

## OSS Major Project Reference List (Year 1990 - 2023)

S No	Project Description	Client / Location	Type / Application	Rating / Capacity / Qty	Award Year	OSS Scope of Work	Major Make/Models used in Project	System Placement (Indoor / Outdoor)	Type of Connection (MV with transformer, LV, DC, Export or self consumption)	O & M Services (Years)
1	NiCd Battery at PDO Sites	Petroleum Development Oman (PDO), Oman	Battery	HBL NiCd	2023	Supply	<b>Battery</b> : HBL, India	<b>Battery</b> : Indoor	Self Consumption	1 Year
2	UPS systems for Manah Health Centre	Ministry of Health (MOH), Oman	UPS System & Battery	10Kva (3P/3P) UPS x 1 No with 30Min Back up	2023	Supply, Testing & Commissioning	<b>UPS System &amp; Battery</b> : BPC	<b>UPS System &amp; Battery</b> : Indoor	230vac, Emergency Power Back up	1 Year
3	Design, Engg & Supply Eaton Inverter & 100kva Volvo Eicher Diesel Genset for various OBB POP Sites	Oman Broadband (OBB), Oman	Inverter & Generator	Eaton Matrix 2000 Standalone Inverter & 100Kva Generator	2023 & 2024	Supply, Testing & Commissioning	<b>Inverter</b> : Eaton & <b>Generator</b> : Eicher Volvo	<b>Inverter</b> : Indoor & <b>Generator</b> : Outdoor	230vac, Emergency Power Back up	1 Year
4	Solar PV off Grid / Stand Alone Power System	Petroleum Development Oman (PDO), Oman	SPS (Off Grid)	46 Sets for Oil Wells 2023 & 2024	2023	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>PV Module</b> : Canadian Solar, <b>Charge Controller</b> : DST & <b>Batteries</b> : Exide, GNB	<b>PV Module</b> : Ground Mount & <b>Charge Controller &amp; Battery</b> : Enclosure	24VDC, Self Consumption	1 Year
5	Battery Replacement (3000Ah) at TCC Building, Barka Exc, Seeb Falcon	Oman Telecommunications Company (OmanTel), Oman	Batteries	3000Ah/2Vx24 Cells x 4 Sets	2023	Dismantling, Supply, Installation, Testing & Commissioning	<b>Battery</b> : TBC	<b>Battery</b> : Indoor	230Vac, Self Consumption	1 Year
6	Various UPS for DISC Salalah Project	Dhofar Integrated Services Company S.A.O.C (DISC), Oman	UPS System & Battery	1Kva, 0.5Kw x 14 No & 2Kva, 0.7Kw x 2No with 45 Min back up	2023	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>UPS System &amp; Battery</b> : BPC	<b>UPS System &amp; Battery</b> : Indoor	230vac, Emergency Power Back up	1 Year

7	Supply & Installation of Eaton 750KVA Redundant UPS with Samsung Li Battery x 2 No for Salalah Cable landing station for Equinix / Omantel	Oman Telecommunications Company (OmanTel), Oman	UPS System & Battery	750 KVA Modules UPS Redundant UPS System with Samsung Li Battery x 2 No	2023, Under Execution	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning	<b>UPS System :</b> Eaton & <b>Battery :</b> Samsung Li Battery	<b>UPS System &amp; Battery :</b> Indoor	230Vac, Self Consumption	3 Years
8	Solar PV Grid Connected for Car part & Roof Top Facility at Ibri	Daleel Petroleum, Oman	SPS (Grid Connect)	198 Kwp	2023, Under Execution	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning	<b>PV Module :</b> Bifacial, Canadian Solar & <b>Inverter :</b> Huawei	<b>PV Module :</b> Roof Top & Car Park & <b>Inverter :</b> Outdoor	LV, Feed in Tariff Scheme (Expected Energy Production Approx 344.4 MWh/Year)	2 Years
9	Solar PV off Grid / Stand Alone Power System (Load : 208W/24vdc, 48 Hrs) for OXY Radio Towers in Wadi Laitham	Occidental of Oman (OXY), Oman	SPS (Off Grid)	12 Sets	2022	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>PV Module :</b> Canadian Solar, <b>Charge Controller :</b> Morning Star & <b>Batteries :</b> Exide, GNB	<b>PV Module :</b> Ground Mount & <b>Charge Controller &amp; Battery :</b> Enclosure	24VDC, Self Consumption	1 Year
10	DC Rectifier System with Battery	Petroleum Development Oman (PDO), Oman	DC Rectifier System & Battery	18 Sets	2022	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning	<b>DC System :</b> Eltek; & <b>Battery :</b> Exide Absolyte	<b>DC System &amp; Battery :</b> Shelter	48VDC, Self Consumption	1 Year
11	Supply & Installation of Modules UPS, Isolation Transformer, Load Bank & DC System for Omantel Barkha Project	Oman Telecommunications Company (OmanTel), Oman	UPS System & Battery	250 KVA with 6 x 50A Modules, 500KVA Transformer, 300KW LOAD BANK & 6000A DC System	2022	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning	<b>UPS &amp; X Mer System :</b> BPC & <b>Battery :</b> TBC & <b>DC Sys :</b> Delta / <b>Battery :</b> TBC	<b>UPS &amp; DC System &amp; Battery :</b> Indoor	48VDC & 230Vac, Self Consumption	3 Year Frame Contract
12	Solar PV Grid Connected for Car port & Roof Top for OICT CIIF Facility at Sohar Port	Hutchison Port Holdings Limited, Oman	SPS (Grid Connect)	1.27 Mwp	2022	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning	<b>PV Module :</b> Canadian Solar & <b>Inverter :</b> Sungrow	<b>PV Module :</b> Roof Top & Car Park & <b>Inverter :</b> Outdoor	LV, Feed in Tariff Scheme (Expected Energy Production Approx 2000 MWh/Year )	2 Years
13	Batteries for Various PDO Sites	Petroleum Development Oman (PDO), Oman	Battery	336 Nos + 720 Nos + 144 Nos + 80 Nos	2022 & 2023	Supply, Installation, Testing & Commissioning	<b>Battery :</b> TBC	<b>Battery :</b> Shelter	Self Consumption	1 Year

