QUESTIONNAIRE

STARCH SUGAR PLANT

GENERAL DATA

Client (end user)	
Address, telephone, email	
Project code/name	
Site location	
Responsible project manager	
Form completed by (name, company)	
Date	

1. PROJECT DATA

Provisional time schedule Contract award Plant start-up	
Implementation of a new plant	☐ Yes ☐ No
Expansion of an existing plant	☐ Yes ☐ No
Budget available	☐ No, development of new business case ☐ Approval pending feasibility study ☐ Approval pending financing ☐ Financing approved

2. BASIC DATA FOR PRODUCTION

Production capacity in metric tons per year (mtpa) for each product	
Operating time in days per year in continuous process (24 hours per day, 7 days per week)	
Raw material (e. g. corn, wheat, tapioca) and state of substrate (e. g. dry starch, starch milk) Please provide chemical analysis, if available.	
Required type of starch sugar to be produced (multiple choice possible; production capacity above to be indicated for each type individually)	☐ Maltodextrin / spray-dried glucose syrup ☐ Low-DE glucose / maltose syrup ☐ HFS (high fructose syrup) -42/-55 ☐ Glucose monohydrate/anhydrate ☐ Sorbitol ☐ .....
Product quality requirements Please provide standard or specification, if available.	☐ Food grade ☐ For further use in a technical process ☐ For further use in a fermentation process ☐ Pharmaceutical grade

3. UTILITIES

Process water supply

Secured supply quantity during the whole working time of the factory, m^3/h	
Quality Please enclose the water analysis, for which the plant shall be designed or make adequate notes at the attached standard analysis.	
Temperature, °C max/min	

Cooling water supply

Secured supply quantity during the whole working time of the factory, m^3/h	
Temperature, °C max/min	

Power supply

Available voltage up to the main distributing frame in the plant, V / ± V	
Available frequency, Hz / ± Hz	
Connected load, MW	
Typical downtime due to power outages (short time, a few hours, days) and how frequently	

Steam supply

Available steam quantity, t/h	
Steam pressure, bar	
Steam temperature, ^oC	
Distance to existing steam boiler, m	

4. BUILDING SITE

Available area for erection of the plant Please adjoin map to this questionnaire. Altitude of the site above sea-level, m Seismic factor	
Climatic conditions on site Outdoor temperature, ^oC min/max Relative humidity, % min/max Wet bulb temperature, ^oC min/max	

Special conditions (floodwater, rainfall, wind velocity, snow loads)	
Storage Capacities Available/required capacities for: Raw material, mt or weeks Starch sugar product, mt or weeks	
Logistics Kind of supply to and dispatch from plant	☐ Rail ☐ Road
Buildings Please attach plans of existing buildings.	

5. SCOPE OF SUPPLIES AND SERVICES REQUESTED

License, engineering and know-how	
Integration of other process units (e.g. grain processing facilities, by-product dryers)	
Equipment (FCA, CIP)	
Supervision services (e. g. erection, start-up)	
Training	