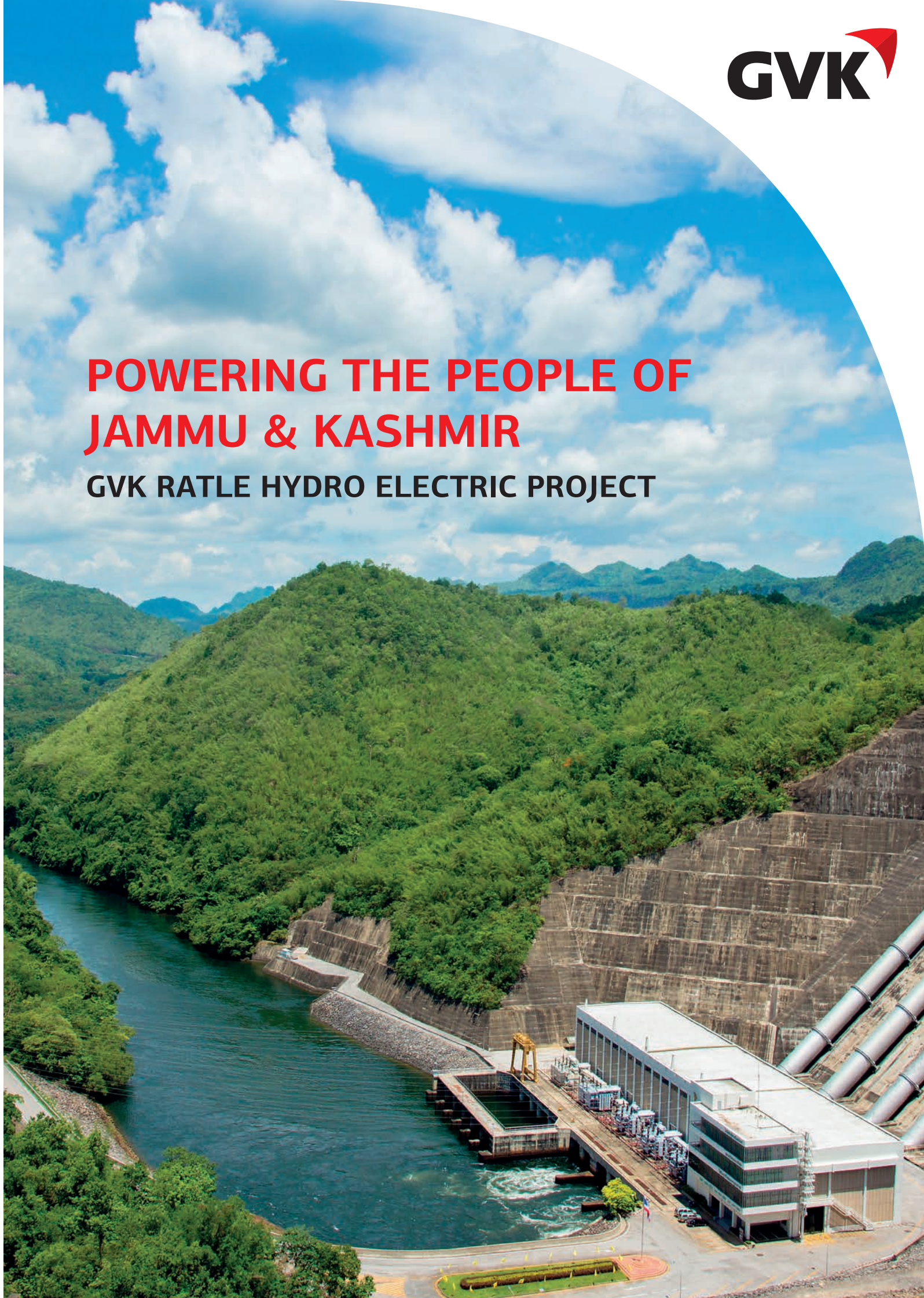


POWERING THE PEOPLE OF JAMMU & KASHMIR

GVK RATLE HYDRO ELECTRIC PROJECT







Dr. GVK Reddy

Founder Chairman & Managing Director, GVK

Message from Dr. GVK Reddy

Power plays a critical role in the progress of any developing economy. And, we in our country are actively pursuing new energy sources that will propel the energy generation. GVK prides in partnering the nation in building a larger energy pool to sustain the growth.

GVK Power and Infrastructure Limited is one of the fastest growing integrated power utility companies in the private sector. It has started to make a significant presence in Power Generation in the states of Uttarakhand, Punjab and Andhra Pradesh.

