roller assembly and stands)

- d) Alignment of the machine with the pipeline and string
- e) Ability of the clamp to hold pipe square to each other
- f) Alignment of the trimmer to be square to the pipe
- g) Ability of the pipes to be squared for welding
- h) Heating cycle times, temperature profiles, cooling times, clamping pressures, bead sizes, shapes and dimensions, docking times
- Tolerances for dimensional matching of cut, trimmed and prepared ends of pipes before fusion
- j) Heating plate cleaning schedules and check list
- k) Pre and post welding task list to include at least the following geometric alignment, surface cleanliness, limits of atmospheric conditions, temperature settings, testing of welds
- 4. Provide schedules with frequency for disposable dummy welds at startup and during butt welding.
- 5. Maintain records of rejected materials, failures in welded joints and of breakdowns and defects. Record action taken.
- 6. Provide plan for welding inside trenches and where make-up pieces are required in the vicinity of valve chambers manholes, thrust blocks and joining of placed stringers to ends of other pipelines.
- 7. Machines, roller, feed assembly and other associated equipment shall be securely fixed. There shall be no movement, slippage or settlement of the machinery during the fusion process.
- 8. Provide details for enlarging trenches and positioning machinery where applicable.
- 9. Machine must be equipped with automatic controls, fully or partially computer controlled and fitted with data printout facility and have a facility for storing data for retrieval at a future date.
- 10. Ensure that trimmed and cleaned ends are free of dust, ridges swarf and misalignment. Provide details of cleaning fluid to be used for cleaning surface of showed ends.
- 11. When pressed into contact, fusion planes shall not exceed the following