



ASOI JV

Company Profile



EPC



CIVIL



ELECTRICAL



MECHANICAL



www.asoijv.com



ASOI JV

Introduction

ASOI JV LTD. is a diversified, Engineering Procurement Construction (EPC) company operating in Bangladesh, delivering fast paced construction with quality works and real life support solutions across the country with a group of enthusiastic youth talents.

ASOI JV focuses on :

- EPC Works
- Infrastructure Construction
- Mechanical Works
- Industrial Power Solution
- Environmental Engineering
- Dredging and Re-Excavation Work
- Consultancy Service



Services



PRE ENGINEERED STEEL STRUCTURE

Pre-Engineered steel structures are ideal for use in wide span buildings. We provide the complete service of pre-engineered steel structure for diverse applications.



STRUCTURAL ENGINEERING AND CONSTRUCTION

In the basic structural engineering ASOI JV excels in analysis, design, construction and maintenance of structures. ASOI JV believes in integrated and innovative constructions of various infrastructure.



CONSULTANCY SERVICE

All aspects from the engineering and consultancy request to the delivery of innovative results are covered with the flexibility to choose from various service options. In this consultancy service simulation and modeling, scientific analysis and documentation, vetting of designs etc are included.



ENVIRONMENTAL ENGINEERING

ASOI JV endeavours to provide a healthy environment by controlling environmental hazards, improving recycling and decreasing all sorts of environmental pollution. For this purpose design & construction of ETP, WTP, STP are most remarkable projects.



TANK TERMINAL & PIPE LINE

We build complex networks of onshore terminals, storage tanks, blending facilities and pipelines. These bulk logistical facilities take crude oil from overseas, storing and delivering it to the refinery at the right time. Similarly, they store and blend refined product to create the exact specifications required in certain markets before transporting it on to the end customer.



