

INGRA – Reference List for Hydro Power Plants

COUNTRY	PROJECT	YEAR OF SUPPLY
PAKISTAN	HPP Chichoki Mallian 3 x 5,5 MW	1956
PAKISTAN	HPP Guyranwalla 3 x 5,75 MW	1959
ETHIOPIA	HPP Tis Abbay 2 x 4,8 MW	1962
TOGO	HPP Kpime 2 x 1 MW	1962
INDIA	HPP Matatila 23 gates	1962
SYRIA	HPP Yarmouk 2 x 2,2 MW	1962
INDIA	HPP Jaldhaka 2 x 10,6 MW	1963
ETHIOPIA	HPP Adola 3 x 0,62 MW	1963
INDIA	HPP Umiam 2 butterfly valves	1963
NEPAL	HPP Trishuli 3 x 3,75 MW	1963
GUINEA	HPP Grandes Chute 2 x 6,3 MW	1963
INDIA	HPP Yamuna I 2 x 12,4 MW	1964
INDIA	HPP Yamuna II 2 x 19 MW	1964
INDIA	HPP Periyar 1 x 41,2 MW	1964
INDIA	HPP Sholayar – Kerala 3 x 22 MW	1965
INDIA	HPP Sholayar – Madras I 2 x 41,2 MW	1965
ETHIOPIA	HPP Awash II and III - hydromechanical equipment - lining of pressure piping	1966
MOROCCO	HPP Mechra – Klila 2 x 27,7 MW	1966
INDIA	HPP Sholayar II 1 x 27,7 MW	1967
INDIA	HPP Yamuna I extension 1 x 12,5 MW	1967
CAMBODIA	HPP Kirirom I 2 x 5,6 MW	1967
INDIA	HPP Kodayar 1 x 44,5 MW	1967

COUNTRY	PROJECT	YEAR OF SUPPLY
INDIA	HPP Yamuna II extension 1 x 19 MW	1968
IRAN	HPP Mahabad 2 x 3 MW	1969
NEW GUINEA	HPP Donkea 2 x 8,1 MW	1970
NEW GUINEA	HPP Ramu 3 x 15,5 MW	1970
YUGOSLAVIA	HPP Bajina Basta 3 x 98 MW	1970
MACEDONIA	HPP Kalimanci 2 x 5,3 MW	1971
MACEDONIA	HPP Raven 3 x 6,6 MW	1971
NEW ZEALAND	HPP Mangapapa 2 x 9,5 MW	1972
SLOVENIA	HPP Vrutok 4 x 37 MW	1973
YUGOSLAVIA	HPP Derdap 6 x MW	1973
TURKEY	HPP Cildir 3 x 6,4 MW	1973
PAKISTAN	HPP Tarbela Dam hydromechanical equipment	1973
CROATIA	HPP Orlovac 3 x 80 MW	1973
TANZANIA	HPP Kidatu 2 x 52,3 MW	1974
KENYA	HPP Kamburu 3 x 30 MW	1974
YUGOSLAVIA	HPP Mratinje 3 x 117,8 MW	1974
CROATIA	HPP Varaždin 2 x 46 MW	1974
ZAMBIA	HPP Kariba generators 4 x 167 MW hydromechanical and electrical equipment	1975
CEN.AFRICAN REPUBLIC	HPP Boali 2 x 5,1 MW	1975
SLOVENIA	HPP Plave Ajba 1 x 4,1 MW	1975
ISLAND	HPP Mjolka 1 x 6,1 MW	1976
MACEDONIA	HPP Dikance 1 x 0,8 MW	1976
NEW ZEALAND	HPP Ohau A 4 x 70 MW	1977

COUNTRY	PROJECT	YEAR OF SUPPLY
ARGENTINA	HPP Cabra Coral 3 x 34,1 MW	1977
SLOVENIA	HPP Formin 2 x 60 MW	1977
BOSNIA and HERZEGOVINA	HPP Sjencia 1 x 37,2 MW	1978
NEPAL	HPP Silghadi Doti 2 x 0,1 MW	1978
NEW ZEALAND	HPP Ruahihi turbines 2 x 10,5 MW	1978
CROATIA	HPP Zakucac II 2 x 152,6 MW	1979
MACEDONIA	HPP Tikves II 2 x 152,6 MW	1981
U S A	HPP Swan Lake turbines 2 x 13 MW	1982
IRAQ	HPP Hemren Dam 2 x 25 MW	1982
BOSNIA and HERZEGOVINA	HPP Grabovica 2 x 58 MW	1982
CROATIA	HPP Obrovac 2 x 151,8 MW	1982
CROATIA	HPP Čakovec 1 x 40 MW	1985
ETHIOPIA	HPP Tis Abbay II 3 x 3,9 MW	1985
EGYPT	HPP Aswan hydromechanical equipment	1985
GREECE	HPP Stratos 2 x 80 MW	1986
IRAQ	HPP Haditha 6 x 110 MW	1986
U S A	HPP Broadwater hydromechanical equipment	1987
IRAN	HPP Doroodzan 2 x 5,9 MW	1987
U S A	HPP Vidalia hydromechanical equipment	1987
U S A	HPP New Martinsville hydromechanical equipment	1988
ALGER	HPP Bou Hanifia hydromechanical equipment	1988

