

Widely used Construction Equipments

Construction equipments are integral parts of any construction project, be it industrial project, building project, pipeline project or any other for that matter. Without construction equipments a project would virtually come to a standstill. There are many varieties of these equipments meant for diverse purposes.

Due to frequent development of technologies and ever changing needs, newer and smarter equipments or machinery are showing up in the arena of construction every now and then. This post lists some of the most frequently used construction equipments for various purposes.

Construction equipments for earthwork: Bulldozer, Grader, Back Hoe or Excavator (both wheeled and crawler type), Backhoe Loader, Scraper, Drag Line, Clam Shell, Truck Dumper, Road Roller, Sheep Foot Roller, Pneumatic Tired Roller, Vibrating or Vibro-Roller, Plate Compactor, Water Tanker, Water Pump, Truck etc.

Construction equipments for road sub-grade and pavement construction: Bulldozer, Grader, Back Hoe or Excavator (both wheeled and crawler type), Hydraulic Rock Breaker, Scraper, Truck Dumper, Truck, Road Roller, Pneumatic Tired Roller, Vibrating or Vibro-Roller, Plate Compactor, Asphalt plant, Paver, Chip Spreader, Broom, Tamper (for vibrating & compacting pavement layers), Water Tanker, Water Pump etc.

Construction equipments for concreting: Concrete Mixer, Batching Plant or Ready Mix Plant, Concrete Pump, Concrete Vibrator, Stone Crusher, Truck Mixer, Water Tanker, Truck, Water Pump, Slip-form equipment, Hoist or Pulley, Compressor, Steel Reinforcement Cutting & Bending Machine etc.

Construction equipments for Pipeline Work: Bulldozer, Grader, Back Hoe or Excavator (both wheeled and crawler type), Trencher, Backhoe Loader, Scraper, Drag Line, Clam Shell, Truck Dumper, Road Roller, Sheep Foot Roller, Pneumatic Tired Roller, Plate Compactor, Crawler and Wheeled Crane, Pipe Layer, Portable Power Generator/Gen Set, Welding Machine, Pipe Bending Machine, Hydraulic Rock Breaker, Forklift, Trailer, Tunnel Borer, Air Compressor, Water Tanker, Hydraulic Testing Machine, Water Pump, Truck etc.

Construction equipments for lifting and hauling of materials: Forklift, Whirler Crane, Tower Crane, Crawler Crane, Hoist & Pulley, Lattice Boom, Truck Mounted Crane, Aerial Lift & Work Platform, Electric Overhead Crane etc.

Construction equipments for some other purposes: Drilling Machine, Soil Boring Machine, Drilling Rig, Waterwell Drill, Tunnel Boring Machine, Pile Driving Machine, Rotary Hammer, Rammer etc.

Obviously, some equipments or machinery would be useful for many different types of projects. For example, a concrete mixer or a vibrator would be required for a road construction project or a pipeline project as concreting is

bound to take place in these projects too. Similarly, a rotary hammer or a rammer or a hydraulic rock breaker could be necessary for any work where breaking of rocks is involved, be it a road project or a pipeline project or earthwork.

Virtually any type of construction project would use one or the other and quite often most of the equipments mentioned above. There are many more equipments or different varieties of a particular class of equipment. This post highlights some of the commonly used ones. Readers can suggest more names to the list.

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