

Capital Expenditure- Generation

Generation Capital Expenditure funded through Price Controls

Sl.No	Project Name	Tender Number (if any)	Description of Project	Region	Justification for project	Start Date	Completion Date	Total Cost RO	Annual Cash Outlays (RO)				Comments
									2011	2012	2013	2014	
1	Upgrading of Al Dhafarat Power Station		Expanding Al Dhafarat power station by adding 1x500KW power capacity that includes DG set with all the required mechanical, electrical and civil works	Wusta	To satisfy the demand growth at the area and adding N-1 capacity to guarantee the over all generation security standard	2013	2014						
2	Upgrading of Mudhai Power Station		Expanding of Mudhai power station by adding 2x1000KW power capacity that includes DG set with all the required mechanical, electrical and civil works	Dhofar	Expanding is required to meet the demand at Matfaha , Ayboot, Hoorat Anadat and Tosanat areas that sahill be coonected to Mudhai PS	2013	2014						
3	Upgrading of Shahab Esaib Power Station		Expanding of shahab Esaib power station by adding 1x2000KW power capacity that includes DG set with all the required mechanical, electrical and civil works	Dhofar	To satisfy the demand growth at the area and adding N-1 capacity to guarantee the over all generation security standard	2014	2015						
4	Purchasing of Mobile DG sets 1-2 MW		Purchasing of Mobile DG sets 1-2 MW	Dhofar	To guarantee the over all generation security standard								
5	Purchasing of Mobile DG sets 1-2 MW		Purchasing of Mobile DG sets 1-2 MW	Wusta	To guarantee the over all generation security standard								
6	Purchasing of Mobile DG sets 1-2 MW		Purchasing of Mobile DG sets 1-2 MW	Musandam	To guarantee the over all generation security standard								
7	Repairing of equipments and gensets that might be damaged during the year		Repairing of equipments and gensets that might be damaged during the year	RAEC	To retain installed capacity of DG sets.								
8	Rehabilitation of Power Plants to meet Safety and Regulations Standards.		Rehabilitation of Power Plants to meet Safety and Regulations Standards.	RAEC	To meet Safety and Regulations Standards.								
9	Additional Panels for feeding temporary generation		Extension of power sations existing switchgears to connect temproray geneartion when required	Dhofar	To satisfy the demand growth at the area and adding N-1 capacity to guarantee the over all generation security standard								
10	Additional Panels for feeding temporary generation		Extension of power sations existing switchgears to connect temproray geneartion when required	Wusta	To satisfy the demand growth at the area and adding N-1 capacity to guarantee the over all generation security standard								
11	Additional Panels for feeding temporary generation		Extension of power sations existing switchgears to connect temproray geneartion when required	Musandam	To satisfy the demand growth at the area and adding N-1 capacity to guarantee the over all generation security standard								
12	Installing fuel meters at RAECo Power Plants with monitoring system.		Installing of Fuel digital metering with piping	RAEC	It is planned that RAEC should optimise fuel effieincy and maximize energy conversion of fuel.								
13	Installing KWH meters at RAECo Power Plants with monitoring system.		Installing of digital KWH metering with monitoring system	RAEC	To allow accurate opeartion data for plans to improve performance and optimise effieintly of power systems with lower losses and maximum energy conversion of fuel.								
14	Rehabilitation of Power stations		Rehabilitation of Power stations	Dhofar	Annual rehabilitation works to done to keep generation capacity with the planned values								
15	Rehabilitation of Power stations		Rehabilitation of Power stations	Wusta	Annual rehabilitation works to done to keep generation capacity with the planned values								
16	Rehabilitation of Power stations		Rehabilitation of Power stations	Musandam	Annual rehabilitation works to done to keep generation capacity with the planned values								