COUNTRY	P R O J E C T	YEAR OF SUPPLY
CROATIA	HPP Dubrava 2 x 20,8 MW	1989
U S A	HPP Alamo hydromechanical equipmetn	1989
COSTARICA	HPP Birris 2 x 8 MW	1990
NIGERIA	HPP Shiroro generators 4 x 176,5 MVA	1991
TURKEY	HPP Sir Dam 3 x 105 MVA, single-phase transformers 35 MVA	1991
ISLAND	HPP Blanda hydromechanical equipment	1992
TURKEY	HPP Menzelet 4 x 31 MW	1993
BURKINA FASO	HPP Bagre generators 2 x 9 MVA	1993
IRAN	HPP Sephid Rood, overhauling of first generating unit	1995
IRAQ	BAQUBA, Transformer factory, winding and insulation for autotransformer	2002
IRAQ	HPP Sammara, turbine system and equipment	2004
IRAQ	HPP Haditha, 6 x 110 MW, repair of the generator unit No.2	2005
IRAQ	HPP Haditha, 6 x 110 MW, defect detention	2006
IRAQ	HPP Haditha, 6 x 110 MW, spare parts and accessories	2007
IRAQ	HPP Haditha, 6 x 110 MW, runner blades	in progress
IRAQ	HPP Haditha, 6 x 110 MW, spare parts for air blast circuit breakers	in progress
CROATIA	HPP LEŠĆE, 2 X 20,5 MVA	in progress

INGRA – Reference List for Thermal Power Plants

COUNTRY	P R O J E C T	YEAR OF SUPPLY
BOSNIA and HERCEGOVINA	TPP Kakanj 2 x 32 MW	1960
CROATIA	TPP Zagreb 2 x 32 MW	1962
INDIA	TPP Kandia 2 x 5 MW	1962
INDIA	TPP Kanpur 2 x 32 MW	1962
BOSNIA and HERCEGOVINA	TPP Tuzla 2 x 32 MW	1962
CROATIA	TPP Sisak 1 x 200 MW	1962
INDIA	TPP Barauni 3 x 15 MW	1962
INDONESIA	TPP Palembang 2 x 15 MW	1963
INDIA	TPP Basin Bridge – boiler plant	1964
CROATIA	TPP Plomin II, 1 x 210 MW	1990
IRAQ	TPP AL SHEMAL, 4 X 350 MW Circulating Water System, supply of the complete equipment and control system	2004
IRAQ	TPP AL SHEMAL, 4 X 350 MW Transformers	in progress

INGRA – Reference List for Power Transmission and Distribution

COUNTRY	P R O J E C T	YEAR OF SUPPLY
EGYPT	Wadi Natroun Reclamation Project -switchgear and transmission lines 11 kV	1961
PAKISTAN	Electrification of artesian wells	1962
EGYPT	Edfu & Quenna Project - substations 132/33 kV	1963
SUDAN	Sennar –Rabak Project - transmission line and substation 110/11 kV	1963
EGYPT	Transmission lines 11 kV for feeding of new pumping stations in Delta	1964
EGYPT	Cairo zone and West of Delta Project - substations 66/11 kV	1967
IRAN	Substation 63/20 kV	1970
PAKISTAN	Power transformers 10/13 MVA	1971
IRAN	Power transformers 30 MVA	1972
INDIA	Voltage transformers 220 and 132 kV	1972
INDIA	Various transformers 220 and 132 kV	1972
INDIA	Current transformers 220 and 132 kV	1973
INDIA	Voltage transformers 220 and 132 kV	1973
INDIA	Circuit breakers 132 kV	1973
EGYPT	Substations 11/0,4 kV	1974
EGYPT	Electrical equipment for industrial lighting instalation	1974
PAKISTAN	Hardware for transmission lines 132 kV	1974

