



SUMMARY OF CIVIL WORKS COMPLETED

| Year | Project Particulars | Description |
|-------------|--|--|
| 1964 | | |
| 29 | DARGAI POWER HOUSE. Repair to deteriorated and spalled concrete lining of long water conduits/channels, and spillway surfaces of the Dargai hydroelectric power house. | Removal & cleaning by air chipping and sand blasting of all defective concrete, fixing dowels & reinforcement mesh, application of pneumatic concrete. |
| 1966 | | |
| 47 | HDERABAD KOTRI. Tower crossing for transmission line over the Indus River. | Construction of base of towers including beams caps, and piles. |
| 49-50 | CHINIOT AND MALAKWAL. River crossing of Sui Northern Gas Pipelines. | Super structure of pipe line crossing alongwith substructure work. |
| 1967 | | |
| 60 | PESHAWAR. Old brickworks water aquaduct under historic Peshawar City. | Removal of defective parts, repair re-lining with reinforcement mesh, and covering the entire tunnel with pneumatic concrete. |
| 1972 | | |
| 91 | TAUNSA. Transmission line tower foundations over Indus River, at Taunsa. | Construction of caps, pedestals and beams involving 20 feet dewatering alongwith installation of piles. |
| 1978 | | |
| 140 | RISALPUR CANTT. Water supply scheme in Cantt area. | Construction of Pump houses, provision of Chlorinators and installation of tubewells. |
| 142 | WAH CANTT. Special foundations at Pakistan Ordnance Factories for heavy machines. | Design and construction of Foundations of 4,000 tons press. Working in difficult restricted space including underpinning foundations by piling, guniting and grouting. |
| 147 | TAXILA - HRF (Project P-711). For Defence Production Board. Rebuilding and repairs with Gunite. | Rebuilding of reinforced concrete tank test track by reinforced pneumatic concrete and pressure grouting. |
| 1979 | | |
| 158 | BANNU SCARP AREA. Multi-million rupees Antiwater Logging & Salinity Control Project. | Installation of 40 Tubewells and construction of pump houses in Bannu SCARP Area in N.W.F.P. on turnkey basis. |
| 162 | CHENAB RIVER. Near MUZAFFARGARH. 500 KV Transmission Line Towers. | Construction of foundations for EHV Transmission lines towers including beams, pile caps and piles. |
| 1981 | | |
| 181 | HATTAR. Structural repairs to cement plant. | Repairs to Crusher structure and Clinker tower by chipping, refabrication, application of pneumatic concrete and Grouting during a brief shut down of the factory. |
| 184 | CLIFTON KARACHI. Housing Complex. repairs. | Structural strengthening of multistorey buildings by reinforced gunite. Reinforcement of approx. 380 RCC columns by pneumatic concrete. |
| 185 | D.G.KHAN. Water Supply Scheme. | Civil Works for permanent water supply for cement factory, including intake structures, storage tanks and regulators. |



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| 1982 | | |
| 195 | KAKUL - (ABBOTTABAD). Water Supply Project. Tope Camp. | Construction of Pump houses, tubewells, pump set, rising main, external electrification. |
| 196 | KHAIRPUR. Multimillion rupees Grain Silos, Project National Logistic Cell (NLC). | Turnkey project for battery of 14 slipformed RCC grain silos 50,000 tons capacity. Work included design and construction of grain silos, procurement, fabrication and installation of automatic grain cleaning and handling equipment capacity 100 tons/hour. Automatic Aeration and temperature control equipment. Ancillary storage building, roads, and other services. Operation, maintenance and training of clients staff. |
| 205 | JHELUM CANTT. Improvement of Water Supply. | Construction of pump house and tubewells with turbine pump. |
| 1983 | | |
| 218 | HYDERABAD. Zeal Pak Cement Factory. Structural repairs with shotcrete/Gunite. | Repairs to RCC Structures by removing damaged concrete re-building of Silos, Clinker hopper and slurry elevators with pneumatic concrete. |
| 1985 | | |
| 234 | 2ND TARBELA - FAISALABAD 500 KV T/L PROJECT. Investigations and piling. | Soil Investigation and Piling for towers at Jhelum and Chenab River Crossings and associated superstructures. |
| 1987 | | |
| 260 | HATTAR. (District Abbottabad). Structural repairs of factory structures by Gunite. | Chipping, cleaning and repair of internal and external surfaces of Clinker tower by reinforced pneumatic concrete. |
| 1990 | | |
| 302 | MANGLA DAM. Hydro Power Extension Project Units 9 & 10. | Double Sheet pile wall of coffer dam and mass tremmie concreting for power house extension using floating platforms. Work included underwater cutting of concrete and socketting of double sheet pile walls. Extensive heavy structural steel fabrication. |
| 307 | GHAZI GHAT. 500 KV Transmission line towers. Offshore pile foundations on the Indus River. | Construction of tower foundations including beams, pile caps and piles. |
| 308 | MANGLA. Transmission line towers damaged by storm. Emergency piling for new towers. | Construction of foundations of 1500 KV T/line including beams, pile caps and piles. |
| 1991 | | |
| 313 | MANGLA DAM. Hydroelectric Power Station Extension Project Units 9 & 10. | Installation of Double Sheet Pile Wall alongwith underwater tremmie concreting, fabrication & installation of internal & external bracings and provision of anchorage arrangements of Sheet Pile Walls to Baffle Walls. |
| 1993 | | |
| 320 | GHAZI GHAT. 500 KV Transmission line tower. GUDDU-MULTAN. Offshore pile foundations on the Indus River. | Construction of tower foundations including beams, pile caps and piles. |