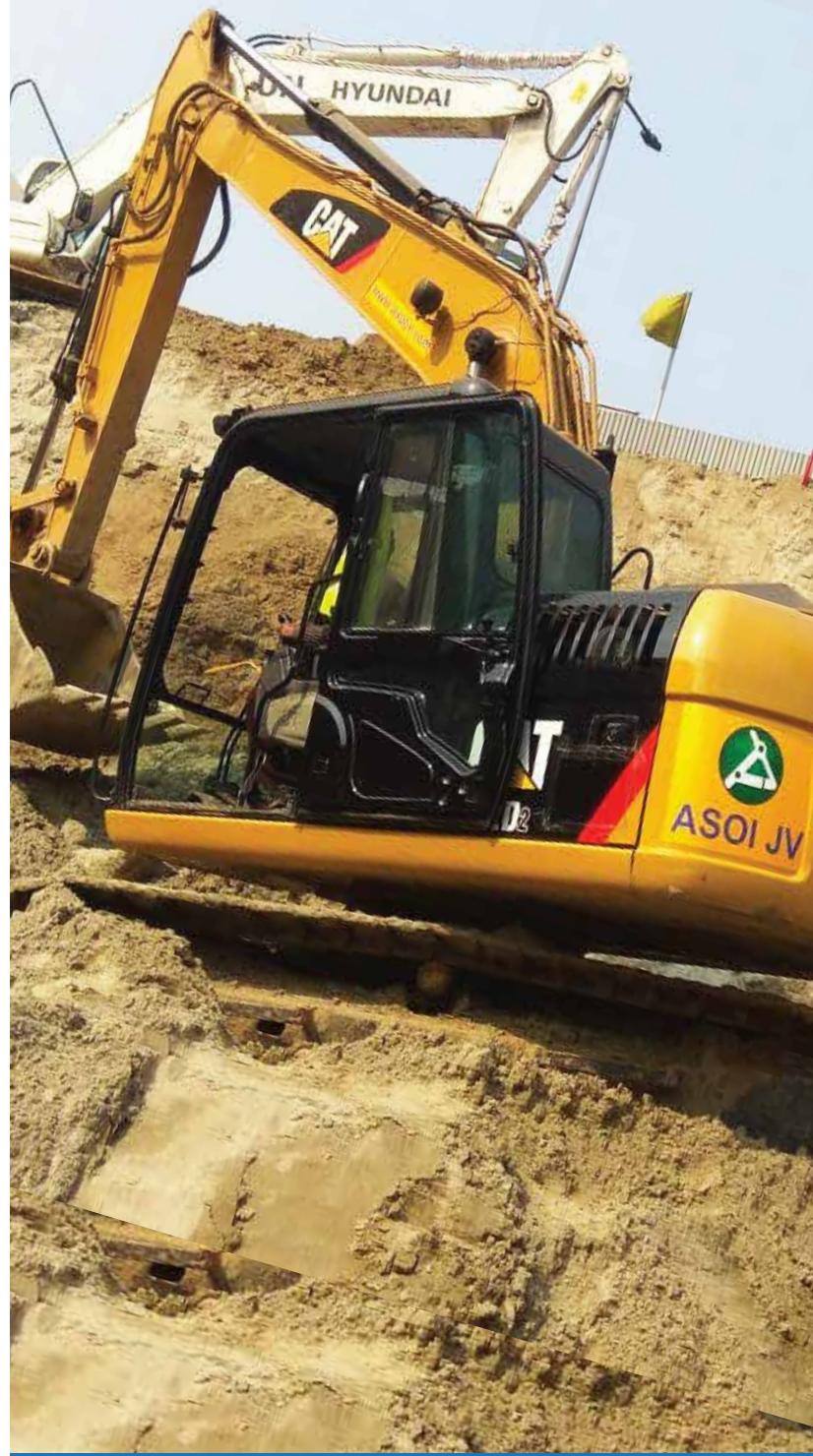
INDUSTRIAL POWER SOLUTION

We are proud to assist in power sector such as Electrical Design services - Industrial Electrical construction, Electrical repairs and troubleshooting, PLC design, Installation and maintenance of substation, transformer and distribution board, Testing services. We are also working on renewable energy like solar power, wind turbine etc.

Equipment

Over the years ASOI JV has been acquiring more and more equipment. Now, the company has an extensive inventory of modern construction equipment and is positioned to fulfill the logistical needs of most projects.

- Excavators of Capacity from 0.5 cum to 0.7 cum; Brand: CAT
- Pay/Wheel Loader; Brand: CAT
- Self Loading Concrete Mixer Model: Ajax Fiori ARGO 4000
- Dump Truck
- Shotcrete Machine
- Air Compressor
- Truck Mounted Boom Lift
- Concrete Mixer Machine
- Compactor Diesel Driven & Electric Power
- Rebar Bending Machine (10mm-35mm)
- Rebar Tying Machine
- Hydraulic Jack, Capacity- 150 Ton
- Water Pump 2 HP to 20 HP Diesel Driven & Electric Power
- Mud Pump 2 HP to 10 HP Diesel Driven & Electric Power
- Generators of Capacity from 6KVA to 150KVA
- ARC Welding Machine
- Modern Survey Instruments





Global Partners



MECON Ltd, India

Mecon Ltd (A govt. of India Enterprise) is India's frontline engineering consultancy and contracting organization with expertise in Metal, Power, Oil & Gas and Infrastructure. ASOI JV in association with Mecon Ltd is conducting Detailed Engineering Design for Transportation of White Petroleum Oil through pipeline from Chattogram to Dhaka, Bangladesh and the pipeline length is approx. 305 km.

MMCPL, India

Multi Media Consultants Pvt. Ltd. is a multidisciplinary consulting engineering company based in Ahmedabad and ASOI JV collaborated with MMCPL for Detailed Engineering Design of Airport Underpass Project which will use BOX PUSHING TECHNIQUE for the very first time in Bangladesh. We are also using shotcrete technology for soil protection in the mentioned project.

Ravi Builders, India

Ravi Builders is expert in specialized construction projects offering a full spectrum of construction, contracting and consulting services for trenchless construction. ASOI JV is executing the Airport Underpass project, Zia Colony with construction support from Ravi Builders, India.

Quanta Process, India

Quanta is one of the leading EPCM Company with expertise in services like Conceptual design, Detailed Design, PMC activities & Commissioning etc as well as supply works. ASOI JV worked with Quanta Process for Consultancy Services as well as preparing Master Plan for Sena Edible Oil Industries (Client: Sena Kalyan Sangstha)



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Local Partners



Bengal Plastic Pipes Ltd.

