Annexure – I

Name of Technology:

Name of Company:

Name and Designation of Contact Person:

Corresponding Address with Telephone Number and E-mail id:

Website Address

Products/Services handled

Annual Turnover of last three years (enclose audited balance sheets)
[Concessions as applicable to start-ups and MSME would be available in deserving cases]

Details of Income Tax registration, sales tax registration, service tax registration etc.

PAN number

Available Technical Manpower

Briefly state why you are interested in the technology

Annexure – II

Description of Technology/s

1. **Ceramic membrane based Technology (Including process for media preparation) for Arsenic & Iron Removal from groundwater:**

   Description: The technology for arsenic and iron removal based on ceramic membrane modules (including P & ID and operational protocol) developed by CSIR-CGCRI for production of drinking water from contaminated ground water essentially comprises of two steps:

   a) Adsorption of arsenic by the colloidal media particles suspended in water and

   b) Application of membrane based separation technique for solid-liquid separation using ceramic micro-filtration membrane modules.

   c) Achievable purification level is less than 0.3 ppm for Iron and 10 ppb for Arsenic

   d) Filtration output rate is dependent upon solid concentration in the water

   e) Purification is only applicable to iron and arsenic and other minerals are retained in the filtered water.

   f) Useful for small community level plants upto a capacity of 20000 LPD(Maximum 12 Hrs. operation a day)

2. **Ceramic membrane based high capacity modules for: (A) pretreatment of turbid water for polishing of iron & arsenic contaminated water using micro filtration technique and (B) pretreatment of river water for turbidity and suspended particulate removal**

   Description of (A): The technology for polishing of arsenic and iron from groundwater (including P & ID and operational protocol) is based on ceramic membrane modules developed by CSIR-CGCRI essentially comprises of two steps:

   a) Adsorption of arsenic by the colloidal media particles suspended in water and

b) Application of membrane based separation technique for solid-liquid separation using ceramic micro-filtration membrane modules.

c) Achievable purification level is less than 0.3 ppm for Iron and 10 ppb for Arsenic

d) Filtration output rate is dependent upon solid concentration in the water

e) Purification is only applicable to iron and arsenic and other minerals are retained in the filtered water.

f) Useful for medium size iron and arsenic removal plant upto a capacity of 120 m^3/day (12 Hrs. operation a day)

Description of (B):

a) Application of membrane based separation technique for solid-liquid separation using ceramic micro-filtration membrane modules (including P & ID and operational protocol).
b) Useful for medium size iron and arsenic removal plant upto a capacity of 120 m^3/day (12 Hrs. operation a day)

c) Useful as pretreatment unit prior to direct reverse osmosis of river water

3. Ceramic membrane based technology for removal of suspended particulates from tannery wastewater.

Description:

a) Application of membrane based separation technique for solid-liquid separation using ceramic micro-filtration membrane modules (including P & ID and operational protocol).

b) Useful for removal of suspended solids, turbidity, BOD, COD etc.

c) Useful as pretreatment unit of 20000 LPD capacity (12 Hrs. operation a day) prior to direct reverse osmosis in tannery industry