NANGIA & CO LLP

CHARTERED ACCOUNTANTS

Government & Public Sector Services

About us

Nangia & Co. is a Trusted partner for developing & managing E-Governance opportunities in key growth sectors and provides impact consulting services, project structuring & designing. Team Nangia Andersen LLP brings strong credentials in Socio economic & financial consulting & consulting sectors. The leadership team has successful track record of conceptualizing, launching and managing initiatives/ businesses that have proved to be path-breaking.

Our approach is in leveraging global learning and local understanding, and our strong knowledge base delivered through a dedicated government consulting practice seeks to provide integrated and in-depth consulting to our clients. Our engagement starts as an innovative program management, project structuring & financial modeling along with our associate partners. We work with government and the public sector agencies to monitor and evaluate projects across Socio-Economic sectors as public health and nutrition, employment and skill development, Labour welfare, women & child, industries & Commerce, Tourism, and other projects related to E-Governance of the state.

The NAC team of qualified professionals and associates from different streams ranging from social studies, economics, finance, public policy business administration and Technology with national and international work experience and understanding of best practices in this domain are involved in various Projects. Quality of our people is the cornerstone of our ability to serve our clients. For this reason, we invest tremendous resources in identifying exceptional people, developing their skills, and creating an environment that fosters their growth as leaders. From our newest staff members through senior partners, exceptional client service represents a dedication to going above and beyond expectations in every working relationship.

We strive to develop a detailed understanding of all our clients business and industry sector to offer insights on market developments and assist our clients develop effective strategies and business models. We have the resources and experience necessary to anticipate and competently serve our clients. We take pride in our ability to provide definite advice to our clients with the shortest turnaround time. In India, Nangia Andersen LLP has India coverage with offices in Noida, Delhi, Gurugram, Mumbai, Dehradun, Bengaluru, Chennai and Pune. Nangia Group has been in existence for around 40 years and has been consistently rated as one of the best Financial advsiors in India.

Service offerings for Government

Social Impact Consulting -
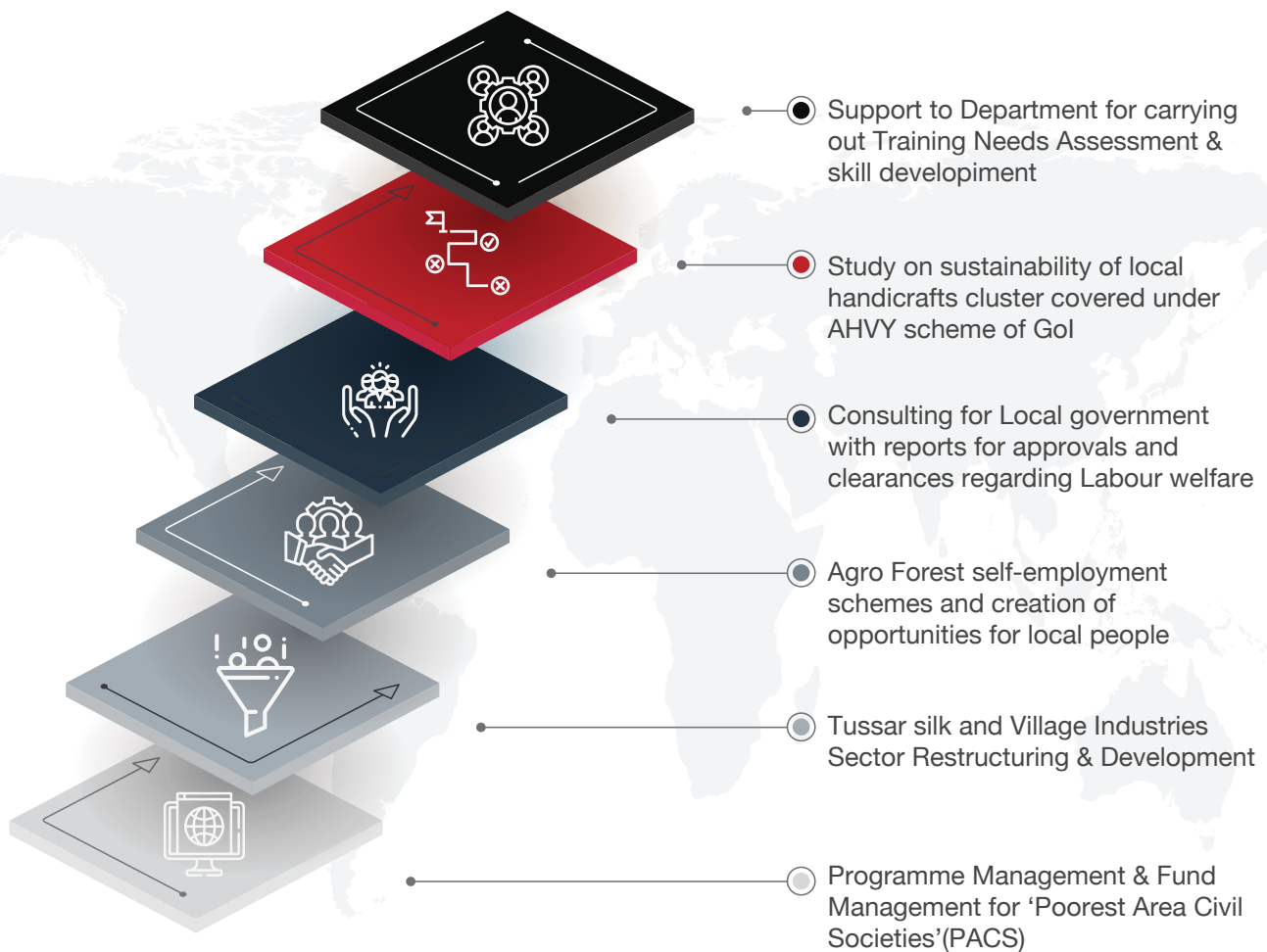
Equal opportunity
for core human rights

- Labour welfare Employment and Training
- Agriculture and rural development
- Food security & distribution
- Women & Child Development
- Health Care
- Empowerment of socially excluded groups

Labour, Employment and Training

Development-induced displacement has forced the indigenous populations of states to abandon their traditional source of livelihood and join the modern economy.

- Support to Department for carrying out Training Needs Assessment & skill developiment

- Study on sustainability of local handicrafts cluster covered under AHVY scheme of GoI

- Consulting for Local government with reports for approvals and clearances regarding Labour welfare

- Agro Forest self-employment schemes and creation of opportunities for local people

- Tussar silk and Village Industries Sector Restructuring & Development

- Programme Management & Fund Management for 'Poorest Area Civil Societies'(PACS)

Nangia & Co LLP provides consulting Services in the areas of policy development, restructuring, organizational development, service delivery improvement, human resource management, feasibility studies & programme management

Labour welfare, Employment and Training

- Enhance employment opportunities and employability of youth
- Create skilled youth for self employment & entrepreneurship
- Career counselling and vocational training means to achieve the above objective
- Strategy plans for Linking local industries with employment and training institutions
- Implementation of all initiatives to be driven by the States to get more industries
- Identify Central Government schemes to support States by providing appropriate frameworks, best practices
- Establish ITI's and skill development centres as per the local environment
- Help government in enhancing lucrative environment for industry setups
- Enhancing employability of and entrepreneurship in youth
- Upgradation of skills of existing workforce
- Mainstreaming informal skills
- Meeting the emerging skill needs of industry

> The government will create seven million jobs or opportunities for self-employment in the next five years, its manifesto said. As many as 90 per cent of all jobs in industries will be reserved for local youth. The manifesto also promises Rs 1,000 crore for a start-up venture capital fund, which will also create jobs for the youth.

Proposed way ahead

Strategies for Employment Generation

- Employment exchanges to be integrated closely with national policies to ensure employment growth in UP
- Expand employment opportunities in non-agricultural sector
- Planning ways to Attract and retain youth in Agro / farm products processing
- Promote small scale and cottage industries, particularly in rural regions
- Focus on policies to reduce youth & women unemployment rates

Employability

- Certification of in consonance with the current market needs
- Plan on Expansion of vocational/technical courses through industry Partnership
- Encouraging entrepreneurship in vocational training strategies
- Strategy on vocational training for women
- Customised skill development training for local population
- Developing skills for Global markets/industries

Agriculture and Rural Development

The rural sector is important for the Indian economic development. Our 65% of population is residing in the rural sector and the natural resources and the opportunities of growth are still unexplored. The commercial sustainability of the rural sector is very important and is possible through education and awareness, where technology can play an important role through the internet and connectivity. Our team works closely and highlights the common building blocks required for successful implementation and the relative strengths and weaknesses of different approaches.

The Rural Development and Agriculture team excels in government policies that provides benefits to the rural India in the broad sense. To face the challenges of the rural issues keeping in mind the perspective of fair and balanced Socio-Economic environment development. **We believe and implement revolution of the information technology that changes the people and enhance their livelihood to the outside world with better options**

Since the beginning our team works with & support the department in their agricultural and rural development policies. These policies are at the heart of diverse and vast issues which have a determining impact on rural population. Agriculture and rural areas face many challenges and new expectations, in particular in terms of food safety and security, environment and the development of the rural societies.