Completed Projects

PROJECT NAME	PROJECT DESCRIPTION	PROJECT VALUE	CLIENT	DURATION
Sena Edible Oil Industries (SEOI)	An EPC based project including Tank Terminal Construction, Oil Pipeline, ETP, WTP, Electrical Substation, Pre-Engineered Steel Structure, Jetty, River Bank Protection, Fire Fighting, Plant Erection etc along with other ancillary works.	BDT. 100 Crore	Sena Kalyan Sangstha	2017-2018
Utility shifting from the Route Alignment of Dhaka Elevated Expressway Project	Installation of 5 km WASA pipe from Banani to Moghbazar, Dhaka using Horizontal Directional Drilling (HDD) Method for the Dhaka Elevated Expressway Project	BDT. 10 Crore	Bangladesh Army	2017
Dhaka Elevated Expressway Project	Demolition work - khilkhet to Banani	BDT. 15 Crore	Bangladesh Army	2014-2016
Jajira Cantonment	ASOI JV has designed and constructed an army camp and the total size of the Barrack is 114'x 52'	BDT. 5 Crore	Bangladesh Army	2017
Patenga Container Terminal (PCT) Camp Construction	Design and Construction of Office Complex, Sainik Mess, Sainik Barrack, Sainik Toilet, Officer Mess, Laboratory, MT Shed, RP Post, Road, External Sanitary & water supply Work, Sub Station Building, Boundary Wall.	BDT. 5 Crore	Bangladesh Army	2018
Paduabazar Flyover Lighting Works	Supply and fitting LED Street Lights including construction of RCC Base and pole, underground cable laying and meter installation etc at Paduabazar flyover.	BDT. 3 Crore	Bangladesh Army	2018



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Completed Projects

PROJECT NAME	PROJECT DESCRIPTION	PROJECT VALUE	CLIENT	DURATION
Installation of 315 kVA Sub-Station with Underground High Voltage cable Laying	Erection Works of External Electric Supply line (West side Sub-Station) behind 442 No. OR's Quarter of Mirpur Cantonment under Road widening and Development project in between Mirpur DOHS Gate No.02 and Mirpur-12 Bus stand	BDT. 5 Crore	Bangladesh Army	2018
LED Street Lighting - Maowna Overpass	Supply and fitting LED Street Lights including construction of GI pole, cable laying and meter installation etc at Maowna Overpass, Gazipur	BDT. 3 Crore	Bangladesh Army	2015
Joydebpur - Mymensingh 4 Lane Highway Project	Construction of drainage system and supply bulk quantity of stone & sand	BDT. 6 Crore	Bangladesh Army	2013-2014
Sir John Wilson School Dhaka Main Campus Building Project – Phase 03	Complete Interior Work including all Furniture for Computer Labs, Science Labs, Dance Room, Library; Air Conditioning and ICT Networking; Electrical Substation including 500kVA Diesel Generator, Gardening, Fencing, Drainage, Damp Proofing and Complete Playground Preparation with Perforated Drainage System	BDT. 4 Crore	Sir John Wilson School	2015
Inani Baywatch	Design and construction along with interior decoration of luxurious army resort at Inani. It is a two storied building with an area of 3000 sqft	BDT. 5 Crore	Bangladesh Army	2018
Restaurant & Service Center	Design and construction of Restaurant including Wash room, Kitchen etc & Landscaping along with drainage system	BDT. 2 Crore	Bangladesh Army	2018-2019



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On-going Projects

PROJECT NAME	PROJECT DESCRIPTION	PROJECT VALUE	CLIENT	DURATION
Construction of PC Girder Bridge	Construction of 94.274 m PC girder bridge with four well foundation at Alikodom-Jalanipara-Kuruk pata-Poamuhuri road construction project	BDT. 15 Crore	Bangladesh Army	2018-2019
Detailed Engineering Design For Transportation of White Petroleum Oil through pipeline from Chattogram to Dhaka, Bangladesh	Collaborating with MECON Limited, India for Detailed Design of 305 km Dhaka - Chittagong Multiproduct Pipeline Project which is the first Cross-country pipeline project of Bangladesh	BDT. 60 Crore	Bangladesh Army	2018-2019
Construction of 1X Single Men Barrack Complex	Construction of 05 Storey Building With 5 Storied Foundation With Garage & Drivers Accommodation (2 Storey with 2 Storied Foundation) Including Ancillary Works At Army Unit For Establishment Of Sheikh Hasina Cantonment, Barisal	BDT. 50 Crore	Bangladesh Army	2018-2019
Construction of Pedestrian Underpass Near Shaheed Ramizuddin Cantonment School & College Across Airport Road Project	The pedestrian underpass will be done using Box Pushing Technology for the first time in Bangladesh. Soil nailing and shotcreting will also be used for soil stabilization of the project. The additional features of the underpass includes multipurpose shops , LED Screens etc inside the area	BDT. 60 Crore	Bangladesh Army	2018-2019



