

Company Profile

2023



FORTEK Inc.
T&D ENGINEERING AND MANAGEMENT SERVICES

Who are we?



FORTEK Inc. is specialized in providing services for the Design and Engineering, Procurement, Project Execution and Management Service of H.V. electrical works. In addition, we are providing the preparation of overseas bidding activities, the national and international outsourcing and the import/export of electrical materials.

We are offering to the clients our best quality services based on our accumulated experiences and leading edge technology ranging from the preparation work to the contract awards, which include the price estimation and the preparation of technical documentation for the bidding activities. After awarding, we are doing the engineering and design, procurement service, implementation and/or project management services, commissioning during the executing the contract.

It is our goal to help our clients who wish to purchase electrical quality product/materials with a comprehensive package of electrical materials outsourcing, technical specification, price negotiation, and delivery services in order to enhance the work performances of our clients.

We are committed ourselves to serve our clients with updated technology and information.

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1. ORGANIZATION



• General

- Establishment : April 18, 2001
- Tel. : 82) 2 - 2029 - 4800 ~ 3
- Address : #904, Daerung Techno 13-cha,
24 Gasandigital 1-ro, Geumcheon-gu, Seoul, Korea
- Website : www.fortek.co.kr
- E-mail : info@fortek.co.kr

• Organization Chart

PRESIDENT	ENGINEERING	Basic Engineering Calculation Design
	PROJECT	Management Consultation Installation, Supervision
	TRADING & ADMINISTRATION	Import & Export Accounts General

2. BUSINESS ACTIVITY



- Engineering

- Design
- Calculation
- Technical Evaluation
- Technical Clarification

- Project Management

- PROJECT**

- Project Management
 - Procurement Service
 - Scheduling
 - Installation, Supervision

- PROJECT CONSULTATION**

- Feasibility Study
 - Estimation
 - Scheduling

2. BUSINESS ACTIVITY



- Documentation for Bidding
 - Electrical Project
- Outsourcing of Equipment & Materials
 - For Substation
 - For Transmission Line
 - For Distribution System
- Survey of Supplier
- Trading (Supply of Equipment & Materials)

3. PROCUREMENT IN SERVICE



- Outdoor Switchgear
- Relay & Control Panel
- Power and Distribution Transformer
- Battery & Charger
- Steel Structure, Steel Tower
- Insulator & Fittings
- Grounding Materials
- Conductor, Power & Control Cable, Cable Tray
- Miscellaneous



4. SCOPE OF WORKS



- Bidding



- Inquiry
- Offer
- Technical & Other Document
- Clarification
- Design & Engineering
- Technical & Bid Evaluation

4. SCOPE OF WORKS



- Execution & Completion



- Overall Design, Engineering and Calculation
- Review & Checking for Technical Specification
- Preparation for Technical Specification for Approval
- Clarification
- Procurement Service
- As Built

5. EXPERIENCES



- Engineering, Procurement, Construction & Project Management

NO.	PROJECT / COUNTRY	SCOPE OF WORKS	CLIENT / END USER	PERIOD
1	132kV Electric Power Network Exp. Project / Nicaragua	Project Management (Design, Procurement)	SAMSUNG Corp. / ENTRESA, Nicaragua	2002 ~ 2003
2	132kV Double Circuit OHL SEC Tender No. 504/22/3 / Saudi Arabia	Procurement Service	LG Int'l / SCECO, Saudi Arabia	2002 ~ 2003
3	132kV Double Circuit OHL SEC Tender No. 523/22/3 / Saudi Arabia	Procurement Service	LG Int'l / SCECO, Saudi Arabia	2002 ~ 2003
4	132kV TANESCO Electricity IV Phase-II Project / Tanzania	Project Management (Design, Procurement)	Daewoo Int'l / TANESCO, Tanzania	2004
5	33kV & 11kV Rural Electrification Project / Bangladesh	Design, Documentation for Bid & Procurement Service	Daewoo Int'l. / REB, Bangladesh	2004 ~ 2007
6	Bosch Factory Construction. 22.9kV / Korea	Installation of 24.9kV SWGR Panel	Daewoo Eng'g / Bosch Korea	2004
7	230kV Ashuganj-Serajganj T/L / Bangladesh	Project Management & Procurement Service	Consortium of LG Int'l and Sejong Corp. / PGCB, Bangladesh	2005 ~ 2007
8	Intensification and Expansion of Distribution System 2nd Phase(EDCF-01) / Bangladesh	Procurement Service	Daewoo Int'l / REB, Bangladesh	2006
9	GEPCO 132kV Substation for Rural Distribution Construction Project / Pakistan	Technical Consultant. Preparation for RFP	EDCF, EXIM, Korea	2007
10	Procurement of Distribution Line Materials for EDC'S Rural Grid Extension (Pkg-1, Bid No.WB-EDC-04-1) / Cambodia	Procurement Services	KyungAn Cable Co. / EDC, Cambodia	2007 ~ 2008
11	Construction of Aminbazar-Meghnaghat 400kV T/L / Bangladesh	Supporting for Tendering & Negotiation Meeting	KEPCO / PGCB, Bangladesh	2007 ~ 2008
12	Khartoum North Power Station. I&C Rehabilitation Project (no. 23-0288) / Sudan	Electrical Design	DIMCO/ NEC, Sudan	2008 ~ 2010