GVK RATLE HYDRO ELECTRIC PROJECT is an initiative towards generating power through renewable energy sources in the state of Jammu and Kashmir. With significant presence in Power Projects and with a strong track record of the execution and commissioning of projects on time, GVK is progressing towards the commissioning of this project. GVKPIL team has set fresh benchmarks in corporate governance, particularly in the Indian Power Sector.

GVK while pursuing global standards in infrastructural development, will strive to remain a responsible corporate citizen to help build a sustainable society and continue to drive the implementation of our eco-vision programs.



FUELLING THE ECONOMY

Energy is one of the most critical components of infrastructural development that affects economic growth and well-being of a nation. A strong foundation of infrastructure is essential for sustained growth of the Indian economy. GVK, with its efficient power plants and backward integration is committed towards contributing its share towards the country's energy bank.

GVK - POWERING PROGRESS

GVK set up India's first Independent Power Plant and expanded itself to a slew of dual fuel (gas/naphtha based), thermal (coal based) and hydro power projects. GVK has initiated several power projects across the country, with a cumulative capacity of around 6000 MW.

Projects under operation and development

- 850 MW Ratle Hydro Electric Project, Jammu & Kashmir
- 217 MW Jegurupadu CCPP (Combined Cycle Power Plant) Phase 1, Andhra Pradesh
- 228 MW Jegurupadu CCPP Phase 2, Andhra Pradesh
- 469 MW Gautami CCPP, Andhra Pradesh

Projects under construction and development

- 800 MW Jegurupadu CCPP Phase 3, Andhra Pradesh
- 800 MW Gautami CCPP Phase 2, Andhra Pradesh
- 540 MW Goindwal Sahib Thermal Power Project, Punjab
- 2x660 MW Coal based Thermal Power Project, Punjab
- 330 MW Shrinagar Hydro Electric Project, Uttarakhand
- 146 MW Bogudiyar Sarkari Bhyol Hydro Electric Project, Uttarakhand
- 200 MW Mapang Bogudiyar Hydro Electric Project, Uttarakhand





850 MW GVK RATLE HYDRO ELECTRIC PROJECT

Hydro power is environment friendly, non-polluting and renewable source of energy which can mitigate power shortages, provide clean energy and facilitate overall socio-economic growth of the area.

850 MW Ratle Hydro Electric project located on River Chenab in J&K state of India is planned to be developed as Run-of-the-River scheme. It is located downstream of Dulhasti Project and upstream of Baghlihar Project near the village Drabshala in Kishtwar District.

- First Hydro Power Project in the country awarded on tariff based International Competitive Bidding (ICB) process
- Environmental Clearance accorded by Ministry of Environment and Forests (MoEF), Govt. of India
- MoEF and Govt. of J & K accorded approval for implementation of Environment Management Plan (EMP)/ Rehabilitation and Re-settlement (R&R) Plan
- Central Electricity Authority (CEA), Ministry of Power (MoP) Govt. of India has accorded approval for Techno Economic Clearance (TEC) of 850 MW RHEP