14	Solar PV Grid Conncted System for Oman Investment Authority (OIA) Building at Al Khuwair	Oman Tourism Development Company (OMRAN), Oman	SPS (Grid Connect)	525.85 KWp	2022	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning	<b>PV Module :</b> Canadian Solar & <b>Inverter :</b> ABB	<b>PV Module :</b> Roof Top & Car Park & <b>Inverter :</b> Outdoor	LV, Feed in Tariff Scheme (Expected Energy Production Approx 915 MWh/Year )	5 Years
15	Solar Street Light System & Pole for Zallaf Libya Project	Petrofac International Ltd, UAE	Solar Street Light (SSL)	90W/24V x 18 Sets & Lighting Pole (3Mtr x 25 No & 10Mtr x 10 No)	2022	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>LED Lamp :</b> Nessa, <b>PV Module :</b> Canadian Solar, <b>Battery :</b> Exide, GNB	<b>Pole Mounting</b>	24VDC, Self Consumption	2 Year
16	Solar PV off Grid / Stand Alone Power System (Oman North 2022 Well Heads” x 21 Sets + “Oil 2023 Project” x 11 Sets + RABA East EPF x 1 Set + QAS Observation wells Project x 5 Sets)	Petroleum Development Oman (PDO), Oman	SPS (Off Grid)	38 Sets	2022	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>PV Module :</b> Canadian Solar, <b>Charge Controller :</b> DST & <b>Batteries :</b> Exide, GNB	<b>PV Module :</b> Ground Mount & <b>Charge Controller &amp; Battery :</b> Enclosure	24VDC, Self Consumption	1 Year
17	Three Year Frame Contract for DC Rectifier System	Oman Telecommunications Company (OmanTel), Oman	DC Rectifier System, UPS System, Battery & Generators	Various, All Over Oman	20 Oct, 2021 - 19 Oct, 2024, On Going	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning	<b>DC System :</b> Delta & <b>UPS System :</b> BPC & <b>Battery :</b> TBC & <b>Generator :</b> Cummins	<b>DC System &amp; Battery :</b> Shelter & <b>UPS System &amp; Battery :</b> Indoor	48VDC & 230Vac, Self Consumption	3 Year Frame Contract with Extended agreement (2021 - 2024)
18	Supply of Batteries and Cable works for various Mobile Network Expansion	Oman Telecommunications Company (OmanTel), Oman	Batteries	Various	2022	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning	<b>Battery :</b> TBC	<b>Battery :</b> Indoor	230Vac, Self Consumption	1 Year
19	Supply & Installation of UPS for Pharmaceutical plant Lab in Salalah	Oman Pharmaceutical Products Co. LLC. (OPP), Oman	UPS System & Battery	50 KVA Modular UPS & 6Kva Rack / Tower UPS	2022	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>UPS System :</b> BPC & Poweron & <b>Battery :</b> AMRON	<b>UPS System &amp; Battery :</b> Indoor	230vac, Emergency Power Back up	2 Year

20	Solar PV off Grid / Stand Alone Power System (Oil 2021 Project x 7 Sets + Tibr hybrid wells 2022 Project x 8 Sets + Baraka x 4 Sets)	Petroleum Development Oman (PDO), Oman	SPS (Off Grid)	19 Sets	2022	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>PV Module</b> : Canadian Solar, <b>Charge Controller</b> : DST & <b>Batteries</b> : Exide, GNB	<b>PV Module</b> : Ground Mount & <b>Charge Controller &amp; Battery</b> : Enclosure	24VDC, Self Consumption	1 Year
21	UPS System with batteries work at Muttrah Exchange & UPS's Installation at Blue City	Oman Telecommunications Company (OmanTel), Oman	UPS System & Battery	100Kva x 2 No & 300 KVA UPS x 1 No	2022	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning	<b>UPS System</b> : BPC & <b>Battery</b> : TBC	<b>UPS System &amp; Battery</b> : Indoor	230Vac, Self Consumption	3 Year Frame Contract
22	Ground Mounted Solar PV Grid Connect System for Rumais Farm House Project	Al Manuma LLC, Oman	SPS (Grid Connect)	277.86 KWp	2022	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning	<b>PV Module</b> : Canadian Solar & <b>Inverter</b> : Sungrow	<b>PV Module</b> : Ground Mount & <b>Inverter</b> : Outdoor	LV, Feed in Tariff Scheme (Expected Energy Production Approx 479.5 MWh/Year )	1 Years
23	Removal, Supply & Installation of UPS & Battery Back for SBG Wattayah Showroom	Saud Bahwan Automotive LLC (SBG), Oman	UPS System & Battery	100Kva UPS x 1 No & Sprinter XP12V3000 x (36 + 60 No)	2021, On Going	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning	<b>UPS System</b> : BPC & <b>Battery</b> : Exide Sprinter	<b>UPS System &amp; Battery</b> : Indoor	230vac, Emergency Power Back up	5 Year
24	Rectification of Solar System, F&G and RTU for OQ (BVS 1-8)	Gulf Petrochemical Services & Tradg. LLC (GPS), Oman	SPS (Off Grid)	8 Systems, OQ (BVS 1-8)	2021	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning	<b>PV Module</b> : Canadian Solar, <b>Charge Controller</b> : DST & <b>Batteries</b> : Exide, GNB	<b>PV Module</b> : Ground Mount & <b>Charge Controller &amp; Battery</b> : Enclosure	24VDC, Self Consumption	2 Year
25	Solar PV Grid Connected System for Roof Top & Car Park (Project : MAHOUT OFFICE)	Rural Area Electricity Company SAOC (Tanweer)	SPS (Grid Connect)	80.6 KWP	2021	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning	<b>PV Module</b> : Canadian Solar & <b>Inverter</b> : Sungrow	<b>PV Module</b> : Roof Top & Car Park & <b>Inverter</b> : Indoor	LV, Feed in Tariff Scheme (Expected Energy Production Approx 121 MWh/Year )	1 Year
26	UPS Battery Replacement Project for Qurum Station	Public Authority for Radio & TV (PART), Oman	UPS Battery Replacement Project	Exide GNB Sprinter XP12V3400 x 320No	2021	Removal, Supply, Installation, Testing & Commissioning	<b>Battery</b> : Exide GNB Sprinter XP12V3400 x 320No	<b>Battery</b> : Open Rack	UPS System, Emergency Back up Solution	1 Year

