

SOFTWARE



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WE have software for analyst and design of structures as well as adequate software for accurate and detailed mapping/ contouring etc. The following are presetting some details regarding the in-house available software.

➤ *SAP 90 (Structural Analysis Programme)*

This Structural analysis programme, used for static and dynamic finite element analysis of structures, developed by computers and structures Inc., Berkley, California, USA. It is a state of the art programme and is widely being used in USA and other developed countries.

➤ *SAP 2000*

This programme is in series of the above SAP-90 and latest version with more finite elements and better capabilities.

➤ *Digital Terrain Model*

A digital terrain model (DTM) can be developed using TIN Triangulated Irregular Network of Grid. A perspective image of site can be generated and contours based on acceptance/ rejection criteria of points in TIN, which can be edited.

➤ *Eagle Point 2005*

This is used to define horizontal and vertical alignment of roads, define typical cross sections and ROW, which is used to compute E/W volumes and generate mass haul diagram.

➤ *DATA Transfer to Auto CAD*

This is in-house developed programme to transfer raw-data to AutoCAD preserving features line stringing information.

➤ *Processing within AutoCAD*

We have number modules for performing capabilities. This performs 2-D and 3-D static dynamic analysis of structures. The output gives joint displacement and rotation, deformation of element under applied loads. Un-deformed and deformed shapes of structures can be viewed in its supplied mode.

➤ *Microsoft Windows XP & 2000 Professional*

➤ *Microsoft Office XP*

➤ *Microsoft Front Page XP*

➤ *Corel Draw Ver. 12*

➤ *Inpage (Urdu) 2000*