

Chapter 1 : Bharat Heavy Electricals - Wikipedia

48 BHEL to set up MW thermal power project in Bihar Source: Dion Global05/02/ Type: Corporate State-run Bharat Heavy Electricals Ltd (BHEL) today announced that it has secured a contract worth Rs 2, crore from Nabinagar Power Generation Company Ltd for setting up a 1, MW thermal power project in Bihar.

However a strict budgetary control and allocation to specific work order control on high value items is exercised by Inventory control department organized separately under Material Management, Purchase department attached to manufacturing department determines where? Determination of indirect material when? Again a strict budgetary control and control on high value items for their allocation is exercised by Inventory control group. All the records for raw material are maintained PSL price store ledger section of Finance Department. These records are maintained online. Again some on-Line checks are proposed to be introduced at raising of Store Issue voucher stage itself, for high value items so that induction is controlled strictly as per requirement of production schedule based on lead time for manufacture to keep WIP inventory under control. All the records relating to WIP and Finished Goods are maintained in the cost section of finance department manually. Records of Inventory are maintained on a main frame computer centrally arranged having shared access from all functions for their specific use. Mostly information recorded in B. These records are maintained in an online system on main frame computer user departments have shared access for posting and retrieval of information. There is a system for reserving specific items as customer specific which is done by tagging on the item. Posting of withdrawals or issue from inventory is done on specific authorization by a document called Store Issue voucher. Because of this as well as sizeable imported raw materials and compulsory bulk purchase of items like steel and copper in line with availability from SAIL and MMTC, the company has to carry high level of inventories. BHEL took the following steps to control its inventory: To achieve this, the firm should determine the optimum level of inventory. Efficiently controlled inventories make the firm flexible. This increases the level of investment and makes the firm unprofitable. Inventory can be controlled in two ways 1. WHEN should it be ordered? This system is adopted by large firms to put check to discrepancies and errors made in stores. As maintenance of these items in the inventory results in additional expenditure by way of inventory carrying cost, these items are to be reviewed periodically, declared as surplus and disposed off to the best advantage of the company. The representatives of stores department and of PSL section sit together to fix up the reserve price for disposal. These reserve prices are kept confidential between manager stores and the executive incharge of PSL. It is regarded as its major function being basic requirement for production. In almost all the manufacturing divisions, this ledger is maintained on the computer or a data processing machine. Where the priced stored ledger is maintained manually the register will be maintained. The stores Receipts Vouchers will be priced by the stores account section Stores review or stores bill group with reference to the purchase order and the bills passed for payments. In respect of other receipts and issue documents, the valuation will be done by PSL section in consultation with the other account sections and departments concerned wherever required. The valuation of issues is generally done on the basis of monthly weighted average price. For this purpose the issue price will be arrived at by adding the opening balance of the month and all the receipts separately in value and quantity and dividing the value by the quantity so arrived at, as illustrated below: At the end of every month the ledger will be closed and the closing balances will be struck. The Priced Stores Ledger will be maintained material code-wise and a consolidated summary of all the materials held in stock class-wise and material codewise will be presented, for obtaining the class-wise summary and the grand total of all class-wise summaries agreed with the general ledger. The initial space received with equipments are usually capitalized though these may not be required for immediate use and may be kept in the custody of 8 stores. Processing and Receipt Documents: All the receipt documents are checked for validation of material code, unit of measurement and location with reference to material master on the computer. The responsibility for correcting error in this respect rests with Stores department. In this respect two further error statements are generated. Processing of Issue Vouchers on Computer: Just like receipt vouchers, issue vouchers are also validated with reference to material master regarding material code,

unit and location. They are also validated with reference to the stock available in the stock master and if there is no stock to accommodate, they are rejected by the computer. As in the case of receipts, the responsibility for error location rests with the Stores department. After correction, the validated vouchers are further processed in computer. The issue rate is arrived at based on a system of monthly weighted averages after taking into account all the receipts during the month. Thus the issue vouchers are priced on weighted average only after all receipts have been accounted for in particular month. Processing of Transfer and Other Documents on Computer: The transfer and other documents specified above are priced in the PSL section and fed into the computer. A tabulation for all such documents processed on the computer is obtained at the end of every month. Accounting of Material in PSL: After reconciliation is made, the closing balance value in each of the stock heads is cleared and taken to closing stock accounts in the Financial Ledger, The journal entry is effected in Cost Accounts section. At the time of accounts, the values of durable tools in stock is brought to account as stock. The tools are classified as consumable tools and durable tools. The criteria for treating a tool as a durable tool are as follows: The codification of tools may include identification tools for consumable and durable tools. Based on the departmental number-wise tabulations, the following JV will be proposed in the Cost ledger. This list is compared with the list of durable tools kept by each department. The value of the durable tools is brought to Financial Ledger by means of the following JV: The concerned departments are debited in the Cost Ledger.

