








|                                                                                                                                        |                                                    |             |              |             |             |             |                                                                                                                                                                                |                                |             |
|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-------------|--------------|-------------|-------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------|
| OWNER:<br><br>شرکت سست موبلی آوند ایرپک<br>(سهامی خاص) | <b>BUSHEHR PETROCHEMICAL COMPANY<br/>MEG PLANT</b> |             |              |             |             |             | EPC CONTRACTOR:<br><br>Chagalesh-Enerchimi-Steam<br>Joint Venture<br>BUPC-MEG PLANT PROJECT |                                |             |
| MC :<br><br>شرکت سست موبلی آوند ایرپک<br>سهامی خاص    | <b>Sub vendor list</b>                             |             |              |             |             |             |                                                                                             |                                |             |
|                                                                                                                                        | <b>Project</b>                                     | <b>Area</b> | <b>Phase</b> | <b>Unit</b> | <b>Dis.</b> | <b>Doc.</b> | <b>Seq.</b>                                                                                                                                                                    | <b>Contract No : 52-98/445</b> |             |
| <b>Owner Document Number:<br/>17811-43</b>                                                                                             | <b>BU</b>                                          | <b>20</b>   | <b>VD</b>    | <b>303</b>  | <b>PE</b>   | <b>LST</b>  | <b>0002</b>                                                                                                                                                                    | <b>Rev.:</b>                   | <b>Page</b> |
|                                                                                                                                        |                                                    |             |              |             |             |             |                                                                                                                                                                                | 03                             | 1 of 7      |

## Sub vendor list

|             |             |                         |                 |                |                 |                 |                  |
|-------------|-------------|-------------------------|-----------------|----------------|-----------------|-----------------|------------------|
|             |             |                         |                 |                |                 |                 |                  |
| 03          | 05/09/2022  | <b>Final Issue</b>      | <b>JR</b>       | <b>KP</b>      | <b>PW</b>       |                 |                  |
| 02          | 16/11/2021  | <b>For approval</b>     | <b>JR</b>       | <b>KP</b>      | <b>PW</b>       |                 |                  |
| 01          | 05/10/2021  | <b>For approval</b>     | <b>JR</b>       | <b>KP</b>      | <b>PW</b>       |                 |                  |
| 00          | 21/06/2021  | <b>For approval</b>     | <b>JR</b>       | <b>KP</b>      | <b>PW</b>       |                 |                  |
| <b>Rev.</b> | <b>Date</b> | <b>Purpose of Issue</b> | <b>Prepared</b> | <b>Checked</b> | <b>Approved</b> | <b>AC Code</b>  |                  |
|             |             |                         |                 |                |                 | <b>Class: 1</b> | <b>Phase: PE</b> |

|                                                                                                                                                   |                                                    |                                                                                                               |             |             |            |             |              |                         |                |
|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------|-------------|------------|-------------|--------------|-------------------------|----------------|
| <b>OWNER:</b><br><br>شرکت سست و سویی تو سرام ایران<br>(سهایی غاس) | <b>BUSHEHR PETROCHEMICAL COMPANY<br/>MEG PLANT</b> | <b>EPC CONTRACTOR:</b><br> |             |             |            |             |              |                         |                |
| <b>MC :</b><br><br>شرکت سست و سویی تو سرام ایران<br>(سهایی غاس)  | <b>Sub vendor list</b>                             |                                                                                                               |             |             |            |             |              |                         |                |
| <b>Owner Document Number:</b><br>17811-43                                                                                                         | Project<br>BU                                      | Area<br>20                                                                                                    | Phase<br>VD | Unit<br>303 | Dis.<br>PE | Doc.<br>LST | Seq.<br>0002 | Contract No : 52-98/445 |                |
|                                                                                                                                                   |                                                    |                                                                                                               |             |             |            |             |              | Rev.:<br>03             | Page<br>2 of 7 |

**TABULATION OF REVISED PAGES**

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| 2.   | X   | X   | X   | X   |     |
| 3.   | X   | X   | X   | X   |     |
| 4.   | X   |     | X   | X   |     |
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PREFERRED SUBSUPPLIERS LIST