5. EXPERIENCES



- Engineering, Procurement, Construction & Project Management

NO.	PROJECT / COUNTRY	SCOPE OF WORKS	CLIENT / END USER	PERIOD
13	Development of Sylhet-Shahjibazar-Brahmanbaria 400kV Transmission Line Project / Bangladesh	Technical Consultant.	EDCF, EXIM, Korea	2008
14	CHAMELIYA Hydroelectric Project Lot-1,2 &3 under EDCF Loan Agreement / Nepal	Engineering , Procurement & Project Consulting Service for Electrical Works	HwaChon Plant Construction Co., Ltd. / NEA, Nepal	2009 ~ 2017
15	E-Power 30MW Diesel Power Plant (HEP Project) 72.5kV Substation and Transmission Line Works / HAITI	Design, RFQ for Electrical Works	DECCO Ltd. & HHI, Korea / EdH, Haiti	2009
16	Haiti 24kV Distribution Line Works. 57km / Haiti	Design, RFQ for Electrical Works	DECCO Ltd. / EdH, Haiti	2009 ~ 2010
17	Megnaghat –Amin Bazar 400kV Transmission Line Project (IFB No. 01/PGCB/Sec/2008/2787) / Bangladesh	Project Management & Procurement Services	Consortium of Samsung and Hanbaek Co. / PGCB, Bangladesh	2010 ~ 2013
18	SABIYA CCGT Power Station, 400kV Inter-Connection from Dead-end Tower to Gantry / Contract No. : MEW/C/4010-2009/2010 /Kuwait	Design & Procurement for the Long-rod Insulator, Fittings and Conductor	Hyundai Heavy Industries Co., Ltd. / MEW, Kuwait	2010
19	YoungHung Mini Hydro Power Plant #1 & #2 (1,550kW x 3) / Korea	Engineering & Design (Electrical + I&C)	HwaChon Plant / KOSEP, Korea	2010 ~ 2011
20	132kV Substation for BERA 70MW Peaking Power Plant / Bangladesh	Engineering, Procurement, Erection and Test & Commissioning	Hyundai Heavy Industries Co., Ltd. / PDB, Bangladesh	2010 ~ 2011
21	Design-Build and Turnkey Contract for 230kV SIDDHIRGANJ Substation Bid Package No. G3-PGCB / Bangladesh	Engineering, Design & Supervision for Site Works	GS E&C / PGCB, Bangladesh	2010 ~ 2013
22	23kV Distribution Line(4.2km) for Haiti-North Park USAID 10MW PPS / Haiti	Design, Calculation & Procurement	ESD, Engineering & Services. SRL, Dominica	2011 ~ 2012
23	132kV Substation Grid Connection Works for HFO Diesel Power Plant - A,B Project / Iraq	Engineering & Design Works	STX Heavy Industries Co., Ltd. / MOE, Iraq	2011 ~ 2012
24	Design, Supply and Installation of Rehabilitation of 132kV KIYUNGI Substation / Tanzania	Engineering & Design Works	GS E&C / TANESCO, Tanzania	2011 ~ 2015

5. EXPERIENCES



- Engineering, Procurement, Construction & Project Management

NO.	PROJECT / COUNTRY	SCOPE OF WORKS	CLIENT / END USER	PERIOD
25	Construction of Substation and HVL 500/220/110kV on Direction Ashgabat-Balkanabat-Turkmenbashi / Turkmenistan	Engineering & Design Works including preparation of Technical Specification	Samsung Engineering Co., Ltd. / Turkmenistan	2012 ~ 2013
26	TIHAMA Cogeneration Expansion Project Stage-II, 230kV / Saudi Arabia	Engineering, Procurement & Supervision for Site Works	Hyundai Heavy Industries Co., Ltd. / TIHAMA Power Generation Co., Ltd.,	2012 ~ 2015
27	132kV Meghna River Crossing Tower at Tetia-Kanainagar Point / Bangladesh	Project Management & Procurement Services	Consortium of Hanbaek Co and Sejong Corp. / PGCB, Bangladesh	2013 ~ 2015
28	132kV double circuit underground cable replacing existing Tongi-Mirpur 132kV transmission line / Bangladesh	Project Management & Procurement Services	Consortium of Hanbaek Co and LS Cable. / PGCB, Bangladesh	2013 ~ 2014
29	Iraq West Qurna Phase-2 Project. (TR yard. 132kV & 33kV)	Engineering & Procurement	Sean Enc. / MOE, Iraq	2013 ~ 2014
30	BTIP Upgrading 4 x 220kV Substation Project / Tanzania	Engineering, Procurement and Supervision for Installation & Commissioning	Consortium of GS E&C and Hyosung Corp. / TANESCO, Tanzania	2014 ~ 2016
31	Samcheok Green Power 1&2 Small Hydro Power Plant / Korea	Engineering & Design (Electrical + I&C)	HwaChon Plant / KOSPO, Korea	2014 ~ 2016
32	Saudi Aramco Third Party Cogeneration Projects / Saudi Arabia	Engineering & Design Works for Outgoing Gantry Area	Samsung Engineering Co., Ltd. / Power Cogeneration Plant Co., Saudi Arabia	2014
33	Saudi Aramco Third Party Cogeneration Projects / Saudi Arabia	Procurement for Outgoing Gantry Area	Sean Enc. / Power Cogeneration Plant Co., Saudi Arabia	2014
34	BNCP Social Infra 132kV Power Transmission Line / Iraq	Engineering & Design Works (BASIC)	Hanwha Engineering & Construction / NIC, IRAQ	2015
35	KUMASI 330/161kV Substation Project / Ghana	Engineering & Design Works and Supervision for Installation & Commissioning	GS E&C / GRIDCo, GHANA	2015 ~ 2018
36	JINRO Power 57.8MW PPS, 115KV Substation / Panama	Engineering, Procurement and Supervision for Installation & Commissioning	Hanil Noise & Vibration Co., Ltd. / Jinro Corp., Honduras	2015 ~ 2016. 2

