



YOU DREAM WE CREATE



www.pnrgroup.in

P&R INFRAPROJECTS LTD.

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www.pnrgroup.in (July-12)

STEEL STRUCTURE | HYDRO | THERMAL | CIVIL | IPP



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Corporate PROFILE

Mr .Paveljeet Singh (B.E. Mechanical) is the founder and Managing Director of P&R, a company providing complete services in Steel Structural Engineering ,Thermal & Hydro Power Projects & Civil Projects.

From a tiny acorn in 1986, today P&R has grown into a giant oak with an annual turnover of USD 25 Millions serving Private and Public Sectors, Indian and Overseas. Utilising the most modern construction equipment and technology, with high degree of expertise and substantial in-house resources, employing around 500 people in its permanent cadre, while at any time engaging more than 5,000 locally employed staff and workers at various project sites.

P&R's pursuit of excellence and adherence to quality has earned itself The Quality System International Standard, ISO 9001: 2000 from TUV Austria. P&R is a most versatile construction organization, ready to take on new challenges and be recognized by our esteemed clients as a dynamic and professional organization and to be a leader in the services P&R provides.

The Company secured a distinct place in Heavy Steel Structural work of Bridges, Flyovers, ROBs, Stadiums and Power Houses to small Hydro Power Projects, Penstock Coal Hoppers, Storage Tanks etc.

P&R has been ranked at No. 38 amongst the India Fastest Growing Mid-Size Enterprises by the Magazine INS India 500 in the Survey of more than 5000 Companies. In the sector wise ranking it is at No.8 in the Construction Sector with a 3 Year Growth rate of 80%.



“To accomplish great things, we must not only act, but also dream; not only plan, but also believe.”

Mr. Paveljeet Singh
(Managing Director)

Vision & MISSION

VISION :

To be the Company of choice for our Clients in our Global markets, for all our business, driven by entrepreneurial spirit, cutting edge technology and execution excellence.

MISSION :

We will deliver reliable, high-quality solutions for Global Infrastructure and Undertaking Complex Job with Deployment of innovative trend setting technology.



Core VALUES

PERFORMANCE

We are here to make a valuable difference and we will make it happen against all odds.

PASSION

We are differentiated by our 'Can Do' attitude and the fire in our belly.

TEAMWORK

We can gain from the diversity within our Group by sharing knowledge and resources to achieve individual and collective success

AGILITY

We understand needs and respond with speed and precision

RELIABILITY

We are trustworthy and reliable, in both thought and action





Steel **BU**PER STRUCTURE

Supporting The Industry's Future

DESIGN

We Make It Easy For You

Our design team consists of Engineering professionals, construction experts and project estimators to meet all the requirements for the construction of the project. The finalization and optimization of the structure is done as per the budget allocated for the project. Our experts and experience allow us to meet the tight deadlines to complete the projects in stipulated time frame with quality standards set by ASME, RDSO & ISO.

ESTIMATE

Locked In and Guaranteed Pricing

Once the design drawings of the project are finalized, our engineering team will determine the bill of quantities (BOQ) and prepare the estimated time taken and costing of the project. Our team makes sure to make most of the raw material by reducing the wastage to the minimum levels. Our estimation expertise enables us to stay ahead of the project schedules, manage cost and prepare the project financing.

Jawahar Lal Nehru Stadium at New Delhi



Arch Foot Over Bridge at New Delhi "Winner of Best Completed Project Award CPWD"



ENGINEER

Precision Specifications

After the estimation and planning of the structure our technical services department completes the detail engineering of the project which includes preparing Quality manual for fabrication, fabrication drawings, erection methodology, any detail calculations required for successfully launching the superstructure and getting approval from the same from the concerned departments. We plan our work in a manner to achieve the maximum utilization of our manpower and machinery thus obsoleting the unwanted expenses.





Bridge Over Bhakra & SYL Canal at Bharatgarh

BUILD

Quality Construction

The time frame and accuracy of fabrication of steel superstructure is critical to our project while maintaining the quality standards of ASME, RDSO & ISO. We have highly proficient team at our workshop and various work sites who are experts in their relative fields like welding, cutting, fitting, drilling, assembling, painting and other associated works related to steel structure. We have highly advanced machinery in our work shop like CNC Cutting, Automatic H-Beam fabrication plant and CNC drilling machines which delivers us high output of quality and quantity yet utilizing very less work force and reducing the lead time taken by manual means. Timely completion of work is important essence of our work force. We ensure to complete the work in or before stipulated time which reduces cost of the project and thus increasing the financial profit.