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| 321 | BHERA: Pakistan Motorway (Lahore-Islamabad) Project. | Construction of two residential colonies to accommodate approximately 300 people in each. |
| 322 | CHAKRI: Pakistan Motorway (Lahore-Islamabad) Project. | Construction of a residential colony to accommodate approximately 200 people. |
| 1995 | | |
| 327 | QADIRPUR GAS Development Pipeline (Phae I) Project for Indus River Crossing. | Construction of Road & Gas Pipeline bridge including super structure and sub-structure. |
| 329 | MIANWALI: Chashma Hydropower Project. A Joint Venture with Bachy/Soletanche of France. | Plastic Concrete Diaphragm wall 0.8 meter thick. Total quantity 26,000 sq. meter and construction of Guide wall approximately 400 cubic meters of RCC. |
| 1996 | | |
| 331 | QADIRPUR: Qadirpur Gas Field Project. Recovery of Well No. 04. | Construction of Earth Embankment. Installation of 10 Tubewells for lowering of water table upto 10M in piles (225 tons). Excavation upto 12.0 meters within the sheet piled cofferdam for recovery of well head. |
| 1997 | | |
| 334 | PEZU (D.I.Khan): Lucky Cement Plant Kiln Foundation. | Remedial measures work on Kiln Line-A and CCR building involving 38 piles 1 meter dia. upto 30 meters depth, grouting of 1250 holes with steel rebar and concrete work in Beams, Walls, Columns, Walkways/ Stairs etc. |
| 337 | PEZU (D.I.Khan): Lucky Cement Plant Cooler Building. | Remedial measures work inside Cooler Building involving 19 Piles of 700mm dia and 20 piles of 650mm dia, grouting of 900 holes with steel rebar and over 1,500 cubic meters of concrete in beams etc. |
| 339 | MUZAFFARGARH: Thermal Power Station Extension. Water Supply. | Construction of pump houses, internal electrification and allied works alongwith installation of 10 tubewells for water supply to Unit No.4 900 meters of drilling. |
| 340 | DERA MURAD JAMALI (Baluchistan): Uch Power Plant Project. Boundary Wall. | Construction of brick Boundary Wall 3152 meters in length and 2.4 meter high. This involved drilling of 849 small diameter piles alongwith approx. 1500 cubic meters of concreting. |
| 341 | DERA MURAD JAMALI (Baluchistan): Uch Power Plant Project. Construction of Raw Water Intake Pump House. | Construction 150 square meters RCC structure which was approximately 15 meters high. Involved excavation works and 2500 cubic meters of concreting of complicated pump chambers and other internal structures. |
| 342 | LAHORE - Mian Mir Drain Bridge: At Lahore Bypass. | Remedial works for the bridge. Strengthening of existing bridge with additional steel girders and steel plates. |