27	Fixed Rate Agreement - Solar PV off Grid / Stand Alone Power System (Load : 90W/24vdc) for ARA E&P-144 Flowline, OHL & Well Project	ARA Petroleum LLC, Oman	SPS (Off Grid)	17 Sets + 24 Sets	2 Year Frame Contract (2021 - 2023)	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>PV Module</b> : Canadian Solar, <b>Charge Controller</b> : Morning Star & <b>Batteries</b> : Exide, GNB	<b>PV Module</b> : Ground Mount & <b>Charge Controller &amp; Battery</b> : Enclosure	24VDC, Self Consumption	2 Year Frame Contract
28	Batteries for Various PDO Sites (Marmul, Bahja, Fahud, Qarn Alam, Andhour Telecom, Hidab Telecom, FHD & LEK)	Petroleum Development Oman (PDO), Oman	Battery	648 No	2021	Supply, Installation, Testing & Commissioning	<b>Battery</b> : TBC	<b>Battery</b> : Shelter	Self Consumption	1 Year
29	DC Rectifier System with Battery (Marmul, Bahja & LEK Area)	Petroleum Development Oman (PDO), Oman	DC Rectifier System & Battery	8KW / 48VDC (166A @ 48VDC) x 3 No	2021	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning	<b>DC System</b> : Eltek; & <b>Battery</b> : Exide Absolyte	<b>DC System &amp; Battery</b> : Shelter	48VDC, Self Consumption	1 Year
30	Solar PV off Grid / Stand Alone Power System (Load : 414W/24vdc) for Oman North 2021 Well Heads	Petroleum Development Oman (PDO), Oman	SPS (Off Grid)	8 Sets	2021	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>PV Module</b> : Canadian Solar, <b>Charge Controller</b> : DST & <b>Batteries</b> : Exide, GNB	<b>PV Module</b> : Ground Mount & <b>Charge Controller &amp; Battery</b> : Enclosure	24VDC, Self Consumption	1 Year
31	Solar Street Light System for OOCEP (Abu Tubul Block - 60)	Oman Oil Company Exploration & Production LLC (OOCEP), Oman	Solar Street Light (SSL)	100W/24V	2021	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>Various</b>	<b>Pole Mounting</b>	24VDC, Self Consumption	1 Year
32	Solar PV Grid Connected System in Car Parking & Roof Top for Madinat Al Irfan (MAI) Experience Centre for "MAF" Project	Douglas OHI LLC, Oman	SPS (Grid Connect)	150 Kwp	2020	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning	<b>PV Module</b> : TSO SUNO Ultra Low Weight <b>Flexible Module</b> & <b>Inverter</b> : Growatt	<b>PV Module</b> : Roof Top & <b>Inverter</b> : Indoor	LV, Feed in Tariff Scheme (Expected Energy Production Approx 260 MWh/Year )	1 Year
33	Solar PV off Grid / Stand Alone Power System (Load : 50W/24vdc) - (Project : ODC -2020 Project)	Petroleum Development Oman (PDO), Oman	SPS (Off Grid)	8 Sets (Marmul) & 2 Sets (Nimr)	2020	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>PV Module</b> : Canadian Solar, <b>Charge Controller</b> : DST & <b>Batteries</b> : Exide, GNB	<b>PV Module</b> : Ground Mount & <b>Charge Controller &amp; Battery</b> : Enclosure	24VDC, Self Consumption	1 Year

