



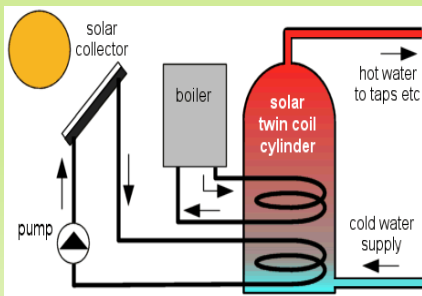
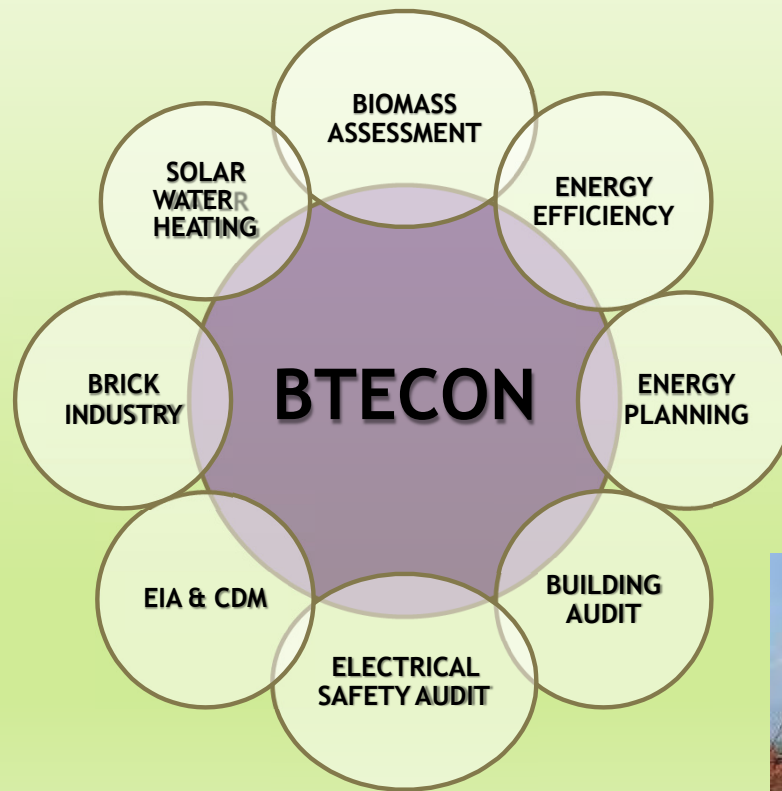
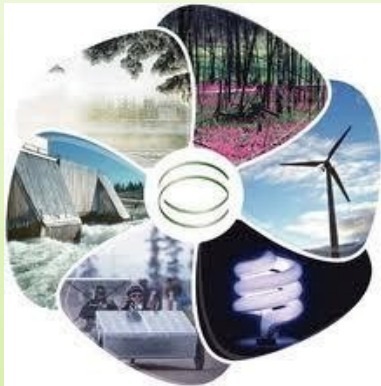
Energy-PAT Audit,
Measurement
&
Verification,
Carbon Credit & Renewable Energy
Certificates(IREC-REC) for All Sectors



Company Profile



OUR SERVICES since 2002



Company Offerings



- Energy audit (MEA, IGEA, Electrical & Thermal) for load management.
- M & V under PAT program
- Project Design Documents (PDD)*, DPR and Biomass assessment for various uses.
- Technology/Industry/Market analysis of Renewable Energy Products and systems.
- Consultancy in designing, developing and implementing energy efficient measures.
- Electrical/Fire Safety Audit.
- Conducting training program on energy management for educating the end users.
- Demand Side Management (DSM) for energy economics and environment improvements through retro-fittings and re-engineering.