5. EXPERIENCES



- Engineering, Procurement, Construction & Project Management

NO.	PROJECT / COUNTRY	SCOPE OF WORKS	CLIENT / END USER	PERIOD
37	500kV Inter-Connection to Substation for SONGHAU-1 Power Plant(600MW x 2) / Vietnam	Design & Procurement Works	Doosan Heavy Industries & Construction, Korea / PVN, Vietnam	2016 ~ 2018
38	KARABATAN CAPP. 110kV GIS Substation / Kazakhstan	Engineering & Design Works	LSIS / Doosan Heavy Industries, Korea / KUS, Kazakhstan	2016 ~ 2018
39	66kV Substation for Daewoo Amara Hotel / Myanmar	Engineering & Design Works	LSIS / POSCO E&C, Korea	2016
40	SAN GREGORIO 230/138/69kV Substation Expansion. Lot-04 / Ecuador	Engineering & Design Works	LSIS / CELEC, Ecuador	2016 ~ 2018
41	Design, Manufacturing, Supply for 220kV & 500kV Interconnection System for LONGPHU-1 Thermal Power Plant Project / Vietnam	Design & Procurement Works	PJSC "Power Machine", Russia / PVN, Vietnam	2017 ~ Present (hold)
42	EPC CPF Phase-2 at Badra Oilfield, Iraq TR-yard / Iraq	Engineering & Design Works	Sean Enc. / Samsung Eng. /Gazprom Beft Badra B.V., Iraq	2017 ~ 2018
43	Clean Energy and Network Efficiency Improvement Project. MANNAR Transmission Infrastructure–Lot A. 220kV / Sri Lanka	Engineering & Design Works	LSIS / CEB, Sri Lanka	2018 ~ 2020
44	Naga(Visayas) Substation Upgrading Project / Philippines	Design & Procurement for Steel Structure	ABB India Limited / NGCP, Philippines	2018 ~ 2018
45	Package-2 : Renovation Works of Transmission System Loan No. MY-P2 / Myanmar	Engineering & Design Works	Hyundai Engineering & Construction / EPGE, Myanmar	2018 ~ Present
46	National Power Transmission Network Development Project Phase I Loan No. MY-P8 / Myanmar	Engineering & Design Works	Hyundai Engineering & Construction / MOEE, Myanmar	2020 ~ Present
47	230kV Gantry Structure, LA & Misc. for Hawiyah Unayzah Gas Reservoir Storage (HUGRS) Project / Saudi Arabia	Design & Procurement Works	Sean Enc. / Samsung Engineering Co., Ltd. / Saudi Aramco, Saudi Arabia	2020 ~ 2021
48	Southern Extension of the National Electricity Grid Power Transmission Project. (400kV, 230kV, 132kV) / Ethiopia	Preparation of Bidding Document	Byucksan Power Co., Ltd / EEP, Ethiopia	2020 ~ 2022

5. EXPERIENCES



- Engineering, Procurement, Construction & Project Management

NO.	PROJECT / COUNTRY	SCOPE OF WORKS	CLIENT / END USER	PERIOD
49	Construction of Substations for Kigoma-Nyakanazi Transmission Line Project (400kV, 230kV, 132kV) / Tanzania	Preparation of Bidding Document	Byucksan Power Co., Ltd / TANESCO, Tanzania	2021 ~ 2022
50	SK Battery Hungary 2nd Factory / Hungary	Engineering & Design Works	LSE / SK ecoplant, Hungary	2021 ~ 2022
51	Guam Ukudu 198MW CCPP 115kV AIS Substation / Guam	Design & Procurement Works	Doosan Heavy Industries & Construction, Korea / GUAM UKUDU Power	2021 ~ Present
52	Wando-Dongjeju #3 HVDC Converter Station Project	Design & Procurement Works	Hitachi Energy AB HVDC / KEPCO, Korea	2022 ~ Present
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6. PHOTOS



