

SERVING THE HEALTHCARE SECTOR



Engineering Change...
Changing Lives.

Hospitals & Health Centres

Al Masarra Hospital at Al Amerat - 250 Beds



1. 250 Bed New Psychiatric Hospital at Al Amerat
2. 380 Bed General Hospital at Sohar
3. 280 Bed General Hospital at Sur
4. 250 Bed General Hospital at Rustaq
5. 240 Bed General Hospital at Ibra
6. 250 Bed General Hospital at Ibri
7. Royal Suites for HM at General Hospital, Sur
8. Royal Suites for HM at General Hospital, Ibra
9. Hospital at Al Kahal
10. Muscat Private Hospital
11. New Radiology, Pediatric and MRO at Armed Force Hospital, Al Khoudh
12. Health Centre at Bahla
13. Health Centre at Sur
14. Health Centre at Nizwa
15. Health Centre at Ibra
16. Health Centre at Buraimi
17. Health Centre at Sohar
18. Health Centre at Seeb
19. Extension of Sumail Hospital
20. Hospital at Mirbat
21. Obstetrics and Gynecology Clinic at Wattayah
22. Genetic Centre at Bausher
23. Tertiary Clinic at Salalah

MEP Services include :

H.V.A.C. System
Electrical Services & HT Substation
Plumbing & Sanitation
Building Management System
Fire Fighting & Alarm System
Diesel Power
Boilers
Laundry Equipment
Kitchen Equipment
UPS
Elevators
OT Lighting & Surgical Panels
Incinerators
Medical Call System
Operation & Maintenance



Scope of Work

The specialty hospital involves Civil works and specialized MEP Services for the complete Hospital & Accommodation Blocks for Doctors & Junior Staff. The MEP services include the following:

1. The Air-conditioning System comprises of 11 Nos. (10 Nos. working & 1 No. Standby) Air-cooled Screw Chillers of 255 TR each, 39 Nos. Double Skin Air Handling Units and 71 Nos. Fan Coil Units with HEPA filters for the Operation Theatre and Building Management System.
2. Specialist systems like Medical Gases, Nurse Call System, CSSD, Vacuum, LPG compressed air.
3. Kitchen & Laundry Equipment, Incinerators, Boilers
4. Standby D.G. Sets (2 x 1600 KVA, 1 x 1025 KVA) & 8 nos. UPS of various ratings.
5. Fire Alarm System – 2100 Devices.

6. Incoming Power supply including 33 KV Primary Substation, 33 & 11KV Switchgear, Power Transformers, Ring Main Units.

7. Operation Theatre surgical panels and lighting.

8. Low Current Systems such as Structured cabling, Intercom, PA/ BGM, SMATV, CCTV system, Access Control, Nurse Call, Master Clock, AV System, Central battery system.

9. Complete plumbing works including water supply, drainage etc.

10. Water treatment & Sewage Treatment Plants

11. Chemical waste (laboratory waste) collection system

12. Swimming Pool & Fountain

13. Irrigation & Landscaping

Founded in 1977, Bahwan Engineering Group (BEC), is the flagship of the Suhail Bahwan Group, one of Oman's foremost business houses. The Group's unflagging penchant for evolution has helped it emerge as one of the largest engineering construction groups in Oman. From a larger perspective, it has firmly placed the Sultanate in the global arena. The sky's the limit now.

For over three decades, the BEC has been associated with nation-building projects, ushering change not only in Oman but in the UAE too. Its core values of synergy, excellence and commitment have enabled BEC to successfully execute numerous projects to exacting standards, and literally change the face of the industry as a result. It is this commitment to change that has helped BEC emerge as one of the largest engineering construction groups in the Sultanate.

BEC, today, executes integrated multi-disciplinary construction projects under one umbrella, involving civil, mechanical, electrical construction, elevators and escalators, diesel power generation, trading in electrical and mechanical products and facilities management services in Oman and the UAE. With more than 14,000 employees, including 700 engineers, the BEC group has established itself as the leader in integrated construction projects in sectors such as Oil, Gas and Power Projects, High Voltage Transmission and Distribution projects, Airports, Hotels, Hospitals and Commercial-Residential Complexes.

The Company has been operating in the UAE since 1995 with the construction of the Greenfield DEWA substations followed by two large power projects, the Al Aweer station and Jebel Ali 'D' station at Jebel Ali. BEC debuted their M&E project execution doing the works at Fujairah power plant and carried on with the M&E works for a large residential complex with 7 multi-storey buildings and a hotel on Palm Island on the Dubai coast.