BENCHMARKS

- Jawaharlal Nehru Stadium Project for Commonwealth Games, New Delhi.
- Thyagraja Netball Stadium, New Delhi.
- Vellodrome at Indira Gandhi Stadium, New Delhi
- Rail Cum Road Bridge on river Ganga at Munger, Bihar.
- Flyovers at Mukarba Chowk, Raja Ram Kahli Marg and Apsara Border Intersection.





HydroPOWER

To Operate With Confidence,

You Need A Technical Expert You Can Count On

DESIGN

We have attained proficiency in "Design, Fabrication and Erection, Testing and Commissioning" of heavy duty Penstocks with high strength steel plates. The Company has to its credit robust record of installation of large size penstock and steel liners in underground situation of vertical shafts and steeply inclined long tunnels upto 7 meters of diameters and 68 mm thick HS Steel Plates with a test pressure upto 134 kg/cm².

TECHNOLOGY

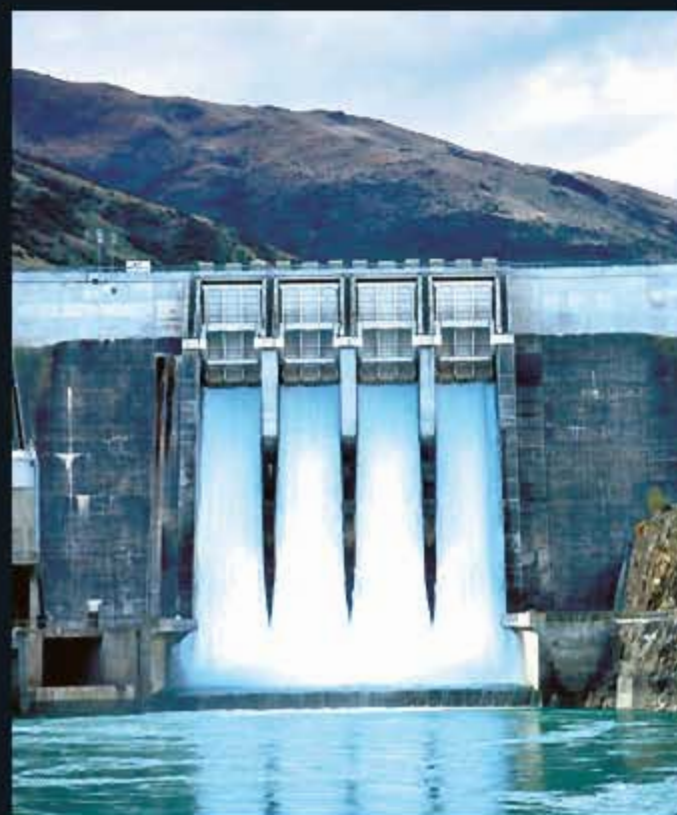
The Company has acquired distinct name in testing of quality and workmanship by its own arrangements for Radiography, UT, and Hydro Testing. The equipments used are of highly Latest Technology, Extensively Tested and Environmentally Sustainable. Our more than 1500 workers are highly skilled and disciplined. We have track record of completing Penstocks projects ahead of schedule.

EPC SOLUTIONS

P&R is a developer and manufacturer of Hydro Electric Power plants on EPC basis in India. We offer various EPC Solutions since 1995, having more than 650 well trained and highly motivated employees all over India working in the segments of Hydro Electric Power plants. Currently P&R is working on 9 MW Hanu and 9 MW Dah Small Hydro Electric Power Projects on EPC basis in the Leh Ladakh region of J&K.

EXPERTISE

- Preparation of Detailed Project Reports of Small Hydro Electric Power Projects.
- Small Hydro Electric Projects on Turnkey Basis.
- Independent Hydro Power Projects.
- Hydro Power Plants, Penstocks, Gates, Trash Racks & Trash Cleaners.