Accreditation



- Empaneled as Energy Auditor with HAREDA, Govt. of Haryana
- Empaneled as Energy Auditor with MPUVN Ltd., Bhopal
- Empaneled as Energy Auditor with CREDA, Raipur, CG
- Empaneled as Energy Auditor with GEDA, Gandhi Nagar, Gujarat
- Empaneled as Energy Auditor with UREDA, Dehradun, UK
- Empaneled as Energy Auditor with PCRA, New Delhi
- Empaneled with LIC as a Energy Auditor for auditing under Northern Zone, India
- Empaneled as a LSP for Brick-Sector with BEE SME Cluster Program
- Empaneled with HPCL and IOT for electrical safety and testing consultant
- Empaneled with India SME Technology Services Limited for implementation of 4E (End to End Energy Efficiency) Solutions in Micro, Small & Medium Enterprises (MSME) Units”
- Empaneled as ESCO with Bureau of Energy Efficiency, New Delhi
- Empaneled as consultant with CEA in association with WAPCOS Limited for preparation of DPR for R&M of TPS
- Empaneled with LIC as a Energy Auditor for auditing various office building under Northern Zone
- ISO-9001-2008 certified (Certificate No. DI 120116) by DAC. for Energy, Environment and Safety Consultancy
- Empaneled with EESL as PAT Consultant for Paper and Textile Industry (As a consortium partner of Darashaw & Co.)
- Empaneled as a consulting firms with UNDP/GEF Global Solar Water Heating Project, MNRE, Govt. of India

Services



- MuDSM-Investment Grade Energy Audit
- Baseline energy audit of DCs under PAT SCHEME
- Waste heat recovery DPR
- Energy Planning
- Electrical Safety Audit
- SME Programme
- Biomass Assessment
- Project Management
- Environmental Impact Assessment
- Renewable Energy potential Survey Audit Assessment
- Feasibility Survey research
- Awareness and training

Partial List Of Various Experiences & References

Monitoring & Verification under PAT Cycle II



- M & V Audit of Ultratech Nathdwara cement ltd.
- ACB India (M&V Audit under PAT Scheme for 2x30 MW units at ACB Chakabura).
- MPPGCL (Monitoring & Verification of Energy Audit of Amarkantak Thermal Power Station Chachai).
- M & V Audit of Indian Farmers Fertilizer Cooperative Limited IFFCO Aonla.
- M & V Audit of Indian Farmers Fertilizer Cooperative Limited IFFCO Phulpur.
- M &V Audit of APPGCL (M&V of PAT Cycle II for Andhra Pradesh Gas Power Corporation Limited Vijjeswaram (A.P) 100 Mw X 172 Mw Combined Cycle Power Plant).
- M & V audit for M/s Sanghi Cement Industries Ltd.
- M&V Audit INDRAPRASTHA POWER GENERATION COMPANY LTD Delhi.
- M & V Audit of Shyam Century Ferrous Ltd.
- M & V Audit of Star Cement Ltd.
- M & V audit of MGM Minerals Ltd

Experience in Solar



- MNRE, Training of Technicians on repairing and maintenance of Solar Water Heating System.
- Survey/audit & assessment of potential solar water Heating & Rooftop SPV system in Gurgaon-Manesar area of Haryana.
- UNDP/GEF Global Solar water heating project for the study on “market assessment of solar water heaters in India”.
- Assistance in implementation of solar concentrator project at **ITC, Maurya Shereton.**

Building Audit : Bank /Hotel/Airport etc.



- Energy Audit of **Sikkim House** in Delhi.
- Energy Audit of **UNICEF** Building, Jaipur
- Energy audit of **NBRI Building** in association with UPNEDA, Lucknow
- Energy audit of the **PSCST**, Chandigarh building and ITI Rajpura.
- Energy Audit and Financial Budgeting of **AAI, Kolkata, WB**
- Energy Audit and Financial Budgeting of AAI, Indore, MP
- Energy Audit of CPWD and CGO Building, Ghaziabad.
- Detailed energy audit of Jeevan Pragti Building (LIC), Delhi
- Energy audit of Hotel Park, CP, New Delhi
- Electrical Fire Safety Audit of Andhra Bank branches and ATM
- Energy Audit of GAIL Training Centre, Noida
- Energy Audit and Financial Budgeting of AAI, Imphal, Manipur
- Energy audit of King George Medical college, Lucknow
- Energy Audit work of Australian High Commission, New Delhi.
- Energy audit of four Stadium complexes (MCD National, IGI, Dr. KSSR & Dr SPM Swimming pool) for CPWD, New Delhi.



Building Audit : Bank /Hotel/Airport etc.