- No. 7 of Section 5 - ASHUGANJ-SERAJGANJ 230KV TRANSMISSION LINE PROJECT / BANGLADESH



6. PHOTOS



- No. 14 of Section 5 - CHAMELIYA Hydroelectric Project Lot-1,2 &3 under EDCF Loan Agreement / Nepal



Hydro Power Generator



132kV Substation

6. PHOTOS



- No. 17 of Section 5 - MEGNAGHAT- AMIN BAZAR 400KV TRANSMISSION LINE PROJECT / BANGLADESH



6. PHOTOS



- No. 18 of Section 5 – 400KV SABIYA CCGT POWER STATION PROJECT / KUWAIT



6. PHOTOS



- No. 20 of Section 5 - 132KV SUBSTATION FOR BERA 70MW PEAKING POWER PLANT PROJECT / BANGLADESH



6. PHOTOS



- No. 21 of Section 5 - 230KV SIDHIRGANJ SUBSTATION / BANGLADESH



Fabrication of 230kV Gas Circuit Breaker(Jan.30, 2013)



Fabrication of 230kV Transformer(Nov.09, 2012)

6. PHOTOS



- No. 26 of Section 5 - TIHAMA COGENERATION EXPANSION PROJECT STAGE-II , 230kV / SAUDI ARABIA



Ju'aymah Gas Plant (JGP)



Uthmaniyah Gas Plant (UGP)

6. PHOTOS



- No. 35 of Section 5 – KUMASI 330/161kV Substation / GHANA



6. PHOTOS



- No. 36 of Section 5 JINRO POWER 57.8MW PPS, 115KV SUBSTATION / PANAMA



115kV Substation for JINRO Power 57.8MW PPS



JINRO Power 57.8MW PPS

7. ISO 9001



Global Inter Certification



Management System Certification Body No.MSCB-108

CERTIFICATE

No. 19-A-0243 Rev.0

This is to certify that the Quality Management System of

FORTEK INC.

of

Rm.904 (Daerung 13-cha, Gasan-dong), 24, Gasan digital 1-ro,
Geumcheon-gu, Seoul, Korea

Company Reg. No.: 119-86-87023

has implemented and documented a quality management system in compliance
with the requirements of the standard

ISO 9001:2015

for

- Planning and Consultancy for HV Transmission & Distribution System
- Engineering and Supply of Equipment for HV Substation & Transmission Line
- Trading of Electrical Equipment

The certificate is issued on the basis of the results mentioned in the pertinent audit report.
Validity of the certificate is conditionally limited by positive results of surveillance audits,
which the certified company committed to undergo.

This certificate can be invalid if the certificate holder does not fulfill the conditions set out in
the certification agreement.






Initial issue date: Dec. 09. 2016
Re-issue date: Nov. 07. 2019
Expire date: Dec. 08. 2022

Tyrone Dyse
Tyrone Dyse
Head of Certification Body

904 E. Windsor Road #101, Glendale, CA 91205
<http://www.gicert.org/>

Global Inter Certification



Management System Certification Body No.MSCB-108

품질경영시스템인증서

No. 19-A-0243 Rev.0

주식회사 포텍

서울특별시 금천구 가산디지털 1로 24 904 호 (가산동, 대동 13 자)
사업자등록번호: 119-86-87023

하기 규격에 따라 품질경영시스템이 적격하게 수립 및 유지됨을 확인함




ISO 9001:2015

인증범위

- 고전압 송배전 계획 및 컨설팅
- 고전압 송배전 설계 및 자재 공급
- 전기자재의 무역

본 인증서는 적절한 심사결과에 근거하여 발행되었으며, 인증서의 유효성은
정해진 주기에 따른 사후심사의 긍정적인 결과를 조건으로 유지 됨.

인증표준계약에 따라 상기 인증주체의 의무를 이행하지 않을 경우 인증서의
유효성은 무효가 될 수 있음.

최초 발행일: 2016. 12. 09
재발행일: 2019. 11. 07
만료일: 2022. 12. 08

Tyrone Dyse
Tyrone Dyse
Head of Certification Body

904 E. Windsor Road #101, Glendale, CA 91205
<http://www.gicert.org/>



8. END USER'S CERTIFICATES

SEJONG CORPORATION

Address: 961-3, Jangjeon-Dong, Cheongju-City, Chungcheong Province, Korea (Tel. +82-43-255-5771(Fax) -43-255-5545)

Date: November 2, 2007

PERFORMANCE CERTIFICATE

This is to certify that M/S FORTEK Inc., Korea as a subcontractor, has executed the Bid Preparation, Technical Clarification & Procurement Service and also, supported the Project Management from June 2005. They have carried out with the timely response and successful execution for this project. We have therefore completed this Project successfully and got the TOC from PGCBL as our client on October 24, 2007.

Project Name
Energy Power Network Expansion Project (Project: G0148-00-07-ETDPC-CORSAKASU) Network and Equipment supplies for the installation of Namsan, Posa and Miraflores Substations.

