



QUESTIONNAIRE AS A BASIS FOR A REQUIRED OFFER

# PROJECT INFORMATION FOR WWT-PLANTS

(Please deliver as much detailed information as possible)

1. PROJECT NAME (CODE WORD) .....

2. LOCATION – NAME OF TOWN .....

**3. CHARACTERISTICAL  
PROJECT CONDITIONS**

- 3.1 TYPICAL DOMESTIC YES  NO
- 3.2 DOMESTIC AND INDUSTRIAL YES  NO
- 3.3 MAINLY INDUSTRIAL YES  NO
- 3.4 ADDITIONAL INFORMATION .....  
(use separate sheet if necessary) .....

**4. HYDRAULIC LOAD**

- 4.1 TODAY (ACTUALLY) ..... m<sup>3</sup>/d
- 4.2 FINALLY (DESIGN LOAD) ..... m<sup>3</sup>/d
- 4.3 MAXIMUM (PEAK) PER HOUR ..... m<sup>3</sup>/h
- 4.4 TO BE CONSIDERED ..... m<sup>3</sup>/d..... m<sup>3</sup>/h

**5. POLLUTION LOAD**

- 5.1 AVERAGE BOD-CONCENTR. .... mg/l
- 5.2 MAXIMUM BOD-CONCENTR. .... mg/l
- 5.3 DAILY BOD-TOTAL ..... kg/d
- 5.4 AVERAGE COD-CONCENTR. .... mg/l
- 5.5 DAILY COD-TOTAL ..... kg/d
- 5.6 AVERAGE N-CONCENTR. .... mg/l
- 5.7 DAILY N-TOTAL ..... kg/d
- 5.8 AVERAGE P-CONCENTR. .... mg/l
- 5.9 DAILY P-TOTAL ..... kg/d
- 5.10 PH-RANGE  NORMAL CONDITIONS  
 ATTENTION: CHANGING COND.  
FROM PH ..... TO PH .....



5.11 SPECIAL CONDITIONS  
(use separate sheet if necessary)

NOTHING KNOWN  
 UNTYPICAL IS:

.....  
.....  
.....

**6. EFFICIENCY REQUIREMENTS**

6.1 BOD<sub>5</sub> ..... mg/l  
 6.2 COD ..... mg/l  
 6.3 SUSPENDED SOLIDS (SS) ..... mg/l  
 6.4 NITROGENES ..... mg/l  
 6.5 PHOSPORUS ..... mg/l  
 6.4 OTHERS .....  
 (use separate sheet if necessary)  NOTHING KNOWN  
 FOLLOW. TO BE CONSIDERED

.....  
.....

**7. DISINFECTION OF THE EFFLUENT**

7.1 OBLIGATION YES  NO   
 7.2 BY USE OF WHAT METHOD .....  
 7.3 EFFLUENT QUALITY .....

**8. DISCHARGE OF EFFLUENT**

8.1 DISCHARGE DESTINATION  RIVER  LAKE  SEA  
 8.2 EQUALIZATION REQUIRED YES  NO   
 8.3 MAX. ACCEPTED HYDR. LOAD ..... m<sup>3</sup>/h  
 8.4 SPECIAL CONDITIONS  NO  SEE ATTACHMENT

**9. INCOMING PIPE**

9.1 FREE FLOW YES  NO   
 9.2 DEPTH\*<sup>1</sup> OF FREE FLOW PIPE ..... m \*<sup>1</sup> under ground level  
 9.3 PRESSURE PIPE YES  NO   
 9.4 PIPE-DIAMETER DN ...../.....INCHES  
 9.5 PEAK FLOW ..... m<sup>3</sup>/h ..... l/s

**10. PRETREATMENT REQUIREMENTS (ACC. TO TENDER CONDITIONS)**

10.1 SCREEN YES  NO

- 10.2 SAND TRAP YES  NO
- 10.3 FAT TRAP YES  NO
- 10.4 DISCHARGE QUALITY OF PRETRATMENT
- SCREENINGS: ..... % DRY MATTER
- SAND: ..... % DRY MATTER
- FAT CONSISTENCY:
- .....
- .....

### 11. SLUDGE TREATMENT

- 11.1 STORAGE REQUIRED YES  NO
- 11.2 STORAGE VOLUME/PERIOD ..... m<sup>3</sup> ..... days
- 11.3 DRYING BEDS YES  .....m<sup>2</sup>
- 11.4 SLUDGE DEWATERING
- a) Filter press YES  NO
- b) Centrifuge YES  NO
- c) Other Systems .....  
.....
- d) Required Dry Matter  .....%  
 UNKNOWN
- e) Destination of treated sludge:  UNKNOWN  
 .....

### 12. FAVOURABLE PLANT DESIGN

- 12.1 CIRCULAR TANKS YES  NO
- 12.2 SQUARE TANKS YES  NO
- 12.3 MAX. SPACE AVAILABLE LENGTH ..... m  
WIDTH ..... m
- 12.4 DISTANCE TO LIVING AREA ..... m
- 12.5 OTHER INSTRUCTIONS  NO SPECIAL REQUIREMENTS  
 .....

### 13. OPERATION BUILDING

- 13.1 REQUIRED ROOMS
- a) Office YES  NO
- b) Control Room YES  NO
- c) Laboratory YES  NO
- d) Staff Room YES  NO
- e) Kitchen YES  NO
- f) Bath Room YES  NO



- g) Toilets YES  NO
- h) Stock Room YES  NO
- i) Chlorination Room YES  NO
- j) Generator Room YES  NO
- k) Transformer Room YES  NO
- l) Workshop YES  NO
- m) .....
- n) .....

**14. LOCAL CONDITIONS**

- 14.1 MIN. OUTDOOR TEMP. (WINTER) ..... °C
- 14.2 SIZE OF AVAILABLE LAND ..... m x ..... m
- 14.3 DEPTH OF GROUND-WATER ..... m
- 14.4 DEPTH OF FOOTING  
DEPTH UNDER GROUND LEVEL ..... m
- 14.5 ALLOWED MAX. HEIGHT OF BUILDINGS .....
- 14.6 CURRENT SUPPLY (VOLT – 3 PHASES) ..... V  
..... cycles

**15. OTHER REQUIREMENTS (PLEASE ADD ALL AVAILABLE INFORMATION)**

.....  
 .....  
 .....  
 .....

**16. ELECTRICAL CURRENT SUPPLY** ..... Volts (3 phases)  
 ..... cycles

**17. ORDER EXPECTED (Date)** latest .....

**18. EXPIRE DATE (Start Up)** latest .....

**19. ADDITIONAL INFORMATION (PLEASE TRANSMIT ALL RELEVANT PROJECT INFORMATION WHICH WAS NOT ASKED WITH THIS QUESTIONNAIRE)**

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 .....

.....  
 (Place) (Date) (Name) (Signature)

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