- Energy audit of KVIC, Show room, CP, New Delhi
- Energy audit of National Green Tribunal, New Delhi
- Investment Grade Energy Audit of 13-buildings for HAREDA, Haryana
- Investment Grade Energy Audit for MP UrjaVikash Nigam, Bhopal
- EE, MuDSM-Investment grade Energy Audit in 7 cities of Odisha.
- BEE, MuDSM-Investment grade Energy Audit of Faridabad.
- BEE, MuDSM-Investment grade Energy Audit of Siliguri, West Bengal.
- Energy Auditing and Preparation of energy budget at KBR Airport LEH (AAI LEH)
- Energy Audit of IOCL R and Centre, Faridabad (IOCL).
- Energy Audit for Electrical and Mechanical Installations at Shillong Airport (Airport).
- Energy Audit at EZ Location (HPCL).
- Conducting Detailed Energy Audit (Electricals, Thermal HVAC ETC.) as per our Quotation REF. No EA/17-18-08-01 Dated 07-Oct-2017. (SONA BLW).
- Energy audit of BBC News, HT Building, New Delhi

Fertilizer Plant Energy Audit



- Krishna Bhatia Co-operative Ltd. (KRIBHCO),Hahira Fertilizer Plant, Seurat, Gujarat
- Gujarat Narmada Valley Fertilizers Company Ltd., Bharuch-392015,Gujarat
- Gujarat State Fertilizers & Chemicals Ltd.,Vadodra-391750,,Gujarat
- Energy Audit at National Fertilizer Limited Haryana.
- Energy Audit of Madras Fertilizer Ltd, Manali, Chennai.



Power Plant Energy Audit

- Energy Audit of 8 Units of Panipat Thermal Power Plant , Panipat
- Energy Audit of Unit no. 1 to 5, GSECL, Gandhi Nagar, Gujarat
- Energy Audit Tata Power Trombay Unit no 5, 6 & 7, Mumbai.
- Conducting Baseline Energy Audit of the Designated Consumers under the Perform Achieve and Trade (PAT) Scheme” Project
- Gujarat Industrial Power Company Ltd (Surat, Gujarat)
- Gujarat Mineral Development Company Ltd (Kutch, Gujarat)
- Gujarat State Electricity Corp Ltd (Kutch, Gujarat)
- Gujarat State Electricity Corp Ltd (Anand, Gujarat)
- Gujarat State Electricity Corp Ltd (Kheda, Gujarat)
- National Thermal Power Corporation, NTPC (Bharuch, Gujarat)
- GMDC Ltd. Akrimota Thermal Power Station, Kutch – 370602 (Gujarat)
- Surat Lignite Power Plant (SLPP),Surat – 394110 (Gujarat)
- Wanakbori Thermal Power Plant, Kheda, Gujarat
- Kutch Lignite Thermal Power Station (KLTPS) Kutch-Gujarat
- Comprehensive Energy Audit of 3 Units of Thermal Power Station, DVC, Chandrapura.



Experience in Brick Industry

- Survey of inventory of brick kilns in the five states (i) Bihar (ii) Orissa (iii) Madhya Pradesh (iv) Chhattisgarh & (v) UK for TERI, New Delhi
- Lime kiln inventorization and energy study of lime preparation in Dehradun, Ponta Sahib, Katani and Wani Cluster.
- Priya Klay Products (SW Pipe), Electrical and Thermal Energy Audit.
- Energy audit and green brick quality improvement study of Supreme Clay Products, Burdwan, and West Bengal.
- Energy audit of 10 brick kilns in Varanasi.
- Detailed report of inventory of clamp kilns in the state of Orissa, Gujarat and Madhya Pradesh for TERI/CPCB.
- BEE, SME Programme on Brick Manufacturing Varanasi Cluster, UP.
- Energy audit of tunnel kiln of Jindal Mechno Bricks, Badali, Jhajhar, Haryana.
- Training program for brick kiln operator in eastern UP in association with TERI.
- Feasibility study of Thermact-BR and energy audit of brick Kiln in Ghaziabad.
- Energy efficiency Improvements in the Indian Brick Industry (NCR and Eastern UP Cluster) prepared for TERI/ MOEF.
- Energy audit and study of emission in production of Fal-G brick and burnt brick production for CER computation.
- R&D on suitability of mixing fly ash with clay available in Haryana State for brick making in association of Punjab State council for Science and Technology.

