

**URANIUM CORPORATION OF INDIA LTD.**  
(A Government of India Enterprises)  
Tummalapalle Uranium Project  
(P.O.) M. C. Pale, Vemula (M), YSR District, Andhra Pradesh – 516 349

Annexure-1  
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Public Tender No. : **TMPL/PUR /216/254**  
Item: Perlite base filter aid

**M A T E R I A L   D E T A I L S**

<b>Sl. No.</b>	<b>Description of Material</b>	<b>Quantity (in MT)</b>
1	<p>The Perlite based filter aid powder (precoat material) is required for forming a precoat layer of about 2<sup>1/8</sup> on a rotary vacuum precoat filter provided with a woven polypropylene filter media operating under a line vacuum of about 200-300 ppm of slimes at 10-11 pH to obtain a clarified solution containing 1.0-2.0 ppm of smiles. The material shall be suitable to give an average clarification rate of 40M<sup>3</sup>/hr through a 3.65M dia X 4.87M length size precoat filter operating with 45-55% submergence of drum with initial precoat thickness of 2<sup>1/8</sup> and final precoat thickness of 1/4" the material shall be totally inert to acidic and alkaline liquor.</p> <p>Temperature of liquor            40<sup>0</sup>C- 45<sup>0</sup>C</p> <p>Specific gravity of liquor        1.08 to 1.12 approx</p> <p>Viscosity of liquor                like water</p>	150