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#### PRAKASSAM BARRAGE PROJECT

Project	Replacement of 70 Nos. of spillway Gates
Client	Irrigation & C.A.D. Department, Prakassam Barrage Circle Vijayawada, India
Location	Prakassam Barrage on Krishna River near Vijayawada, Andhra Pradesh
Type of Project /Scope	Replacement of 70 numbers old Vertical Lift Gates with New Gates including Designing, fabrication, supply, erection, testing & commissioning of 70 Nos. New Spillway Vertical Lift Gates of size 12.87 M x 3.66 M including Fluro carbon Rubber seals for sides and bottom and refurbishment of embedment using stainless steel plates.  Project was executed with World Bank Aid.
Status	Completed
Challenges & Achievements	<ul> <li>Large multipurpose 55 year Old Irrigation Barrage</li> <li>Vertical Lift Gates of size 12.87 M x 3.66M – 70 nos. old rusted gates to be replaced with new ones</li> <li>World Bank aided project – Tight construction schedule with heavy daily penalties for delays</li> <li>Project connecting twin cities with heavy traffic on Barrage</li> <li>Reservoir depletion not permitted</li> <li>No provision for Stoplog gates thus making replacement even more difficult – Floating Bulkhead Gate designed for easing speedy replacement</li> </ul>







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## KARBI LANGPI HYDRO ELECTRIC PROJECT

Project	100 MW (50 x 2)
Client	ASSAM POWER GENERATION CORP. LTD, Government of Assam
Location	GUWAHATI, ASSAM; India
Type of Project/Scope	Design, Fabrication, Supply and Erection, Testing & Commissioning of Spillway Radial Gates of size $12M \times 16$ . 75 M (7 Nos.) with Hydraulic Cylinders of $100T$ capacity having stroke of $10$ meters, Spillway Stoplog Gates 7 Units, Gantry Cranes of $35$ T Capacity and Intake Gate operated by Rope Drum Hoist of $40$ T capacity.
Status	Completed successfully
Challenges & Achievements	Remote and difficult terrain and treacherous site conditions made it difficult to execute site works in compressed installation programme.







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#### **BINH DIEN HYDRO POWER PROJECT**

Project	45 mw Hydro Electric Project
Client	BDHPJSC, Vietnam
Location	SOCIALIST REPUBLIC OF VIETNAM
Type of Project/Scope	Designing, Fabrication, Supply, Installation, Testing and Commissioning of Hydraulic Servo System for five Spillway Radial Gates and Intake Gate alongwith all related equipments.
Status	Completed Successfully
Challenges	Project executed under Indian Line of Credit to Vietnam









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#### **GOSIKHURD DAM PROJECT**

Project	Irrigation Project
Client	VIDARBHA IRRIGATION DEVELOPMENT CORP., Govt. of Maharashtra
Location	Wahi, maharashtra
Type of Project/Scope	Designing, Detailed Engineering, Manufacturing, Supply, Transportation, Installation, Testing and Commissioning of 33 Nos. Spillway Radial Crest Gates of size 18.3 M x 16.5 M using hydraulic Servo Motor Hoist of 180 MT Capacity; 6 sets of Spillway Stoplog Gates and 2 Nos. Gantry Cranes of 60 M. Ton capacity.
Status	Completed
Challenges & Achievements	The execution of one of the largest Radial Gates in the world, in such large quantity of 33 Nos, to be completed in short period was a big challenge and achievement







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### LARJI HYDRO ELECTRIC PROJECT

Project	126 MW Hydro Electric Power Project
Client	HPSEB, Government of Himachal Pradesh
Location	SUNDERNAGAR, HIMACHAL PRADESH
Type of Project/Scope	Design, Manufacture, Supply, Painting, Installation, Testing and Commissioning of 5 Nos. Spillway Radial gates of size 11M x12.5 M and design head of 19 M with Hydraulic Hoist, Spillway Stoplog Gate of size 11 M x 2.5 M with Lifting beam and Gantry Crane, 4 Nos. Intake Gates & Rope drum Hoists, 3 Nos. Penstock Intake Gates with Rope Drum Hoists; 4 Nos. Draft Tube Gates; EOT Crane, Silt Flushing Gate operated using Hydraulic Hoist; Complete Automation and control equipments.
Status	COMPLETED
Challenges & Achievements	Installation works were successfully completed in a very difficult and compressed programme.





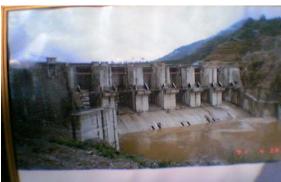
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#### RANGANADI HYDRO ELECTRIC PROJECT

Project	405 MW Hydro Electric Power Project
Client	NEEPCO Ltd. (Govt. of India)
Location	YAZALI , Arunachal Pradesh
Type of Project/Scope	Design, fabrication, supply, transportation, erection, testing & commissioning of 6 Nos. Spill way Radial Gates of size 10 M x 12 M and 12M design head including Hydraulic Hoist, Stoplog Gate of size 10M x 14.140 M and Head Race Tunnel Intake Gate of size 5.53 M x 6.80M and Design Head of 19.10M with 40 Ton Rope Drum Hoist; Surge Shaft Gate of size 5.34M x 5.80M, Design Head of 68.30M and 100 Ton capacity Rope Drum (mechanical) Hoist; Draft Tube gates of size 2.775M x 4.30M and 19.85 M Design head.
Status	COMPLETED
Challenges & Achievements	Site works were completed as per schedule despite difficult and inaccessible terrain and remote site related difficulties and logistical challenges







