

# OIL DYNAMICS GMBH

## REQUEST FOR QUOTATION

### Electrical Submersible Pumping System (ESP)

Downhole & Surface Equipment Design Data Sheet - Geothermal Applications

**Dear Customer,**

We highly appreciate your interest in our products. Please use this *Request for Quotation* Form to share with us the information required to design the ideal ESP system for your conditions. Please bear in mind that the quality of your data will determine the quality of our design. We insure you of treating the provided information confidentially and not sharing it without your explicit permission.

Fields marked with "\*" are essential for a precise design.

Kindly please return the filled RFQ to [info@oildynamics.de](mailto:info@oildynamics.de)

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#### Contact Information

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Company \*

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Country

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Contact Person(s) \*

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Phone/Fax \*

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E-Mail \*

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Well Location or ID/Field

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Well Name \*

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Reservoir(s)

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Date of Completion

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Planned Delivery Date \*

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# 1 DOWNHOLE EQUIPMENT

Required data for downhole equipment selection

## Currently in use Equipment

Pos.	Item	Series, Type, Description
1	Commissioned Date	
2	Pump	
3	Protector	
4	Motor	
5	Motor Lead Extension (MLE)	
6	Power Cable	
7	Current Pump Depth	
8	Current Wellhead Pressure	
9	Tubing Size and Thread Description	
10	Static Fluid Level	
11	Dynamic Fluid Level	
12	Total Production Rate	

## Well Data\*

Type	Top	Bottom	Nominal Weight	Outer Diameter	Inner Diameter
Last Casing String <i>From top to bottom</i>					
Liner <i>From top to bottom</i>					
Tubing String <i>From top to bottom</i>					

In case of a directional well please attach the survey data.

Based on your well completion please fill the right table.

## Open Hole Completion\*

Interval	Top	Bottom (TD)	Hole Size
Open Hole			

## Cased Hole Completion\*

Intervals <i>From top to bottom</i>	Top	Bottom	Casing/Liner OD
First Perforation			
Second Perforation			

## Request for Quotation

Provision of Electrical Submersible Pumps (ESP)

### **Fluid Data\***

<b>Parameters</b>	<b>Unit</b>	<b>Value</b>
Water Specific Gravity		
Water Viscosity		
Water Salinity		
Water pH		
Kill Fluid Density		
Gas Density / Specific Gravity		
Solid Content		
Solid Particles Hardness		

### **Gas Impurities\***

<b>Parameters</b>	<b>Unit</b>	<b>Value</b>
Nitrogen (N <sub>2</sub> )		
Hydrogen Sulphide (H <sub>2</sub> S)		
Carbone Dioxide		
Methane		

### **Reservoir and Production Data\***

<b>Parameters</b>	<b>Unit</b>	<b>Value</b>
Vapor Pressure		
Reservoir/Static Pressure		
Static Water Level		
Bottomhole Flowing Pressure		
Dynamic Water Level		
Flow Rate corresponding to above Pressure/Level		
Productivity Index		
Producing Gas Water Ratio		
Solution Gas Water Ratio		
Casing Pressure		
Wellhead/Tubing Pressure		
Reservoir/Bottomhole Temperature		
Water Temperature at Surface		

### **Target Data\***

<b>Parameters</b>	<b>Unit</b>	<b>Value</b>
Desired Total Flow Rate		
Desired Pump Setting Depth		
Desired Minimum Pump Intake Pressure		
Desired Wellhead Pressure		

## 2 SURFACE EQUIPMENT

*Required data for surface equipment selection*

### **Supply Power**

<b>Parameters</b>	<b>Unit</b>	<b>Value</b>
Level of Harmonic Distortion for current and voltage		
Primary Voltage *		
Frequency *		
Ambient Temperature		
Humidity		
Vibrations		
Dust Content		

### **Additional Data and Requirements**

<b>Parameters</b>	<b>Description</b>
Stepdown Transformer parameters, if available, along with number of pulses (6, 12, 18, 24)	
Ambient Condition (aggressive/conductive/neutral; offshore/onshore, etc)	
Enclosure Type Requirement (NEMA/IP)	
Surface Standalone Panel for downhole sensor	
Digital Inputs Requirement	
Digital Outputs Requirement	
Analog Inputs Requirement	
Analog Outputs Requirement	
Remote Access Requirement	
Output Filter Requirement	
Spare Parts Requirements	

## 3 ADDITIONAL DATA

*Any additional information which would help us to prepare a better design for you e.g. scale or sand problem, corrosive or erosive environment, etc. is very welcome.*

### **Additional Notes, Comments and Requirements**

*Thank you very much for filling the Request For Quotation form. We will try to back to you very soon.*