Generation Capital Expenditure funded through Electrification Mechanism

Sl.No	Project Name	Number (if any)	Description of Project	Region	Justification for project	Start Date	Completion Date	Total Cost RO	2011	2012	2013	2014	Comments
1	Construction of Masirah new power sation		Construction of new power station at Masirah with total capacity of 42 MW with all the required mechanical, electrical and civil works . Also it is required to construct step up substation and 33/ 11 kv cabling from the PS location to the area connection points	Sharqia	Construction of new power station at Masirah is becoming essential due to the following: 1- Air base at Masirah requests RAEC to supply the power at 9 MW. 2- New Royal camp is planned to constructed with deamnd of 4 MW .3- new hospaital and city needs to be electrified with total deamnd about 6.5 MW. 4- the overall demnad at the area is predicated to reach 32 MW. 5- the existing generation capacity of the PS is only 13 MW and the powe station is too old and opeartion phasing problems with frequent interruptions. 6- the exsting power sation was inffected through the last cyclon that hit the area in 2010.	2012	2014						
2	Upgrading of Al Khuwaimah power sation		Expanding of Al Khuwaimah power station by adding 2x1000KW power capacity that includes DG set withall the required mechanical, electrical and civil works	Wusta	To satisfy the demand growth at the area which exceeds 20% due the new connection of many villages ,Al Juwairaih, Khaid , Kushair, etc.	2012	2013						
3	Upgrading of Al Ajaiz power sation		Expanding of Al Ajaiz power station by adding 1x1000KW power capacity that includes DG set withall the required mechanical, electrical and civil works	Wusta	The expanding works are required to meet the application connecting Social hoses and to satisfy the demand growth at the area with adding N-1 capacity to guarantee the over all generation security standard	2013	2014						
4	Upgrading of Hij power sation		Expanding of Hij power station by adding 1x4000KW power capacity that includes DG set withall the required mechanical, electrical and civil works	Wusta	To satisfy the demand growth at the area which exceeds 20% due the new connection of many Socila houses at Mahout, Electrifying Shennah area .	2012	2014						
5	Upgrading of Saih Al Khairat power sation		Expanding of Saih Al khairat power station by adding 2x4000KW power capacity that includes DG set withall the required mechanical, electrical and civil works	Dhofar	To satisfy the demand growth at the area and adding N-1 capacity to guarantee the over all generation security standard	2013	2015						
6	Adding Generation Capacity to Aduqum Power Station		Expanding of Aduqum power station by adding 50MW power capacity that includes DG set withall the required mechanical, electrical and civil works	Wusta	To satisfy the Bulk demands, MOTC ,Dry Dock, Airport, PAEW for water S/S, residential and hotel and tourism at the area and adding N-1 capacity to guarantee the over all generation security standard	2012	2014						
7	Construction of Tibat central gas new Power station		Construction of (125-180) MW new Central Gas fired power station at Tibat with all the required Mechanical, electrical and Civil works.	Musand.	To satisfy the Bulk demands, Oman Oil Comapny ,Harf resorts, MoD, PAEW for water S/S, residential and hotel and tourism at the area and adding N-1 capacity to guarantee the over all generation security standard. In addition to the above it is planned to use the Gas available from oil producing at the area . Khasab and Dibba diesel power plants are planned to be shut down , so this expected to decrease cost of units production.	2012	2014						

Generation Capital Expenditure funded by a Third Party

Sl.No	Project Name	Number (if any)	Description of Project	Region	Justification for project	Start Date	Completion Date	Total Cost RO	2011	2012	2013	2014	Comments
1	Upgrading of Al Hillanait Power Station		Expanding of Hillanait power station by adding 3000KW power capacity that includes DG set withall the required mechanical, electrical and civil works	Dhofar	The expansion shall be executed to satisfy the request of energy for hillaniat expanded port applied by the MOTC.	2012	2013						
2	Construction of Farshat Qatbeet Power Station		Construction of new power station at Farshat Qatbeet with total capacity of 10 MW with all the required mechanical, electrical and civil works . Also it is required to construct step up substation and 33/ 11 kv cabling from the PS location to the area connection points	Dhofar	Constrcting the power station is required to satisfy the residentail and agriculture demand at the area and to supply electricity to customers near the oil field as per the instructions of H.M.	2012	2013						