Value chain analysis and promotion of agricultural produce

Food safety and security

E-commerce for Rural produced goods

Impact of Environmental policies and climate change

Agricultural & Rural Socio-economic Schemes-Health, Education & worker's welfare

We work on the strategies for the development of rural sector where large population lives and work for their livelihood:

Technology, connectivity, internet -move towards Smart Village

In partnership with academics and local experts we work to ensure the quality and the relevance of the policies & impact evaluations. Our team ensures first-hand data collection, such as household survey, using tablets in various districts, the online/offline survey is designed according to the local regions
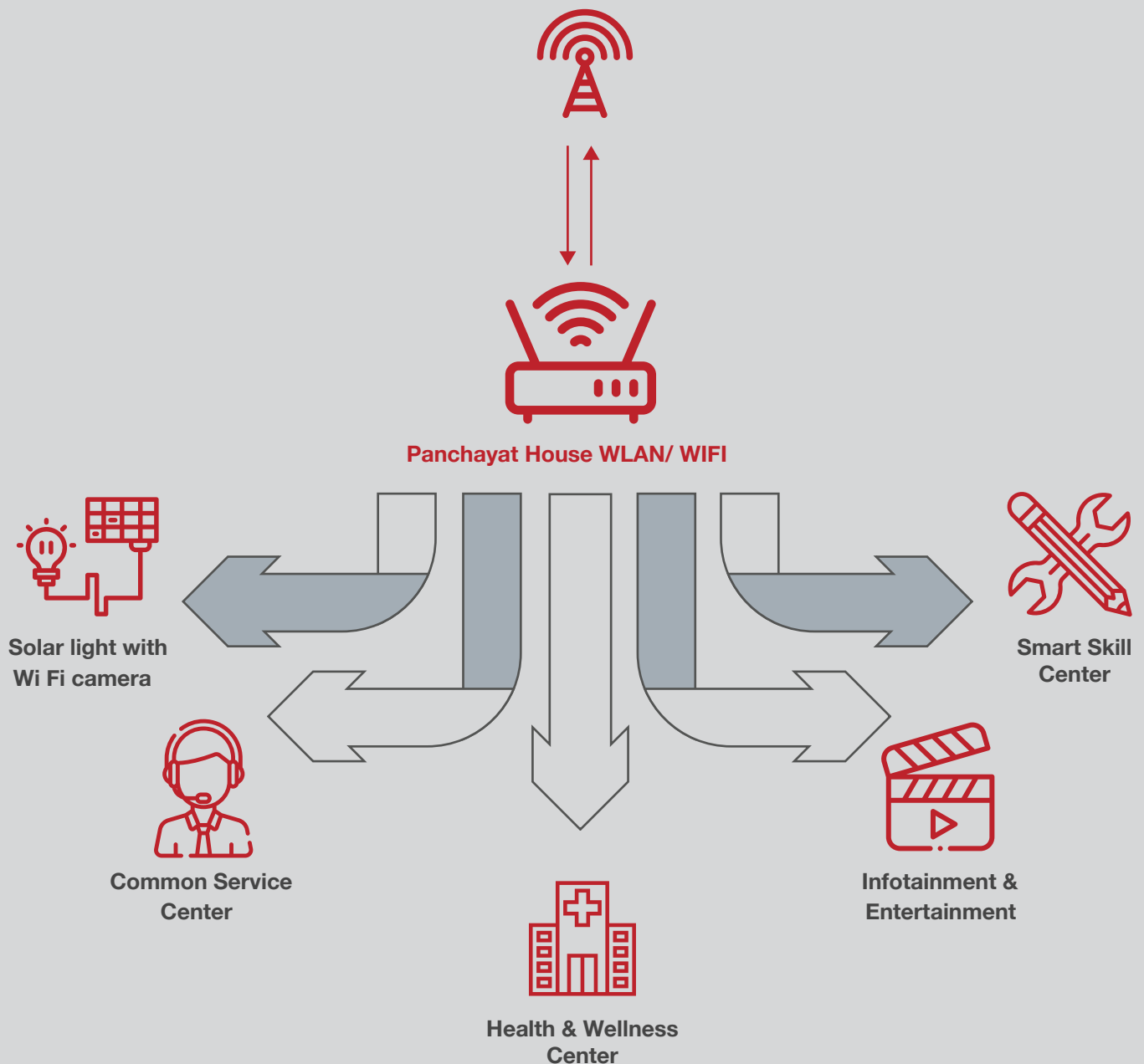
In particular, impact evaluations & assessments enable us to better formulate an intervention, to develop an operational and efficient Monitoring & Evaluation system, to rigorously assess the attributable effects and to under stand what works and how.

Smart village for the next Century

We work closely with the government agencies to transform villages so that they can meet the critical as well as aspirational needs of the villagers. This can be done using innovative technologies and transforming the service delivery models for villages. Transformed villages are called Smart Villages. A result of right methods of using technology and integration of services for delivering access to skills and quality basic services including education, e-health, 24x7 power, safe food, among others.blocks required for successful implementation and the relative strengths and weaknesses of different approaches.

In a way, Mahatma Gandhi conceptualized smart villages A champion of participatory democracy and grassroots development, he believed that making villages self-contained and sustainable was the first step towards empowering India. Contrary to popular belief, he wasn't against industrialization, markets and competition as long as they did not lead to the passive or active exploitation of villagers.

We as Rural development consultants with global experience are taking up this dream of our father of the Nation, seven decades after independence, to realize the vision of empowered villages. Rural India needs all the global amenities a farmer gets in the rest of the world

Panchayat House WLAN/ WIFI

Solar light with
Wi Fi camera

Smart Skill
Center

Common Service
Center

Infotainment &
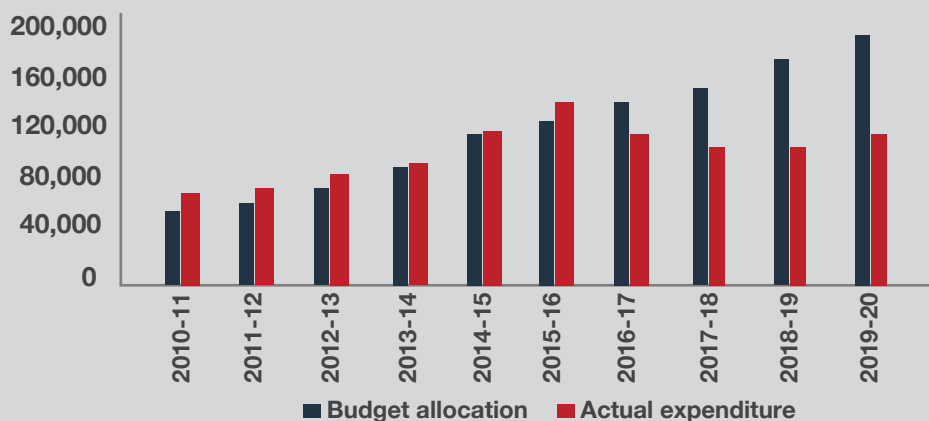Entertainment

Health & Wellness
Center

Food Distribution System

- The Public distribution system (PDS) is an Indian **food Security System** established **under the Ministry of Consumer Affairs, Food, and Public Distribution.**

- The **Central Government,** through Food Corporation of India (FCI), has assumed the responsibility for procurement, storage, transportation and bulk allocation of food grains to the State Governments. The operational responsibilities including allocation within the State, identification of eligible families, issue of Ration Cards and supervision of the functioning of Fair Price Shops (FPSs) etc., rest with the **State Governments.**
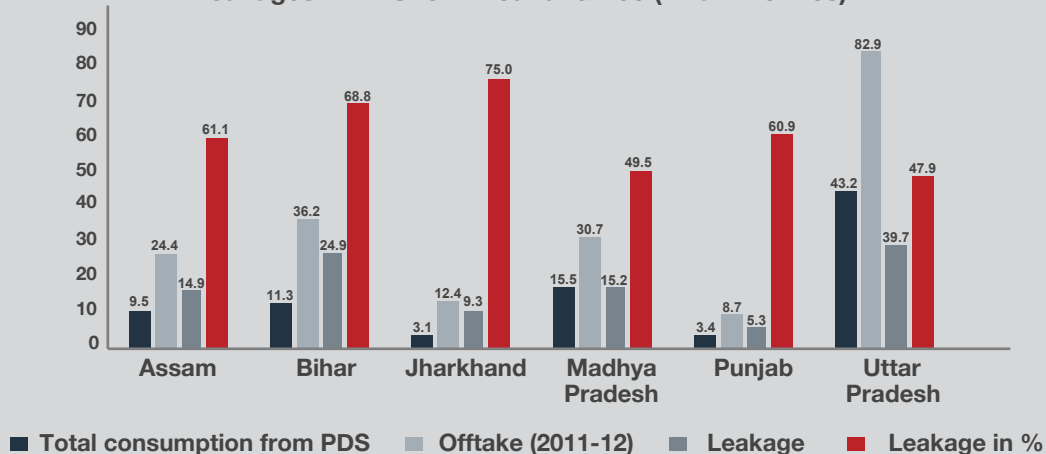
Actual expenditure of the Department vis-a-vis budget estimates (in Rs crore)

Budget allocation **Actual expenditure**

Note: Figures for 2019-20 are revised estimates.
Sources: Expenditure Budget, Union Budgets (2010-20); PRS

Leakages in PDS for wheat and rice (in lakh tonnes)