Experience in Biomass Assessment



- Assessment of Biomass availability in the States of Maharashtra, Madhya Pardesh & Odisha. (BPCL)
- Biomass Assessment for Skol Breweries Limited, Pondicherry
- Assessment of Lignocellulosic Biomass Availability at Dahej (Gujrat), Panipat (Hararyana) and Mathura (U.P.). (IOCL).
- Surplus Rice-husk Assessment for Sukhjit Industries Malda.
- Rice husk Assessment for United Breweries Ltd Nadia.
- Rice-husk Assessment for Iceberg Industries Ltd Patna.
- Rice-husk Assessment for Carlsberg Industries Ltd. Patna.
- Biomass Assessment for Marico Limited, Sloan, Himachal Pradesh.
- Analysis of present utilization pattern for all agro residues and agro-industrial residues for Erode & Villipuram (Tamil Nadu)
- Biomass Assessment for Polyplex Corporation Limited, Khatima, Distt. Udham Sing Nagar, Uttaranchal.
- Rice-husk assessment For Polyplex Corporation Limited, Bazpur, Distt. Udham Singh Nagar, Uttaranchal.
- Biomass (Rice husk /Mustard Stalk /Cotton Stalk) Assessment for Shiva Protein Products Pvt. Ltd, Tohana, Dist. Fatehbad , Haryana
- Surplus Biomass (Rice-husk) Assessment for NCML Hapur, Uttar Pradesh.
- Surplus Biomass (Rice-husk) Assessment for Indorama Industrial Limited, Lodhi Majra,

Experience in Biomass Assessment



- Biomass assessment for Shree GRG Oil Mill, Ganga Nagar, Rajasthan.
- Biomass assessment for Vallabh Textile, Ludhiana, Punjab.
- Rice-husk assessment for Mantora Oil Products Limited, Kanpur, Uttar Pradesh.
- Rice-husk assessment for Swadist Oils Product Limited, Kanpur, Uttar Pradesh.
- Surplus Biomass (Mustard-husk) Assessment Raghuvar India Limited Kanuta, Hirawala Industrial Area, Jaipur.
- Rice-husk Assessment for Amarjot Food Products Goniana, Bathinda, Punjab.
- Rice- husk assessment in Raichur, Gulburga& Bellary Districts for Shilpa Medicare Ltd. Raichur, Karnataka.
- Biomass Assessment for Ester Industries, Khatima, Udham Singh Nagar, Uttranchal.
- Biomass Assessment for 3 MW Power Plant installed at JVL, Varanasi.
- Biomass Assessment for 6 MW Power Plant installed at ABC paper, Hosiyaapur.
- Biomass assessment in Dehradun, Ponta Sahib, Katani and Wani Cluster.

Experience in Energy Planning



- Scoping study on improving energy efficiency in SMEs and Rural Buildings for UNDP/CEE Project.
- Survey & collection of data for Solar City plan of Gurgaon.
- Baseline Survey for the project: “Community Development with Solar Energy Illumination”.
- Evaluation of Watershed project implemented in Nagpur and Wasim districts of Maharashtra by Ministry of Agriculture.
- Incorporating micro complexities in programmers and policies for energy security in rural India.

Environmental Impact Assessment & CDM



- Environment Impact assessment and R&R plan for DIMITS
- Environment Impact assessment of Bridge between Geta, Kota and Masiha, Bundi, Rajasthan for CPWD.
- Verification of emission reduction from the 7.5 MW wind farm project as a n intermediary on behalf of Eco Securities, Dublin 2, Ireland.
- Retainer ship consultant to execute CDM project related services of various clients of Synergy Global Ltd.
- CDM related documentation for Vishal Paper, Patiala in association with Synergy Global, New Delhi.

Project Comprising Survey Work



- Survey and field measurements for street lighting projects implemented by Energy Efficiency Services Limited (EESL) at 5 locations namely Varanasi, Agartala, Mount Abu, Jhalawar and Visakhapatnam.
- Survey and energy audit for preparation of Ag DSM Detailed Project Report for agriculture pump sets in Hindupur in the State of Andhra Pradesh under the project
- “Preparation of KfW Programme: Energy Efficiency in Public buildings and Infrastructure”
- Preparation and publishing of report on Impact of Energy Conservation activities in the state of UK for UREDA, Dehradun
- Technical Consultant for Programmatic Street Lighting Project in Odisha” on providing consultancy services for assisting the International Finance Corporation (IFC, World Bank)/ the state government of Odisha and the cities of Bhubaneswar, Cuttack, Rourkela and Sambalpur
- “Review and Evaluation study of Remote Village Electrification (RVE) scheme implemented in 11th Plan” in 5 states(Odisha, Jharkhand, MP, Assam & J&K)
- UPCL power audit including various stakeholder and consumer data collection and survey Uttaranchal.
- Environment Impact assessment and R&R plan for DIMITS in CG.