Work Contract Amount
\$60,723,684 (USD) approx. USD 4,979,200 (-)

Description of works
126 KV Substation and auxiliary equipment to complete comprising of the following:

- 126KV & 25 KV Main Power Transformers
- 126 KV Power Casing Switcher
- 126 KV Reactor
- 126 KV Current Transformer and Capacitive Voltage Transformer
- 126 KV Surge Arrester
- Control and Protection Panel, 22 KV Metal clad Switchgear
- Power Line Cables
- Substation Automation System
- Control Cabinet, Transformer, Meter Structures, etc.

Yours faithfully,
Y. J. Chang
General Manager
Power T&E and SI Unit

SEJONG CORPORATION

Address: 961-3, Jangjeon-Dong, Cheongju-City, Chungcheong Province, Korea (Tel. +82-43-255-5771(Fax) -43-255-5545)

Date: November 2, 2007

PERFORMANCE CERTIFICATE

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Project Name
Contract No. 18852 for Design-Build and Turnkey Contract for Construction of 230KV Ahangpang-Songpang Transmission Line under West Zone Power System Development Project.
(ADB Loan No. 18841801-BANGSDP) of Power Grid Company of Bangladesh Ltd.

Project Description
230KV Transmission Line with twin conductor, double circuit including over crossing tower. Total Length is 138km.

List of Major Materials
Steel Tower: 3500nos including Jinx of River Crossing Tower (13nos),
Conductor: 27KVA AAC-1, 2700nos, 125KVSAACSR-10nos
Insulator(CORAL, 230KV & 120KV) : 64,000nos
Pins, EPDM with Accessories and Tools

Yours faithfully,
Chairman, Kim Jong-Su

L.B International Corp.

Address: 1020, Gyeongin-Dong, Gyeonggi-Do, Seoul, Korea (Tel. +82-2-6398-2000)

Date: November 2, 2007

PERFORMANCE CERTIFICATE

This is to certify that M/S FORTEK Inc., Korea as a subcontractor, has executed the Bid Preparation, Technical Clarification & Procurement Service and also, supported the Project Management from June 2005. They have carried out with the timely response and successful execution for this project. We have therefore completed this Project successfully and got the TOC from PGCBL as our client on October 24, 2007.

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Project Description
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List of Major Materials
Steel Tower: 3500nos including Jinx of River Crossing Tower (13nos),
Conductor: 27KVA AAC-1, 2700nos, 125KVSAACSR-10nos
Insulator(CORAL, 230KV & 120KV) : 64,000nos
Pins, EPDM with Accessories and Tools

Yours faithfully,
Chairman, Kim Jong-Su

পাওয়ার গ্রীড কোম্পানী অব বাংলাদেশ লিমিটেড
POWER GRID COMPANY OF BANGLADESH LTD.
(An Enterprise of Bangladesh Power Development Board)

Date: November 2, 2007

CERTIFICATE OF APPRECIATION

May it be known by all who read this that this Certificate of Appreciation has been presented to FORTEK Inc., for their contribution as the Project Consulting and the turnkey contractor for 230 Transmission Line under PGCBL.

Presented this 18th day of December, 2007

Engr. Md. Mozammel Hossain
General Manager
Power Grid Company of Bangladesh Ltd.

GS E&C

Date: October 26, 2007

PERFORMANCE CERTIFICATE

This is to certify that M/S FORTEK Inc., Korea as a subcontractor for design and engineering services has completed the following activities from November 2005. They have carried out with the timely response and successful execution for this project. We have therefore completed this Project successfully and got the TOC from PGCBL as our client on October 24, 2007.

Project Name
Design, Supply, Delivery, Testing and Commissioning of 230KV Substation at Daulajpur in Narsingdi Area under CMA Contract No. 199-02 (Contract No. GS-230V Subst. 199-02/07)

Project Description
New 230KV substation
1x126 KV circuit breaker system for connection to 230KV overhead line by two 230KV circuit breakers of the same but alternative make and bus bar with 126 KV 1000 Amp rating air bus of 230KV/126KV/110KV/66KV/33KV/22KV/11KV/0.4KV three phase arrangement
2x230KV Substation
Installation works for 2x230KV circuit breakers of the same of 230KV substation

FORTEK's activities
Design, Procurement, Test and Commissioning of building engineering services, Design & Engineering, Construction, maintenance of all quantity, installation of electrical for tender part and acceptance for works after completion on 24th September 2007 (18 July 2007)

Yours faithfully,
O S Engineering and Construction
Yoon Pilsook
Hyun-Jang

DAEWOO

Address: 100, Daejeon-Dong, Daejeon-City, Chungcheong Province, Korea (Tel. +82-42-250-1111)

Date: 2004. 6. 23

PERFORMANCE CERTIFICATE

This is to certify that FORTEK Inc., has successfully carried out the procurement service as a sub-contractor for the contract of:

TANESCO ELECTRICITY IV PROJECT PHASE III, IFTB No. 1819-26-1262, TANZANIA

The procurement service comprises:

- 26,700 pieces of hardware,
- 1,263 nos of ACBR, Conductor and Insulated cable,
- 759 nos of LV Protection switch and Surge Arrester,
- 240 nos of nos of low backbone & fitting.