■ **Total consumption from PDS** ■ **Offtake (2011-12)** ■ **Leakage** ■ **Leakage in %**
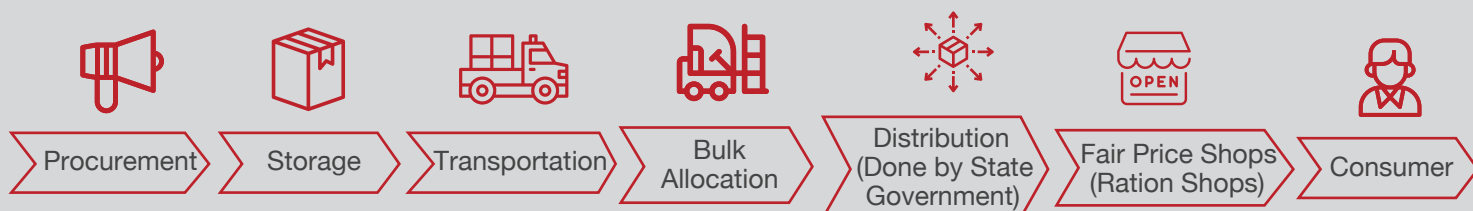
Spectrum of services

- Our offerings include the impact assessment in achievement of and the objectives with a a mix of quantitative and qualitative approach

- Assessment of the state issues and implementation of "Integrated Management of Public Distribution System" (IM-PDS)

- Our expert advisory team will structure and monitor implementation of national portability of ration cards in the state to allow the users to get food grains from any fair price shop (FPS) across the country and keep a tabs on de-duplication of ration cards/beneficiary

- Management of Implementation PDS computerisation in the states including error free creation of database of beneficiaries, online allocation of food grains ,uninterrupted supply chain of food grains with Grievance redressal mechanism in place

- Assistance to state governments on fund management and utilisation Support and provide advisory to the state food commissions as per the guidelines laid for monitoring and review of the implementation of the Act.

- Work with the states to develop the Awareness programme to set up an effective, sustained and intensive awareness among the beneficiary

Central Government

Procurement ⟩ Storage ⟩ Transportation ⟩ Bulk Allocation ⟩ Distribution (Done by State Government) ⟩ Fair Price Shops (Ration Shops) ⟩ Consumer

Issues Associated with PDS System in India
Identification of beneficiaries: large inclusion and exclusion errors. Leakage of food grains: Transportation leakages/Black Marketing Issue with procurement: Open-ended Procurement
Issues with storage: shortfall in the government's storage capacity

Women & Child Development

Over the next decade, the impact of women on the global economy will be significant. Our Consulting team works to ensure health and well-being for every woman & child, we build on what has worked in the past and use what we have learned to overcome existing and emerging challenges

Eradicating social inequalities must be a priority to improve the health of the country, says the UN

Government policies & Schemes

Although there are Central government's 135 welfare schemes for women empowerment, & State government's about 451 schemes (combined) in their respective state, much work remains to be done to leave no one behind, bearing in mind that health is everyone's right and that women in poverty, ethnic minorities and other social groups are being left out of economic and human development.

- We work closely with the concern department to strengthen the regional and national political will to develop an integrated program for women, and children;

- Major gaps in our system is that the schemes which are being implemented in the rural areas are ignoring women. We work with NRM for the Women empowerment in all their NRM schemes & ensure their benefits to the women in remotest villages. An example can be seen in Water canal system which is being used for agriculture and other uses, whereas women go a long distance to fetch water for home usage.

- Implementation of the schemes related to Women & Child is very important 90% of the time the concern departments in the states are not aware of ways to utilize the schemes .we help them in understanding the relevant schemes, state wise, and draft requisitions for funds from the center for the upliftment of the women in their regions

Education a strategic development priority

Every day, girls face barriers to education caused by poverty, cultural norms and practices, poor infrastructure, violence, and fragility. We work very closely with state governments, and related departments to advance multi-sectoral approaches to overcome these challenges.

With the aim of changing the social attitude towards the girl children in India and uplifting their standing in society, a range of girl child schemes has to be initiated across India. We ensure the implementation of these schemes jointly with government and people of India.

We do gap analysis & reflect on various aspects and on enablers and disablers of girl child education region wise. These factors significantly determine the continuation and completion of education by a girl child. Appropriately execution of education through various governments' schemes is one of the factors that can contribute significantly to girl child education

Health & Nutrition

Accelerate actions to achieve universal health with equality & quality. We work for women monitoring and evaluation of health measures in urban & rural areas

Improvisation & successful implementation of POSHAN Abhiyaan a multi-ministerial convergence mission with the vision to ensure attainment of malnutrition free India by 2022. The objective of POSHAN Abhiyaan is to improve nutritional outcomes for children, adolescents, pregnant women and lactating mothers by leveraging technology for targeted approach and convergence.

Our expert team works on Strategy for Women & Children health & recommends interventions that government schemes can apply to prevent preventable deaths of women & children, including vaccination, adequate nutrition, exclusive breastfeeding, access to safe water and adequate sanitation, education and employment opportunities for women, access to quality health services, and information and access to sexual and reproductive health methods.

Environment & Climate change

- Our study showed that In India we ignore that Women's empowerment is inextricably tied to natural resources and climate change . Our team has analyzed that, women's s work and quality of life are closely intertwined with environmental resources and services more than that of men but & there is little recognition of this in planning and interventions related to NRM or women's s empowerment. As we understand that higher proportion of women, work in the climate-sensitive agriculture and allied sectors. Women carry the main responsibility for providing water food, fuelwood and fodder to their homes.

- A well-endowed environmental structure can be more beneficial to women.

Safety and Security

- We work on the safety and security of women against violence both at home and at work place. A girl child needs security at education institutions, on the road or in the environment they live in.

- Our understanding & strategy for **Nirbhaya funds** and utilization is beyond call center support/mobile for the safety of women in rural & urban areas

Water, Sanitation and Hygiene –WASH

The new Global Framework of the Sustainable Development Goals (SDGs) ambitiously seeks to end all forms of hunger and to provide safe access to WASH for all by 2030. WASH and Nutrition are prominently placed in the 2030 Agenda for Sustainable Development.

We advise and design strategy for implementation of activities and trainings with an aim to enhance the Water Sanitation & Hygiene facilities .This is helpful in creating greater awareness towards behavioral changes among children and community. The trained frontline workers are instrumental to motivate the community members towards achieving the objectives of "Swachh Bharat Mission".
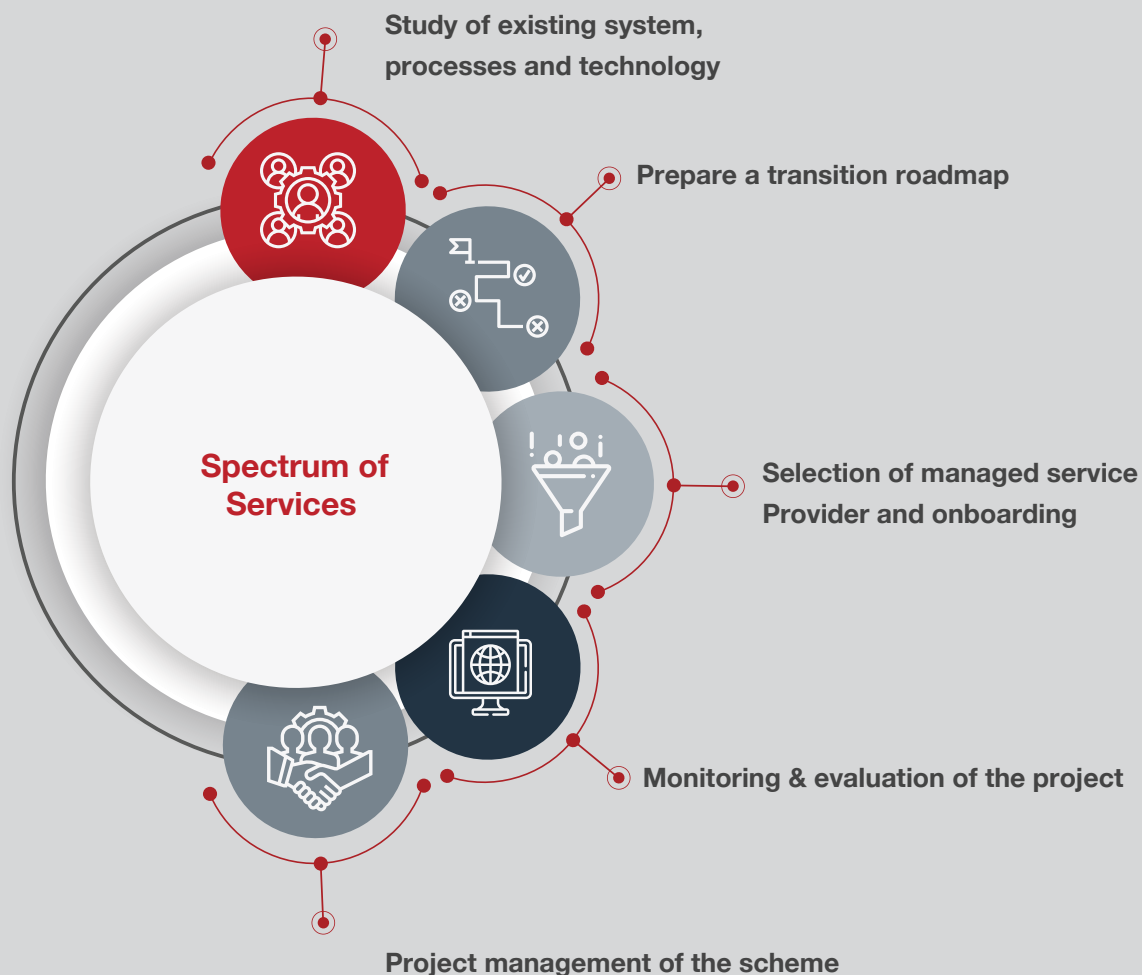
Poshan Abhiyan

POSHAN Abhiyan is Hon. Prime Minister's flagship scheme to improve nutritional outcomes for children, adolescents, pregnant women and lactating mothers by leveraging technology for targeted approach and convergence.