300 MW Alaknanda HEP at Srinagar

BENCHMARKS

The company has executed 40 numbers of hydroelectric projects & contributed to generating a total of 3750 MW of Hydel Power. Our Major Projects Include.

- Tala Hydroelectric project Bhutan of 1000 MW for Bhutan Electricity Board.
- Punulla Pumped storage project West Bengal for 800 MW for Texmaco.
- Teesta Stage V HEP of 510 MW for NHPC.
- Alaknanda HEP of 300 MW for GVK.
- Allain Duhangan HEP Manali of 192 MW for Bhilwara Group.
- Larji Hydel Project of 126 MW for HPSEB.
- Malana HEP of 96 MW for MPCL.



ThermalPOWER

Expertise For A Safer World

THE POWER TO TRANSFORM

P&R believes that availability of adequate power & energy is the key to sustained economic development. In the past two decades remarkable growth has underpinned the essentiality of this industry for the progress in the country. The group is focused on setting up of power generation plants based mainly on Coal manufacturing Plant. We are into a total service provider in the power plant installation works. Today, we assist Global Power Companies and stand tall in the Elite League of Power Plant Players. This drives us into a never ending spiral of growth, achievement and empowerment.

ENERGY SOLUTION

The energy sector is witnessing surging demands owing to the rapid development of all countries. However, effective implementation remains the single largest obstacle in the power sector. Our team augments our power sector capabilities with end to end implementation of power generation projects without any obstacle. This lays one of the main pillars of elevating any country to greater heights and conformity in the world of tomorrow. We provide total engineering, supply of electrical and mechanical equipment, installation services and civil works for the following range of projects.

- Turbo Generator Building.
- Mill Bunker.
- ESP Unit, CWC Liner & Control room.
- Bunker Bays.
- Power House.
- Boiler, Turbine Installation works.



EXPERTISE

The Company has executed structural steel works for more than 16 Thermal Projects contributing to 10569 MW of generation capacity in the country, a significant contributing factor to our nation's present and imminent prosperous future. We have a strong track record of execution and commissioning of projects on time. The projects have been implemented in accordance to the highest quality standards and successfully meet all the stringent measures.

BENCHMARKS

- NTPC Talcher Stage 2 of 500 MW x 2 units.
- DVC Melja Thermal Plant of 210 MW x 3 units.
- DVC Durgapur of 500 MW x 1 unit.
- Korba West Thermal Plant of 500 MW.
- Malwa Thermal Plant of 600 MW x 1 unit.
- Kanti Thermal plant of 195 MW x 2 units.





Civil & Structural CONSTRUCTION

Build... Deliver... Drive...

Since 1986, P & R has become one of the premier civil construction company, thanks to our proven mix of versatility, expertise and passion. Our focus on heavy civil construction has resulted in a wide spectrum of projects, each with its own complex challenges. Our project success spans across all markets. Our expertise in the toughest areas of heavy engineering construction, including specialized expertise in roller compacted concrete (RCC) construction, Rock Excavation, Rock Anchors, Drilling & Grouting Pumped Concrete, bridges and water/wastewater treatment facilities to dams, transit/rail and design-build, has helped us win many contracts. We own and maintain our own extensive fleet of heavy equipment & cranes. P & R has unique ability to self-perform all aspects of complex construction assignments. As a result, we produce high quality projects delivered on time and within budget.

SCOPE OF WORK

- RCC Dam Construction.
- Heavy Gate and Valve Installation.
- RCC Design and Consulting Services.
- Blasted Rock Excavation.
- Structural Steel Fabrication & Erection.
- Tunnels.
- Power House Buildings.
- Hydraulic Concrete Structures.
- Mass Concrete Demolition.
- Foundation Anchors, Bolts and Tendon.
- Anchors.
- Foundation Grouting.



Hydro Electric Project at Mukerian



EXPERTISE

P&R has a reputation for taking on challenging and unique projects of all sizes. Our thirst for new experiences has made us one of the most versatile and dependable company in the market. Our in-house expertise encompasses all facets of the job. We have completed more than 100 large, medium and small sized civil projects for thermal power plants, hydro power plants, penstocks, chimneys, cooling towers, storage tanks, process piping and its instrumentation, bridges, flyovers, ROB, Stadlums etc. and has achieved a cumulative turnover of more than USD 125 Million (INR 750 Crore).