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On-going Projects

PROJECT NAME	PROJECT DESCRIPTION	PROJECT VALUE	CLIENT	DURATION
Re-excavation, Renovation and Development of Khals for Mitigating Water Logging Problems in Chittagong City	Construction of retaining wall along with Khondokia khal as a part of mitigating water logging problems in Chittagong City	BDT. 10 Crore	Bangladesh Army	2018-2019
Re-excavation & Dredging Project at Narsingdi.	1.5 km Reexcavation from Karimpur to Panchabati and 39 km Dredging on Brahmaputra river at Narayanganj district and for Foundation Treatment CC Block construction and placement at 11 bridges in Bandar, Sonargaon & Araihaor Upazila	BDT. 60 Crore	Bangladesh Army	2018-2019
Consultancy (Vetting) Services for Re-excavation, Renovation and Development of Khals for Mitigating Water Logging Problems in Chittagong City	Collaborating with Mriftika Prokaushali for vetting of all design drawings of khals, retaining walls, bank side roads, bridge, culverts, water reservoir, silt trap, tidal regulator, drains etc in order to eradicate the water logging problem of Chittagong City	BDT. 10 Crore	Bangladesh Army	2018-2019
Improvement of Jatrabari intersection to Pachchar-Bhanga through Mawa Road of Dhaka-Khulna (N-8) highway to 4 lane with separate lane for slow moving vehicle project	Supply and installation of hot dip galvanized pole with 250W LED Street Light, underground Power Supply Line and relevant works for Conventional Power Source Connection	BDT. 40 Crore	Bangladesh Army	2018-2019



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Projects

WHITE OIL (MULTIPRODUCT) PIPELINE

Client: 24 Engineer Construction Brigade,
Bangladesh Army

Project Location: Chattogram to Dhaka

Contract Type: Consultancy

Pipeline Length: 305 KM

Work Description: Collaborating with MECON Limited, India for Detailed Engineering Design for Transportation of White Petroleum Oil through pipeline from Chattogram to Dhaka Project. ASOI JV being the local partner will do all the surveys along with giving all local supports and arranging for local permission as required.





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Projects



UNDERPASS USING BOX PUSHING TECHNOLOGY:

Client: 25 ECB, Bangladesh Army

Project Location: Zia Colony, Airport Road, Dhaka

Contract Type: EPC

Design Consultant: Multimedia Consultants Pvt. Limited, India

Work Description:

Country's First Box Pushing Technology is being used in Construction of the Underpass. For soil stabilization, Soil nailing and shotcreting will also be used for the project.





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Projects

STORAGE TANK CONSTRUCTION

Client: SKS

Project Name: Sena Edible Oil Industries

Project Location: Narayangonj

Contract Type: EPC

Tank No: 18 Nos

Total Storage Capacity: 13650 MT

Construction Material: Carbon Steel

Foundation Method: Sand Pile

Work Completion Time: 09 Months (One of the fastest terminals construction)





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Projects



STEEL JETTY

Client: SKS

Project Location: Sena Edible Oil Industries

Contract Type: EPC

Jetty Type: Steel Jetty for Crude Oil Unload

Construction Material: Carbon Steel

Foundation in River: MS Pipe Drive 80 Ft - 8 Nos

Foundation in Land: Situ Pile 90 Ft - 6 Nos



RETROFITTING OF OLD RCC JETTY

Client: SKS

Project Name: Sena Edible Oil Industries

Project Location: Narayangonj

Contract Type: EPC

Jetty Type: RCC Jetty for Raw Materials Unload

Construction Type: Demolition of damaged portion and retrofitting including installation of one 5 ton capacity shore crane for raw material unloading from ship.