POSHAN Abhiyaan is a multi-ministerial convergence mission with the vision to ensure attainment of malnutrition free India by 2022. The objective of POSHAN Abhiyaan to reduce stunting in identified Districts of India with the highest malnutrition burden by improving utilization of key Anganwadi Services and improving the quality of Anganwadi Services delivery.

The POSHAN Abhiyan empowers the frontline functionaries i.e. Anganwadi Workers and Lady Supervisors by providing them with Smartphones. The Common Application Software (ICDS-CAS) especially developed for this purpose enables data capture, ensures assigned service delivery and prompts for interventions wherever required. This data is then available in near real time to the supervisory staff from Sector, Block, District, State to National level through a Dashboard, for monitoring.

Spectrum of Services

- Study of existing system, processes and technology
- Prepare a transition roadmap
- Selection of managed service Provider and onboarding
- Monitoring & evaluation of the project
- Project management of the scheme

Health Care

The provisions made in the health sector in the General Budget 2020-21 stands to give benefits to states. With this budget, increasing the number of Health & Wellness centers under Ayushman Bharat will enable people to get treatment in the nearest center, while the expansion of Mission Indradhanush will help the local people from many other diseases.

We as advisors to the government can offer Project implementation plans in alignment to the government goals:

Consulting in handling cases like Covid 19- Virus & Bacteria outbreaks pre, during and post measures

Health setup requirement of the rural/urban areas as per the gap analysis/study conducted in the state	Setting up of Comprehensive - E-health centers to overcome the shortage of doctors, and health centers in remote areas	Hospital/medical centers facilities in districts
Plan and structure the Aushadhi centers to provide medicines at these centers.	Community awareness programs for health care- Epidemics, communicable disease, basic sanitation	Study and advise reports on Funds allocation & utilization

Health & wellness centers

HWC are envisaged to deliver wide range of services with a major stress on :

- Maternal and child health care services
- Care for non -communicable diseases, Palliative and rehabilitative care,
- Oral, Eye and ENT care, Mental health and first level care for emergencies and trauma,
- essential drugs and diagnostic services

Approvals under NHM are based on Project Implementation Plans (PIPs) with a goal of Universal sustainable healthcare submitted by state governments and approved by GoI.

E-Health-Centers

With more than one billion population, India is the second most populous country of the world. Even though there have been several digital India initiatives taken by both the Government and the Private sector, the rural and remote areas continue to suffer from absence of quality healthcare services.

This calls for innovative methods of utilization of science and technology for the benefit of our society and telemedicine assumes a great significance to revolutionize the health care system in India by :

Covid 19 rapid tests
in the local areas

Specialist doctors available
on schedule (non-life crucial)

Diagnostic services available
at the Health centers

- USB Stethoscope
- Dermatoscope
- Otoscope
- ECG Machine
- SPO2+NIBP+TEMP
  monitoring
- Blood testing

Telemedicine services will be
given through the existing PHC
throughthe existing para
medics staff

Aushadhi kendras can be
set up in the PHC

OPD at doorstep with expert
Doctors available

Health Awareness Campaigns through the E health centers are organised using technology for health broadcasting schemes & Training the Healthworkers /Anganwaris on Major diseases / epidemics-Symptoms and diagnostics.

Empowerment of socially excluded groups

We work with the government departments in implementation of Policies and strategies to promote empowerment of socially excluded groups in achieving poverty eradication, social integration and self-employment and decent work for all.

Empowering socially excluded groups is a long and complex journey, We have contributed to this process by bringing together communities and their leaders, civil society organisations and other stakeholders on a common platform.

Strategy on the rights and entitlements for the excluded communities in the remote tribal/backward areas , majorly identified as five socially excluded groups to work with – women, Scheduled Castes, Scheduled Tribes, economically marginalised Muslims, and people living with disabilities.

Development of the Tribal/ Traditional Forest Dwellers

The livelihood of more then 100 million tribals stands to improve by the implementation of Forest Rights Act 2006. The communities in the fringe villages of the forest area critically depend on forests for their livelihood, social, cultural and religious needs. Around 89% of communities in these villages are involved in NTFP (Non-timber forest products) collection and income from NTFPs contributes around 25% of their total income.

Building a strong foundation through spect...

Mass reach out programme /mobilisation of communities through awareness about the FRA process

Strengthening of institutional mechanism such as Gram Sabha, forest rights committee (FRC) at village level,the block and district level (SDLC and DLC)

Setting up grievance redressal and trouble-shooting mechanism state level.

Periodical Monitoring and tracing progress at district and state level

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Supreme Court has asked states to free tracts of forest land in possession of people
claim have been rejected under the Forest Rights Act (FRA), 2006 across 16 States.

Power - Today and Tomorrow

- Power Consulting
- Renewable Energy/ Utility Environment

Power Consulting

With India looking at rapid industrialisation and urbanisation over the next three decades, the demand for power in the country is going to increase. The power generation situation in the country has improved in the last few years. In June 2017, the Minister of Power announced that India has become a power surplus country, with no shortage of electricity or coal. Currently, India produces a majority of its energy from thermal sources. However, with the commitment to the Paris Agreement (on climate change), there has been a push towards increasing the renewable generation capacity in the country. With solar and wind power becoming cheaper, cleaner sources of energy have also become affordable.

India is losing Rs 100,000 crore in unbilled electricity. There is a need for studying and understanding the gaps, identify the causes for loses, thefts and leakages. Our power consultants study and create reports regionally as every state has different reasons. India has come a long way since Independence, and the power sector is not an exclusion. From a mere 1.3 GW (Gigawatt) of generation capacity in 1947, the country boasts of the single grid with a generation capacity of about 350 GW as of the end of February 2019.

The solution is smart meters, **Smart meters are crucial for reducing electricity distribution companies.**

Financial health of distribution companies

Smart Grids

The electric grid is more than just generation and transmission infrastructure. It is an ecosystem of asset owners, manufacturers, service providers, and government officials at central, state, and local levels, all working together to run one of the most reliable electrical grids in the world. We work with the officials in structuring and execution plans for strengthening the public and private partnerships, transform, and improve energy infrastructure to ensure access to reliable, secure, and clean sources of energy.

We understand the need of the day as in India the electric infrastructure is aging and it is being pushed to do more than it was originally designed to do. We work with the department for Modernizing the grid to make it "smarter" and more resilient through the use of cutting-edge technologies, equipment, and controls that communicate and work together to deliver electricity more reliably and efficiently. Our complete planning helps to reduce the frequency and duration of power outages, reduce storm impacts, and restore service faster when outages occur.

Our team works very closely with the department and Analysts and synchronise our growth strategy keeping in mind the guidelines laid down by the government
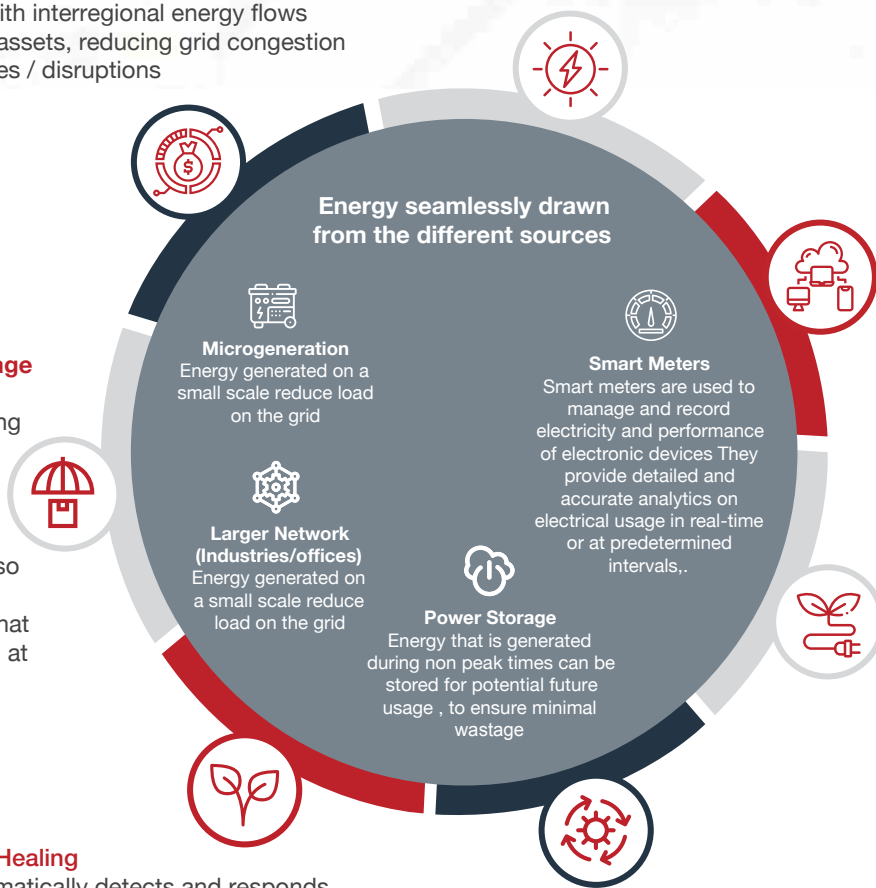
Energy Generation Options
With CO2 emissions on the increase and primary sources of energy running out it is imperative that new sources are found and integrated into the smart Grid . The current electricity grid cannot facilitate energy being drawn seamlessly from a variety of energy sources via a number of distributed technologies , but this is the aim of the smart grid