|                                          |                     |                 |
|------------------------------------------|---------------------|-----------------|
| PROJECT :                                | 17811-COM           |                 |
| CLIENT:                                  | FGS Global AB       |                 |
| <b>Type of Material</b>                  | <b>Make</b>         | <b>Country</b>  |
| <b>COMPRESSOR BLOCK</b>                  | Mehrer              | Germany         |
| <b>ELECTRICAL HEATER OIL</b>             | Mehrer              | Germany         |
| <b>WATER COOLER</b>                      | IWS Monje           | Switzerland     |
| <b>ELECTRIC MOTORS</b>                   | WEG                 | Brasil          |
| <b>GAUGES (pressure / temperature)</b>   | Wika                | USA             |
| - flow (V.A.)                            | Ashcroft            | UK              |
|                                          | Krohne              | Germany         |
| <b>TEMP/ (DIF) PRESSURE TRANSMITTERS</b> | ABB                 | UK              |
|                                          | Endress & Hauser    | Switzerland     |
|                                          | Rosemount & Emerson | USA             |
|                                          | Siemens             | Germany         |
|                                          | Smar                | USA             |
|                                          | Yokogawa            | Japan           |
| <b>FLOW TRANSMITTERS</b>                 | Endress & Hauser    | Switzerland     |
|                                          | Krohne              | Germany         |
|                                          | Rosemount & Emerson | USA             |
|                                          | Siemens             | Germany         |
|                                          | ABB                 | Italy           |
|                                          | Yokogawa            | Japan           |
| <b>CABLE</b>                             | LAPP                | Germany         |
| <b>CABLE GLAND</b>                       | CMP                 | UK              |
|                                          | Hawke               | UK              |
| <b>TAPERLOCK &amp; PULLEYS</b>           | FPT                 | UK              |
|                                          | Vector              | Germany         |
|                                          | Imthorn             | The Netherlands |
| <b>GASKETS</b>                           | Klinger             | USA             |
|                                          | Eriks               | The Netherlands |
| <b>VALVES</b>                            | Pekos               | Spain           |
|                                          | Kitz                | Japan           |
|                                          | JC                  | Spain           |
|                                          | Alfa Valvole        | Italy           |
| <b>SOLENOID VALVES</b>                   | ASCO                | USA             |
|                                          | Maxseal             | UK              |
| <b>CHECK VALVE</b>                       | Hoerbiger           | Switzerland     |
| <b>REGULATORS</b>                        | Maxseal             | UK              |
| (pressure reducer/<br>back pressure)     | Mankenberg          | Germany         |
|                                          | Niezgodka           | Germany         |



PREFERRED SUBSUPPLIERS LIST

|                                |                        |                |
|--------------------------------|------------------------|----------------|
| PROJECT :                      | 17811-COM              |                |
| CLIENT:                        | FGS Global AB          |                |
| <b>Type of Material</b>        | <b>Make</b>            | <b>Country</b> |
|                                | Norgren                | UK             |
|                                | (Fisher) Emerson       | USA            |
| <b>LCP</b>                     | Bartec                 | Germany        |
|                                | Stahl                  | Germany        |
| <b>Cabinet UCP / MCC</b>       | Rittal                 | Germany        |
| <b>Assembly UCP</b>            | Airpack Nederland B.V. | Nederland      |
| <b>Assembly UCP</b>            |                        |                |
| <b>INDUSTRIAL WORK STATION</b> | HP                     | USA            |
|                                | Dell                   | USA            |
| <b>SAFETY VALVES</b>           | Broady                 | UK             |
|                                | (Crosby) Emerson       | France         |
|                                | Farris                 | UK             |
|                                | Leser                  | Germany        |
| <b>PRESSURE CONTROL VALVE</b>  | (Fisher) Emerson       | USA            |
|                                | Samson                 | Germany        |



Reference list



## REFERENCE LIST PISTON COMPRESSORS

This is just a summary of important installations.

Since establishment of Airpack, we manufactured over 5000 packages.