General Hospital at Sohar - 380 Beds



Scope of Work

Complete MEP Services for the Hospital & Accommodation Blocks for Doctors & Junior Staff. The MEP works include:

1. The Air-conditioning System comprises of 9 Nos. Air-cooled Chillers of 190 TR capacities each (out of which 2 nos. were heat recovery chillers), 62 Nos. Double Skin Air Handling Units with heat and 250 Nos. Fan Coil Units. The AHUs for critical areas such as Operation Theater, ICUs etc. are with HEPA (High Efficient Particulate Air Filter) and with Laminar Flow Air Terminals
2. Building Management System controlling / monitoring Air-conditioning system, Hot/cold water system, water tanks
3. Specialist systems like Medical Gases, Nurse Call System, Vacuum & compressed air
4. Kitchen & Laundry Equipment, Incinerators, Boilers including flues & chimney
5. Standby D.G. Sets (2 x 700 KW, 1 x 450 KW) & 10 nos. UPS system
6. 11KV Switchgear, Transformers, Ring Main Units
7. Lighting & small power including Operation Theatre surgical panels and lighting
8. Low Current Systems such as structured cabling, Intercom, PA/BGM, SMATV, Restricted entry system
9. Fire Fighting & Fire alarm system
10. Complete plumbing works including water supply, drainage etc.
11. Water treatment & Sewage Treatment Plants
12. Chemical waste (laboratory waste) collection system

New General Hospital at Ibra - 240 Beds



Scope of Work

Complete Civil works and specialized MEP Services for the Hospital & Accommodation Blocks for Doctors & Junior Staff. The MEP services include the following:

1. The Air-conditioning System comprises of 12 Nos. Air-cooled Chillers of 150 TR each, 39 Nos. Double Skin Air Handling Units and 155 Nos. Fan Coil Units with high efficiency Absolute filters for the Operation Theatre and Building Management System.
2. Specialist systems like Medical Gases, Nurse Call System, Vacuum & compressed air.
3. Kitchen & Laundry Equipment, Incinerators, Boilers.
4. Standby D.G. Sets (1 x 1000 KW, 2 x 800 KW, 1 x 620 KW) & 4 nos. UPS system.
5. Fire Alarm System.
6. Incoming Power supply including 33 KV Primary Substation, 33 & 11KV Switchgear, Power Transformers, Ring Main Units.
7. Operation Theatre surgical panels and lighting.
8. Low Current Systems such as Fire alarm, structured cabling, Intercom, PA/ BGM, SMATV, Restricted entry system.
9. Complete plumbing works including water supply, drainage etc.
10. Water treatment & Sewage Treatment Plants.
11. Chemical waste (laboratory waste) collection system.
12. 15 KM pipe work for incoming water supply incl. Borewell

General Hospital at Sur - 280 Beds



Scope of Work

Complete Civil works and specialized MEP Services for the Hospital & Accommodation Blocks for Doctors & Junior Staff. The MEP works include:

1. The Air-conditioning System comprises of 12 Nos. Air-cooled Chillers of 150 TR capacity each, 44 Nos. Double Skin Air Handling Units and 182 Nos. Fan Coil Units. The AHUs for critical areas such as Operation Theater, ICUs etc. are with HEPA (High Effluent Particulate Air Filter) and with Laminar Flow Air Terminals
2. Specialist systems like Medical Gases, Nurse Call System, Vacuum & compressed air
3. Medical equipment such as CSSD, Dirty Utility etc.
4. Laboratory furniture
5. Kitchen & Laundry Equipment, LPG, Incinerators, Boilers including flues & chimney
6. Steam piping distribution network for Boilers, Calorifiers, Humidifiers
7. Standby D.G. Sets (1 x 1000 KW, 1 x 800 KW, 2 x 620 KW) & 4 nos. UPS system
8. Incoming Power supply including 33 KV Primary Substation, 33 & 11KV Switchgear, Power Transformers, Ring Main Units.
9. Lighting & small power including Operation Theatre surgical panels and lighting, External Lighting
10. Low Current Systems such as structured cabling, Intercom, PA/BGM, SMATV, Restricted entry system
11. Fire Fighting & Fire alarm system
12. Complete plumbing works including water supply, drainage etc.
13. Water treatment & Sewage Treatment Plants
14. Chemical waste (laboratory waste) collection system

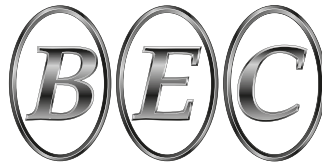
General Hospital at Rustaq - 250 Beds



Scope of Work

Complete MEP Services for the Hospital & Accommodation Blocks for Doctors & Junior Staff. The MEP works include:

1. The Air-conditioning System comprises of 6 No. Air-cooled Chillers of 250 TR capacities each, 42 No. Double Skin Air Handling Units with 250 No. Fan Coil Units with high efficiency Absolute filters for the Operation Theatre.
2. Specialist systems like Medical Gases, Nurse Call System, Vacuum & compressed air.
3. Kitchen & Laundry Equipment, Incinerators, Boilers including flues & chimney.
4. Steam piping distribution network for Boilers, Calorifiers, Humidifiers.
5. Fire Fighting & Fire alarm system.
6. Standby D.G. Sets (2 x 1250 KW), 4 nos. UPS system.
7. 11KV Switchgear, Transformers, Ring Main Units.
8. Operation Theatre surgical panels and lighting.
9. Low Current Systems such as structured cabling, Intercom, PA/BGM, SMATV, Restricted entry system
10. Complete plumbing works including water supply, drainage etc.
11. Water treatment & Sewage Treatment Plants.
12. Chemical waste (laboratory waste) collection system.



G R O U P

OMAN ♦ DUBAI ♦ ABU DHABI

CORE ACTIVITIES

Oil, Gas & Power Projects

Electro-Mechanical Services

District Cooling

Civil Construction

Electrical Projects

Facilities Management & Maintenance

Elevators & Escalators

Diesel Power Generation

Water & Waste Water Projects

Electrical Products

Mechanical Products

Chemical & Industrial Products

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