Asset Optimisation & Operational efficiency
A smart grid will generate more power through the existing systems by optimisation ,reduction of power theft/waste and maximising the distribution of lowestcost generation sources. The Synchronisation of local distribution with interregional energy flows improves use of grid assets, reducing grid congestion and potentially outages / disruptions

Demand Response
Consumer needs are changing, they are moving towards flexible energy , cheaper alternatives and the Microgeneration options, which are not currently facilitated by the electricity grid. The Development of the smart grid and associated "Smart technologies and devices will allow users to have a control over the energy they use

Accommodation all generation and storage
All sources will be interconnected allowing consumers to access renewable/general generated source of energy .
Energy storage will also be available ensuring none is wasted, and that energy can be tapped at a late date should the need rise

Energy seamlessly drawn from the different sources

Microgeneration
Energy generated on a small scale reduce load on the grid

Smart Meters
Smart meters are used to manage and record electricity and performance of electronic devices They provide detailed and accurate analytics on electrical usage in real-time or at predetermined intervals,.

Larger Network (Industries/offices)
Energy generated on a small scale reduce load on the grid

Power Storage
Energy that is generated during non peak times can be stored for potential future usage , to ensure minimal wastage

Power for the next Century
Power outages and quality issues cost business billions every year.
A Smart grid will reduce downtimes issues ensuring everyone can get power when they need it with solutions at both system and consumer levels

Self-Healing
Automatically detects and responds to grid problems , ensuring quick recovery after disturbances , The Incorporation of micro grids also means that affected areas can be isolated from the main network as to cause minimal disruption to services

Power Market
Creating an open market where alternative sources of energy can be sold to customers regardless of location. Microgeneration of electricity will also be a viable source of energy and will potentially contribute a good source of income to local economies

Integrated Energy Storage Systems

There is a prediction that by 2035, developing nations will represent about 80 per cent of the total energy production and consumption, and an extensive share of the required capacity will be derived from renewable sources. While the cost of renewable energy generation has been declining, integrating and efficiently expending the energy resources, especially in areas where the grid infrastructure is inadequate, will require support systems such as integrated energy storage infrastructure. Government of India is also focusing on providing electricity to rural households accompanied with solar power storage solutions. And it plans to install 10,000 micro/mini grids with energy storage in recent year.

Globally the Energy storage market is constrained by various barriers. Our expert team with global technology exposure and experience helps the department in the strategy to implement and install the best designs and technology for energy storage systems. The storage design include a deep understanding of the technology, regulatory framework, investments, value recognition, subsidised financing and availability of skilled and experienced workforce to manage energy storage systems.

Project management services for Power plants

Our Power consulting team has an expertise in project management services for Power plants. We help in setting up a new Power plants - area due diligence, assessment of the available resources, market and work force analysis is taken up for the ease of the organisation.
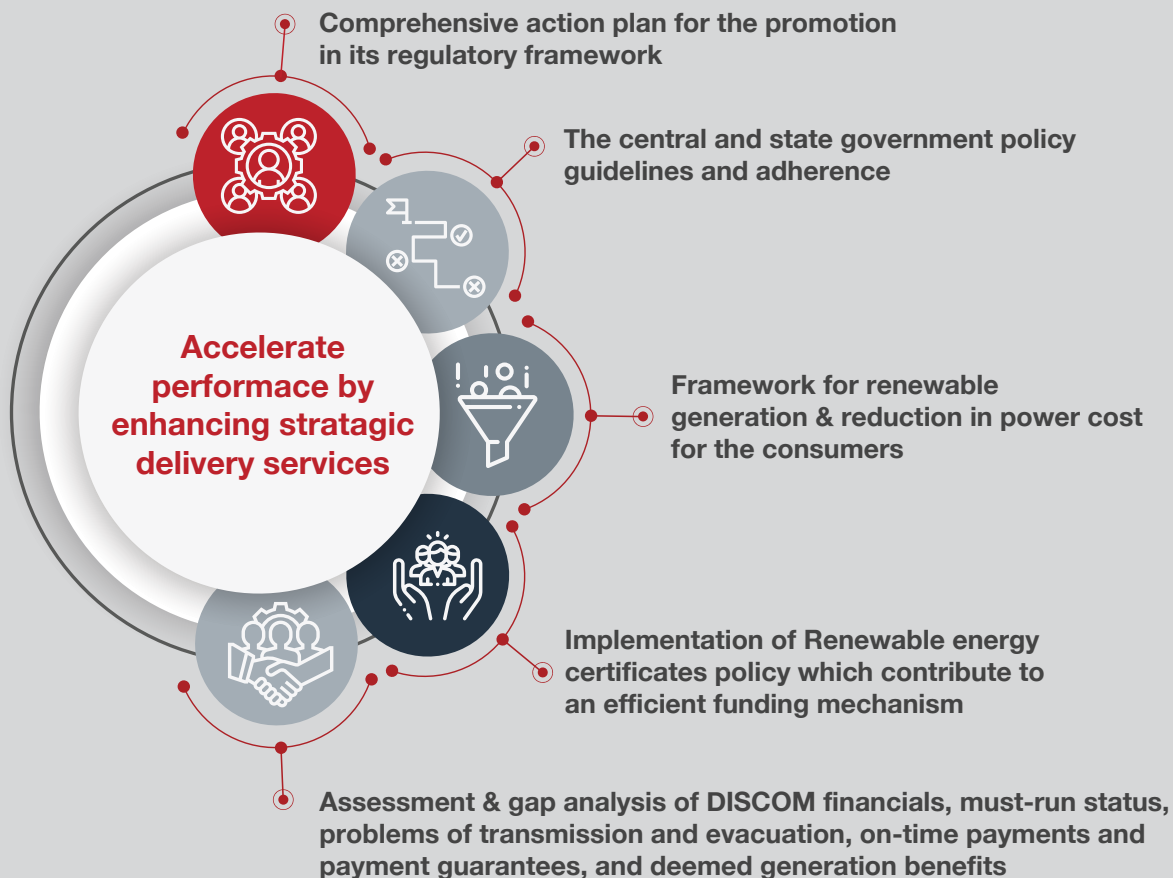
The technical due diligence of stressed power plants is taken up keeping in mind all the phases of the power plant Engineering, Procurement, Construction and Commissioning.

Our team comprises of experienced engineers who have worked with the public sector in their previous avatar. The joint effort with our team and the department is to work on the Project Planning, Engineering, Procurement, Construction (EPC), Engineering and Design, Project Management & Coordination, Contracting & Execution, Cost Control, Resource Optimization and Business Development to name a few. The team has experience of Green field project setup / Brown field expansion and R&M of projects
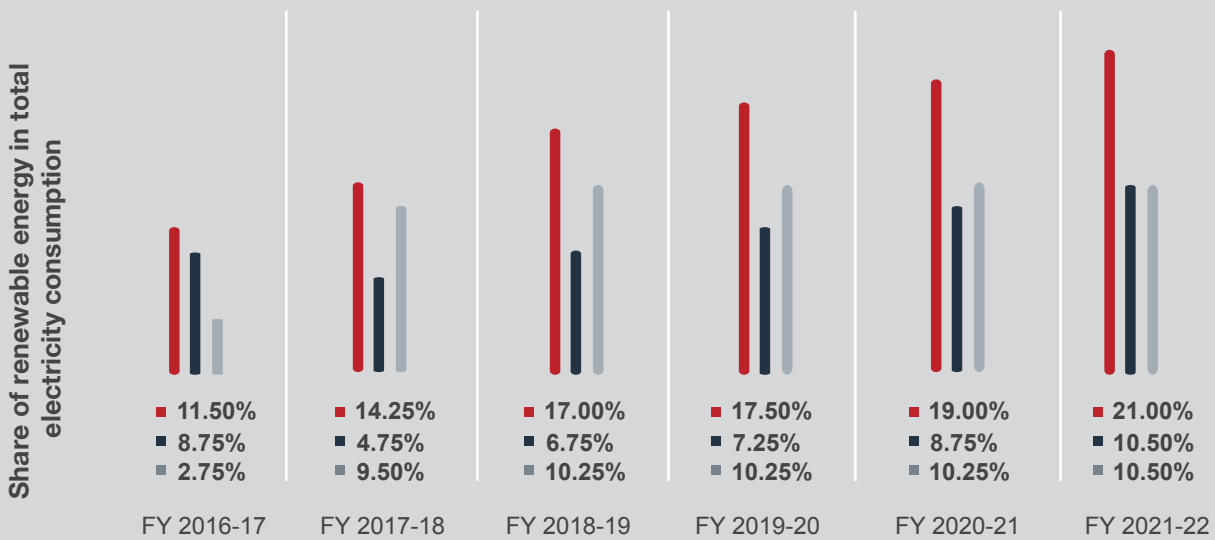
Renewable energy for sustainable development

- Our Expert team aims to provide consulting in development of renewable energy and help in structuring the implementation with significant achievements, prospects, projections, generation of electricity, as well as challenges and investment and employment opportunities

- We identify various obstacles faced by the renewable sector & provide useful information for policymakers, innovators, project developers, investors, industries, associated stakeholders and departments

- Strategies to promote investments & Consulting on Foreign direct investment (FDI) inflows in the renewable energy sector for the state

- Government Policy and other support mechanisms such as Power Purchase Agreements (PPA) play an influential role in underpinning returns and restricting uncertainties for project developers, indirectly supporting the availability of investment. Investors in renewable energy projects have historically relied on government policies to give them confidence about the costs necessary for electricity produced- and therefore for project revenues.