The scope of work covered to make an estimation, commercial/technical evaluation, negotiation, order and expediting of delivery on behalf of Daewoo International Corporation.

FORTEK Inc.'s performance has been satisfactory.

For Daewoo International Corporation
Park H.S. Son
Deputy General Manager
Power Team III

HYUNDAI

Address: 100, Daejeon-Dong, Daejeon-City, Chungcheong Province, Korea (Tel. +82-42-250-1111)

Date: 2004. 6. 23

Certificate of Experience

Attention: To whom it may concern,

We, Hyundai Heavy Industries Co., Ltd., certify that M/S L.B. Int'l. Co., who is registered company under the law of Republic of Korea, have completed the 230V Substation at Daulajpur.

Project
Site Name: 888A, 2nd of Posing Power Plant in Bangladesh
Project Location: Bangladesh Power Development Board (BPD), Dhaka
Date of Completion: Aug. 21, 2007

Scope of work
Construction of 230V Substation consisting of:

- 1 x 132KV OMR Line, 2 x 11.5KV OMR Line, 2 x 21.1KV OMR Line, 2 x 11.5KV OMR Line, 2 x 11.5KV OMR Line, 2 x 11.5KV OMR Line, 2 x 11.5KV OMR Line

Subcontractor's name as a contractor was: Daewoo International Corporation

We are glad to certify that M/S FORTEK Inc., has carried out the work in accordance with the terms of contract and within the scheduled time for completion.

The Substation is in good performance working condition with all the components.

Sincerely yours,
Yang Ho Chol, Project Manager

বাংলাদেশ বিদ্যুৎ উন্নয়ন বোর্ড
Bangladesh Power Development Board

Address: 88, Shaheed Raza Road, Dhaka-1000, Bangladesh (Tel. +88-2-9561222)

Date: 11/09/2012

Certificate of Experience

Attention: To whom it concern,

This is to certify that M/S FORTEK Inc., who is registered company under the law of Republic of Korea, has completed the 230V Substation at Daulajpur.

Project
Site Name: 888A, 2nd of Posing Power Plant in Bangladesh
Project Location: Bangladesh Power Development Board, Bangladesh.
Date of Completion: Aug 21, 2007

Scope of work
Construction of 230V Substation consisting of:

- 1 x 132KV OMR Line, 2 x 11.5KV OMR Line, 2 x 21.1KV OMR Line, 2 x 11.5KV OMR Line, 2 x 11.5KV OMR Line, 2 x 11.5KV OMR Line, 2 x 11.5KV OMR Line

Subcontractor's name as a contractor was: Daewoo International Corporation

We are glad to certify that M/S FORTEK Inc., has carried out the work in accordance with the terms of contract and within the scheduled time for completion.

The Substation is in good performance working condition with all the components.

Sincerely yours,
Engr. Md. Nazrul Islam
Project Director
888A, 2nd of Posing Power Plant
Construction Project
BPD, Dhaka.

পাওয়ার গ্রীড কোম্পানী অব বাংলাদেশ লিমিটেড
POWER GRID COMPANY OF BANGLADESH LTD.
(An Enterprise of Bangladesh Power Development Board)

Date: November 23, 2012

TO WHOM IT MAY CONCERN

This is to certify that Mr. K.J. Kim Managing Director, FORTEK Inc., Seoul, Korea is personally known to us since 1992. Since he is present company for rendering consultancy services for preparation of International tender bill of offer of Power Projects, Contract negotiation and technical support during contract execution etc. The similar services he has also rendered to PGCBL International Ltd. of PGCBL. Signing Contractive joint venture in the ongoing contract for design, build and turnkey contract for construction of 141 KV Ring Ahangpang-Songpang 230KV Transmission Line of Power Grid Company of Bangladesh (PGCB) Ltd.

I wish him further success in business.

Project Director
Engr. Md. Mozammel Hossain
Deputy General Manager
Power Grid Company of Bangladesh Ltd.

Joint Venture HANBAK CO., Ltd.

Date: November 23, 2012

PERFORMANCE CERTIFICATE

This is to certify that M/S FORTEK Inc., Korea as a subcontractor for design and engineering services has completed the following activities from November 2005. They have carried out with the timely response and successful execution for this project. We have therefore completed this Project successfully and got the TOC from PGCBL as our client on October 24, 2007.

Contract Name
Design, Supply, Delivery, Testing and Commissioning of 230KV Substation at Daulajpur in Narsingdi Area under CMA Contract No. 199-02 (Contract No. GS-230V Subst. 199-02/07)

Contract No.
GS-230V Substation

Description of the facilities or work performed
New 230KV substation
1x126 KV circuit breaker system for connection to 230KV overhead line by two 230KV circuit breakers of the same but alternative make and bus bar with 126 KV 1000 Amp rating air bus of 230KV/126KV/110KV/66KV/33KV/22KV/11KV/0.4KV three phase arrangement
2x230KV Substation
Installation works for 2x230KV circuit breakers of the same of 230KV substation

FORTEK's activities
Design, Procurement, Test and Commissioning of building engineering services, Design & Engineering, Construction, maintenance of all quantity, installation of electrical for tender part and acceptance for works after completion on 24th September 2007 (18 July 2007)

Yours faithfully,
Engr. Md. Mozammel Hossain
Project Director
Power Grid Company of Bangladesh Ltd.