SALIENT FEATURES

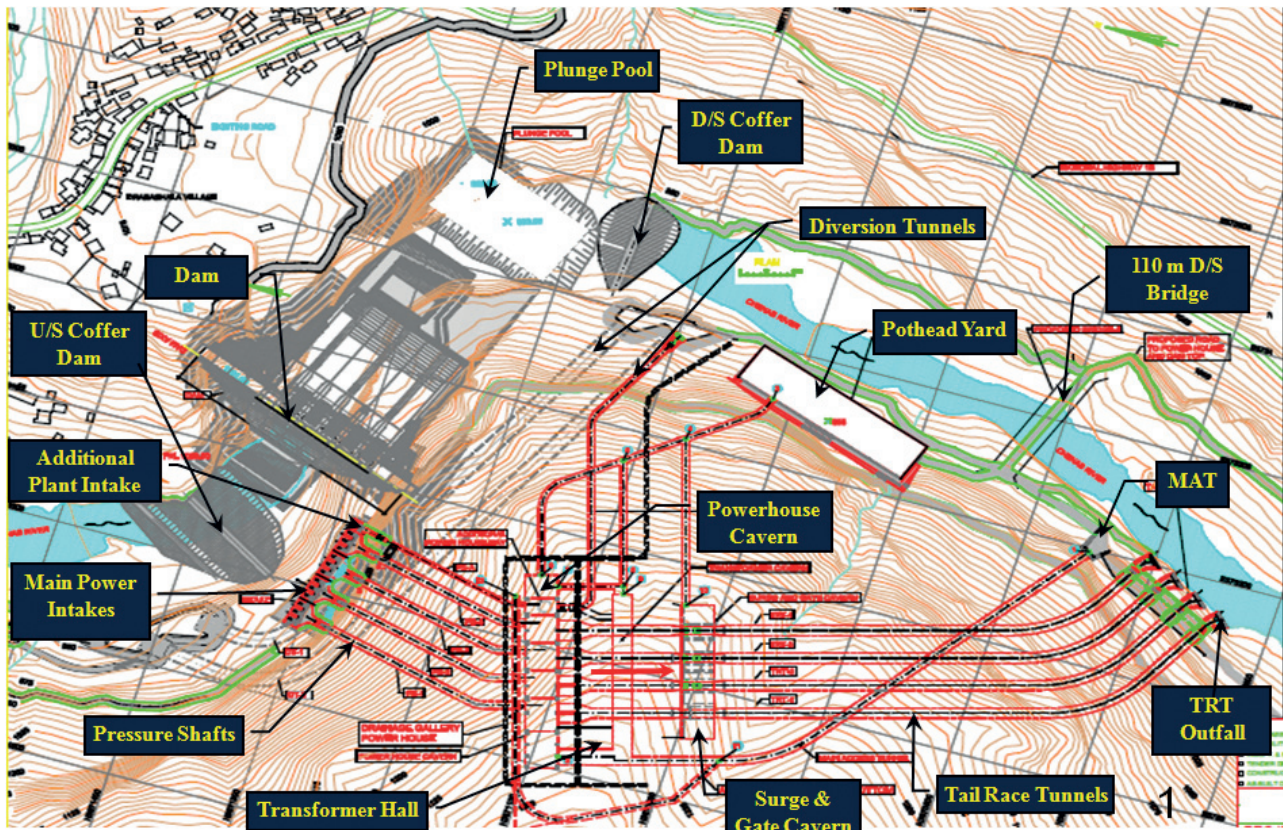
- First Hydro Power Project in the country awarded on tariff based International Competitive Bidding process.
- A 133 m high concrete gravity dam (from the deepest foundation level) located on River Chenab.
- Four numbers main intakes and one intake for auxiliary power house located at the right bank.
- Four numbers main pressure shafts and one pressure shaft for auxiliary powerhouse.
- Underground power house of size 168x24.5x49m housing four number main units of 205 MW each and one unit of 30 MW for auxiliary power house.
- Transformer Cavern of size 142x14.3x22m.
- Four numbers of main Tail Race Tunnels (TRT) having Surge Tank at the upstream end and one number TRT for auxiliary power house.
- The Rated Head for power generation is 97.37m.
- The total Installed capacity of the project is 850 MW (i.e. 4x205+1x30).
- The Design Energy of the project is 3136.77GWh.



GVK RATLE HYDRO ELECTRIC PROJECT SITE PICTURES



GVK RATLE HYDRO ELECTRIC PROJECT LAYOUT



LOCATION

State : Jammu & Kashmir
District : Kishtwar
Village : Drabshala

GEOGRAPHICAL CO-ORDINATES OF THE DAM SITE

Latitude (N) : 33°10'43"
Longitude (E) : 75°48'26"

ACCESS

Access to project site : By road from Jammu, Udhampur and Patnitop
Nearest Airport : Jammu (210 km from Project Site)
Rail Head : Udhampur(140 km from Project Site)



BENEFITS TO THE J&K STATE

- Overall economic and social development of the region
- Employment generation in the state
- Increase in quality of life for citizens
- Upfront Premium of Rs. 42.5 Crores
- Free power of 16% (15% plus 1 % for LADF)
- Power of 55% after netting off free Power at levelised tariff of Rs 1.44 per Unit for a period of 35 years from COD
- 62.2% of total Power including Free power of 16%
- The project will revert to the State after 35 years of operation of the power plant

