

## TECHNOLOGY OFFERS

### CHINA

#### Conversion of batch-poly plant to C.P. plant

A Chinese firm is willing to offer technology to convert batch poly plant to continuous polycondensation (C.P.) plant. It is possible to modify Batch-poly plants to C.P. plants for the purpose of establishing polyester plants, polyester chips or direct spinning processes.

The firm claims that they have successfully performed many such projects of converting Batch poly plants to C.P. plants. The technology could be offered as a turnkey project for interested clients.

##### **Areas of application**

Textile industry; and  
Polymer industry.

##### **Environmental aspects**

Energy efficiency; and  
Systems integration.

##### **Development status**

Fully commercialized

##### **Legal protection**

Trade mark

##### **Technical specifications**

Special design

##### **Transfer terms**

Turnkey

Contact:

*Polytex Chemical Engg. co.*

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*China*

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### INDIA

#### Technology for using rDNA construct and the expressed chimeric protein as a vaccine against brucellosis

An Indian organization is interested in offering technology for using rDNA construct and the expressed chimeric protein as a vaccine against brucellosis.

This technology involves the use of a multigenic construct encompassing 3 different immunodominant antigens (viz., Cu-Zn Superoxide dismutase (SOD), P39 antigen and L7/L12 ribosomal protein) of *Brucella abortus* as a vaccine candidate against Brucellosis.

The multigenic construct has been expressed in the *E.coli* system to produce the chimeric antigen. Vaccination in experimental animal models (BALB/c mice) was performed using the multigenic construct (DNA Vaccine), followed by administering the chimeric antigen and also through the *E.coli* cells harbouring the expressed chimeric antigen.

Both groups of vaccines were found to elicit a high level of protection to immunized mice against virulent challenge by the *Brucella abortus* 544 strain and were also found to be safe when studied in pregnant guinea pigs.

##### **Area of application**

Veterinary vaccine: The technology relates to a novel vaccine candidate against Brucellosis, which is a major zoonotic disease widely distributed in both animals and humans, especially in developing countries.

##### **Advantages**

The recombinant vaccine overcomes the potential limitations of the live attenuated vaccines (S19 & RB 51) in terms of safety and interference in sero-diagnosis of clinical infection.

##### **Development status**

Laboratory model

##### **Legal protection**

Patent

##### **Technical specifications**

The technology has been developed at laboratory scale, in which approximately 15-20 mg of purified chimeric antigen per litre of culture could be obtained.

##### **Transfer terms**

Consultancy; and  
Technology licensing.

## Contact:

Biotech Consortium India Limited  
 Anuvrat Bhawan  
 5th Floor 210  
 Deen Dayal Upadhyaya Marg  
 New Delhi 110002  
 India  
 Tel: (+91-11) 2321 9064-67  
 Fax: (+91-11) 2321 9063  
 E-mail: info.bcil@nic.in

## INDIA

## Turnkey consultancy on food, soft drinks and mineral water plants

An Indian company is interested in offering turnkey consultancy for setting up mineral water and soft drink plants and also plants to manufacture a variety of foods.

**Areas of application**

Food and Beverages sector

**Environmental aspects**

Cleaner production

**Development status**

Commercial prototype

**Legal protection**

Trade mark; and  
 Patent.

**Transfer terms**

Consultancy; and  
 Turnkey.

## Contact:

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 Ramchandra Nagar-3  
 Wagle state  
 Thane (w) 400604  
 Mumbai 400604, India  
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## REPUBLIC OF KOREA

## Scalable processor core RTL and development platform

A Republic of Korean public sector organization is interested in offering technology for embedded scalable processor core RTL and development platform.

As a digital signal processing processor core embedded in SoC, this technology converts and realizes into commands the audio or video algorithm described as C, and can realize numerous processor cores to enable scalability according to the level of performance required, and when the technology is applied, we supply the development environment to FPGA and SoC, including RTL code, compiler, assembler and linker.

This technology supplies a development environment including RTL, compiler, assembler and linker of embedded processor core, and the core part of processor core that is equal in level to a design provided by a prominent company that develops embedded processors. In particular, this technology has taken an original architecture in the form of memory common type- multiplex core that is scalable according to the degree of performance required by SoC.

**Areas of application**

Semi-conductor industries; and  
 Multi-media industries.

**Advantages**

By supplying a design for a common memory and memory module that can be scalable into numerous processor cores according to the level of performance required by SoC, the extent of performance improvement relative to increment of facet is superior.

In addition, because the core design is supplied with RTL, its utility is excellent.

**Transfer terms**

Technical services;  
 Technology licensing,  
 Technology transfer; and  
 Others.

## Contact:

Institute of Information technology Advancement (IITA)  
 Ministry of Information and Commerce  
 58-4 Hwaam-dong, Yuseong-gu  
 Daejeon City 305-348, Republic of Korea  
 Tel: (+82-42) 710 1728;  
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 E-mail: hyemink@iita.re.kr

## REPUBLIC OF KOREA

### Low-power H.264 decoder for mobile applications

A Republic of Korean public sector organization is interested in offering technology for Low-power H.264 decoder for mobile applications with the components: Digital design IP: RTL (Verilog).

#### Areas of application

Terrestrial/Satellite;  
DMB terminal; or  
Chipset development.

#### Transfer terms

Technical services;  
Technology licensing;  
Technology Transfer; and  
Others.

Contact:

Ministry of Information and Communication  
58-4 Hwaam-dong  
Yuseong-gu  
Daejeon City 305-348, Republic of Korea  
Tel: (+82-42) 710 1728  
Fax: (+82-42) 710 1729;  
E-mail: [hyemink@iita.re.kr](mailto:hyemink@iita.re.kr)

## U.S.A.

### Antibody separation

An American company is willing to offer novel protein separation technology using Orbicell microparticles without columns. There is a great demand for protein purification technologies that offer high yield of purified protein at low cost.

#### Areas of application

Protein separation; and Purification.

#### Advantages

Low cost; Disposable; High yield; and Good purity.

#### Environmental aspects

Cleaner production

#### Development status

Pilot plant; Commercial prototype

#### Legal protection

Patent

#### Transfer terms

Subcontracting; Joint venture; Research partnerships.

Contact:

Orbicell Biopurification Technologies  
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### Technology Export Development Organization

Technology Export Development Organization (TEDO) is a joint initiative of the Confederation of Indian Industry (CII) and the Department of Scientific and Industrial Research (DSIR). The main objective of TEDO is to promote Indian technologies (Technical know-how/ Technology intensive products, services and projects). TEDO promotes exports of technical know-how; technology-intensive products/services/processes; and technology intensive projects.

TEDO also provides advisory services to the producers of technology SMEs in the identified sectors, and others who need business guidance in beginning their export practices. TEDO also supports towards capacity building for SMEs to become a starting point for them to find and develop international markets.

TEDO provides a range of services in the areas of capability building, handholding, support and advisory services to enhance and sustain the export competitiveness of the Indian SMEs. The various services offered by TEDO are: Training programmes; Company assessment for readiness for exports (CARE); Market and export information services; Advisory services; and Promotional services.

For more information, contact:

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