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| 1998 | | |
| 343 | THIRD JAMSHORO-GUDDU 500 KV T/LINE (KOT MITHAN-CHACHRAN) : Bed of the Indus River near Rajanpur. Civil Works and Pile Foundation. | Construction of 3rd Jamshoro-Guddu 500 KV T/Line Section III. Involving 1600 meters of large diameter off shore piling in the Indus River in addition to over 7,000 meters of piles on dry land. Civil works for the pile caps, chimneys and beams for the foundation structures. |
| 2000 | | |
| 351 | ISKANDERABAD (DAUD KHEL) District: Mianwali Pak-American Fertilizer Limited Cooling Tower. | Repair and Remedial works for the cooling tower at PAFL involved water proofing of water tank of 7.43 million litres capacity by special treatment of Asphalt coating and Asphalt membrane with top layer of reinforced concrete 11,000 cu.ft. with out construction joint. New concrete achored with old one by anchor bolts. |
| 2001 | | |
| 352 | ZAMZAMA GAS FIELD EWT PROJECT: Near Dadu (Sindh). Remedial Works for Water Well. | Remedial works of well including re-Development of well & remove the gravel pack upto 260 ft. installation of 4 Nos. 1" dia pipes upto 260 ft. with bottom 50 ft. to 200 ft. Dewatering of well seepage for 288 hours. |
| 354 | CHASHMA RIGHT BANK CANAL: Indus Highway Project Phase-II (N-55): Construction of 4 Bridges. | Construction of 4 bridges i.e. Khad Warkai Bridge, Sherana Bridge, Ramak Bridge and Jai Haibat Bridge over Chashma Right Bank Canal (CRBC) with approach on either side of bridges approximately 500 meters each side. Involving drilling of 4 Nos. of test piles, 12 Nos. of Reaction Piles and 115 Nos. of working piles with 1100/750mm diameters. Carry out the total drilling 3473 meters. Superstructure consisting of RCC columns. PC girders (60 Nos.), wing wall and deck slabs. Asphalt 10,000 tons and Drainage & Erosion works. Total Concrete 8,000 cubic meters and 700 tons of steel. |
| 2002 | | |
| 356 | DEFENCE HOUSING AUTHORITY LAHORE CANTT. Repairing of water tanks Sector X & Z Blocks. | Repair of columns and beams by chipping off spalled concrete, preparing of areas, cleaning of steel rust, replacement of steel, Carrot 1085 square feet guniting to repairs the water tanks. |
| 357 | DEFENCE HOUSING AUTHORITY LAHORE CANTT. Water Proofing Overhead of Water Tanks in X Block. | Cleaning of seepage areas outside of the water tank. Apply cementitious capillary water proofing material suitable for use in drinking water. Empty water tank & dry completely by using heaters. Total water proofing area 761 quare feet. |
| 359 | PAKARAB FERTILIZER PROJECT KHANEWAL ROAD, MULTAN. Drilling of Holes (Cores). | Drilling of 6 holes (coring) of 2.5 inch diameter in concrete upto the depth 18" each. |



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| | 361 SAWAN GAS FIELD DEVELOPMENT PROJECT. Drilling of Raw Water Supply. | Drilling & Installation of 4 Water Wells of 4 cusec capacity. Development and testing of wells with turbine pump, air compressor and D&T units. Water samples testing and flow rate testing using flow meters. Civil works for installation of security fencings for well all 4 wells. |
| | 362 KAMALIA SUGAR MILLS: Drilling of Holes in Concrete Foundation of Sugar Mills House. | Drilling of 258 bore holes 100 mm dia. In RCC/PCC upto a depth of 1 ft. Drilling of 23 Nos. boreholes for foundation of high speed gear boxes of 100mm dia. in RCC/PCC upto a depth of 3 ft. |
| 2003 | | |
| | 366 KAMALIA SUGAR MILLS: Drilling of Holes in Concrete Foundation of Sugar Mills House. | Drilling of 341 bore holes 100 mm dia. In RCC/PCC upto a depth of 1 ft. Drilling of 10 Nos. boreholes of 100 mm dia. Upto a max depth of 2 ft. Drilling of 24 Nos. boreholes for foundation of high speed gear boxes of 100 mm dia. In RCC/PCC upto a depth of 3 ft. |
| | 368 SAWAN GAS FIELD DEVELOPMENT PROJECT. Drilling of Deepwell Groundbeds Boreholes for Cathodic Protection at The Central Procession Plant (CPP). | Construction of 2 boreholes for Cathodic Protection System. Max Borehole doa. (182mm diameter). Development and testing of wells with air compressor. |
| | 369 SAWAN GAS FIELD DEVELOPMENT PROJECT. Drilling of Wells No. 8 & 9 for Cathodic Protection at Gas Well Casing. | Construction of 2. boreholes for Cathodic Protection System. Max Borehole doa. (182mm diameter). Drilling depth of each hole 90 meters. Installation of PVC casing dia. 4" upto 50 meters each and sanitary sealing around PVC casing. Back filling of holes with Calcined Coke upto 90 meters each. Construction of concrete collar 1 No. for each hole of sizes 50x50x30 cm. |
| | 370 KAMALIA SUGAR MILLS: Drilling of Holes in Concrete Foundation of Sugar Mills House. | Drilling of 2 bore holes 100 mm dia. upto a depth of 2.7 meters each hole in vertical reinforced wall of 600 mm width. |
| 2004 | | |
| | 373 JINNAH BARRAGE LAKE: Secondary T/Lines and Grid Stations Project under JBIC Loan PK/P43 (Package-I) 220 KV T/Line Daukhel - Bannu. Tower No. 8. | Construction of 8 Piles of 1200mm dia. Upto a maximum depth of 36 meters each. Total drilling carried out 290 meters. Construction of pile foundation at Tower No. 8 including piles and pile caps & tie beams. Preparing barges/pontoons, platform, access, drilling/boring. Supply & installation of MS liner 10mm thick of 1200mm dia. Fabrication of steel bars, and making steel bars cages and casing, fixing reinforcement steel. Collection and testing of 33 Concrete Cylinder Samples of Tower No. 8. |