- Employment in the sector –structuring the manufacturing base in India can help in generating more jobs for the locals.

Accelerate performace by enhancing stratagic delivery services

- Comprehensive action plan for the promotion in its regulatory framework
- The central and state government policy guidelines and adherence
- Framework for renewable generation & reduction in power cost for the consumers
- Implementation of Renewable energy certificates policy which contribute to an efficient funding mechanism
- Assessment & gap analysis of DISCOM financials, must-run status, problems of transmission and evacuation, on-time payments and payment guarantees, and deemed generation benefits

Renewable Energy for Sustainable Development

Due to its advantageous location in the solar belt (400 South to 400 North), the country is one of the largest beneficiaries of solar energy with relatively ample availability. An increase in the installed capacity of solar power is anticipated to exceed the installed capacity of wind energy, approaching 100 GW by 2022 from current levels of 25.21226 GW as of December 2018.

Share of renewable energy in total electricity consumption

	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
Total	11.50%	14.25%	17.00%	17.50%	19.00%	21.00%
Non-solar	8.75%	4.75%	6.75%	7.25%	8.75%	10.50%
Solar	2.75%	9.50%	10.25%	10.25%	10.25%	10.50%

Financial Years (FY) : April - March

■ Solar   ■ Non-solar   ■ Total

Target share of renewable energy in India's power consumption

Industrialisation in the New Era

- Industrialisation & Technology
- E-Market place

Industrialisation in the New Era

Post-independence, Indian economy was heavily dependent on the agricultural sector. It contributed to more than 50% to the GDP. Over the years India gradually shifted from agriculture-based economy to the service-based economy. In the recent times it has been noticed that the agriculture sector is again doing well in India, which needs to be strategically developed with other industries

With our Prime Minister's Vision and "Self- reliant India Movement" there is a shift in the development of rural based industry -Agroforest, cottage, and other small-scale industry. Our team has expertise in the policies and guidelines for 'Make in India' an initiative started by the government.

MSME sector is poised for a mega transformation in 2020, with a large financial Package to cater to various sectors including cottage industry, MSMEs, labourers, middle class, industries, among others.

We work very closely with the government agencies in conducting feasibility studies, assessments, implementation and monitoring of the schemes and funds to the citizens for industrial development in rural and urban areas.

As we understand and have seen globally that Manufacturing industry is the backbone for development of the country which effects the GDP, Employment, Import & Export, Domestic consumption etc. A strong strategy implementation with globally acceptable model for the Manufacturing sector helps to develop other sectors like Logistics, Supply Chain, IT Industry, Roads and Infrastructure, Communication etc

We draw our strength from global markets, and advise on the latest market requirements and innovative technology used for production . We help government in pushing SOPs for the manufacturing sector, which helps the industrial produce to be competitive in the global markets, both cost as well as quality wise.

With our global presence and experience we help and develop reports for Indian production for foreign investors to invest and setup manufacturing in India.

Industrialisation & Technology

The digital economy is transforming value chains, skills development, production, and trade globally. The Nangia Andersen LLP Team works closely with the policymakers to effectively assess both the opportunities and challenges that the digital economy presents, to enable industries to prosper in the digital era.

We help and design Industrialization processes that enables government to adopt and strengthen the industries, labour skillsets and capabilities to compete and succeed within the new technological paradigm. Our strategy is around the global demand and supply.

We work on the government policies and guideline to enhance and apply latest state of the art technology to manufacturing production which in turn offer potential to advance economic growth and labour welfare by safeguarding the environment, contributing with an agenda for Sustainable Development.

Although a large number of jobs will be vulnerable to automation as new technologies diffuse across the states and industries. We work with an aim is to create new industries and new job opportunities in more skilled and knowledge based sectors. Rural industries can be promoted with new technology like food packaging, power generation, Agro-forest products like furniture, handicrafts and others depending on the regions with state-of-the-art logistics.

Our Experts advise to work on :

- Developing framework for the infrastructure, to embrace the new technologies
- Fostering demand and leveraging on ongoing initiatives using technologies; and
- Strengthening skilled manpower for the industries by designing skill and training

E-Market place

Our team has been working on E market for Rural produce, where the pec[...]
have to go to marketplace to sell instead a collection point is established [...]
We help the state agencies to design, structure and promote the goods pr[...]
marketing it outside the state, country.

There are many different types of e-marketplace based on a range of busi[...]
broadly divided into categories based on the way in which they are operat[...]

Independent e-marketplace

An independent e-marketplace can be set up for business-to-business on[...]
a state agency

Buyer-oriented e-marketplace

A buyer-oriented e-marketplace can be run by a consortium of buyers to establish an efficient
purchasing environment.

Supplier-oriented e-marketplace

This marketplace is set up and operated by a number of suppliers who are seeking to establish an
efficient sales channel via the internet to a large number of buyers.

Vertical and horizontal e-marketplaces

Vertical e-marketplaces provide online access to businesses vertically up and down every segment
of a particular industry sector such as agriculture, tractor, seeds, fertiliser, construction or water.
A horizontal e-marketplace connects buyers and sellers across different industries or regions.
You can use a horizontal e-marketplace to purchase indirect products such as office equipment or
footwear for rains.

Digital Economy

Digitisation of the industries require a strong efforts to promote a shift to a digital economy.
Our team advises in ways and means for the expansion of formal banking and easy credit facilities
for the local citizens. We work with the government agencies in establishment of industrial corridors,
logistics parks and special economic zones in the regions

Environment, Forest and Climate Change

- Pollution Governance
- Afforestation and Regeneration of Degraded Areas

Pollution Governance

The good news is that we can eliminate much of this pollution with existing technologies and practices, and at a surprisingly low cost - if we strategically invest in infrastructure, services, and incentives. We work closely with the Research teams across the globe and propose cost effective solution for Pollution control - Air Water & Soil and thanks to continuing advances in pollution detection and analytics, we will increasingly have the intelligence necessary to drive positive change.

We can clean up the Environment. We have most of the necessary technology, and we know how to use it. However, a strategic approach accelerating the shift to new ways of powering industry, running households, moving around, growing food, and disposing of waste will require regulation, strategic investments, andcollaboration.

Atmospheric processes need to be mapped and plans are required for pollution mitigation - winds that carry pollution, rains that wash it out, and solar radiation that speeds up chemical reactions - affect the way emissions happen in one place and air pollution affects another.

In order to effectively tackle pollution, we help governments to deploy agile governance to untangle this problem on regular time periods. In many areas water is polluted due to dumping of industrial waste, residential garbage and religious waste, vehicles smoke are the major culprit, but in rural areas traditional ways of burning wood is still common.

With growing environment concerns and our global experience, we offer advisory on a range of control technologies and policy approaches, including setting and enforcing ambient quality standards, emission standards for particular sources such as industries power plants and motor vehicles, and emission trading schemes that have used market mechanisms to bring down overall costs. While air, water pollution-related problems and political contexts differ among cities and nations, we have a shared set of experiences available to learn from.

Environment, Forest and Climate Change

The Ministry of Environment, Forest and Climate Change (MoEFCC) is the nodal agency in the administrative structure of the Himachal Government for the planning, promotion, co-ordination and overseeing the implementation of environmental and forestry policies and programmes.

Spectrum of services

We propose to design and structure the deployment of the technology towards e-protection and conservation of high value forest flora, fauna, forests and wildlife. Since the traditional approaches have not been working that well it's time to put them on steroids, this time in the form of IoT.

We have done project internationally with an aim and emphasis on forest conservation, prevention of deforestation and forest degradation and undertake sustainable management of forests. We advise and manage the enhancement of local community by employment generation and native regional development.

Conservation and survey of flora, fauna, forests and wildlife

Prevention and control of pollution

Afforestation and regeneration of degraded areas

Protection of the environment

Ensuring the welfare of animals

The Ministry of Environment, Forest and Climate Change (MoEFCC) is the nodal agency in the administrative structure of the Himachal Government for the planning, promotion, co-ordination and overseeing the implementation of environmental and forestry policies and programmes.