8. END USER'S CERTIFICATES



HYUNDAI
HEAVY INDUSTRIES CO., LTD.

To whom it may concern,

We, Hyundai Heavy Industries Co., Ltd. and its subsidiary JINRO P&C, who is registered company under the law of Republic of Korea, have performed the 220KV substation work as below:

Project - Tachon Power Expansion Project
Site Name - Tachon Power Generation Co., Ltd. / Ssang
Work of Completion - 2014.01.30
Scope of Work - Design of 220KV substation, Supply of 220KV Substation Equipment, Testing and Commissioning

We also certify that JINRO P&C has carried out the work in accordance with the terms of contract and within the scheduled time for completion.

The contractual activities have been completed to the satisfaction of all parties.

Sincerely yours,

By: *[Signature]*
 Vice President of Hyundai Heavy Industries Co., Ltd.

JINRO

To whom it may concern,

We, JINRO CORPORATION, under the law of JINRO P&C, who is registered company under the law of Republic of Korea, have performed the 220KV substation work as below:

Project - JINRO POWER EXPANSION
Site Location - JINRO CO-OPERATION
Date of Completion - February 29, 2014
Scope of Work - Supply of 220KV Substation and Transformation work
 - Supply of 220KV Substation Equipment
 - Supply of 220KV Substation Transformer
 - Supply of 220KV Substation Busbar
 - Supply of 220KV Substation Control System
 - Supply of 220KV Substation Control System
 - Supply of 220KV Substation Control System
 - Supply of 220KV Substation Control System

We also certify that JINRO P&C has carried out the work in accordance with the terms of contract and within the scheduled time for completion.

The contractual activities have been completed to the satisfaction of all parties.

Sincerely yours,

By: *[Signature]*
 Vice President of JINRO CORPORATION

GS E&C

Date: April 03, 2017

PERFORMANCE CERTIFICATE

This is to certify that JINRO P&C, who is a subcontractor for design and engineering works, have successfully completed the following activities from Feb. 29, 2014. They have successfully carried out their obligations under the contract from the start to the completion of this project. We have therefore completed the project successfully and obtained the OAC (Operational Acceptance Certificate) from JINRO P&C, our client on 02P Oct. 2014.

PROJECT NAME
 DESIGN, SUPPLY AND INSTALLATION FOR UPGRADE FOUR 220KV SUBSTATION (IN TACHON OF TACHON, INCUBON, JINRO-DAEJONG AND TACHON) UNDER LIMITED SCHEDULE THROUGH OPERATIONAL ACCEPTANCE TRANSFERRED INVESTMENT PROJECT (SPECIAL INVESTMENT CASE)

PROJECT DESCRIPTION

1.1 New 220KV Substation in Double Busbar
 a. Supply and installation of one (1) Overhead line feeder
 b. Supply and installation of one (2) Reactor feeder within one set of 220KV 800kVA Reactor
 c. Supply and installation of one (1) Bus-coupler feeder

1.2 Existing 220KV Substation
 a. Modification work from Single Busbar into Double Busbar system
 - One (1) Overhead line feeder
 - One (2) Transformer feeder
 - One (1) Bus-coupler feeder
 - One (1) Bus feeder
 b. Integration of one (1) SEC 61830 Substation Control system of old existing 220KV 230kV Feeder

2.2 New 220KV Substation in double busbar
 a. Supply and installation of one (2) Overhead line feeder
 b. Supply and installation of one (1) Reactor feeder within one set of 220KV 800kVA Reactor
 c. Supply and installation of one (1) Bus-coupler feeder

2.3 Existing 220KV Substation
 a. Modification work from Single Busbar into Double Busbar system
 - One (1) Overhead line feeder
 - One (2) Transformer feeder
 - One (1) Bus feeder
 b. Integration of one (1) SEC 61830 Substation Control system of old existing 220KV 230kV Feeder

GS Engineering and Construction
 Vice President
[Signature]
 Heungsang Jung

GS E&C

PORTER'S ACTIVITIES
 Design for Execution, Technical coordination during bidding stage
 (From Dec. 2011)
 - Initial design & engineering, calculation, BOM of quantity, technical evaluation of vendor prices and preparation for site work (From Dec. 17, 2014 to June 30, 2015)

We also certify that JINRO P&C has carried out the work in accordance with contractual specifications and the activities have completed all parties.

Yours faithfully

GS Engineering and Construction
 Vice President
[Signature]
 Heungsang Jung

GS E&C

Date: April 03, 2017

PERFORMANCE CERTIFICATE

This is to certify that JINRO P&C, who is a subcontractor for design and engineering works, have successfully completed the following activities from Oct. 2011. They have successfully carried out their obligations under the contract from the start to the completion of this project. We have therefore completed the project successfully and obtained the OAC (Operational Acceptance Certificate) from JINRO P&C, our client on 17 Dec. 2015.