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| 2005 | | |
| 379 | SUKKUR BARRAGE REHABILITATION PROJECT: Emergency Works for Restoration of the Barrage. | Installation and Extraction of 366 sheet piles upstream and downstream of cofferdam. Length of each sheet pile 38'-8". Installation of 200 of Permanent sheet piles at upstream and downstream of Dadu Canal and main gates. Total weight of sheet piles 439,607 Kgs. |
| 382 | SUKKUR BARRAGE REHABILITATION PROJECT: Emergency Works for Restoration of the Barrage. | Drilling of 30 holes for electrical piezometers and drilling of 9 holes for stand pipe piezometers upto a max depth 30 ft. Total Drilling carried out 629 ft. Carrying out 61 SPT. |
| 2006 | | |
| 389 | SUKKUR BARRAGE REHABILITATION PROJECT: Emergency Works for Restoration of the Barrage. | Installation of 19 Piezometers beneath large abutments. Set up at each location, drilling of holes in piers. Total drilling carried out 909 ft. Carrying out 12 SPT. |
| 390 | KAMALIA SUGAR MILLS: Drilling of Holes in Concrete Foundation of Sugar Mills House. | Drilling of 3 bore holes 100 mm dia. upto a depth of 1900mm and 15 boreholes upto a depth of 600mm each hole in RCC/PCC foundations. |
| 2009 | | |
| 403 | LAHORE SUNDAR INDUSTRIAL ESTATE: Tetra Pak Pakistan Ltd., Lahore-2 Project - Civil Works for Production Building (No. 20) and Basement. | Earthworks for structures. Compacted backfill in foundation including dressing watering, consolidation by ramming. (Total 11,554 cubic meters) Reinforcing steel bars of Grade 60 (Total 201,803 Kgs). Provide and lay structural cement concrete of 5,800 psi cylinder crushing strength. (Total quantities 5,058 cubic meters). |
| 2014 | | |
| 418 | JHIKA GALI MURREE: Piling Work and Construction of Pile Caps, Beams and Walls. Installation of an Inclinometer System, Drilling of Boreholes & Installation of Seepage Wells for Restoration of Landslide. | Construction of 131 Nos. Piles of 1200 mm diameter for Wall 1, Wall Add, Wall 2 and Wall (Kuldana). Maximum depth of pile 30 meters. Total drilling carried out 2997.78 meters. Carrying out 1 (one) No. Lateral Load Test (200 Tons). Procurement and Installation of an Inclinometer System consisting of one digital data logger with software, Inclinometer probe, control cable, pulley assembly and shipment to site. Execution of 7 Nos. boreholes upto a maximum depth of 25 meters in overburden soils/bed rock (Total Drilling 175 meters) and installation of inclinometer casing pipe 85mm dia.(alongwith top and bottom cap), and their monitoring on daily basis during installation period. Cut bend and installation of Reinforcement Grade-60 Qty. 1256.45 Tons. Installation of steel liner in piles dia 1200mm Qty. 114.3 Tons. Concreting of Pile Caps A-3 and Blind concrete Wall 1, Wall Add, Wall 2 Qty. 984 cubic meter. Installation of Seepage Wells, Drilling and Fixture installation Qty. 2 Nos. |