Chapter 2 : Bhel project report download

A PROJECT REPORT ON WORKING CAPITAL MANAGEMENT IN BHEL (HERP), VARANASI. A report submitted to Delhi Business School, New Delhi As a part fulfillment of M.B.A.+ P.G.P. Graduate program (Industry Integrated) in entrepreneurship and business.

I express my gratitude to DR. I am very thankful to Mr. I also extend my heartfelt gratitude and thanks to Mr. I would also like to thanks my Mentor Ms. As a matter of fact every management students, has to undergo practical training in an approved business or organization, under the guidance of professional managers, as to become aware of the real life, business situation and the environment. During the course of training, the trainees are expected to use and apply there academic knowledge and again valuable insight into corporate cultures with all its environment operational complexity the said training offers, a valuable of the trainings to meet their academic knowledge with the real world situation. During the training period as a project trainee, I visited various departments of the organization and did empirical analysis of their inter-relationship. After the analytical study reticulated sections of the organization emphasized towards affair concerning HR. During the course of training, the trainees are expected to use and apply there academic knowledge of and again valuable insight into corporate cultures with all its environment operational complexity the said training offers, a valuable of the trainings to meet their academic knowledge with the real world situation. In this report I have put my best efforts to compile the data, to the highest level of accuracy. As the lead publication in the series, this report presents a preliminary model for the prediction of one of the most important aspects of training effectiveness--transfer of training. In developing the preliminary model, every attempt has been made to examine and, if possible, to build upon previous efforts. Toward this end, several different kinds of literature potentially bearing on the prediction of device effectiveness have been exhaustively reviewed, reduced, and analyzed. Previous methods and models dealing with the design or evaluation of training programs were examined. General theories of transfer were studied as were the specific constructs believed to mediate transfer. Finally, a host of substantive issues were examined, particularly in terms of empirical data on specific variables and their impact on transfer. The report describes and discusses this information and, when appropriate, indicates its incorporation into the model. In the following four sections of the report the results of the literature survey are described together with implications for a preliminary model for use in predicting training effectiveness. BHEL is the largest engineering and manufacturing enterprise of its kind in India. The Company has 14 manufacturing units, 4 power sector regions, 8 service centers and regional offices, besides Project sites spread all over India and abroad. Human resource at all levels need frequent refresher training. In word of Michael J. The relative amount of equipment and material required to produce a unit of output is decreased. Executive effort will trend to shift from the disagreeable need of the correcting mistakes to the more pleasant tasks of planning work and of encouraging expert employees. The increases in productivity should find reflection in increased returns to both employer and employees. Employees training are distinct from Management Development. Training is short term process utilizing a systematic and organized Procedure by which non-managerial personnel learn technical knowledge and skills for a definite purpose. It is for a short duration and for a specific job related purpose. Since the objective of training effort in an organization may be varied such as to eliminate obsolescence through preventive analysis and careful training intended to prepare individuals for shifting or modified jobs to achieve greater company continuing self improvement and opportunities for promotion with in the organization. As put by R. The objective of training is thus to bridge the gap between existing performance ability and desired performance. It is called the second generation plant of BHEL ,set up in at an estimated cost of In the post independence era when India was moving towards industrialization, the thrust by the government was in the core sector. Today Bharat Heavy Electricals Limited has become the largest engineering plant employing managing approximately employees. Its headquarters are located at Delhi. It has been earning profits since and paying dividends since The wide network of B. It supplied over 25, motors with Drive Control System to power projects, petrochemicals, refineries, steel, aluminum, fertilizer, cement plants, etc. Supplied over one million valves to power plants and

other industries. The company is striving to give shape to its aspirations and fulfill the expectations as a Navratna Company. The greatest strength of B. Every employee is given an equal opportunity to develop himself and improve his position. Continuous training and retaining, career planning, a positive work culture and participative style of management have engendered development of a committed and motivated work force leading to enhanced productivity and higher levels of quality. By the end of five year plan it was envisaged by the Planning Commission that the demand for Power Transformer would raise in the coming years. The Bhopal plant was engaged in manufacturing of transformer of large rating and Jhansi unit would concentrate on Power Transformer like instrument transformer, traction transformer for railway etc. It was called second generation plant of B. Its foundation was laid by Late MRS. The Commercial production of the unit began in with an output of Rs. This plant of BHEL is equipped with the most modern manufacturing processing and testing facilities for the manufacture of power, special transformer and instrument transformers. The layout of the plant is such that it is well streamlined to enable smooth material flow from the raw material stages to finished goods. All the feeders Bays have been laid perpendicular to main assembly bay and in each feeder bay raw material smoothly gets converted to subassemblies, which after inspection are sent to main assembly bay. The material that is needed for maintenance is used only after through material testing in the testing lab and with strict quality checks at various stages of productions. This unit Bharat Heavy Electricals Limited is basically engaged in the production and manufacture of Transformer of various type and capacities. With the growing competition in the transformer section in it under took the re powering of DSNL. L Business mission To be a leading engineering enterprises providing quality product, systems and services in the field of energy, transportation, industry, infrastructure, and their potential areas Growth To ensure steady growth by enhancing the competitive edge of BHEL in existing, new areas and international operations so as to fulfill national expectation for BHEL. Image To fulfill the expectations which stakeholders like government as owner, employees, customers and the country at large have from Bharat Heavy Electricals Limited. Customer Focus To build a high degree of customer confidence by providing increased value for his money through international standards of product performance superior customer service. People Orientation To enable each employee to achieve his potential, improve his capabilities, perceive his role and responsibilities and participate and contribute to the growth and success of the company, to invest in human resources continuously and be alive to their needs. Technology To achieve technological excellence in operations by development of indigenous technologies and efficient absorption and provide competitive advantage to the company. Integrity and Fairness in all Matters. Respect for Dignity and Potential of Individuals. Strict Adherence to Commitments. Ensure Speed of Response. Foster Learning, Creativity and Teamwork.