COUNTRY	P R O J E C T	YEAR OF SUPPLY
INDIA	Current and voltage transformers 220, 230 and 110 kV	1974
INDIA	Voltage transformers 220 kV	1974
IRAQ	Plants and transformers for HPP Hemren Da	1976
INDONESIA	Jabotabek distribution network Project - cables and equipment	1977
TURKEY	Equipment for substations 35/10 kV	1977
EGYPT	Equipment for distribution of electrical energy	1978
EGYPT	Substations 33/11 kV and 66/11 kV	1978
EGYPT	Equipment for distribution of electrical energy	1979
EGYPT	Substations 33/11 kV and 66/11 kV	1979
PAKISTAN	Power transformers 10/13 MVA	1979
TURKEY	Lightning arresters 138 and 30 kV	1960
IRAQ	Distribution transformers 11/0,416 kV	1980
BRASIL	Current and potential transformers	1980
EGYPT	Electrical equipment for distribution network	1980
IRAQ	Distribution transformers 11/0,416 kV	1981
IRAQ	Lightning arresters 11 kV	1981
BRASIL	Power transformers 30/40/50 MVA	1981
EGYPT	Substations 60/11 kV for Salhea Project	1981
EGYPT	Equipment for substations 68/11 kV	1981
EGYPT	Indoor switchgear 1 kV	1981

COUNTRY	P R O J E C T	YEAR OF SUPPLY
EGYPT	Equipment for substations 11/0,4 kV	1982
IRAN	Fasa and Yazd substations 400/66/63 kV	1982
NIGERIA	Substations 132/33/11 kV	1983
ICELAND	Supply of electrical equipment	1983
IRAN	Substations 132/63/20 kV	1983
EGYPT	Substations El Kalubia 220/66/11 kV	1983
IRAN	Substations 132/20 kV	1983
EGYPT	Extension of substations Abu el Matamir 66/11 kV	1983
EGYPT	Supply of pole mounted substations 11/0,4 kV	1983
EGYPT	Power transformers 15/20 MVA	1983
SUDAN	Substations 33/11 kV	1984
BRASIL	Lightning arresters 27 kV	1984
EGYPT	Distribution transformers	1984
EGYPT	Pole mounted transformers 11/0,4 kV	1984
ETHIOPIA	Insulators 33 kV	1984
EGYPT	Equipment for Benha and Kafour el Raml substations 66/11 kV	1985
EGYPT	Equipment for El Beheira substation 66/11 kV	1985
EGYPT	Gerga substations 220 kV	1985
IRAN	Equipment for Fasa substation 400/230 kV	1985
INDIA	Service transformers for Korba Super Thermal Power Project	1985

COUNTRY	P R O J E C T	YEAR OF SUPPLY
INDIA	Service transformers for Ramagundam Super Thermal Power Project	1985
INDIA	Equipment for Rihand Super Thermal Power Project Stage I	1985
INDIA	Equipment for Ramagundam STPP State II	1986
JORDAN	Distribution Transformers 33/0,4 kV	1986
EGYPT	Spare parts for substations 66/11 kV	1986
INDONESIA	Lightning arresters 24 kV for Jabotabek Power XIV Distribution Project	1986
BRASIL	Potential transformers 38 kV	1986
BRASIL	Power transformers 3,75 MVA	1987
BRASIL	Power transformers 15, 12,5 and 5 MVA	1987
BRASIL	Current transformers 145 kV	1987
BRASIL	Power transformers 20, 40, 50 and 80 MVA	1987
BRASIL	Distribution transformers 30 – 112,5 kVA	1987
BRASIL	Power transformers 6,25; 12,5 and 33,3 MVA,	1987
BRASIL	Autotransformers 166, 67 and 75 MVA	1987
BRASIL	Power transformer 60 MVA	1987
JORDAN	Power transformers 10, 16, 40 and 100 MVA	1987
JORDAN	Power transformers 20 MVA	1987
HUNGARY	Power transformers 20 MVA	1987
ALGERIA	Substations 220/60 kV Jijel, Emir Abdelkader and Skikda	1987
SUDAN	Khartoum North Power Station – Phase 2, - supply and erection of electrical equipment	1989
IRAN	K.R.E.C. Substations 132/63/20 kV	1994

IRAN	FASA & YAZD Substation, 400/230 kV, equipment	1994
EGYPT	EL MANDOURA, Substation 66/11 kV	1994
EGYPT	HAYKSTEP, Substation 66/11 kV	1994