34	Solar PV off Grid / Stand Alone Power System	Emerson Process Management Distribution Limited (UAE, KSA, Oman)	SPS (Off Grid)	<b>PDO</b> - 1 Sets (3.9KWp) & 9 Sets (20Watts @ 24VDC) & <b>Saudi Aramco</b> - 10 Sets (Haradh and Hawiyah Project)	2020, 2021, 2022 & 2023	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>PV Module</b> : Canadian Solar, <b>Charge Controller</b> : DST / Morning Star & <b>Batteries</b> : Exide, GNB	<b>PV Module</b> : Ground Mount & <b>Charge Controller &amp; Battery</b> : Enclosure	24VDC, Self Consumption	1 Year
35	Solar PV off Grid / Stand Alone Power System with Passive Coolest Enclosure for Geomatic Exploration	Petroleum Development Oman (PDO), Oman	SPS (Off Grid)	17 Sets	2015 & 2020	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>PV Module</b> : Canadian Solar & Kyocera, <b>Charge Controller</b> : Steca & <b>Batteries</b> : Exide, GNB	<b>PV Module</b> : Ground Mount & <b>Charge Controller &amp; Battery</b> : Enclosure	24VDC, Self Consumption	1 Year
36	Maintenance of Solar Powered Sites at various Omantel Locations	Oman Telecommunications Company (OmanTel), Oman	SPS (Off Grid) - AMC	All Over Oman	2014 - 2023	Maintenance of Solar Power System	<b>PV Module</b> : Canadian Solar & <b>Charge Controller</b> : DST & <b>Batteries</b> : Exide, GNB	<b>PV Module</b> : Hill Top & <b>Charge Controller &amp; Battery</b> : Passive Cooled Enclosure	48VDC, Self Consumption	Maintenance Contract (2014 - 2023)
37	Three Year Frame Contract for DC Rectifier System	Oman Telecommunications Company (OmanTel), Oman	DC Rectifier System & Battery	(30A - 5000A) All Over Oman	2016 - 2021	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning	<b>DC System</b> : Delta & Eltek; & <b>Battery</b> : TBC	<b>DC System &amp; Battery</b> : Shelter	48VDC, Self Consumption	2 Year Frame Contract with Extended agreement (2016 - 2021)
38	Replacement of Existing Solar System Batteries at various BVS Location	Oman Gas Company S.A.O.C (OGC), Oman	SPS (Off Grid)	All Over Oman	2011-2012 & 2019-20	Battery Removal & Replacement Project	<b>Batteries</b> : Exide, GNB	NA	24VDC, Self Consumption	1 Year
39	Solar PV off Grid / Stand Alone Power System (Load : 12W@24Vdc with 5 days autonomy) for OGC Project	L&T Electrical & Automation FZE (UAE)	SPS (Off Grid)	21 Sets	2019	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>PV Module</b> : Canadian Solar, <b>Charge Controller</b> : Morning Star & <b>Batteries</b> : TBC	<b>PV Module</b> : Ground Mount & <b>Charge Controller &amp; Battery</b> : Shelter	24VDC, Self Consumption	1 Year

40	Once-Off Contract for Replacement of Obsolete FGS-Eltek UPS in Orpic-Sohar Refinery-1	Oman Oil Refineries and Petroleum Industries Company (ORPIC), Oman	UPS System & Battery	Various	2019	Replacement of Obsolete UPS	<b>UPS System : Eltek &amp; Battery : Enersys</b>	<b>UPS System &amp; Battery : Indoor</b>	24VDC & 230vac, Emergency Power Back up	1 Year
41	Solar PV off Grid / Stand Alone Power System for RTU (Load : 15W/24vdc) for Barik Hook UP Wells	Petroleum Development Oman (PDO), Oman	SPS (Off Grid)	11 Sets	2019	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>PV Module : Canadian Solar, Charge Controller : Morning Start &amp; Batteries : Exide, GNB</b>	<b>PV Module : Ground Mount &amp; Charge Controller &amp; Battery : Enclosure</b>	24VDC, Self Consumption	1 Year
42	Supply of Exide GNB ABSOLYTE Battery	Petroleum Development Oman (PDO), Oman	Battery	GP 6-90G11,12V x 80 No of Module x 6 No = 480 Cells	2019	Supply	<b>Batteries : Exide, GNB</b>	NA	Emergency Power Back up	1 Year
43	Solar PV off Grid / Stand Alone Power System	Petroleum Development Oman (PDO), Oman	SPS (Off Grid)	13.55Kwp, 10 Sets	2019	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>PV Module : Canadian Solar, Charge Controller : DST &amp; Batteries : Exide, GNB</b>	<b>PV Module : Ground Mount &amp; Charge Controller &amp; Battery : Enclosure</b>	24VDC, Self Consumption	1 Year
44	Solar Water Heater, Solar PV Hybrid System & Street Light for Porta Cabin at Muscat Ghala TOCO Yard Project	The Oman Construction Co. LLC (TOCO), Oman	Solar Water Heater (SWH) & SPS (Off Grid) & Solar Street Light (SSL)	SWH - 160L (Compact) & 300 Liters & SPS for Load : 890W	2015 & 2019	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>SWH : Megasun &amp; SPS : Various, OSS</b>	Solar Water Heater & <b>PV Module : Porta Cabin Roof &amp; Inverter &amp; Battery : Porta Cabin</b>	Self Consumption	1 Year
45	Maintenance of Solar Powered Sites at Yibal Flowline Intergrity	Petroleum Development Oman (PDO), Oman	SPS (Off Grid) - AMC	200 KWp, (22 sites x 44 Sets)	2018 - 2020	Maintenance of Solar Power System	<b>PV Module : Canadian Solar, Charge Controller : DST &amp; Batteries : Exide, GNB</b>	<b>PV Module : Ground Mount &amp; Charge Controller &amp; Battery : Enclosure</b>	24VDC, Self Consumption	2 Year With Extended AMC (2018 & 2020)
46	Supply of 99W LED Flood Light with 12Mtr OCTAGONAL POLE	Occidental of Oman Inc (OXY), Oman	LED Light with Pole	40 Sets	2018	Supply	<b>LED Light : COOPER CROUSE HINDS , Pole : Sohar Pole</b>	NA	Self Consumption	1 Year

