**Factory Acceptance Test (FAT)**

Supplier shall notify Purchaser in writing of readiness for Factory Acceptance Test (when applicable) of the configured Goods by Plant areas or by subsystems. Such notification shall be given in due time to enable Purchaser to make all necessary arrangements. The Factory Acceptance Test will be attended by the Purchaser’s Representative(s) at the date mutually agreed.

Supplier shall prepare for Purchaser’s signature the Certificate of Factory Acceptance Test after the Test, confirming that the Factory Acceptance Test has been completed and accepted.

**Erection Commencement Day**

Supplier shall start the erection of the Plant not later than the date stipulated in the §5 of Contract. Purchaser is responsible for preparing the applicable civil structures to an extent which allows the erection to be commenced.

Supplier shall prepare for Purchaser’s signature the Certificate of Start of Erection, confirming that the Goods have been received on Site, that Supplier is ready to start erection of the Plant in accordance with the Contract and that the requirements for start of erection have been fulfilled. Supplier shall demonstrate generous flexibility in determining Site readiness for own installation purposes.

**Erection Completion Day**

After erection has been completed at the Purchaser's mill, the Supplier shall notify that the Plant or part of it is ready for erection inspection.

The inspection shall take place within [5] days of the notification in the presence of both parties. In their respective fields of responsibility the Purchaser and the Supplier shall see to that the conditions during the inspection are good enough for carrying out the inspection safely and without causing undue disturbance of other erection.

The purpose of the erection inspection is to confirm that the Plant fulfils the specifications of the Contract and that the erection work of the Plant has been properly done. It shall also be checked that the Plant and the site has been properly cleaned.

If it is found in the inspection that the Plant or part of it complies with the Contract specifications, it shall be proclaimed ready for commissioning. Certificate of End of Erection means minutes prepared by Supplier and signed by Purchaser confirming that erection is completed and the required documentation has been received by Purchaser, all in accordance with Contract. Such possible detected faults and defects which could prevent commissioning and such minor faults and defects, which do not prevent the commissioning, but which the Supplier shall rectify without delay, shall be recorded in the minutes. Comments on Goods which do not fulfil the specifications shall also be recorded in the minutes. The erection inspection shall be renewed until the Plant can be considered ready for commissioning.

**Site Acceptance Test (SAT)**

Supplier shall notify Purchaser in writing of readiness for Site Acceptance Test (when applicable) of the Goods by Plant areas or by subsystems. The Site Acceptance Test will be attended by the Purchaser’s Representative(s) at the date mutually agreed.

Supplier shall prepare for Purchaser’s signature the Certificate of Site Acceptance Test after the Test, confirming that the Site Acceptance Test has been completed and accepted.

**Commissioning**

After the erection inspection the Purchaser shall complete the installations which are at his responsibility. After that the Purchaser and the Supplier shall together carry out the check-out and thorough cleaning, cold testing, mechanical, electrical and instrument tests as well as water runs of the Plant or part of it. If defects are detected in commissioning, they shall be repaired and the commissioning shall be renewed.

Certificate of Completion means minutes prepared by Supplier and signed by Purchaser confirming that commissioning is completed and that the Plant is ready for start-up.

**Start-up**

After commissioning of the Plant has been performed and the site properly cleaned, the start-up of the Plant shall be commenced as [three-shift work] at a time set by the Purchaser. The start-up shall be carried out with the Purchaser's personnel but at the Supplier's responsibility and under the Supplier's supervision. During the start-up the mechanical functioning of the Plant shall be checked and the tightness and trouble free and vibration free running of the Plant shall be confirmed with proper measuring devices. In connection with the start-up all the adjustments, controls and alarm devices related to the Plant shall be tuned.

The Start-up shall be considered to be accepted when the Plant has been in uninterrupted operation for [96] hours at the production level defined by the Purchaser. Minutes shall be prepared by Supplier and signed by Purchaser confirming that the start-up is completed and that the Plant is ready for test run.

