

# PRECISION SURVO INSTRUMENTS

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## CIVIL ENGINEERING MODELS

### BRIDGES , CULVERTS , ROAD & RAILWAYS MODELS

- 1 PLATE GIRDER BRIDGE
- 2 LATTICE GIRDER BRIDGE
- 3 LATTICE BOWSTING GIRDER BRIDGE
- 4 ROAD SUSPENSION BRIDGE
- 5 STONE ARC BRIDGE
- 6 FLOATING BRIDGE
- 7 R.C.C DECK SLAB BRIDGE
- 8 R.C.C BALANCE CANTILEVER BRIDGE
- 9 ROAD CULVERT WITH R.C.C. SLAB
- 10 ROAD CULVERT ARC TYPE
- 11 ROAD CULVERT HUMEPipe TYPE
- 12 ROAD CULVERT BOX TYPE
- 13 ROAD CULVERT SKEW TYPE
- 14 FLYOVER ROAD JUNCTIONS
  - (a) CLOVER LEAF JUNCTION
  - (b) DIAMOND PATTERN
- 15 CROSS SECTION OF NATIONAL HIGHWAY
- 16 ROAD SIGN ( A SET OF 12 SIGNS)
- 17 POINT & CROSSING ( Railway Track )
- 18 INTERLOCKING ( Railway Track )
- 19 RAILWAY CULVERT

### BUILDING MODELS

- 20
  - a) GRILLAGE FOUNDATION
  - b) FOUNDATION
- 21 BRICKS (SET OF 10 DIFFERENT TYPE)
- 22 RANKING SHORES
- 23 FLYKING SHORE
- 24 CARPENTRY JOINTS SET OF 20 WOODEN JOINTS
- 25 DOOR LEAF (DIFFERENT 5 TYPES)
  - a FULLY PANELLED DOOR
  - t HALF PANELLED & HALF GLAZED DOOR
  - c SASH DOOR
  - d LEDGER & BRACED DOOR
  - e FLUSH DOOR
- 26 MODEL OF DOORS WITH SURROUNDING FRAMES (DIFFERENT 6 TYPES)
  - a FULLY PANELLED DOOR
  - b HALF PANELLED & HALF GLAZED DOOR
  - c SASH DOOR
  - d LEDGER & BRACED DOOR
  - e FLUSH DOOR
  - f VENETAINED DOOR
- 27 MODEL OF WINDOWS (DIFFERENT 8 TYPES)
  - a LOUVERED OR VENETAINED WINDOW
  - b DOUBLE HUNG WINDOW
  - c SLIDING WINDOW
  - d CASEMENT WINDOW
  - e AWINING WINDOW
  - f HOPPER WINDOW
  - g BAY WINDOW
  - h CORNER WINDOW
- 28 MODEL OF STAIR CASES (DIFFERENT 6 TYPES)
  - a DOG LEGGED STAIR
  - b OPEN WELL STAIR
  - c QUARTER TURN STAIR

- d BIFURCATED STAIR
- e GEOMETRICAL STAIR
- f SPIRAL STAIR
- 29 LEAN ROOF
- 30 COLLER BEAM TRUSS
- 31 KING POST TRUSS
- 32 QUEEN POST TRUSS
- 33 JOINTS OF TRUSS set of 4 joints
- 34 STEEL ROOF TRUSS
- 35 MANSARD ROOF TRUSS
- 36 N TYPE GIRDER TRUSS
- 37 WARREN GIRDER TRUSS
- 38 FRAMED ARCH TRUSS
- 39 NORTH LIGHT ROOF TRUSS
- 40 SCISSOR TRUSS
- 41 FINK TRUSS
- 42 DOUBLE FINK TRUSS
- 43 HOWE TRUSS
- 44 DOUBLE HOWE TRUSS
- 45 FAN TRUSS
- 46 MODIFIED QUEEN POST TRUSS
- 47 HIP TRUSS
- 48 PARALLEL CHORD TRUSS
- 49 ROOF SHOWING RIDGE, HIP AND VALLEY
- 50 BRICK LAYER'S SCAFFOLDING
- 51 CENTERING OF ARCH
- 52 TWO STORIED BUILDING
- 53 BUILDING PARTY TERRACED AND PARTY TILED
- 54 TWO ROOM & VERENDAH
- 55 ROOF RAIN WATER HARVESTING SYSTEM