Spectrum of services

- Environmental Impact Consulting team studies the measures drafted by the government to mitigate the adverse impact/polluting factors. On the basis of the guidelines gaps are identified and the experts assesses the issues relating to land acquisition, diversion of forest land, wildlife clearances, rehabilitation and resettlement along with the concern governing agencies face

- We help in implementing the policies for achieving universal & equitable access to safe and affordable drinking water. Our consulting team work towards improving water quality, ways to reduce water pollution, eliminating dumping and minimising release of hazardous chemicals and materials.

- We also make plans on treating wastewater and increasing the recycling and safe reusability. Aim is to help the state agencies to protect and restore water related Ecosystems

- We Work on pre-emptive tools with the concern authorities to Strengthen resilience and adaptive capacity to Pollution & climate - related hazards and natural disasters, help with climate change measures as per the national policies, strategies and planning. Improve awareness - raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning.

- Our expert team works on the Environment and climate control guidelines and helps the states to formulate & implement plans for ensuring clean environment related to Air, water, Soil & noise

- As we understand Pollution is a matter of concern in cities, as an advisor along with Government we manage and monitor issues related to water pollution, air & vehicular pollution, industrial pollution, improper waste disposal etc. in cities, towns and metropolises.

- Preparation of action plan for Prevention and Control of Air, Water, Soil Pollution & Sewage management and restoration of water quality in aquatic resources by State Governments

- Complete management and monitoring of National emission inventory, Air, water Noise Information for data analysis, help government in sourcing the apportionment studies, set up guidelines for indoor air pollution

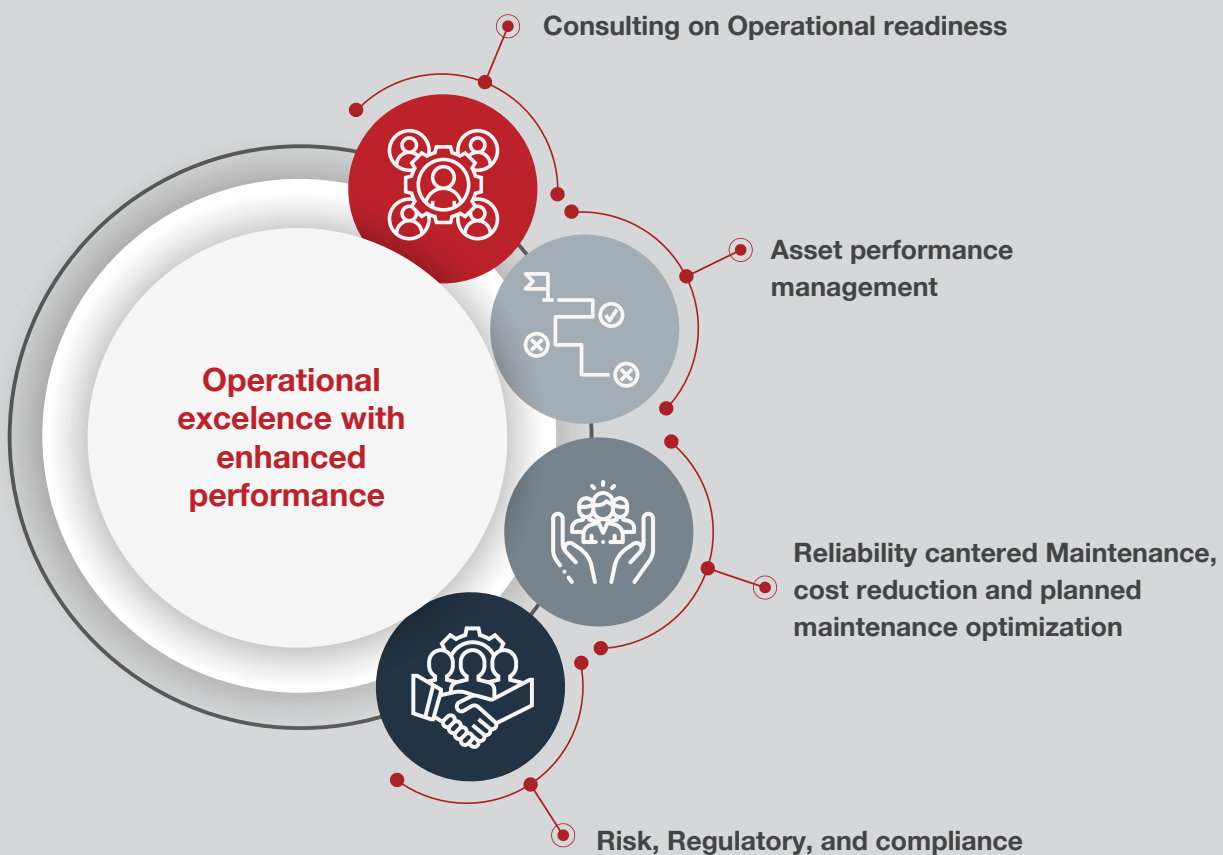# Disaster Mitigation and Disaster Preparedness

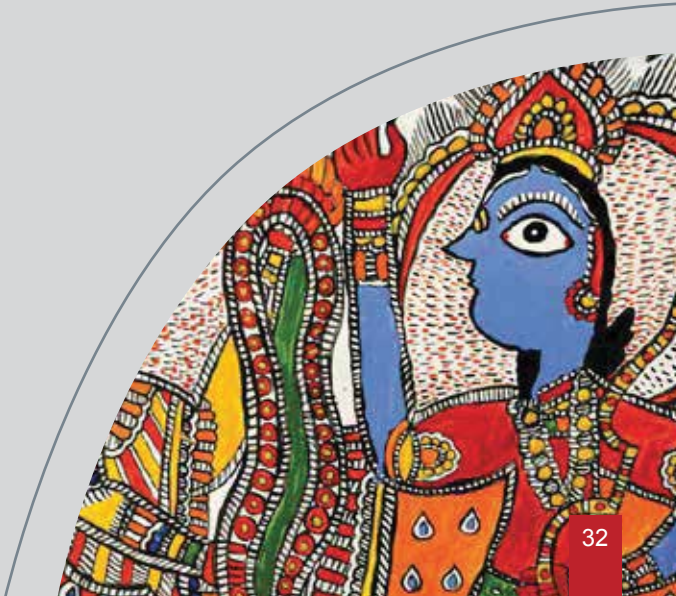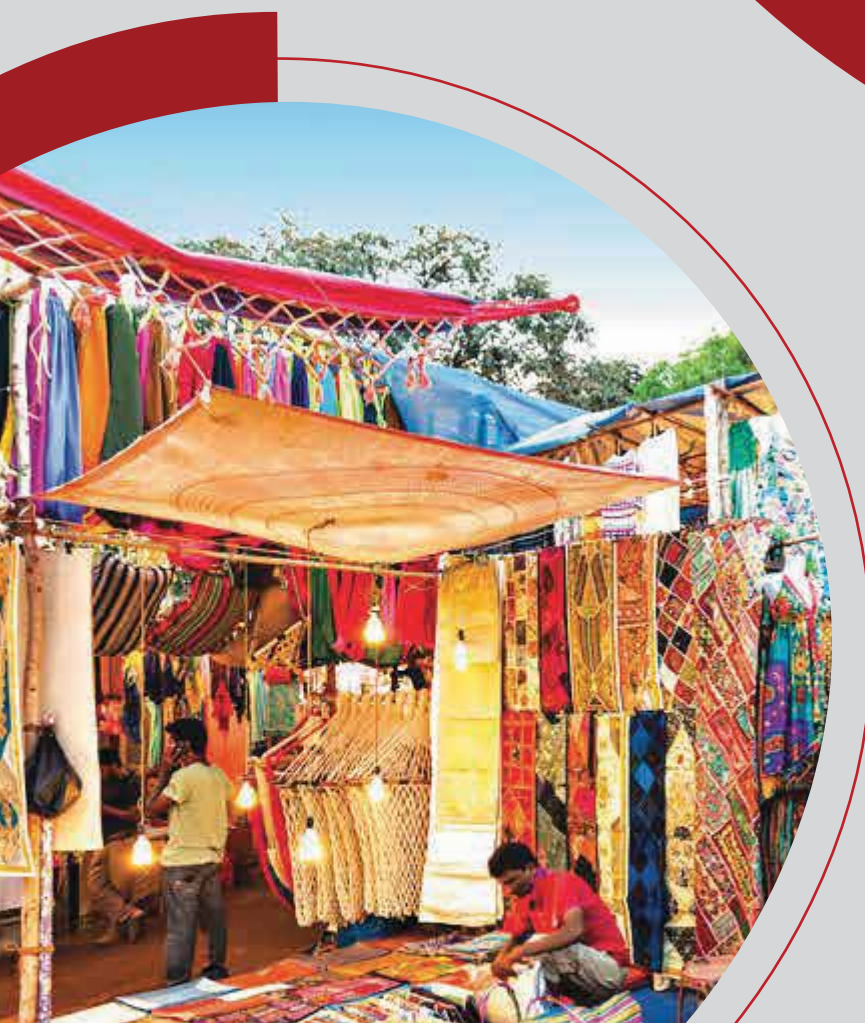## Disaster mitigation and Disaster preparedness

A disaster is an event, natural or man-caused, which creates an intense negative impact on people, goods and services, and/or the environment, and exceeds the affected community's internal capability to respond, prompting the need to seek outside assistance.

