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Ground Anchors

Ground Anchors are cast-in-situ elements consisting of steel tendon (i.e. strands) that are embedded in the ground which maintains the stability of diaphragm walls. The anchors are prepared from Low Relaxation Steel Strands which are inserted in-ground and then grouted with cement grouts.



Diaphragm Walls

A diaphragm wall is a reinforced concrete wall that is used to support the deep excavations in large infrastructure projects. The walls are constructed in panels of length approximately 5m each. The excavation is carried out with the help of a hydraulic grab followed by the lowering of the cage. The stability of the excavated trench is maintained by polymer or bentonite.



Marine Constructions

Every marine structure is unique by its location and external hostile conditions, and the construction problems required to be freed could not be standardized, because of the effective mode of operations to carry out various activities for foundations, setting up of off-shore platform and traversing through various varied compositions etc calls for tremendous insight and intuition on the part of construction superintendent, otherwise, the tailor-made specialized type of equipment/gantries would not be functional as required.



Pile Foundations

Pile foundations are used where the topsoil is either loose/soft or of the swelling type the load from the structure has to be transferred to deeper strata. A pile is a long slender column either driven, bored, or cast-in-situ. Bored Piles are generally cast by excavating the material with the help of hydraulic rigs. The stability of the borehole is maintained by bentonite either with the Direct Mud Circulation method ( DMC ) or Reverse Mud Circulation ( RMC ) method.

## LANDMARK PROJECTS

SR NO.


PROJECT


CLIENT


1	Augmentation of Cruiser Wharf Jetty at Naval Dockyard Mumbai.	Naval Dockyard, Mumbai
2	Strengthening of Oil Jetty No: 1 & 2 at Old Kandla.	Kandla Port Trust
3	Extension of Deck portion on either side of existing channel berth in Visakhapatnam Outer Harbour.	Visakhapatnam Port Trust
4	Construction of Bangalore Metro Rail Project Reach 4B - Piling works - Reg.	JSW Steel Ltd, Raigad, Dolvi
5	Piling work for 2 MTPA Expansion Project at JSW Steel Ltd, Dolvi Works.	NCC Limited, Bangalore
6	Piling works for BMRCL R3 pkg-1 project at Yeshwanthpur and Soap factory station at Bangalore.	Larsen &Tourbo Ltd., Bangalore
7	Kolidam Barage, Chennai	Sri Pathy Associates Pvt. Ltd.
8	Westport Hotel, Sindhu Bhavan, Ahmedabad	V-Square Infrabuildcom LLP.
9	Phoenix Mall, Thaltej, Ahmedabad.	SGH Realty LLP (B-safal)



With over 25 years of experience in construction of Diaphragm Walls, Pile Foundations, Ground Anchors, Marine Structures and Geo technical Investigations.

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