m)	Power (kw)	Pumping liquid	QTY	Delivery date
287	Zarif Mossavar Co / XSBR Project	OH2 50-315 L/18.5 2 A8 (S1.02) A/EXT4	10	140	18.5	1,3 Butadiene-Styrene	2	93/08/20
288	Avand KianPars	OH1/SL 100-315 / 37 4(P1.00) / SA	80	80	37	Slurry	1	92/12/05
289	Kermanshah Oil Refinery	OH1 40-200/ 4 2 I1 (P1.00) / EXT4	16	33	4	Condensate Water	1	93/02/02
290	Bana Gostar Karaneh	KL-5222/5.5 6 (S1.00)/EXT4 - API 676	10	30	5.5	Gas Oil	1	93/10/30
291	Bandar Imam Petrochemical Co	OH2 50-200 XL/11 2 56 (S1.02-21Q3A)/EXT4	30	47.47	11	Light HC	2	93/05/15
292	Kavosh Sanat Toos	OH2 50-250-S/ 4 2 A8 (S1.02) A/EXT4	3.3	63.1	4	Propylene	1	93/10/30
293		OH1 32-160/3 2 A8 (P1.00)/SA	8	30	3	Process Water	2	93/09/20
294		OH1 65-200/15 2 A8 (P1.00)/SA	65	35	15	Raw Water	2	93/09/20
295	Keyson (Gol-e-Gohar 2)	OH1 40-250/11 2 I1 (P1.00)/SA	16	50	11	Potable Water	2	-
296		OH1 50-200/18.5 2 I1 (P1.00)/SA	48	50	18.5	Cooling Water	2	93/09/20
297		SEW 50-160-S/34 2 S / P	10	28.5	4	Drain water	1	-
298		OH1-40-160 / 1.1 4 A8 (S1.00) / SA	11	7	1.1	PLS/ILS/Raffinate	1	93/09/20
299		OH1-40-160 / 1.1 6 A8 (S1.00) / SA	5	3.5	1.1	Organic/Raffinate	1	93/09/20
300		V54-50-160-L / 1.1 4 A8 (S1.04-61) 120 / SA	10	8.5	1.1	ILS/Raffinate	1	93/06/10
301		OH1-80-250 / 7.5 4 A8 (S1.00) / SA	63.1	17.3	7.5	PLS	2	93/08/12
302		OH1-65-250 / 37 2 A8 (S1.00) / SA	68.32	70.2	37	ILS	2	93/09/10
303		OH1-50-200 / 1.5 4 A8 (S1.00) / SA	20	10	1.5	Storm Water	1	93/07/15
304		OH1-65-250 / 30 2 A8 (S1.00) / SA	59.91	70.2	30	Raffinate	2	93/09/08
305		OH1-80-160 / 2.2 4 A8 (S1.00) / SA	48	6.2	2.2	Raffinate	2	93/08/14
306		V54-50-200-L/1.35 4 A8 (S1.04-61) 120/EXT3	10	10.4	1.35	Raffinate/Electrolyte	1	93/06/10
307		OH1-80-200 / 5 4 A8 (S1.00) / EXT3	69.65	10.05	5	Organic Feed	2	93/08/14
308		OH1-32-160 / 1 4 A8 (S1.00) / EXT3	6	8	1.1	Recovered Organic	1	93/07/15
309		OH1-80-250 / 6.8 4 A8 (S1.00) / EXT3	63.29	14.05	6.8	Raffinate	2	93/08/25
310		OH1-40-250 / 3.6 4 A8 (S1.00) / EXT3	13.2	18.2	3.6	Strong Electrolyte	4	93/08/25
311		OH1-32-160 / 4.1 2 A8 (S1.00) / EXT3	13.2	26	4.1	Strong Electrolyte	2	93/07/05
312		OH1-40-160 / 1.35 4 A8 (S1.00) / EXT3	13.2	5	1.35	Electrolyte	2	93/07/05
313		V54-50-250-L / 2.2 4 A8 (S1.04-61) 120 / SA	10	14.1	2.2	Electrolyte	1	93/06/10
314		OH1-65-250 / 6.8 4 D1 (S1.00) / EXT3	44	16.95	6.8	Cell Feed Electrolyte	2	93/09/10
315		OH1-40-200 / 2 4 D1 (S1.00) / EXT3	13.42	12.45	2	Spent Electrolyte	2	93/09/10
316		V54-50-200-L / 1.4 6 A7 (S1.00) 120 / EXT3	10	4.4	1.4	Wasted Gas Oil	1	93/06/10
317		OH1-32-160 / 1.35 4 S5 (S1.00) / EXT3	5	7.1	1.35	Fuel oil	2	93/07/05
318		V54-50-250-L / 2.2 4 A8 (S1.00) 120 / SA	10	14.1	2.2	DM Water	1	93/06/10
319		V54-50-250-L / 2.2 4 S5 (S1.00) 120 / SA	10	14.1	2.2	Water	1	93/06/10
320		OH1-65-315 / 7.5 4 S5 (S1.00) / SA	30	23.3	7.5	Raw Water	3	93/07/20
321		V54-50-200-L / 3 4 A8 (S1.04-61) 120 / SA	10	12.5	3	Wasted Sulfuric Acid	1	93/06/10
322		OH1-50-200 / 3 4 A8 (S1.00) / SA	25	8.5	3	Sulfuric Acid 93%	2	93/08/12
323		V54-50-160-XL / 1.4 6 A7 (S1.00) 120 / EXT3	10	2.9	1.4	Wasted Diluent	1	93/06/10
324		OH1-40-160 / 1.4 6 A8 (S1.00) / EXT3	5	2.6	1.4	Mixture of Diluents	1	93/07/10
325		OH1-40-200 / 1.4 6 A8 (S1.00) / EXT3	5	4.4	1.4	Mixture of Diluents	1	93/07/10