#### **IRRIGATION MODELS**

- 56 COFFER DAM
- 57 GRAVITY DAM
- 58 ARCH DAM
- 59 BUTTRESS DAM
- 60 EARTHEN DAM
- 61 RIVER HEAD WORK
- 62 VISWESWARAYA GATE
- 63 TANK SLUICE TOWER HEAD TYPE
- 64 TANK WEIR
- 65 CANAL IN TAKE
- 66 CANAL DROP
- 67 CANAL REGULATOR
- 68 FISH LADDER
- 69 SYPHON AQUEDUCT
- 70 AN AQUEDUCT
- 71 SUPPER PASSAGE TO TWO SPAN
- 72 LEVEL CROSSING
- 73 SPILWAY GATE
- 74 HYDRAULIC JUMP
- 75 SILT EJECTOR
- 76 GIBBS MODULE
- 77 SADDLE SYPHON SPILWAY
- 78 VOLUTE SYPHON SPILWAY
- 79 SUPPRESSED WEAR
- 80 SLUICE GATE

#### **PUBLIC HEALTH MODELS**

- 81 SLOW SAND FILTER
- 82 RAPID SAND FILTER
- 83 PRESSURE FILTER
- 84 SAFE WATER SUPPLY FROM A RIVER
- 85 SEDIMENTATION TANK ( Sewerage System )
- 86 FLOCULATOR
- 87 TRICKING FILTER
- 88 SEPTIC TANK ( Waste Disposal Unit )
- 89 IMHOFF TANK
- 90 MODEL BOARD OF SANITARY FITTINGS
- 91 MODEL BOARD OF PIPE FITTINGS
- 92 MODEL OF TUBE WELL

#### **REINFORCEMENT DESIGNS MODELS ( STEEL STRUCTURES )**

Model showing desposition of reinforcement in :

- 93 A SIMPLE SUPPORTED SLAB
- 94 A CONTINUOUS SLAB
- 95 A TWO - WAY REINFORCED SLAB
- 96 A SIMPLY SUPPORTED BEAM
- 97 A BEAM WITH AN OVER-HANGING ON ONE SIDE
- 98 A CONTINUOUS BEAM OF 3 SPANS
- 99 A COLUMN & COLUMN BASE
- 100 A COMBINE FOOTING
- 101 A CANTILEVER RETAINING WALL
- 102 A COUNTERFORTED RETAINING WALL
- 103 A LINTLE CUM SUN SHADE
- 104 A SLAB REINFORCEMENT WITH T-BEAM

## **MECHANICAL ENGINEERING MODELS**

### **MODELS OF BOILERS & TURBINES**

- 1 LANCASHIRE BOILER
- 2 CORNISH BOILER
- 3 BABCOCK & WILCOX BOILER
- 4 LOCOMOTIVE BOILER
- 5 COCHRAN BOILER
- 6 VERTICAL WATER TUBE BOILER
- 7 KAPLAN TURBINE
- 8 FRANCIS TURBINE

### **MODELS OF PETROL / DIESEL / STEAM ENGINES**

- 9 SECTIONAL WORKING MODEL OF 2 STROKE PETROL ENGINE
- 10 SECTIONAL WORKING MODEL OF 4 STROKE PETROL ENGINE
- 11 SECTIONAL WORKING MODEL OF 2 STROKE DIESEL ENGINE
- 12 SECTIONAL WORKING MODEL OF 4 STROKE DIESEL ENGINE
- 13 STEAM ENGINE GLASS PLATE (LOCOMOTIVE)
- 14 STEAM ENGINE FACTORY MODEL WITH DYNAMO
  - b) ----- do ----- With ELECTRIC HEATER
- 15 WATER TURBINE WITH DYNAMO
- 16 HYDRO POWER MODEL

#### **Terms & Conditions :**

- 1) Rates are Ex-factory Roorkee. Packing ( as per items ), Forwarding & Actual Freight will be charged extra.
- 2) G.S.T. applicable .
- 3) Payment - 50% Advance along with order. Rest payment by C.O.D. basis/by your Bankers.
- 4) Delivery within 7-10 days from Roorkee after receipt of order .Transportation time extra.  
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