GVK RATLE HYDRO ELECTRIC PROJECT

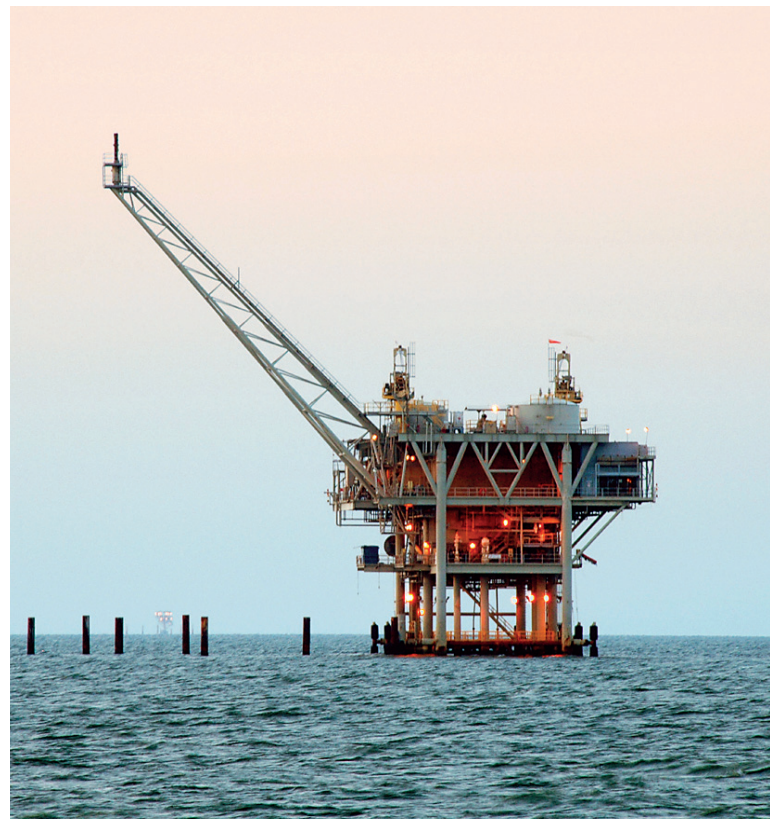
Benefits to the people around the location

- R&R plan in support from the Govt. of J&K for the Project Affected Families has been formulated as per the provisions of NRRP-2007
- A sum of Rs. 110 Crores has been earmarked for the benefit of PAFs (Break-up: R&R Plan – Rs.20 Crores, Infrastructure Development – Rs. 30 Crores, Skill Development – Rs. 30 Crores, and CSR Plan – Rs. 30 Crores)
- 240 project affected families will get necessary benefits as per the plan
- Each displaced family gets Rs. 1.25 Lakh in addition to the compensation of structures
- Project Affected Families who are losing Shops, Cattle sheds and Water Mills will get financial assistance in addition to their compensation.
- Rs. 10,000/Kanal will be paid to private land owners over & above the compensation of land
- Employment provisions based on skills and availability

Benefits under the LADP/CSR/SDP

- Infrastructure development in the adjoining villages
- Training courses for eligible youth from Project Affected Families
- Vocational training and computer courses
- Drinking water facilities
- Community centers
- Non grid power to affected villages
- 10-bedded hospital
- Model school
- Community toilets
- Drainage system
- Skill development and Literacy Development Program etc.







GVK CONNECTING. POWERING. ENHANCING.

GVK is amongst India's largest conglomerates with experience and expertise spanning diverse areas such as energy, resources, airports, transportation, hospitality and life sciences. From setting up India's first independent power plant and building the first privately operated six-lane expressway road project, to developing and operating two of the busiest airports in the country and also creating landmarks in hospitality, GVK's diversified businesses form a multi-pronged effort to keep the nation abreast in the world arena. GVK has effected a total investment of over Rs.15,000 crores (USD 3.3 billion) and has projects in the pipeline worth over Rs.30,000 crores (USD 6.6 billion) in India. After acquiring Australian Coal Mines in Queensland for USD 1.26 billion, GVK envisages an investment of USD 10 billion in mine, rail and port project. GVK's 44,000 strong workforce rises to every challenge and ensures timely execution of world-class projects.

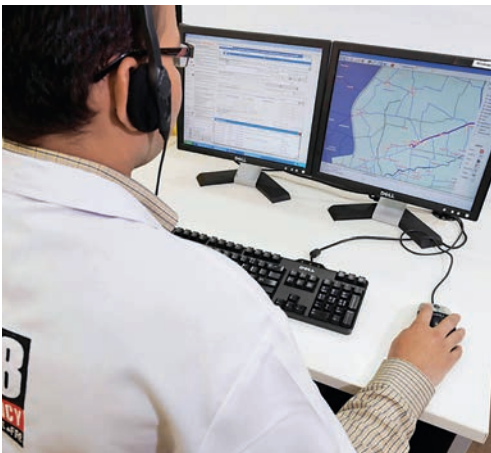




SAVING LIVES NATIONWIDE

GVK Emergency Management and Research Institute

GVK EMRI is one of the most significant social initiatives of GVK. It is a non-profit organization based on Public Private Partnership model and is the world's largest emergency response service provider. It attends to every emergency; be it a medical crisis, a law and order situation or a fire disaster. It provides services at par with global standards and follows modern principles of management and leadership to serve the nation.





COMMITTED TO BUILD A BETTER WORLD

Activities of GVK Foundation

GVK is committed to provide an enriching quality of life by ensuring a holistic development of the community in the geographical spread that it operates in and beyond. GVK endeavours to propel the society on its growth path. GVK reaches out to the masses through GVK Foundation which runs many national level development programs like providing emergency response services, education, housing for under privileged people, health and hygiene, community-based programs, empowerment and entrepreneurship development, arts, music and sports.





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