47	Solar Water Heater for Expansion of Royal Hospital	International Sanitation Co. Oman LLC (ISCO), Oman	Solar Water Heater (SWH)	1500 Liters x 2 No	2018	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>SWH</b> : Viessmann	<b>Solar Collector</b> : Roof Top & <b>Tank</b> : Indoor	Self Consumption	2 Year
48	Replacement of Indoor High bay Light & fixture with equivalent UFO200 watt LED highbay light	Oman Pharmaceutical Products Co. LLC. (OPP), Oman	LED Light	100 Sets	2018	Design, Engineering, Procurement, Supply & Supervision	<b>LED Light</b> : Bopin	NA	Self Consumption	1 Year
49	UPS for Telecom Load for NIMR & Bahja Sites	Petroleum Development Oman (PDO), Oman	UPS System & Battery	2Kva - Multiple, 4kva with 48Hrs backup & 6KVA UPS -13 Nos	2018	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>UPS System &amp; Battery</b> : BPC & AEG	<b>UPS System &amp; Battery</b> : Indoor	230vac, Emergency Power Back up	1 Year
50	Solar PV Grid Connect Roof Mount Project for Private Villa	Niti Villa, Muscat (Oman)	SPS (Grid Connect)	6 KWP	2018	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning	<b>PV Module</b> : Canadian Solar & <b>Inverter</b> : Refusol	<b>PV Module</b> : Roof Top & <b>Inverter</b> : Outdoor	LV, Feed in Tariff Scheme (Expected Energy Production Approx 10,402.5 KWh/Year )	2 Year
51	Solar Water Heater for IPWP Project	Towell Engineering Group, Oman	Solar Water Heater (SWH)	900 Liters	2018	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>SWH</b> : Megasun	<b>Solar Collector &amp; Tank</b> : Roof Top	Self Consumption	1 Year
52	Solar PV off Grid / Stand Alone Power System & Passive Cooled Shelter for Saih Nihayda Duqm (OGC) Pipeline project x 16 Sets (Load : 12W@24Vdc with 5 days autonomy)	L&T Electrical & Automation FZE (UAE)	SPS (Off Grid)	119 KWp, 16 Sets	2017	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>PV Module</b> : Canadian Solar, <b>Charge Controller</b> : MICHA & <b>Batteries</b> : Exide, GNB	<b>PV Module</b> : Ground Mount & <b>Charge Controller &amp; Battery</b> : Shelter	24VDC, Self Consumption	2 Year
53	Solar PV off Grid / Stand Alone Power System & Passive Cooled Shelter for ORPIC LIWA project x 11 Sets	L&T Electrical & Automation FZE (UAE)	SPS (Off Grid)	179KWp, 11 Sets	2017	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>PV Module</b> : Canadian Solar, <b>Charge Controller</b> : MICHA & <b>Batteries</b> : Exide, GNB	<b>PV Module</b> : Ground Mount & <b>Charge Controller &amp; Battery</b> : Shelter	24VDC, Self Consumption	2 Year
54	Solar PV off Grid / Stand Alone Power System with Battery Enclosure for MARMUL, BHAJA & MASHARI	Petroleum Development Oman (PDO), Oman	SPS (Off Grid)	68KWp, 3 Sets	2017	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>PV Module</b> : Canadian Solar, <b>Charge Controller</b> : DST & <b>Batteries</b> : Exide, GNB	<b>PV Module</b> : Ground Mount & <b>Charge Controller &amp; Battery</b> : Enclosure	24VDC, Self Consumption	1 Year



55	Solar PV off Grid / Stand Alone Power System with Passive Cooled Shelter for OGC Ibri site	Arabian Industries, Oman	SPS (Off Grid)	11 KWp	2017	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>PV Module</b> : Canadian Solar, <b>Charge Controller</b> : MICHA & <b>Batteries</b> : Exide, GNB	<b>PV Module</b> : Ground Mount & <b>Charge Controller &amp; Battery</b> : Shelter	24VDC, Self Consumption	2 Year
56	Solar Water Heater for Hotel Hilton Garden Inn	Al Rawahi International, Oman	Solar Water Heater (SWH)	3000 Liters x 4 No	2017	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>SWH</b> : Viessmann	<b>Solar Collector</b> : Roof Top & <b>Tank</b> : Indoor	Self Consumption	2 Year
57	Solar Street Light System for Strobe light	The Petroleum Projects & Technical Consultations Company (PETROJET), UAE	Solar Street Light (SSL)	10W @ 24 DC- 10 Nos	2016	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>PV Module</b> : Canadian Solar, <b>Charge Controller</b> : Steca & <b>Batteries</b> : Exide, GNB	<b>PV Module</b> : Pole Mount & <b>Charge Controller &amp; Battery</b> : Outdoor Box	24VDC, Self Consumption	1 Year
58	Solar PV Hybrid Solar Power System for Carpark to Operate outdoor lights (Load : 15Kw)	Port Authority Duqm, Duqm, Oman	SPS (Hybrid - PV+Batt+Grid)	59 KWp	2016	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>PV Module</b> : Canadian Solar, <b>Inverter</b> : EAST & <b>Batteries</b> : Exide, GNB	<b>PV Module</b> : Car Park & <b>Inverter</b> : Indoor	LV, Self Consumption	1 Year
59	Solar Water Heater for Villa Project	Maskn Construction & Development, Oman	Solar Water Heater (SWH)	300 Liters x 8 No	2016	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>SWH</b> : Megasun	<b>Solar Collector &amp; Tank</b> : Roof Top	Self Consumption	1 Year
60	Supply of Exide GNB Sprinter Battery	Public Authority for Radio and Tv (PART), Oman	Battery	Sprinter XP3400-320Nos	2015	Supply	<b>Batteries</b> : Exide, GNB	NA	Emergency Power Back up	1 Year
61	Supply & Installation of UPS for Pharmaceutical plant in Salalah	Oman Pharmaceutical Products Co. LLC. (OPP), Oman	UPS System & Battery	2KVA, 6KVA, 15KVA & 60 KVA UPS	2013, 2014, 2015 & 2019	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>UPS System &amp; Battery</b> : BPC	<b>UPS System &amp; Battery</b> : Indoor	230vac, Emergency Power Back up	1 Year

