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SOMPOL RATTANABHIBAL : PROJECT MANAGEMENT FOR SETTING UP
A PYROTECHNIC PRODUCT FACTORY. THESIS ADVISOR : ASST. PROF. SUTHAS
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Pyrotechnic is the technic concerning the explosion of materials. Once ignited; heat, light, colour, noise, smoke and movement generated simultaneously. This can be employed in military as well as amusing activities. Such pyrotechnic products are signals, bullets, explosive materials and fireworks. Most of them are imported.

The propose of this thesis is to plan to establish pyrotechnic factory. We find that the yearly demand for military and civilian products purposes are 144,000 units and 146,000 units respectively. The initial executive organization comprises a project director, a financial division, a purchase division and an engineering division. The investment cost is 296,400,000 baht.

The results of the project management study, by employing Gantt method from which the details of the project as well as time frame are elaborated and estimated, indicate that:

Job planning, which are co-operative work and construction as well as machine installation work, totals 27 job.

Man planning at initial stage requires 16 men, and monthly cost is 242,200 baht;

Time planning for co-operative work requires 60 official days whereas construction and machine installation requires 1050 official days.

Budget planning for each job comprises management expense of 8,961,400 baht, other expense of 1,308,600 baht, and asset value of 286,130,000 baht. Total Budget is 296,400,000 baht.