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Projects

5 STOREY BUILDING CONSTRUCTION

Project Name:

Construction of 1 x singlemen barrack complex (5 storey with 5 storied foundation) with garage & drivers accommodation (2 storey with 2 storied foundation) including ancillary works at Arty unit for establishment of Sheikh Hasina Cantonment, Barisal.

Client: Military Engineering Services (MES)

Contract Type: Construction

Total Floor Area: 1,96,500 Sft





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Projects



ARMY RESORT

Client: 16 ECB, Bangladesh Army

Project Location: Inani, Cox's Bazar

Inaugurated by: General Aziz Ahmed, Chief of Army Staff

Contract Type: EPC

Resort Standard: 4 Star

Work Details: Design and construction along with interior decoration and landscaping of luxurious army resort at Inani. The resort is a two storied building with an area of 3000 sqft. The masterplan of seven resorts was also done by ASOI JV.





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Projects

EFFLUENT TREATMENT PLANT (ETP)

Client: SKS

Project Name: Sena Edible Oil Industries

Project Location: Narayangonj

Contract Type: EPC

Treatment Type: Bio-Chemical

Treatment Capacity: 20 m³/hr

Effluent Source: Edible Oil Refinery

Inlet Effluent Characteristics:

CHARACTERISTICS	Unit	Concentration Present
pH		2-3
TSS	ppm	200-250
COD (Chemical Oxygen Demand)	ppm	13000-15000
BOD (Biological Oxygen Demand)	ppm	7000-8000
Temp	Celcius	<70

Outlet Effluent Characteristics:

CHARACTERISTICS	Unit	Concentration Present
pH		6-9
TSS	ppm	<150
COD (Chemical Oxygen Demand)	ppm	<200
BOD (Biological Oxygen Demand)	ppm	<50
TDS	ppm	<2100
Temp	oC	<30
DO	Mg/l	4.5-8.0





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Projects



WATER TREATMENT PLANT

Client: SKS

Project Name: Sena Edible Oil Industries

Project Location: Narayangonj

Contract Type: EPC

Treatment Capacity: 80 m³/hr

Source Water: Deep Tube Well 100m³/hr

Supply Water: DM Water

DM Water Parameter:

pH	-	6.5-7.5
TDS	-	≤ 5 mg/ltr
Conductivity	-	≤ 10 µs/cm
Silica	-	≤ 0.35 mg/ltr
Iron	-	≤ 0.02 mg/ltr
Chloride	-	≤ 1 mg/ltr





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Projects

PATENGA CONTAINER TERMINAL ARMY CAMP

Client: 34 Engineers Construction Brigade,
Bangladesh Army

Project Location: Patenga, Chattogram

Contract Type: EPC

Work Description: Design and Construction of

- Office Complex
- Sainik Mess
- Sainik Barrack
- Sainik Toilet
- Officer Mess
- Laboratory
- MT Shed
- RP Post
- Road
- External Sanitary & water supply Work
- Sub Station Building
- Boundary
- Drain
- Landscaping





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Projects



PC GIRDER BRIDGE

Client: 16 ECB, Bangladesh Army

Project Location: Alikadam, Bandarban

Contract Type: Construction

Bridge Type: PC Girder

Bridge Length: 94.274 Meter

Foundation Type: Well Foundation

No. of Foundation: 4 Nos

Work Description: One of the most Challenging project of ASOI JV. Just beside Matamuhury River, the PC Girder Bridge is being constructed in Alikadam.





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Projects

ROAD & DRAINAGE SYSTEM

ROAD & DRAINAGE SYSTEM

Client: SKS

Project Name: Sena Edible Oil Industries

Project Location: Narayangonj

Contract Type: EPC

Road Type: Rigid Pavement

Total Road Length: 1055 Meter

Drain Type: RCC Pipe with Maintenance Pit

Total Drain Length: 1130 Meter





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Projects

DREDGING AND RE-EXCAVATION

Client: 24 Engineer Construction Brigade,
Bangladesh Army

Project Location:

- a) Brahmaputra River, Narayanganj
- b) Meghna River, Narshingdi

Contract Type: EPC

Work Description:

River Training Work & Bridge Foundation Treatment.