62	Solar PV off Grid / Stand Alone Power System	Ministry of Interior (MOI), UAE	SPS (Off Grid)	4.5kW-2Nos, 150W-20nos and 60W-33Nos	2015	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>PV Module</b> : Canadian Solar, <b>Charge Controller</b> : Morning Star/DST & <b>Batteries</b> : Exide, GNB	<b>PV Module</b> : Ground Mount & <b>Charge Controller &amp; Battery</b> : GRP Box	24VDC, Self Consumption	1 Year
63	Solar PV off Grid / Stand Alone Power System for PDO RHIP Harweel Project	Petrofac International Ltd, Oman	SPS (Off Grid)	34 KWp	2015	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>PV Module</b> : Canadian Solar, <b>Charge Controller</b> : DST & <b>Batteries</b> : Exide, GNB	<b>PV Module</b> : Ground Mount & <b>Charge Controller &amp; Battery</b> : Enclosure	24VDC, Self Consumption	1 Year
64	UPS system for Medical & Radar Equipment	Ministry of Defense (MOD), Oman	UPS System & Battery	2.2Kva, 3Kva, 4Kva, 6Kva, 10KVA, 15Kva & 30 KVA UPS	2003, 2004, 2012, 2013 & 2015	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning	<b>UPS System &amp; Battery</b> : BPC	<b>UPS System &amp; Battery</b> : Indoor	230vac, Emergency Power Back up	1 Year
65	Solar PV off Grid / Stand Alone Power System with Battery Enclosure at Jabal Sur & Quriyat	Royal Oman Police (ROP), Oman	SPS (Off Grid)	1 Set	2014-2016	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>PV Module</b> : Canadian Solar, <b>Charge Controller</b> : Morning Star & <b>Batteries</b> : Exide, GNB	<b>PV Module</b> : Ground Mount & <b>Charge Controller &amp; Battery</b> : Shelter	12VDC, Self Consumption	1 Year
66	Supply & Installation of Outdoor UPS Systems for Mobile sites (Khadra Comp, Mussanah Sports Center, Rustaq Comp 14, Khasab Com 2 & 8)	Oman Telecommunications Company (OmanTel), Oman	UPS System & Battery	6 Sets	2013 & 2015	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning	<b>UPS System &amp; Battery</b> : Delta	<b>UPS System &amp; Battery</b> : Outdoor	DC UPS, Emergency Power Back up	1 Year
67	Solar PV off Grid / Stand Alone Power System - Yibal Flowline Intergrity	Petroleum Development Oman (PDO), Oman	SPS (Off Grid)	200 KWp, (22 sites x 44 Sets)	2015	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>PV Module</b> : Canadian Solar, <b>Charge Controller</b> : DST & <b>Batteries</b> : Exide, GNB	<b>PV Module</b> : Ground Mount & <b>Charge Controller &amp; Battery</b> : Enclosure	24VDC, Self Consumption	2 Year With Extended AMC (2017 & 2019)

68	Solar PV off Grid / Stand Alone Power System for control systems for Cathodic protection, Repeater stations, Well Head RTUs, Instrumentation, Control systems, flow meter	Petroleum Development Oman (PDO), Oman	SPS (Off Grid)	Various, All over Oman	1991 - 2015	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning & AMC	<b>PV Module :</b> Canadian Solar, <b>Charge Controller :</b> DST & <b>Batteries :</b> Exide, GNB	<b>PV Module :</b> Ground Mount & <b>Charge Controller &amp; Battery :</b> Enclosure	24VDC, Self Consumption	1 Year
69	Solar Street Light System	Aber Ahmed Equipment Est., UAE	Solar Street Light (SSL)	32 Nos	2014	Design, Engineering, Procurement & Supply	<b>PV Module :</b> Solar World, <b>Charge Controller :</b> Steca & <b>Batteries :</b> Exide, GNB	<b>PV Module :</b> Pole Mount & <b>Charge Controller &amp; Battery :</b> Outdoor Box	24VDC, Self Consumption	1 Year
70	Solar PV off Grid / Stand Alone Power System for Ghaba North PDO project	Yokogawa Middle East & Africa B.S.C., Oman	SPS (Off Grid)	17 Sets	2014	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>PV Module :</b> Canadian Solar, <b>Charge Controller :</b> Morning Star & <b>Batteries :</b> Exide, GNB	<b>PV Module :</b> Ground Mount & <b>Charge Controller &amp; Battery :</b> Enclosure	24VDC, Self Consumption	1 Year
71	Solar LED Street Light System	Occidental of Oman Inc (OXY), Oman	Solar Street Light (SSL)	Various	2014	Design, Engineering, Procurement & Supply	<b>PV Module :</b> Solar World, <b>Charge Controller :</b> Steca & <b>Batteries :</b> Exide, GNB	<b>PV Module :</b> Pole Mount & <b>Charge Controller &amp; Battery :</b> Outdoor Box	24VDC, Self Consumption	1 Year
72	Batteries for Manufacturing Plant	Sohar Aluminium Smelter, Oman	Battery	Exide Marathon x 240 No	2014	Supply, Installation, Testing & Commissioning	<b>Batteries :</b> Exide, GNB	NA	Emergency Power Back up	1 Year
73	Solar PV off Grid / Stand Alone Power System for Microwave Repeater Station, Public Pay Phones, GSM repeater stations & VSAT Phone System	Oman Telecommunications Company (OmanTel), Oman	SPS (Off Grid)	Various, All over Oman	1991 - 2014	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning & AMC	<b>PV Module :</b> Canadian Solar, <b>Charge Controller :</b> DST & <b>Batteries :</b> Exide, GNB	<b>PV Module :</b> Ground Mount & <b>Charge Controller &amp; Battery :</b> Enclosure	48VDC, Self Consumption	2 Year with Extended AMC (2014 - 2021)