On the basis of our study of the local areas, we identified the problems as given with current conditions:

- lack of education regarding earthquakes, landslides, floods / Avalanches
- shortcomings with implementation of norms for construction
- lack of warning and rescue system
- Public assets information
- Communication systems

Consulting on Operational readiness

Asset performance management

Operational excelence with enhanced performance

Reliability cantered Maintenance, cost reduction and planned maintenance optimization

Risk, Regulatory, and compliance

Tourism
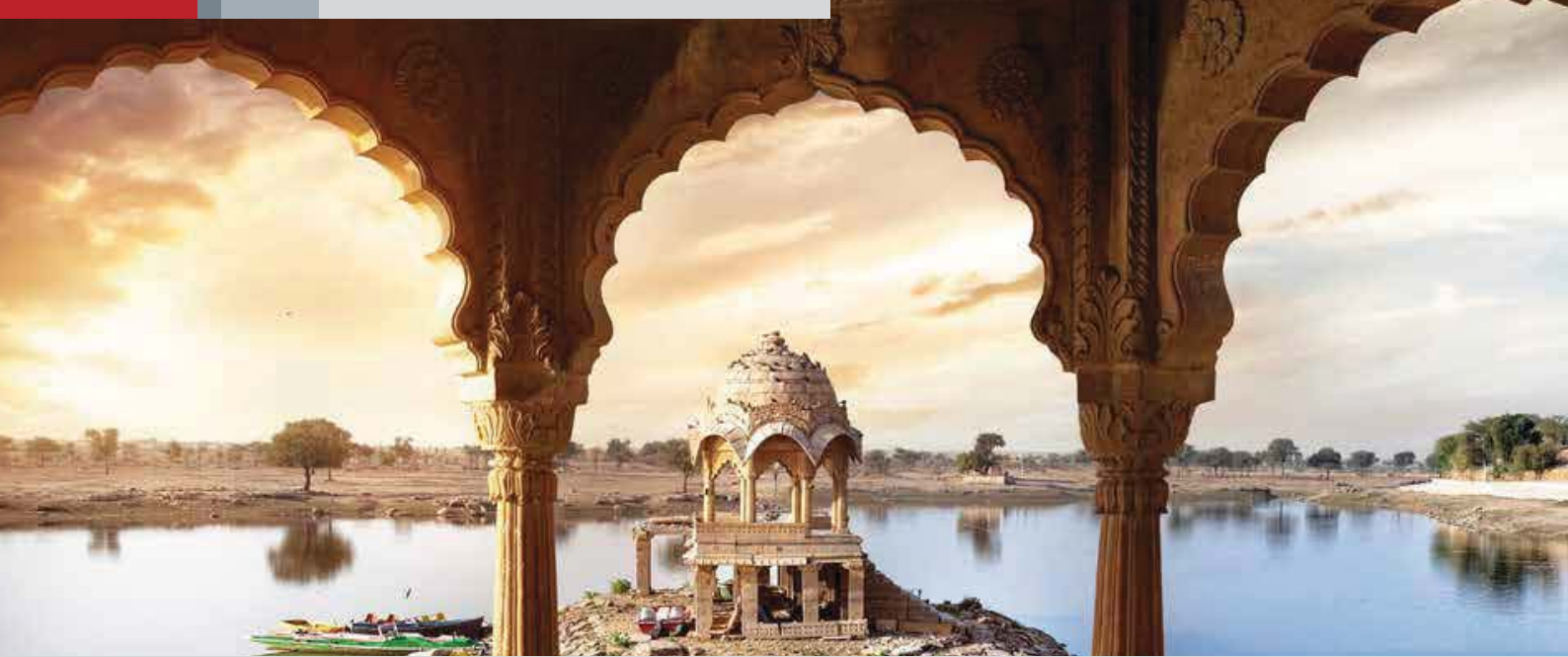
Tourism towards a brighter future

Tourism in India is commercially as well as culturally very important for the country's economy it needs to grow at a much faster rate. As per the statistics of 2018 the World Travel and Tourism Council tourism in India generated ₹16.91 lakh crore (US$240 billion) or 9.2.5 of India's GDP and supported 42.673 million jobs, 8.1% of its total employment.

- We work on the Economic Development of the country through a high-end strategy & Collaborative Tourism promotional activities supported by the guidelines of the Ministry

- Strategies to highlight the rich culture, bio-diversity, Yoga & Wellness, and heritage to provide the unique experience of unexploited wonderland and to disseminate India's rich culture and traditional aspects related to the ancient kingdom and establishing the tourism infrastructure, in the states

- Our consulting on infrastructure facilities, safe and comfortable transportation, connectivity and a perfect strategy to ensure implementation on ground for both foreign & Domestic tourists helps the tourism industry which has a tremendous potential and is yet to flourish

- There are certain historical and archaeological sites in India that are still not on the tourist maps, but are identified as iconic sites with onsite museums. We help the department to develop these sites as major tourist destinations and hub of foreign tourism, through tourist guidebooks and maps for the tourists to reach and enjoy the rich heritage of India's historical culture. A complete Revenue plan is generated through the same.

Promote river cruise tourism by making the entire stretch of National Waterways like the River Ganga, from Allahabad to the Farakka Barrage

The overall plan of action is made to identify offerings for domestic & foreign tourists, which is unique, create offerings for the target markets/audience accordingly reach and make it attractive and comfortable for the Tourists

Our unique proposition for Tourism industry

- Tourist friendly infrastructure - Hotel, transportation facilities, health facilities, stable, and uninterrupted connectivity
- Basic and clean amenities at Tourist places
- Tourist Information centers
- Designing strategies for Promotion and marketing of tourist attractions
- Security & safety measures for tourist

We propose to enhance economic growth and provision of livelihood opportunities for lo
through tourism infrastructure development with a focus on preservation and developme
cultural heritage and incidental services.

Spectrum of services

Enhanced quality of natural and cultural attractions.

- Conservation of heritage structures (temples, palaces to professionally acc
- Development of centres for traditional arts and crafts in the towns
- Development of eco-tourism

Greater participation by local communities in tourism-relate economic and livelihood activities.

- Community-based management of natural and cultural heritage sites with e
  representation of women
- Community employment in tourism support activities
- Capacity building activities to develop micro-enterprises and local products marketing

Improved basic urban infrastructure and incidental services at tourist destinations and gateways.

- Improvement of basic tourist facilities and amenities in tourist attractions
- Improvement of basic amenities at tourist locations -toilets, drinking water facilities, solid
  waste management, drainage, parking, street lighting, street furniture, and signage

Improved connectivity to tourist attractions.

- Improvements in roads, communication, other means of travel for last mile connectivity
  at tourist destinations and attractions.

Skilling of the local community

- Skill local communities for planning, development, management and marketing of tourist
  destinations and attractions and promoting private sector participation and small businesses.

Financial Consulting

- **State Excise & Taxation consulting services**
- **Financial Valuation & Disinvestment**
- **Mergers and Acquisitions**

State Excise & Taxation consulting services

- Our excise consulting services include planning and assistance in managing and monitoring the department activities, efficient management of licenses, calculating the excise security amounts, performing administration obligations, compliance service and reclaiming process of excise tax.

- Our consulting team works very closely with the State Excise Department to prevent and detect offense against the Excise law, design systems to monitor Excise shops, check illicit or dubious practices on the part of licensed vendors.

- Structure a formal assessment and monitoring system to supervise distilleries and warehouse

- The team analyze the gaps to ensure the proper collection of the excise duties and revenue as per the guidelines laid down by the authorities.

- Design a single window for all the stakeholders to provide information, guidelines, rule books, status, trainings and so on to plug in all the gaps. Generate MIS reports for the department for Analysis & improving their services hence increase revenue.

Major challenges faced by the Department

- limited resources & Manpower
- legacy systems,
- Manual processes,
- Quality control
- Collection of comprehensive taxes under the multiple taxation heads of excise duty, entertainment tax, and luxury tax.

Financial Valuation & Disinvestment - Spectrum of Servicee

Valuation as a practice requires high level of expertise. It is the direct link between the results of our work and the price a buyer or seller may pay or receive. Our analyses are suitable for a range of needs including Investment or disinvestment instruments, financial reporting, performance measurement, raising debt or equity, loan reviews, strategic planning,reducing costs or maximizing value.

Our Valuation Approach:

Identify Details of Transaction and Business / Assets to be Valued.

Conduct Market Research & Analysis

Determine Appropriate Valuation Methodology (ies)

Review Comparable Transactions/ Market Multiples

Mergers and Acquisitions

The need for business and financial restructuring and increased competition among domestic and global conglomerates has acted as a catalyst to spur Mergers & Acquisitions activity in India.

Spectrum of service

- Corporate and business restructuring involving business consolidations and/or disinvestment for value accretion, unlocking value and future fund raising

- Advice on capital and financial structuring for balance-sheet management, fund raising, exit strategy. cash repatriations and business tax planning

- Transaction consulting including mergers, acquisitions, de-mergers and tax planning involving issues relating to tax, corporate laws, stamp-duty issues, FEMA and Competition Commission of India

- Domestic and cross border business and /or corporate acquisition strategy involving valuations, due diligence (financial, tax and legal), negotiations financing, documentation support & transaction management

- Formulating ESOP plans and advising efficient implementation

- Business valuations & financial modelling

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