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#### **CHAPPI IRRIGATION PROJECT**

Project	Irrigation Project
Client	Govt. of Rajasthan
Location	JHALAWAR, RAJASTHAN
Type of Project/Scope	Design, Fabrication, Supply, Erection, Testing and commissioning of 13 Nos. Vertical Lift Crest Gates of size 11.5 M x 7.20 M including electrically operated Rope Drum (mechanical) Hoists of 50 T capacity; 2 Nos. Stoplog Gates and one 30 Ton capacity Gantry Crane.
Status	COMPLETED
Challenges & Achievements	Inordinately delayed civil works resulted in compression of our installation activities for Hydro Mechanical Equipments





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#### KURICHU HYDRO ELECTRIC PROJECT

Project	60 MW Hydro Electric Power Project
Client	DRUK GREEN POWER CORP. Ltd. (Royal Govt. of Bhutan), Thimpu, Bhutan through NHPC LTD. (Govt. of India)
Location	BHUTAN
Type of Project/Scope	Design, Detailed Engineering, Fabrication, Manufacture, Painting, Supply, Transportation, Erection, Testing & Commissioning of 5 Nos. of Spillway Radial Gates of size 10.5 M x 14 M and 26M Design head operated using Hydraulic Hoist of 165 T capacity; 2 Nos. Intake Gates of size 3.73M x 4.75M and 70M Design Head with 80 Ton capacity Rope Drum Hoist; 4 Nos. of Intake Trash Racks of size 6M x 3M; Intake Stoplogs & Spillway Gantry crane of 41 Ton capacity; Trash racks; Trash Rack Cleaning Machine alongwith other related equipments
Status	COMPLETED
Challenges & Achievements	The project faced logistic difficulties as the average road width was of 5 M.  Almost 350 foreign workers were deployed due to non availability of skilled local manpower.  OMIL was awarded a bonus of 25% of the total contract value for early completion of work.







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# **UPPER KRISHNA PROJECT (ALMATTI DAM)**

Project	Hydro Electric Power & Irrigation Project
Client	KRISHNA BHAGYA JAL NIGAM LTD. (Govt. of Karnataka)
Location	BIJAPUR, KARNATAKA
Type of Project/Scope	Design, Manufacture, Supply, Erection, Installation and commissioning of 14 Nos. Radial Crest Gates of size 15 M x 15.24 M with Hydraulic Hoist of 115 T capacity (each), alongwith complete Automation including SCADA PLC based Remote Control System and CCTV surveillance equipment.
Status	COMPLETED
Challenges & Achievements	Installation works completed in challenging compressed program in order to cover delay in completion of civil works and political challenges.







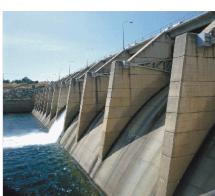
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#### DOYANG HYDRO ELECTRIC PROJECT

Project	75 MW Hydro Electric Power Project
Client	NEEPCO LTD. (Govt. of India)
Location	NAGALAND
Type of Project/Scope	Design, Manufacturing. Erection and commissioning of Radial gates 12 M X 12 M, with Rope Drum Hoist, Intake gates, Trash Racks and other allied works.
Status	COMPLETED
Challenges & Achievements	Remote and inaccessible site conditions had posed logistical and HR challenges in execution of works besides successfully facing local disturbances of the Nagaland region.







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#### RANGIT HYDRO ELECTRIC PROJECT

Project	60 MW Hydro Electric Power Project
Client	NHPC LTD. ((Govt. of India)
Location	SIKKIM
Type of Project/Scope	Design Fabrication, Supply, Erection, Testing and commissioning of 3 Nos. Spillway Radial gates of size 9 M x 12 M with 19.4M water head, Intake gates, Desilting Chamber Gate, Silt Flushing Gate, Surge Shaft Gate of size 3.5 M x 3. 5 M and design Head of 58.2 M, Draft Tube Gates, Trash racks and Trash Rack Cleaning Machine including all their hoisting and control systems.
Status	COMPLETED
Challenges & Achievements	Works completed under challenging installation schedule and logistical difficulties of site approach and location.



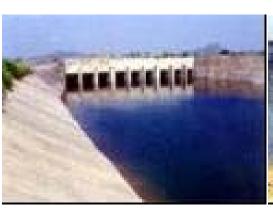




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#### SARDAR SAROVAR CANAL

Project	Multi Purpose Project
Client	SARDAR SAROVAR NARMADA NIGAM LTD. , Govt. of Gujarat
Location	GUJARAT
Type of Project/Scope	Complete works including manufacturing, supply, erection, testing and commissioning of all hydro-mechanical equipments for Main Canal from 0 to 82 km and 82 to 144 km. Branch Canals of Luwara, Dora and Vadodara Branch Canal.  Work included several Radial Gates of size 10M x 8M and also Vertical Gates operated using Rope Drum Hoists.
Status	COMPLETED
Challenges & Achievements	Innumerable number of sites spread over more than 500 square Km area posed severe logistic difficulties.







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#### **SOM KAMLA AMBA DAM**

Project	Irrigation project
Client	Government of Rajasthan
Location	DUNGARPUR, RAJASTHAN
Type of Project/Scope	Design, Fabrication, Supply, Erection, Testing & Commissioning of 13 nos Radial Gates of size 15 M x 12.70 M including embedded parts electrically operated Rope Drum Hoists of 90 Ton capacity with all control equipments, Hoist Bridge, etc. including Stoplog Gate and Gantry Crane of 30 T capacity
Status	COMPLETED