Project Comprising Survey Work



- Environment Impact assessment of Bridge between Geta, Kota and Masiha, Bundi, Rajasthan for CPWD.
- Baseline Survey for the project: “Community Development with Solar Energy lumination”.
- Survey/audit & assessment of potential solar water Heating & Rooftop SPV system in Gurgaon-Manesar area of Haryana.
- UNDP/GEF Global Solar water heating project for the study on “Market assessment of solar water heaters in India”
- Energy efficiency Improvements in the Indian Brick Industry (NCR and Eastern UP Cluster) prepared for TERI/MOEF.
- Detailed report of inventory of clamp kilns in the state of Orissa, Gujarat and Madhya Pradesh for TERI/CPCB.
- BEE, SME Program on Paper Manufacturing Muzaffarnagar Cluster, Uttar Pradesh.
- Scoping study on improving energy efficiency in SMEs and Rural Buildings for UNDP/CEE Project.
- Survey & collection of data for solar city plan of Gurgaon.
- Evaluation of Watershed project implemented in Nagpur and Wasim districts of Maharashtra by Ministry of Agriculture.
- Incorporating micro complexities in Programmes and policies for energy security in rural India.
- Decentralized Distributed Generation, DPR preparation for Korba districts village for NTPC.

Paper Plant Energy Audit



- JK Paper Limited (Central Pulp Mills), Tape, Gujarat
- Rama News Print Limited – Surat, Gujarat
- BILT Graphic Paper Product Limited, Begawan, Pane, Maharashtra
- BILT Graphic Paper Product Limited, Ballarshah, Maharashtra

Railway /Agriculture /Lighting



- Energy audit of DMW, Patiala in association with RITES Ltd.
- Energy audit of Star Track Containers Terminal, Greater Noida
- Energy Audit of HPCL Bottling plant, Bhatinda.
- Waste heat recovery based 20 DPR preparations for EESL.
- Baseline energy audit of Designated Consumers under PAT SCHEME (Paper and Textile sector).
- Thermal and Electrical Energy Audit at ONGC, Uran Plant.
- Baseline energy audit of Designated Consumers under PAT SCHEME (Power and Fertilizer sector).
- Energy Audit of 350 Agricultural Pumps in Rural Bangalore.
- Project management of Energy conservation measures implementation and monitoring phase 2 & 3 Orissa Secretariat.
- BEE, SME Program on Paper Manufacturing Muzaffarnagar Cluster, UP.
- Preparation and publishing of report on Impact of Energy Conservation activities in the state of Uttarakhand for UREDA, Dehradun.

Steel with Captive Power Plant



- Mandatory Energy Audit of Shree Ganesh Metaliks Limited Rourkela Orrisa
- Mandatory Energy Audit of Shyam Sel & Power Limited Mangalpur West Bengal.
- Mandatory Energy Audit of Shyam Sel & Power Limited Jamuriya West Bengal.
- Up scaling energy efficient production in small scale steel industry in India of United Nations Development Programme (UNDP) and Ministry of Steel (MoS).

Street Lighting Work



- Survey and field measurements for street lighting projects implemented by Energy Efficiency Services Limited (EESL) at 5 locations namely Varanasi, Agartala, Mount Abu, Jhalawar and Visakhapatnam, (**In Association with PWC**)
- Technical Consultant for Programmatic Street Lighting Project in Odisha” on providing consultancy services for assisting the International Finance Corporation (IFC, World Bank)/ the state government of Odisha and the cities of Bhubaneswar, Cuttack, Rourkela and Sambalpur (**In Association with Deloitte India**).
- Provide transaction advisory service for green field street light project for 113ULBs, to assess the technical and financial feasibility of the project and structure the project. (**In Association with Deloitte India**).
- Perform a technical diligence of the system to assess the energy efficiency measure to be implemented. (**In Association with Deloitte India**).
- BEE, MuDSM-Investment grade Energy Audit in 7 cities of Odisha.
- BEE, MuDSM-Investment grade Energy Audit of Faridabad.
- BEE, MuDSM-Investment grade Energy Audit of Siliguri, West Bengal.



