

Temporary Infrastructure Construction FOR Permanent Works.

Useful: For all Project Managers, Construction Managers, Field Engineers , Foreman, Supervisors, Safety Officers, Safety Supervisors, Environmental Engineers.

About the Author.

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He is having 13 years of leadership experience along with a total of three decades of rich experience in Industry, Petrochemicals, Underground metro, Buildings like High Rise Residential, Commercial, IT Parks, Malls, Hospitality and Townships.

He is the author of Preconstruction Manual displayed at Engineering Council of India and author of technical papers at Engineering council of India and Regular author of posts and articles in LinkedIn.

CONTENTS OF BOOK: The Book Majorly Covers the Planning and Construction of Various activities which are required at site to facilitate the start of Permanent Construction. There are 1) Take Possession of Plot 2) Site Preparation works 3) Soil Investigation and Survey works 4) Site Mobilization 5) Construction of Minimum Infrastructures 6) Site Layout and Demarcation 7) Traffic Studies 8) Environmental Mitigation Measures. Take Position of Plot covers 1)DEPLOYMENT OF SECURITY 2) CHECK THE PLOT BOUNDARY 3) VERIFY SITE ENCROACHMENTS 4) VERIFY NO DISCHARGE INTO PLOT 5) NO FIRE TO THE PROPERTY 6) PROPER AND UNOBSTRUCTED ACCESS TO THE PLOT 7) NO CONTAMINATION INSIDE THE PLOT 8) SOIL EROSION FROM THE PLOT 9) DEVELOPMENTS AROUND THE PLOT 10) LOCAL MATERIAL AVAILABILITY FOR CONSTRUCTION 11) NOISE POLLUTION 12) TRIAL PIT FOR SITE PREPARATION WORKS 13) MISCELLANEOUS INFORMATION AND FORMATS FOR ALL ABOVE. SECTION-B).....SITE PREPARATION WORKS ...Contents.....1) CONSTRUCTION SECURITY POSTS 2) CONSTRUCTION OF SITE OFFICE 3) CONSTRUCTION OF BOUNDARY WALL/FENCING/HOARDING 4) PREPARATION OF PROPER ACCESS TO PLOT 5) APPLICATION FOR WATER, ELECTRICITY AND TELECOMMUNICATION SERVICES 6) LOCATE SOIL DISPOSAL AREAS 7) INSTALLATION OF PROJECT SIGN BOARDS. 8) TEMPORARY LIGHTING FACILITIES AT SECURITY AND SITE SECTION-C) SOIL INVESTIGATION AND SURVEY WORKS ...Contents.....1) BOUNDARY DEMARCATION & CONSTRUCTION OF PERMANENT BOUNDARY PEGS 2) CONTOUR SURVEYING 3) PROVISION OF WATER POINTS 4) SOIL INVESTIGATION 5) ENVIRONMENTAL SURVEY 6) HYDROGRAPHICAL SURVEY AND FORMATS. SECTION-D... SITE MOBILIZATION ...Contents.....1) MOBILIZATION OF SECURITY AT SITE 2) MOBILIZATION OF STAFF AT SITE 3) MOBILIZATION OF FURNITURE, STATIONARY, OTHERS 4)

MOBILIZATION OF PLANT AND EQUIPMENT AND FORMATS. SECTION-E... CONSTRUCTION OF MINIMUM INFRASTRUCTURE DEVELOPMENT 1) CONSTRUCTION OF SECURITY POSTS 2) CONSTRUCTION OF SITE OFFICE 3) CONSTRUCTION OF BOUNDARY WALL/FENCING/HOARDING 4) SITE CLEARING, GRADING AND MICROGRADING 5) CONSTRUCTION OF CEMENT GODOWN 6) CONSTRUCTION OF STORES 7) CONSTRUCTION OF INTERNAL ROADS AND DRAINS 8)CONSTRUCTION OF STEEL FABRICATION YARDS 9)CONSTRUCTION OF PLANT AND MAHINERY YARD 10) CONSTRUCTION OF LABOUR CAMP AND FORMATS FOR ALL ABOVE. SECTION-F)...SITE LAYOUT AND DEMARCATION Obtain the site layout plan with all the infrastructure details shown in the drawing such as 1) Location and position of site office. 2)Location of security cabins 3) Site grading details.4) Location and position of cement go down. 5) Location of stores building 6) Location and position of Roads and drains .7) Location of labor camp 8) Location of soil stacking area 9) Location of steel fabrication yard 10) Location of plant and machinery yard. 11) Actual location of boundary wall. 12) Location of existing buildings. AND FORMATS FOR ALL ABOVE. SECTION-G...TRAFFIC STUDIES ...Contents...1) DEVELOPING THE SCOPE OF TRAFFIC MANAGEMENT STUDY..2) COLLECTION OF TRAFFIC DATA 3)PREDICTION OF TRAFFIC VOLUME 4)TRIPS GENERATION ESTIMATION 5)TRIPS DISTRIBUTION 6) TRIPS ASSIGNMENT 7)TRAFFIC FLOW ANALYSIS 8)TRAFIC SAFETY ANALYSIS 9) CONCLUSIONS AND RECOMENDATIONS SECTION-H...ENVIRONMENTAL MITIGATION MEASURES ..Contents...1)WATER POLLUTION 2)DUST POLLUTION 3)NOISE POLLUTION 4)AIR POLLUTION 5)SOIL EROSION CONTROL 6)CHEMICAL CONTAMINATION 7)DISPOSAL AND STORAGE OF HAZARDOUS CHEMICALS 8) MINIUUM DISTURBANCE TO HISTORICAL PLACES 9) MOSQUITO CONTROL THE BOOK ALSO VEOVERS GENERAL NOTES ON EXCAVATION, ROAD CONSTRUCTION, GENERAL NOTES FOR ENVIRONMENTAL MITIGATION MEASURES. The book is highly recommended for all practicing engineers and all organizations in Infrastructure, Construction and to all field engineers on how to plan the Infrastructure facilities and how to construct before the start of permanent construction. the book also covers various formats for each step for all to check and implement at site. The book is written and compiled based on the practical experience of Author in Infrastructure, Real estate.

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