74	Solar PV Grid Connect Roof Mount System for Desalination Plant	Middle East Desalination Research Center (MEDRC), Muscat (Oman)	SPS (Grid Connect)	15 KWP	2014	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning	<b>PV Module</b> : Canadian Solar & <b>Inverter</b> : SOLEOS	<b>PV Module</b> : Ground Mount & <b>Inverter</b> : Indoor	LV, Self Consumption (Expected Energy Production Approx 26 MWh/Year )	1 Year
75	Maintenance of Solar Powered Sites for MAF-Sohar Pipeline project	Oman Oil Refineries and Petroleum Industries Company (ORPIC), Oman	SPS (Off Grid) - AMC	4 Sites	2012, 2014 & 2015	Maintenance of Solar Power System	<b>PV Module</b> : Solar World, <b>Charge Controller</b> : DST & <b>Batteries</b> : Exide, GNB	<b>PV Module</b> : Ground Mount & <b>Charge Controller &amp; Battery</b> : Enclosure	24VDC, Self Consumption	3 Year (2012, 2014 & 2015)
76	UPS for Mazoon Electricity HQ Bldg, Bidbid	SEMEC Specialized Projects LLC, Oman	UPS System & Battery	15KVA x 4 No & 20 KVA x 2 No UPS System	2013	Supply, Testing & Commissioning	<b>UPS System &amp; Battery</b> : BPC	<b>UPS System &amp; Battery</b> : Indoor	230vac, Emergency Power Back up	1 Year
77	Solar PV off Grid / Stand Alone Power System for Earthquake Monitoring Center for Seismic	Sultan Qaboos University (SQU), Oman	SPS (Off Grid)	Various	2000, 2002, 2004, 2008, 2010, 2011, 2013 & 2023	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>PV Module</b> : Solar World & Canadian Solar, <b>Charge Controller</b> : Morning Star & <b>Batteries</b> : Exide, GNB	<b>PV Module</b> : Ground Mount & <b>Charge Controller &amp; Battery</b> : Enclosure	12VDC, Self Consumption	1 Year
78	UPS systems for New IT Bulding	Ministry of Health (MOH), Oman	UPS System & Battery	10KVA, 15Kva, 20KVA & 40 KVA UPS System	2005 & 2013	Supply, Testing & Commissioning	<b>UPS System &amp; Battery</b> : BPC	<b>UPS System &amp; Battery</b> : Indoor	230vac, Emergency Power Back up	1 Year
79	Solar PV Grid Connect Roof Mount System for Eco House	German University of Technology (GUTech), Muscat (Oman)	SPS (Grid Connect)	12 KWP	2013	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning	<b>PV Module</b> : Sunpower, & <b>Inverter</b> : Klne	<b>PV Module</b> : Roof Top & <b>Inverter</b> : Indoor	LV, Self Consumption (Expected Energy Production Approx 20 MWh/Year )	1 Year
80	DC power systems with batteries for PDO	Oman Fiber Optic, Oman	DC Rectifier System & Battery	35 No + 5 No	2012 & 2013 & 2023	Supply, Testing & Commissioning	<b>DC System &amp; Battery</b> : Eltek & <b>Batteries</b> : TBC	<b>DC System &amp; Battery</b> : Shelter	48VDC, Self Consumption	1 Year
81	Solar PV Grid Connect Roof Mount Project	Sohar University, Sohar (Oman)	SPS (Grid Connect)	1.4 KWP	2012	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning	<b>PV Module</b> : Solar World & <b>Inverter</b> : SMA	<b>PV Module</b> : Roof Top & <b>Inverter</b> : Indoor	LV, Self Consumption (Approx 2,427.25 KWh/day)	1 Year