PROJECT NAME
 DESIGN, SUPPLY AND INSTALLATION FOR UPGRADE FOUR 220KV SUBSTATION (IN TACHON OF TACHON, INCUBON, JINRO-DAEJONG AND TACHON) UNDER LIMITED SCHEDULE THROUGH OPERATIONAL ACCEPTANCE TRANSFERRED INVESTMENT PROJECT (SPECIAL INVESTMENT CASE)

PROJECT DESCRIPTION

1.1 New 220KV Substation
 a. Supply and installation of one (1) Overhead line feeder
 b. Supply and installation of one (2) Reactor feeder within one set of 220KV 800kVA Reactor
 c. Supply and installation of one (1) Bus-coupler feeder
 - 20 nos of Overhead line
 - 4 nos of Overhead line including JINRO-DAEJONG, JINRO-DAEJONG and JINRO-DAEJONG
 - 2 nos of Reactor feeder
 - 2 nos of Bus-coupler feeder
 d. Integration of one (1) SEC 61830 Substation Control system of old existing 220KV 230kV Feeder

1.2 Existing 220KV Substation
 a. Modification work from Single Busbar into Double Busbar system
 - One (1) Overhead line feeder
 - One (2) Transformer feeder
 - One (1) Bus feeder
 b. Integration of one (1) SEC 61830 Substation Control system of old existing 220KV 230kV Feeder

2.2 New 220KV Substation in double busbar
 a. Supply and installation of one (2) Overhead line feeder
 b. Supply and installation of one (1) Reactor feeder within one set of 220KV 800kVA Reactor
 c. Supply and installation of one (1) Bus-coupler feeder

2.3 Existing 220KV Substation
 a. Modification work from Single Busbar into Double Busbar system
 - One (1) Overhead line feeder
 - One (2) Transformer feeder
 - One (1) Bus feeder
 b. Integration of one (1) SEC 61830 Substation Control system of old existing 220KV 230kV Feeder

PORTER'S ACTIVITIES
 - Design for Execution, Technical coordination during bidding stage (From Dec. 2011)
 - Initial design & engineering, calculation, BOM of quantity, technical evaluation of vendor prices and preparation for site work (From Dec. 17, 2014 to June 30, 2015)

HYOSUNG CORPORATION
 Project Manager
[Signature]
 TAR KUNGSUN

GS E&C

We also certify that JINRO P&C has carried out the work in accordance with contractual specifications and the activities have completed all parties.

Yours faithfully

GS Engineering and Construction
 Vice President
[Signature]
 Heungsang Jung

HYOSUNG CORPORATION

Date: May 10, 2017

PERFORMANCE CERTIFICATE

This is to certify that JINRO P&C, who is a subcontractor for design and engineering works, have successfully completed the following activities from Dec. 17, 2014. They have successfully carried out their obligations under the contract from the start to the completion of this project. We have therefore completed the project successfully and obtained the OAC (Operational Acceptance Certificate) from JINRO P&C, our client on 02P Oct. 2014.

PROJECT NAME
 DESIGN, SUPPLY AND INSTALLATION FOR UPGRADE FOUR 220KV SUBSTATION (IN TACHON OF TACHON, INCUBON, JINRO-DAEJONG AND TACHON) UNDER LIMITED SCHEDULE THROUGH OPERATIONAL ACCEPTANCE TRANSFERRED INVESTMENT PROJECT (SPECIAL INVESTMENT CASE)

PROJECT DESCRIPTION

1.1 New 220KV Substation
 a. Supply and installation of one (1) Overhead line feeder
 b. Supply and installation of one (2) Reactor feeder within one set of 220KV 800kVA Reactor
 c. Supply and installation of one (1) Bus-coupler feeder

1.2 Existing 220KV Substation
 a. Modification work from Single Busbar into Double Busbar system
 - One (1) Overhead line feeder
 - One (2) Transformer feeder
 - One (1) Bus feeder
 b. Integration of one (1) SEC 61830 Substation Control system of old existing 220KV 230kV Feeder

2.2 New 220KV Substation in double busbar
 a. Supply and installation of one (2) Overhead line feeder
 b. Supply and installation of one (1) Reactor feeder within one set of 220KV 800kVA Reactor
 c. Supply and installation of one (1) Bus-coupler feeder

2.3 Existing 220KV Substation
 a. Modification work from Single Busbar into Double Busbar system
 - One (1) Overhead line feeder
 - One (2) Transformer feeder
 - One (1) Bus feeder
 b. Integration of one (1) SEC 61830 Substation Control system of old existing 220KV 230kV Feeder

HYOSUNG CORPORATION
 Project Manager
[Signature]
 TAR KUNGSUN

HYOSUNG CORPORATION

PORTER'S ACTIVITIES
 Design for Execution, Technical coordination during bidding stage, tender prices and preparation for site work (From Dec. 17, 2014 to June 30, 2015)

We also certify that JINRO P&C has carried out the work in accordance with contractual specifications and the activities have completed all parties.

Yours faithfully

HYOSUNG CORPORATION
 Project Manager
[Signature]
 TAR KUNGSUN

Thank you!