No. of Bridges: 11

Length of Re-excavation of River:

- a) Brahmaputra River: 39 km
- b) Meghna River: 1.5 km





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Projects

RIVER BANK PROTECTION

Client: SKS

Project Name: Sena Edible Oil Industries

Project Location: Buriganga River, Narayangonj

Contract Type: EPC

Protection Type: Retaining Wall

Protection Length: 400 Meter



BRIDGE FOUNDATION TREATMENT

Client: 24 Engineer Construction Brigade,
Bangladesh Army

Project Name: Re-excavation of Arial Kha River,
Haridua River, Brahmaputra River, Paharia River,
Meghna Branch River and Old Brahmaputra
Branch River Project under Narshingdi District

Project Location: Narayangonj

Contract Type: Construction

Protection Type: CC Block

Total Number of Bridge: 11





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Projects



TETRAPOD FOR SEA SHORE PROTECTION

Client: 16 ECB, Bangladesh Army

Project Location: Teknaf, Cox's Bazar

Contract Type: Construction

Work Description:

Construction and placement of 2000 Tetrapods at Cox's bazar- Teknaf Marine Drive road. Our construction range was from chainage 58.8 km to 59.1 km





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Projects

ELECTRICAL WORK UNDER MRT PROJECT

Client: Bangladesh Army

Project Name: Utility Shifting & Electrical Substation Under MRT Project

Project Location: Mirpur Cantonment

Contract Type: EPC

Capacity: 2 X 315 kVA

Work Details: Supply and Installation of 2 X 315 kVA Electrical Sub-Station with Utility Shifting and Underground High Voltage Cable Laying.





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Projects

N8 Highway



Maowna Overpass



Paduar Bazar Overbridge



STREET LIGHTING

Project- 1: Dhaka-Khulna Highway (N8) Development Project

Client: Bangladesh Army

Project Location: Jatrabari to Mawa Ferry Ghat

Contract Type: EPC

Work Details: Supply and installation of hot dip galvanized pole with 250W LED Street Light, underground Power Supply Line and relevant works for Conventional Power Source Connection.

Project- 2: Railway Overbridge on Dhaka-Ctg Rail Line at Paduar Bazar, Cumilla

Client: Bangladesh Army

Contract Type: EPC

Work Details: Supply and installation of hot dip galvanized pole with 100W LED Street Light, Power Supply Line and relevant works for Conventional Power Source Connection with Smart Automation Technology.

Project- 3: Dhaka-Khulna Highway (N8) Development Project

Client: Bangladesh Army

Project Location: Jatrabari to Mawa Ferry Ghat

Contract Type: EPC

Work Details: Supply and installation of hot dip galvanized pole with 100W LED Street Light, Power Supply Line and relevant works for Conventional Power Source Connection with Smart Automation Technology.



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Projects

ELECTRICAL SUBSTATION

Client: SKS

Project Name: Sena Edible Oil Industries

Project Location: Narayangonj

Contract Type: EPC

Power Capacity: 5 MVA

Transformer Type: 2500KVA X 2 with OLTC

PFI Plant Capacity: 1500 KVAR X 2

Backup Generator Capacity: 650 KVA

On-grid Solar Power: 5KW X 3

Work Details: Erection and Commissioning of Electrical Sub-Station with External Power Line via Pre-fabricated Steel Cable Tray, Conventional Earthing System, Lighting Protection System, Motor Control Panels and Domestic Wiring in all type of Plants with Distribution Boards.





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ASOI JV Team



ASOI JV team in presence of honorable Chairman Shah Momrez Chowdhury, Director Md. Imrez Chowdhury and Managing Director Mahrab Anwar posing at AGM 2018



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ASOI JV AGM 2019



Honourable Chairman Shah Momrez Chowdhury delivering his valuable speech at AGM 2019



Honourable Managing Director Mahrab Anwar delivering his influential message to ASOI employees at AGM 2019



Honourable Director, Finance Mr Imrez Chowdhury encouraging ASOI family towards bigger goal through his speech at AGM 2019



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ASOI JV Engineering team briefing about their projects at AGM 2019



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Contract Signing



Contract Signing Between ASOI JV & Quanta Process Held on Quanta Process Head Quarter, Vadodara, India



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Contract Signing



Contract Signing Between ASOI JV & MECON Ltd. Held on MECON Head Office, Delhi, India



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Contact Us



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