Name of the Technology: Commercial Process for the Recovery of High Purity Gold and Silver Process Waste

- Recovery of silver and gold (>99.5%) from process waste
- Preparation of high purity (≥99.95%) silver and gold
- Economical and eco-friendly recovery process
- No requirement of costly equipment for recovery

Figure showing recovery of high purity silver, gold and nanoparticles dispersed in water

Summary: Gold and silver are precious metals. The recovery of gold and silver is a challenging task. There are several metals which may be present in gold and silver. The recovery of gold and silver in presence of such metals is very tough and may leach out during purification process. We have developed process for the recovery of high purity of gold and silver. Besides this nanoparticles of these metals can be prepared in water/solvent medium for desired applications

Applications: recovery from process waste and nanoparticles preparation
Advantages: Low cost, highly effective, environment friendly process

Choose the Readiness level of the Technology:

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Related Patents: Know-how

Country: Not applicable
Publication Date: Knowhow
Grant Date: Nil
Year of Introduction: 2010
Broad Area/Category: Industrial process
User Industries: Metal recovery industries

For further details please contact:
Head, Industrial Liaison Group (ILG)
Room No. 46-A, Main Building
CSIR-National Physical Laboratory
Dr. K.S. Krishnan Marg
New Delhi 110012, INDIA.
Email: headilg@nplindia.org
Tel: +91-11-4560-8350/8247/9385
Fax: +91-11-4560-9310