Experience of Electrical Safety

- Electrical Safety Audit at Ajmer Terminal (**HPCL**)
- Electrical Safety Audit at Lucknow region (Kanpur, Allahabad & Faizabad circle) (**PNB Bank**)
- Electrical Safety Audit Chandigarh region(Hisar, Rohtak,Hoshiarpur & Ludhiana) (**PNB Bank**)
- Electrical Safety Audit at Gorakhpur Circle (**Allahabad Bank**)
- Electrical Energy Audit at Kanpur & Varanasi (**Allahabad Bank**)
- Electrical Energy /Fire Safety Audit of Punjab National Bank's 84 branches in Dehradun Circle.
- Electrical Energy /Fire safety Audit of Andhra Bank Branches and ATMs in Delhi and Gudgeon.
- Electrical audit of JK Cement Ltd, Okhala, New Delhi
- Rate contract for periodical Audit of electrical system at Retail outlets, submission of
- Recommendations for compliance along with directional estimate & carrying out minor maintenance works at site during visit of Delhi, Panipat, Gurgaon and Hissar Divisional office Retail outlets under Delhi & Haryana State Office.(IOCL).
- Electrical Safety Audit (Jindal Hospital).
- Fire & Electric Safety Audit of OBC Bank, Lucknow.
- Electrical Audit of Indian Bank's 120 Branches in Delhi, MP& Rajasthan.
- Electrical Audit of Doc Cell of Shriram Transport Finance Company Ltd, New Delhi

QRA,HAZOP & ERDMP



- QRA / HAZOP study of Jammu Railway siding.(**IOCL**)
- Preparation of ERDMP as per PNGRB regulation includes conducting HAZOP Study and QRA mitigation measure response procedure under Punjab state office and IOCL Punjab state office(**IOCL**)
- Conducting HAZOP Study in Bulk petroleum Depot, Bareilly.(**IOCL**)
- PREPARATION of ERDMP, HAZOP and QRA Analysis at BPCL Gonda Depot (**BPCL**).
- PREPARATION of ERDMP, HAZOP and QRA Analysis at Indore new IRD (**HPCL**).
- QRA Study at Bhatinda Terminal (**IOCL**)
- QRA study at Srinagar Depot (**IOCL**)

Empanelment



- ❖ Empanelled as ESCO with BEE, ministry of Power , Govt. of India
- ❖ Empanelled as RESCO with MNRE, Govt. of India
- ❖ Empanelled as Energy Auditor with **PCRA**, New Delhi.
- ❖ Empanelled as Energy Auditor with **MPUVN** Ltd, Bhopal, and MP.
- ❖ Empanelled as Energy Auditor with **HAREDA**, Govt. of Haryana.
- ❖ Empanelled as Energy Auditor with **PEDA**, Chandigarh.
- ❖ Empanelled as Energy Auditor with **GEDA**, Ahmedabad.

Company Clients



OUR CLIENTS

We salute our prestigious clients to whom we have served directly or on behalf of Govt. agency or in association with our associates.

				CEE Centre for Environment Education		ECO SECURITIES			
	Ministry of Agriculture Government of India	Government of India Ministry of New & Renewable Energy							

BTECON Experience of MEA in Core Sectors



Oil & GAS Sector

- Providing Assistance to PCRA in carrying out Energy Audit of Designated Consumer IOCL, Barauni Refinery (IOCL).
- Thermal and Electrical Energy Audit at ONGC, Uran Plant.
- External Energy Audit of Petrochemical Complex at GAIL PATA. (GAIL)

Fertilizer Sector

- Fertilizer, Oil, & Gas sector Energy audit
- Mandatory Energy Audit at National Fertilizer Limited, Panipat Haryana.
- Mandatory Energy Audit of Madras Fertilizer Ltd, Manali, Chennai

Steel sector

- Mandatory Energy Audit of Shree Ganesh Metaliks Limited, Rourkela
- Mandatory Energy Audit of Shyam Sel & Power Limited Mangalpur WB.
- Mandatory Energy Audit of Shyam Sel & Power Limited Jamuriya, WB



Please send all your enquiries to be below address for our prompt response

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