82	Solar PV off Grid / Stand Alone Power System for 810W lighting Load Eastern Battery Project	Royal Court Affairs (RCA), Oman	SPS (Off Grid)	4.48Kwp	2011	Design, Engineering, Procurement, Supply, Testing & Commissioning	<b>PV Module</b> : Canadian Solar, <b>Inverter</b> : Studer & <b>Batteries</b> : Exide, GNB	<b>PV Module</b> : Ground Mount & <b>Inverter &amp; Battery</b> : GRP Shelter	230Vac, Self Consumption	1 Year
83	DC Power Systems & UPS System with batteries for Blue City landing station Project	Oman Telecommunications Company (OmanTel), Oman	DC Rectifier System, UPS & Battery	48V, 3000A DC x 2 No & 200 KVA UPS x 1 No	2010	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning	<b>DC System</b> : Eltek & <b>Battery</b> : Exide, <b>UPS System &amp; Battery</b> : BPC	<b>DC System &amp; Battery</b> : Indoor	230Vac, Self Consumption	1 Year
84	UPS System with batteries for various sites (Mutrah Exchange, Blue City Cable landing station, Ibra Exchange, Mudhaibi Exchange, Sur Exchange & Dibba Exchange)	Oman Telecommunications Company (OmanTel), Oman	UPS System & Battery	10Kva x 2 No, 15Kva x 3 No, 60Kva x 1 No & 200 KVA UPS x 1 No	2005, 2007 & 2010	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning	<b>UPS System &amp; Battery</b> : BPC	<b>UPS System &amp; Battery</b> : Indoor	230Vac, Self Consumption	1 Year
85	Solar PV off Grid / Stand Alone Power System with Passive cooled shelters for BVS Khazan Makarem project	BP Oman	SPS (Off Grid)	6 Sites	2010	Design, Engineering, Procurement, Supply, Testing & Commissioning & AMC	<b>PV Module</b> : Solar World, <b>Charge Controller</b> : DST & <b>Batteries</b> : Exide, GNB	<b>PV Module</b> : Ground Mount & <b>Charge Controller &amp; Battery</b> : PCS	24VDC, Self Consumption	1 Year, 2011
86	Solar Street Light System	Petroleum Development Oman (PDO), Oman	Solar Street Light (SSL)	Various	2010	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning	<b>Various</b>	<b>Various</b>	12VDC, Self Consumption	1 Year
87	UPS System with batteries for Oman TV Studio at Salalah	Ministry of Information (MOI), Oman	UPS System & Battery	6Kva, 15KVA & 30KVA UPS	2004, 2006, 2007 & 2009	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning	<b>UPS System &amp; Battery</b> : BPC	<b>UPS System &amp; Battery</b> : Indoor	230Vac, Self Consumption	1 Year
88	UPS System with batteries for HQ Building & Mahdah to Al Ain Gas pipeline project	Oman Gas Company S.A.O.C (OGC), Oman	UPS System & Battery	6Kva, 10Kva (AC & DC UPS) & 30 KVA UPS with 12 Hrs Back up	2003 & 2007	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning	<b>UPS System &amp; Battery</b> : BPC	<b>UPS System &amp; Battery</b> : Indoor	230Vac, Self Consumption	1 Year

89	Solar PV off Grid / Stand Alone Power System with Passive cooled shelters for various sites	Emirates Telecommunication Group Company (Etisalat), UAE	SPS (Off Grid) - AMC	33 Sites	2003, 2007 & 2008	Maintenance of Solar Power System & Passive Cooled Shelters	<b>PV Module :</b> Shell, <b>Charge Controller :</b> DST & <b>Batteries :</b> Exide, GNB	<b>PV Module :</b> Ground Mount & <b>Charge Controller &amp; Battery :</b> PCS	48VDC, Self Consumption	2 Year (2003, 2007 & 2008)
90	Solar PV off Grid / Stand Alone Power System for GSM base Stations & GSM pay phones	Emirates Telecommunication Group Company (Etisalat), UAE	SPS (Off Grid)	GSM base stations x 33 No & GSM pay phones x 450 No	1998, 1999, 2002, 2005	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning & AMC	<b>PV Module :</b> Shell, <b>Charge Controller :</b> DST & <b>Batteries :</b> Exide, GNB	<b>PV Module :</b> Ground Mount & <b>Charge Controller &amp; Battery :</b> PCS	48VDC, Self Consumption	2 Year (2007 & 2008)
91	Solar PV off Grid / Stand Alone Power System for MAF-Sohar Pipeline project	Oman Oil Refineries and Petroleum Industries Company (ORPIC), Oman	SPS (Off Grid) - AMC	4 Sites	2005	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning & AMC	<b>PV Module :</b> Solar World, <b>Charge Controller :</b> DST & <b>Batteries :</b> Exide, GNB	<b>PV Module :</b> Ground Mount & <b>Charge Controller &amp; Battery :</b> Enclosure	24VDC, Self Consumption	3 Year (2012, 2014 & 2015)
92	Wind Powered System for Electrical Water Pumping Station	Ministry of Water Resources (MWR), Oman	Solar & Wind Power Hybrid System	10 KWP, 3 Sets	1995	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning	<b>PV Module :</b> Siemens & <b>Wind Turbine :</b> Turbina	<b>PV Module :</b> Ground Mount & <b>Wind Turbine :</b> Outdoor	LV	1 Year
93	Solar Street Light System	Muscat Municipality and Ministry of Regional Municipalities & Environment, Oman	Solar Street Light (SSL)	Various, all over Muscat	1990 - 1995	Design, Engineering, Procurement, Supply, Installation, Testing & Commissioning	<b>PV Module :</b> Siemens & <b>Batteries :</b> Exide, GNB	<b>PV Module :</b> Pole Mount & <b>Charge Controller &amp; Battery :</b> Outdoor Box	12VDC, Self Consumption	1 Year
94	Solar PV off Grid / Stand Alone Power System for Microwave Repeater Station	Kuwait Telecom Company, Kuwait	SPS (Off Grid)	2.54Kwp	1992	Design, Engineering, Procurement, Supply, Testing & Commissioning & AMC	<b>PV Module :</b> Siemens & <b>Batteries :</b> Exide, GNB	<b>PV Module :</b> Ground Mount & <b>Charge Controller &amp; Battery :</b> PCS	48VDC, Self Consumption	1 Year

**Note:** Due to large installation base we are not able to mention all the project reference, hence please refer attached project reference list year 1991-2023