(ii) System of Accounting and Control Capable of Providing Accurate and Timely Data

The Government of the Republic of India and the operator of the Facility shall maintain at the Facility, a comprehensive and accurate nuclear material accountancy and control system that conforms to standards of the Agency in accordance with the provisions of the Agreement between the Government of India and the International Atomic Energy Agency for the Application of Safeguards to Civilian Nuclear Facilities, done on February 2, 2009 as supplemented by and as applicable the Protocol Additional to the said Agreement, done on May 15, 2009, so that accurate and timely declarations can be made to the Agency. A system of inventory records and reports shall be maintained for each material balance area. An effective system for measurement control shall be utilised.

(iii) In-Process Material Measurement

The Government of the Republic of India and the operator of the Facility shall cooperate with the Agency to enable the Agency to provide at the Facility measurement capabilities that the Agency considers as necessary to cover all major in-process nuclear material inventories during operation of the Facility.

(iv) Process Monitoring Data

If desired by the Agency, the Government of the Republic of India and the operator of the Facility shall provide to the Agency access to safeguards relevant operator data, such as authenticated process control data in accordance with the provisions of the Agreement between the Government of India and the International Atomic Energy Agency for the Application of Safeguards to Civilian Nuclear Facilities, done on February 2, 2009 as supplemented by and as applicable the Protocol Additional to the said Agreement, done on May 15, 2009.

(v) On-site Laboratory

The Facility design shall incorporate an on-site laboratory, if the Agency so requests, to perform analysis of process samples including destructive analysis required by the safeguards approach of the Agency at the Facility. The Agency shall be permitted to set up and operate that laboratory.

(vi) Containment and Surveillance Systems

The Facility design shall take into account the use of containment and surveillance systems in accordance with the practices and procedures of the Agency, as required for the effective implementation of safeguards, and the Agency shall be permitted to maintain such systems at the Facility.

(c) Safeguards Implementation

(i) Verification of Accountancy Records

The Agency shall be permitted to carry out regular verification of nuclear material accountancy records and reports.

(ii) Remote Data Transmissions

The Agency, if it considers it efficient for the purpose of safeguards implementation, may use remote transmission, in accordance with the provisions of the Protocol Additional to the Agreement between the Government of India and the International Atomic Energy Agency for the Application of Safeguards to Civilian Nuclear Facilities, done on May 15, 2009 of authenticated data to enable more frequent data analysis.