3. Typical shift performance report.
4. Detailed step by step procedure describing how work will be carried out in particular how the different aspects of pipe jacking are monitored, such as angular deflection, jacking pressures, face pressures, packers etc. and then managed so that the interjacks are installed as required, deflection controlled and jacking pressures minimized.
5. The Contractor shall submit independently authenticated test results to demonstrate that the joint packing complies with the specification. Include a graph of the stress/strain relationship over the range of conditions which will be encountered during the Works.
6. Method of excavation and removal.
7. Methodology for correcting line and level.
8. Support of existing services and adjacent structures.
9. Safety arrangements for compliance with safety requirements.
10. Arrangements for dealing with ground water, taking due regard to controlling the loss of material and preventing settlement around pits/shafts, pipe/pit interfaces and tunnel face.
11. Dealing with different ground conditions.
12. Locking pipe in position during insertion of the next pipe.
13. Sealing working shafts and reception pits during exiting and entering of pipe.
14. Control of over break.
15. Grouting of cavities where applicable.
16. Grout mix design and method of grouting.
17. Details describing the measures to be taken to avoid the development and transfer of grout shrinkage or expansion stresses to the pipe and to avoid any adverse chemical reaction between the pipe and the concrete, grout or other materials comprising the pipeline.
18. Handling and fixing of the inner line pipe in the case of tunnelling