BENCHMARKS

Mukerian Hydel Project is one of the main Hydro Electric Projects in the Northern Region situated in the Hoshiarpur District of Punjab State, India is nearing completion. Apart from that Civil work has been done for many other hydroelectric project such as at Gogripur in Haryana, Loharkhet & Chamoli in Uttarakhand, Brenwar in J&K and Baragran, Khauli, Malana, ADHPL, Bhramganga in Himachal Pradesh.





Independent POWER PROJECTS

Catalysts in Nations Growth

Governments and state utilities mainly in developing economies are delegating the responsibility for power generation to Independent (private) companies. Under Power Purchase Agreement, (PPA) an Independent Power Producer (IPP) is contracted to deliver a specified amount of electrical power by a specified date.

Meeting the conditions of the PPA involves the construction of a new power plant to a tight schedule. An ideal solution is the design and construction of a turnkey power plant including the full operations and maintenance of the power plant. P&R has a growing reputation in this. Our credentials include proven speed in delivering the first power to the grid and an excellent reputation for meeting contract obligations, especially completion dates.



HYDEL PROJECTS

Transforming Water Into Prosperity

P&R generates power from renewable and non-conventional sources such as Hydro, Biomass and Solar. The company's first IPP Project was commissioned in Kashmir. The project name was 7.5 Brenwar Small Hydro Electric Project of 7.5 MW capacity having 3 units of 2.5 MW each at Village Brenwar, District Budgam, in state of Jammu & Kashmir, India.

The company's Second IPP was commissioned in Haryana with the name 2.0 MW Gogripur Small Hydro Power Project at Kamal. It was the first Canal Based IPP in Haryana, commissioned & Executed meticulously by P&R.



Canal Based IPP at Gogripur

BIOMASS PROJECTS

Build A Renewable, Sustainable And Greener World

Biomass – be it solid, liquid or gaseous – is the only renewable energy resource to replace fossil fuels directly. P&R is rapidly expanding in the field of utilizing biomass to produce energy. Agricultural residue, wood waste and other types of organic waste which make up the major part of the biomass used is complemented by biogas. In the coming years, world's consumption of biomass will continue to grow as a source of energy bringing heat and power to both residential and commercial buildings. P&R is currently executing a total log of 15 MW Grid Biomass based power plant projects allotted by PEDA in Punjab state at Anandpur Sahib and Ropar using state-of-the-art technology.



SOLAR PV POWER PROJECTS

Join The Future. Think P & R

We are committed to provide a strong renewable energy platform to power a greener tomorrow. Today, we are blessed with the power to dream, the energy to perform, Technology to simplify, and engineer newer ways of development. P&R is executing a 10 MW Solar PV Power Projects in the state of Rajasthan and Bihar.





Workshop HEAVY FABRICATION State-Of-The-Art Plant

P&R has set up a state-of-the-art Imported Automatic Assembly Plant, spread on an area of twenty acres at district Ropar in State of Punjab of India. The Plant has most modern infrastructural facilities and latest technology made with association & collaboration of renowned International Experts for undertaking fabrication works of all types of steel structures with a world class quality and workmanship standards.

The Plant is recognized and approved by Government agencies like Research, Design & Standards Organization(RDSO) of Indian Railways Lucknow, Central Public works Department (CPWD), Delhi Public Work Department (PWD), IRCON, BHEL, NHPC, NTPC, EPI, HPSEB, PSEB, National Highways, Delhi MCD and the prime contracting firms like HCC, AFCONS, GAMMONS, JMC Projects, SHAPOORJI PALLONJI, LARSEN & TOUBRO etc.

The present work load with the Company, to be completed in the next two years is to the tune of USD 110 Millions. The Plant has an output capacity 3000 MT per month of structural steel fabrication of highest standards of workmanship.