| Reference no. | Package type       | End user                                            | Contractor                            | Description                                                                                                                        | Capacity                                                                            | Pressure                  | Location             |
|---------------|--------------------|-----------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------|----------------------|
| 17664-COM     | Compressor Package | Kuwait Oil Company (KOC)                            | Petrofac International                | GC-32 New Gathering Centre for SEK Project<br>Breathing Air Compressor Package<br>Bottle rack package                              | 1x 41Nm <sup>3</sup> /hr                                                            | 350 bar(g)                | Kuwait               |
| 1716-COM      | Compressor Package | National Petrochemical Company (N.P.C.)             | Radira Co.                            | Pars Petrochemical Complex Offsite Facilities<br>Air Compressor Package                                                            | 53,2 Nm <sup>3</sup> /hr                                                            | 26 bar(a)                 | Iran                 |
| 1259-COM      | Compressor Package | Oil and Natural Gas Corporation (ONGC)              | Hyundai Heavy Industries (HHI)        | Mumbai High South Process Platform (MSP)<br>Starting Air Compressor Package                                                        | 35 Nm <sup>3</sup> /hr                                                              | 14 kg/cm <sup>2</sup> (g) | India                |
| 2674-COM      | Compressor Package | Kuwait National Petroleum Company (KNPC)            | Kallol General Trading & Est.         | Mina Abdulla Refinery<br>Starting Air Package                                                                                      | 79 SCFM                                                                             | 256 psig                  | Kuwait               |
| 2695-GEN      | Generation Package | Petropars                                           | MAPNA                                 | South Pars Gas Field Development Project Phase 1<br>(Onshore)<br>PSA generator<br>Lubricated T-type booster compressors<br>Chiller | 2x 323 Nm <sup>3</sup> /hr<br>2x 115 Nm <sup>3</sup> /hr                            | 7,5 bar(g)<br>85 bar(g)   | Iran                 |
| 2174-GEN      | Generation Package | Rashpetco                                           | ENPPI                                 | Rosetta Gas Field Development Project<br>Nitrogen Membrane Generator<br>High Pressure Gas Booster Compressor                       | 140 Sm <sup>3</sup> /hr @ 97% N <sub>2</sub><br>114 Sm <sup>3</sup> /hr             | 6 bar(g)<br>220 bar(g)    | Egypt<br>(Gabo)      |
| 2623-COM      | Compressor Package | Qantara Petroleum Company                           | ENPPI                                 | Qantara Field Development Project<br>Compressor Package<br>Dryer Package                                                           | 66 Nm <sup>3</sup> /hr<br>47,5 Nm <sup>3</sup> /hr<br>dewpoint - 40 °C @ 7,5 bar(g) | 8,5 bar(g)<br>7 bar(g)    | Egypt                |
| 1615-COM      | Compressor Package | Esso                                                | Fluor Daniel Ltd.                     | Air Compressor & Air Dryer Package                                                                                                 | 400 Nm <sup>3</sup> /hr<br>dewpoint: -40°C                                          | 7 bar(g)                  | United Kingdom       |
| 0858-COM      | Compressor Package | Shell                                               | JGC Corporation                       | LNG Gas Supply Project<br>Instrument Air Compressor & Heatless Dryer                                                               | 990 Sm <sup>3</sup> /hr<br>dewpoint: -40°C                                          | 10 bar(g)                 | Nigeria              |
| 0888-COM      | Compressor Package | Bluewater                                           | Fluor Daniel Ltd.                     | 'Bleo Holm' FPSO<br>Instrument Air Compressor Package<br>Instrument Air Dryer Package                                              | 665 m <sup>3</sup> /hr<br>550 m <sup>3</sup> /hr<br>dewpoint: -40°C                 | 10,5 bar(g)<br>10 bar(g)  | Scotland             |
| 0956-COM      | Compressor Package | Bangchak Petroleum                                  | Mitsui Engineering & Shipbuilding Co. | BCD - HDS Project<br>Instrument Air Compressor & Heated Dryer                                                                      | 823 Nm <sup>3</sup> /hr<br>dewpoint: -40°C                                          | 6,9 bar(g)                | Thailand             |
| 0310-COM      | Compressor Package | Abu Dhabi Company for Onshore Oil Operations (ADCO) | Snamprogetti                          | ADCO Sahil Full Field Development Project<br>Instrument Air Package<br>Instrument Air Package                                      | 185 Nm <sup>3</sup> /hr<br>455 Nm <sup>3</sup> /hr                                  | 10 bar(g)<br>11 bar(g)    | United Arab Emirates |
| 0476-COM      | Compressor Package | TSP Complex Ltd.                                    | Mid-Far                               | Instrument Air Compressor                                                                                                          | 400 Nm <sup>3</sup> /hr                                                             | 8 bar(g)                  | Bangladesh           |

| Reference no. | Package type       | End user      | Contractor | Description                                                                       | Capacity                                                                                                            | Pressure                         | Location |
|---------------|--------------------|---------------|------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------|----------|
| 7931-COM      | Compressor Package | Kala Naft     |            | Instrument Air Screw Compressor<br>4 installations<br>Piston Compressors<br>Dryer | 150 Nm <sup>3</sup> /hr<br>dewpoint: -40°C<br>285 Nm <sup>3</sup> /hr<br>285 Nm <sup>3</sup> /hr<br>dewpoint: -40°C | 8 bar(g)<br>8 bar(g)<br>8 bar(g) | Iran     |
| 6030-COM      | Compressor Package | Kala Naft     |            | Diesel Driven Instrument Air Compressor                                           | 930 CFM                                                                                                             | 120 psig                         | Iran     |
| 7356-COM      | Compressor Package | Kala Naft     |            | Heatless Air Dryer, 2x<br>Non Lubricated Compressors, 3x                          | 400 SCFM<br>225 SCFM                                                                                                | 100 psi<br>100 psi               | Iran     |
| 7382-COM      | Compressor Package | Kala Naft     |            | E-motor Driven Oil-free Air Compressors<br>3 Installations                        | 168 Nm <sup>3</sup> /hr<br>dewpoint: -40°C                                                                          | 10 bar(g)                        | Iran     |
| 7485-COM      | Compressor Package | Kala Naft     |            | Air Compressor Package                                                            | 144 SCFM                                                                                                            | 114,7 psia                       | Iran     |
| 7789-COM      | Compressor Package | Shell Sarawak | Hafadi     | Compressors (3) and Dryer (1) Package                                             | 403 Nm <sup>3</sup> /hr<br>dewpoint: -40°C                                                                          | 10,7 bar(g)                      | Malaysia |
| 5283-COM      | Compressor Package | Kala Naft     |            | Stationary Air Compressor                                                         | 442 Nm <sup>3</sup> /hr                                                                                             | 15 bar(g)                        | Iran     |