Zagros Mes Sazan co

No.	Customer	Type	Q (m3/hr)	H (m)	Power (kw)	Pumping liquid	QTY	Delivery date
326	Zagros Mes Sazan co	OH1-50-160 / 1.35 4 S5 (\$1.00) / EXT3	20	5.6	1.35	Fuel oil	2	93/07/10
327	Arvand petrochemical co	OH2-50-315-L / 37 2 S5 (D1.11) A / EXT4	16.2	138	37	Ethylene Dichloride	2	-
328		OH2-50-315-L / 45 2 S5 (D1.23) A / EXT4	20	150	45	EDC, VCM, HCL	1	-
329	IGC (I.O.O.C) Firoozan Offshore	OH3 25-250/ 3 4 A8 (\$1.02) A / EXT3	5.5	21	3	Sour Oil & Water	2	-
330	Shiraz Petrochemical Co	OH2-150-400 / 45 4 A8 (\$1.00) A / SA	250	36	45	Water	2	93/10/08
331	N.I.C.I.C.O	OH1/SL F 50-315 30 2 R1(P1.08)AC /0.6	12	60	30	Slurry Water	2	93/10/30
332	IRITEC (Amin Institute)	BB432-4Stag/7.5 2 I1 (\$1.00)SA	4.7	105	7.5	Water	2	93/07/25
333	Aris Tahviah	OH1-100-250 / 75 2 I1 (\$1.00) / SA	150	60	75	Water	1	93/08/10
334		OH1-65-250 / 37 2 I1 (\$1.00) / SA	78	60	37	Water	1	93/08/10
335	Boushehr Abfa	SEW-250-290 / 532 4 S / P	700	20	55	Sewage	4	93/04/30
336	Shiraz Abfa	SEW-250-290 / 532 4 S / P	700	20	55	Sewage	2	93/05/15
337	Abfa Tabriz (Mr. Khatibi)	SEW-250-290 / 532 4 S / P	700	20	55	Sewage	4	93/06/01
338	Machine Sazi Arak	SEW-80-210 / 34 4 G / S	61.6	6	4	Sanitary Waste Water	2	-
339		SEW-50-160 / 18 4 G / S	19.8	5	3	Sanitary Waste Water	2	-
340	Kordestan Abfa (Shahrab)	SEW 80-210/34 4 S / S	100	8	4	Sanitary Waste Water	2	93/08/20
341	Petrochemical Research & Technology Co	OH1-32-160 / 2.5 2 S6 (\$1.00) / EXT3	3	31	2.5	NAOH 10%	2	93/12/25
342		SEW-100-250 / 7.5 4 S / S	72	11.5	7.5	Sewage	1	93/11/15
343	Arak Abfa	SEW-300-350 / 706 4 S / S	1080	10	55	Sewage	3	93/11/15
344		SEW-100-250 / 7.5 4 S / S	72	15	7.5	Sewage	4	93/11/15
345		SEW-80-210 / 34 4 S / S	72	7	4	Sewage	4	93/11/15
346	Bashmagh Oil Depot	EGP 6150/30 8 (\$1.00)/EXT4	100	30	30	Gas Oil	4	93/11/10
347		OH2 25-200/5.5 2 S5 2 S5 (\$1.02)/EXT3	8	50	5.5	Styrene	2	-
348		OH2 50-200/7.5 2 S5 2 S5 (\$1.02)/EXT3	20	45	7.5	Styrene	2	-
349		OH1/HO 50-160 / 7.5 2 I1 (\$1.00) A / EXT3	30	30	7.5	Hot Oil	1	93/12/25
350		OH1/HO 50-160 / 7.5 2 I1 (\$1.00) A / EXT3	30	30	7.5	Hot Oil	1	93/12/25
351		OH1/HO 50-160 / 7.5 2 I1 (\$1.00) A / EXT3	30	30	7.5	Hot Oil	1	93/12/25
352		OH1/HO 100-200 / 30 2 I1 (\$1.00) A / EXT3	180	30	30	Hot Oil	2	93/12/25
353		OH1/HO 100-200 / 30 2 I1 (\$1.00) A / EXT3	180	30	30	Hot Oil	2	93/12/25
354	Artan Petro Kayhan / General Purpose Polystyrene (GPPS) Plant	IGP 50/7.5 6 I1 (\$1.00) A/EXT3	7.5	60	7.5	Fuel oil	1	93/12/25
355		OH1 100-315/18.5 4 I1 (\$1.02)/SA	88	30	18.5	Water	2	93/12/25
356		OH1 150-400/45 4 I1 (\$1.02)/SA	300	30	45	Cooling Water	3	93/12/25
357		OH1 150-400/75 4 I1 (\$1.02)/SA	300	50	75	Cooling Water	3	93/12/25
358		OH1 100-400/30 4 I1 (\$1.02)/SA	100	40	30	Water	2	93/12/25
359		OH2 25-200/4 2 S5 (\$1.02)/EXT3	4	50	4	Styrene	1	-
360		OH2 25-200/4 2 S5 (\$1.02)/EXT3	4	50	4	Styrene	1	-
361		OH2 25-200/4 2 S5 (\$1.02)/EXT3	4	50	4	Styrene	1	-
362		OH2 25-200/4 2 S5 (\$1.02)/EXT3	4	50	4	Styrene	2	-



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