Capital Expenditure- Desalination

11 Electrification works as per H.M instructions for electrifying people near oil fields												
11.1	Power Supply to Ghabat Al Haqaf Village-Adam		Extension of 33/11 KV line with LV distribution network as per survey work .		Power Supply to areas near Oil Fields as per H.M instructions							
11.2	Power Supply to un electrified houses at South Ghubrah-Ghfoodh Village-Al Jazir		Extension of 33/11 KV line with LV distribution network as per survey work .		Power Supply to areas near Oil Fields as per H.M instructions							
11.3	Power Supply to Al Mkhazianah Village-Adam		Extension of 33/11 KV line with LV distribution network as per survey work .		Power Supply to areas near Oil Fields as per H.M instructions							
11.4	Power Supply to many un electrified houses at north Ghubrah- Village-Al Jazir		Extension of 33/11 KV line with LV distribution network as per survey work .		Power Supply to areas near Oil Fields as per H.M instructions							
11.5	Power Supply to Al Shuwaiei Village-Bahlah		Extension of 33/11 KV line with LV distribution network as per survey work .		Power Supply to areas near Oil Fields as per H.M instructions							
11.6	Power Supply to Dithab Gharb Village-Hitam		Extension of 33/11 KV line with LV distribution network as per survey work .		Power Supply to areas near Oil Fields as per H.M instructions							
11.7	Power Supply to Al Hotta Village-Rabkut		Extension of 33/11 KV line with LV distribution network as per survey work .		Power Supply to areas near Oil Fields as per H.M instructions							
11.8	Power Supply to Farshat Qatbit Village-Maqshin		Extension of 33/11 KV line with LV distribution network as per survey work .		Power Supply to areas near Oil Fields as per H.M instructions							
11.9	Power Supply to Al Al Khasfah and al nor –Farms shlem		Extension of 33/11 KV line with LV distribution network as per survey work .		Power Supply to areas near Oil Fields as per H.M instructions							
11.10	Power Supply to Basheathan Village- Shleem		Extension of 33/11 KV line with LV distribution network as per survey work .		Power Supply to areas near Oil Fields as per H.M instructions							
11.11	Power Supply to Jou`A` Al Salam Village- Shleem		Extension of 33/11 KV line with LV distribution network as per survey work .		Power Supply to areas near Oil Fields as per H.M instructions							
11.12	Electricity Supply to Hmra Adurooa/ markaz al firqah		Extension of 33/11 KV line with LV distribution network as per survey work .		Power Supply to areas near Oil Fields as per H.M instructions							
11.13	Electricity Supply to Wadi Al Umairi		Extension of 33/11 KV line with LV distribution network as per survey work .		Power Supply to areas near Oil Fields as per H.M instructions							
11.14	Electricity Supply to Marsudad Village		Extension of 33/11 KV line with LV distribution network as per survey work .		Power Supply to areas near Oil Fields as per H.M instructions							
11.15	Electricity Supply to Manadhir Village		Extension of 33/11 KV line with LV distribution network as per survey work .		Power Supply to areas near Oil Fields as per H.M instructions							
11.16	Electricity Supply to Manadhir Al dibian Village		Extension of 33/11 KV line with LV distribution network as per survey work .		Power Supply to areas near Oil Fields as per H.M instructions							
11.17	Electricity Supply to Khawatir farms		Extension of 33/11 KV line with LV distribution network as per survey work .		Power Supply to areas near Oil Fields as per H.M instructions							
11.18	Electricity Supply to Khawatir farms		Extension of 33/11 KV line with LV distribution network as per survey work .		Power Supply to areas near Oil Fields as per H.M instructions							
11.19	Electricity Supply to Al Mashash village		Extension of 33/11 KV line with LV distribution network as per survey work .		Power Supply to areas near Oil Fields as per H.M instructions							
Total												