**Test Run**

After the start-up has been accepted the test run (uninterrupted [three-shift work]) shall be started at the responsibility of the Supplier and under his supervision. During this period the Plant shall be run, to confirm its faultless operation, in continuous use until the requirements for taking-over performance characteristics according to the Contract have been fulfilled.

The test run period is [4] weeks. The first [2] weeks is a period during which time the Supplier shall have the right to interrupt the test run by joint agreement with the Purchaser. A break in the test run attributable to the Supplier shall extend the test run period with the time lost due to the break.

The rest of the test run period [2 weeks] is an uninterrupted test run, during which time breaks attributable to the Supplier are not allowed. If such a break occurs the [2] weeks’ uninterrupted test run period shall be started from the beginning.

The Purchaser shall provide a sufficient number of operating personnel for the test run period. The Purchaser shall ensure that enough electricity, water, raw materials, etc. are available and that the conditions are good enough for carrying out the test run.

**Taking-over Day**

After the test run has been accepted, a taking-over inspection of the delivery shall be performed. Certificate of Take-over means minutes prepared by Supplier and signed by Purchaser confirming that the requirements stipulated for taking-over have been met and containing a list of possible faults and defects still detected in the Plant and confirming that the Plant has been taken over in accordance with the Contract. Faults and defects that are not decisive for the normal continuous operation of the Plant shall not prevent the signing of the inspection minutes and the approval of the test run provided that the Supplier agrees to rectify the faults and defects listed in the minutes as soon as possible or within an agreed time.

At 24.00 on the date of signing of the Certificate of Take-over and in accordance with K5 of the General Contract Conditions the Plant shall become the Purchaser's property and responsibility and the Plant shall then be considered handed over for continuous operation.

After the taking-over of the Plant for continuous operation, the Supplier's start-up personnel shall act free of charge supervising the Plant and training the Purchaser's personnel for a period of [XX] weeks as follows:

* [2] engineers day shift [8] hours/day, [5] days/week and there after on call within [1] hour at the Site including weekends.

Should the Supplier, for a reason attributable only to the Purchaser, be prevented from carrying out the test run as stated in the Contract, the commissioning, start-Up and test run shall be arranged as specified above as soon as the reason preventing the completion has been removed.

**Inspection and Acceptance of the Plant**

**Inspection** Inspection means both the final inspection of the Plant and the performance test. Should Inspection be required it will be arranged by the Purchaser and Supplier within a period of [12] months from the Taking-over Date in the presence of the Purchaser's and Supplier's representatives and carried out by an Inspector mutually nominated by the Parties.

The purpose of the inspection shall be to verify whether the Plant meets the operating and performance guarantees specified in the Contract and whether it otherwise fulfils the conditions set out in the Contract and its Appendices.

The performance test run period is [XX] hours in minimum. Before the start of the performance test run period the Plant shall be in an uninterrupted operation at least [X] hours with the guaranteed performances.

Guaranteed performance parameters will be measured according to the procedures specified in the Contract according to accepted procedures and standards used and practised in [Finland].

The Inspection report shall be issued not later than [2] weeks after completion of inspection.

When the Plant meets the performance guarantees specified in the Contract and otherwise fulfils the conditions set out in the Contract and its Appendices, approval of inspection report shall be issued by the Purchaser not later than [6] weeks after completion of inspection.

**Renewed Inspection**

When the final Inspection of the Plant does not give acceptable results and if remarks made against the Plant are substantial, a renewed inspection will be necessary in accordance with Appendix 1, clause M.

**Acceptance of the Plant**

The Plant shall only be considered accepted when the inspection as stated above has been carried out. Certificate of Acceptance means an inspection report prepared by Supplier and signed by Purchaser confirming that the stipulated performance guarantee figures have been met and that the Plant performs in accordance with the Contract.

**End of Mechanical Guarantee**

Certificate of End of Mechanical Guarantee means Certificate of End of Mechanical Guarantee Period prepared by Supplier and signed by Purchaser confirming the end of the period of the mechanical guarantee, in accordance with the Contract.