FACILITIES

The company has developed in house facilities in rendering conceptualization, designing & fabrication services for the various engineering projects such as :

- Small Hydro Power Electric Projects.
- Hydro mechanical works of Penstocks, Gates, Trash Racks, Trash Cleaners & Appurtenances for all sizes and magnitude of Hydro Power Projects.
- Steel Bridges, Flyovers, ROB's, RRB's and FOB's.
- Structural Steel works for Sports Stadiums.
- Structural Steel work for Buildings and Industrial Sheds.
- Structural Steel works of Buildings and Structures of Thermal and Hydro Power Projects.
- Design and fabrication of EOT cranes, Powerwinches, Aerial Rapeway systems and specialized Goliath cranes for erection of Bridge structures.

PLANT & MACHINERY

The Company possesses sophisticated Construction Machinery, Plant & Equipment like Crawler Cranes, Mobile Cranes, CNC Cutting Machines, Auto H-Beam Plant, CNC Drilling machines, SAW machines, MIG -Welding sets, Plasma Cutting machinery, High Capacity Bending Roles, Concrete Batching Plants, Concrete Pumps, Excavators, Air Compressors, D.G. Sets etc. valuing more than USD 13 Million.

“Common Wealth Games Held in India in 2012, all the Massive Steel Structures like bridges etc. are made at this workshop About 35000 Metric Tons of steel structures are fabricated & send by road on Trailers in specific time frame.”



Landmark Achievements Of P&R

"Achieving and Maintaining Excellence through Quality and Innovation-In thoughts, processes, approaches and strategies to consistently deliver breakthrough products and services has made us to write success stories of P&R"

Thyagraja Netball Stadium



Fabrication & Erection of Largest Sports Stadium In the Country

Longest Arch Foot Over Bridge at New Delhi

- Steel flues for 279 meter highest chimney of India at NTPC Talcher, Orissa .
- Longest Penstock of 3 k.m. at Brenwar in the sub 10 MW category.
- Fabrication of 1400 MT of Structural Steel works in a single month in a single contract.
- Erection of 2000 MT of Structural Steel In a single month for a single contract.
- 2 MW of continuous dewatering for a period of 2 years at Mukerian Hydel Power Project.
- Longest span of 125 meters of cantilever erection for rail cum road bridge at Munger.
- Fabrication and erection of Main Columns of Turbo Generator building Talcher Expansion Project in a single piece of 40 mtrs length & 50 MT weight first time for a Thermal Power Plant.
- Fabrication and erection of largest sports stadium In the country.
- Longest Arch foot over bridge at New Delhi.

**SUCCESS IS A JOURNEY,
NOT A DESTINATION**



- Commissioning of first IPP Hydel project In Jammu & Kashmir & Haryana.
- Cold Rolling of high tensile plates of 63 mm thk of gr 517 GRF Sumiten Steel Plates.
- Erection of 4.7 m diameter penstock steel liner in 3 No. Vertical Shafts of 180 m depth for Teesta Stage – V Hydro Power Project of NHPC in Sikkim.
- Fabrication & Erection of Penstocks of 7 m diameter for Teesta Low Dam-III – Hydro Power Project of NHPC In West Bengal.

Rail Cum Road Bridge at Munger



Dungapur Thermal Plant

- Fabrication & Erection of Longest Steel Truss of 107 m Span, Weighing 250 mt. for Thyagraja Netball Stadium of Common Wealth Games.
- Erection of Penstock Liner in a Longest Underground 52° Inclined Shaft of 600 Rm Length, for 192mw Allain- Duhangan Hydroelectric Power Project in Himachal Pradesh.
- Erection of Inclined, Three Dimentional Steel Columns, at 72° of 44m Length and Weighing 150 mt, for Jawahar Lal Nehru Stadium for Common Wealth Games using Four Crawler Cranes in Tandem.
- Fabrication & Erection of 110 m Span by Cantilever Push Launching Open Web Girder Bridge, Weighing 950 mt, Across Bhakra Main Line Canal on National Highway between Kharar & Kiratpur Sahib In Punjab.
- First of its Type Tub Girders of 44m Span for Mukarba Chowk Grade Separator at Delhi.
- Longest Steel I-girder of 55 mtr Span, Weighing 70 mt, for ROB at Pathankot.

P&R Esteemed CUSTOMERS



HARISON HYDRO

THEMBU POWER

CHPL

PDC, J&K

REGENCY YAMUNA

KKK HYDRO