Chapter 3 : Bharat Heavy Electricals Ltd.

Project Report On A Study Of. Recruitment Process BHEL Preface With immense pleasure and deep sense of sincerity, I have completed my Industrial training.

Today it ranks among the leading power Equipment manufacturers in the world. BHEL manufactures almost all high technology products required for power sectors viz. BHEL has a service network with regional headquarters in the four regions of the country. Services are provided in the following significant areas: Residual Life assessment RLA “ Due to aging, material grade of sets degrade as a function of time dependent material damage mechanisms such as creep, fatigue, corrosion, erosion, wear, embrittlement etc. It fore warns the impending failure and helps in reducing costly plant breakdowns by recommending replacement of defective components, retrofits etc. Quality through Measurement QTM “ provides web based management information for review, improvement and control of processes by measurement methodology. Weightage to processes and their attributes are decided on the basis of the impact of the process non “ conformity based on the customer needs. Root Cause Analysis RCA “ product and processes non “ conformity data is utilised for improving products, processes and systems. The project site is located in the outskirts of the national capital, Delhi in a place called Bawana. PPCL on completion of work. The Bawana project is an extension in third phase to the already functional Pragati Power stations that aim at providing quality power to the national capital. This power station is unique in its own way as it is slated to be the highest rated Combined cycle power project i. As of date the two gas turbines are already functional along with the steam turbine that gives a total of MW of power with one Gas turbine from the second unit MW. So currently the total capacity of the generation plant stands at MW. Combined cycle In electric power generation a combined cycle is an assembly of heat engines that work in tandem off the same source of heat, converting it into mechanical energy, which in turn usually drives electrical generators. In an ordinary non combined cycle heat engine the remaining heat e. In stationary power plants, a widely used combination is a gas turbine operating by the Brayton cycle burning natural gas or synthesis gas from coal, whose hot exhaust powers a steam power plant operating by the Rankine cycle. Many new gas power plants in North America and Europe are of this type. Such an arrangement is also used for marine propulsion, and is called a combined gas and steam COGAS plant. Multiple stage turbine or steam cycles are also common. Other historically successful combined cycles have used hot cycles with mercury vapour turbines. Design principle The efficiency of a heat engine, the fraction of input heat energy that can be converted to useful work, is limited by the temperature Difference between the heat entering the engine and the exhaust heat leaving the engine. In a thermal power station, water is the working medium. High pressure steam requires strong, bulky components. High temperatures require expensive alloys made from nickel or cobalt, rather than inexpensive steel. It has an upstream rotating compressor coupled to a downstream turbine, and a combustion chamber is in between. Energy is added to the gas stream in the combustor where fuel is mixed with air and ignited. In the high pressure environment of the combustor, combustion of the fuel increases the temperature. The products of the combustion are forced into the turbine section. Energy can be extracted in the form of shaft power, compressed air or thrust or any combination of these and used to power generators. In those the frames bearings and blading are of heavier construction. Industrial gas turbine range in size from truck mounted mobile plants to enormous complex system. When waste heat from gas turbine is recovered by a heat recovery steam generator HRSG , it powers a combined cycle configuration. Their other main advantage is the ability to be turned on or off within minutes, supplying power during the peak demands. Since single cycle power plants are less efficient than combined cycle power plants, they are usually used as peaking power plants, which operate anywhere from several hours per day to a few dozen hours per year, depending on the electricity demand to the generating capacity of the region.

Chapter 4 : SUMMER TRAINING PROJECT REPORT BHEL

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Bharat Heavy Electricals Limited (BHEL) was set up in by the Government of India with the objective of creating indigenous manufacturing base for power plant equipments. Today, BHEL is the 12th largest company in the world in Power Plant Equipments manufacturing and the largest in India.

Chapter 7 : BHEL: Reports, Company History, Directors Report, Chairman's Speech, Auditors Report of BHEL

Bharat Heavy Electricals limited, BHEL, is the largest engineering and manufacturing enterprise in India with global credentials. Today it ranks among the leading power Equipment manufacturers in the world.

Chapter 8 : BHEL full report

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OBJECTIVE OF THE STUDY. The project work is done to fulfill the requirement of our M.B.A degree course. It is an integral part of the curriculum of this program.