

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

NORTH SINAI DEVELOPMENT ORGANIZATION
MINISTRY OF WATER RESOURCES AND IRRIGATION
THE ARAB REPUBLIC OF EGYPT

THE NORTH SINAI INTEGRATED RURAL DEVELOPMENT PROJECT
(PHASE III)
(DETAILED DESIGN STUDY)

VOLUME IV : TENDER DOCUMENT OF PACKAGE 3
(KM 118.560 TO KM 132.500)

(VOL. IV-1 : INVITATION FOR TENDER, CONDITIONS OF CONTRACT,
TECHNICAL SPECIFICATIONS AND BILL OF QUANTITIES)

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SANYU CONSULTANTS INC.
PACIFIC CONSULTANTS INTERNATIONAL

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ARAB REPUBLIC OF EGYPT

**MINISTRY OF WATER RESOURCES AND IRRIGATION
MECHANICAL AND ELECTRICAL DEPARTMENT
ON BEHALF OF
NORTH SINAI DEVELOPMENT ORGANIZATION**

NORTH SINAI DEVELOPMENT PROJECT

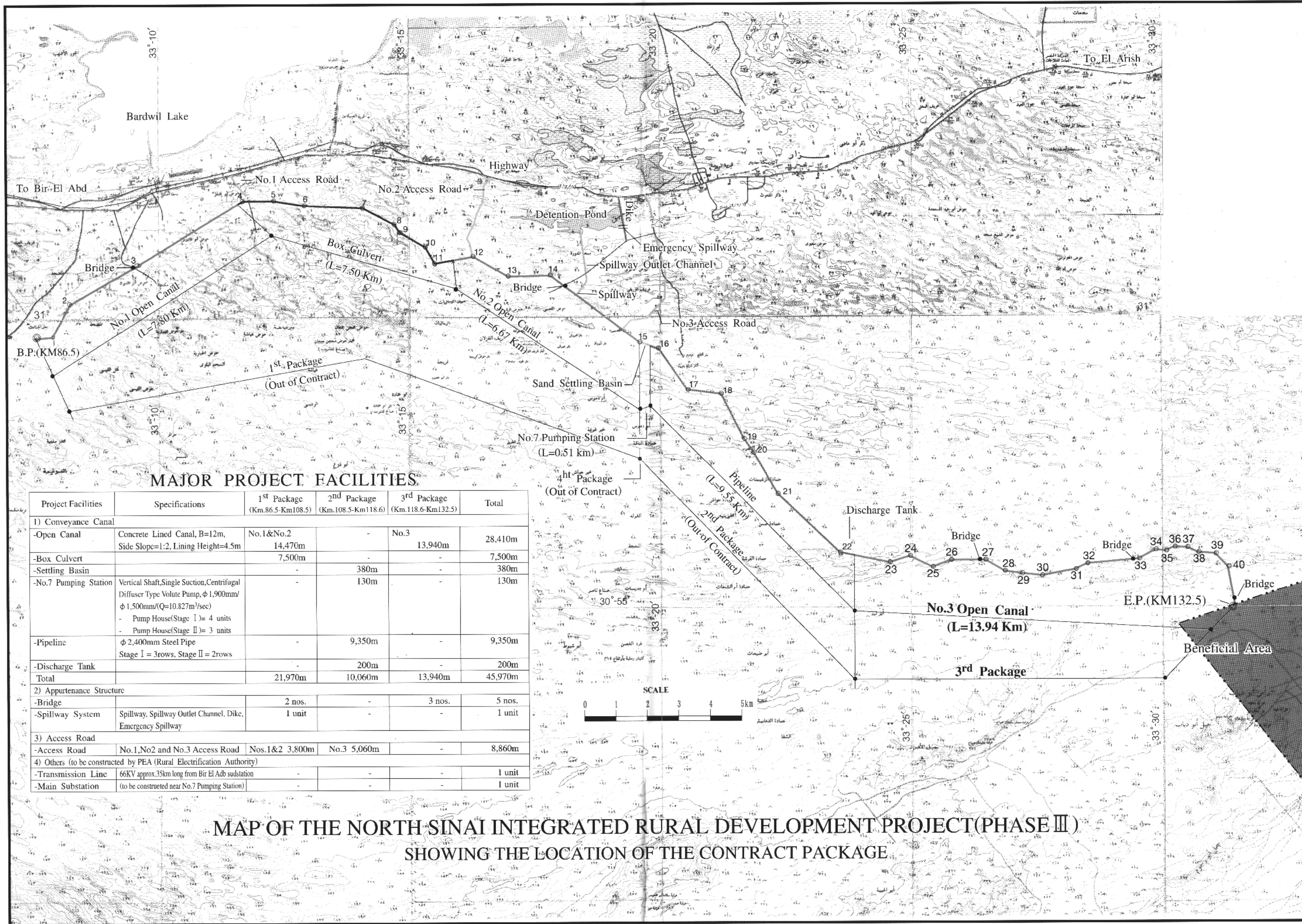
**CONVEYANCE SYSTEM OF
EL SHEIKH GABER EL SABBABH CANAL
BETWEEN KM 118.560 AND KM 132.500**

TENDER DOCUMENTS

VOLUME I (1)

**MODEL NO. 2333B <COMMITTEE>
TENDERING CONDITIONS
INSTRUCTIONS TO TENDERERS
GENERAL CONDITIONS
SPECIFICATIONS & TECHNICAL CONDITIONS**

(month) 200x



MAJOR PROJECT FACILITIES

Project Facilities	Specifications	1 st Package (Km.86.5-Km108.5)	2 nd Package (Km.108.5-Km118.6)	3 rd Package (Km.118.6-Km132.5)	Total
1) Conveyance Canal					
-Open Canal	Concrete Lined Canal, B=12m, Side Slope=1:2, Lining Height=4.5m	No.1&No.2 14,470m	-	No.3 13,940m	28,410m
-Box Culvert		7,500m	-	-	7,500m
-Settling Basin		-	380m	-	380m
-No.7 Pumping Station	Vertical Shaft, Single Suction, Centrifugal Diffuser Type Volute Pump, ϕ 1,900mm/ ϕ 1,500mm(Q=10.827m ³ /sec) - Pump House(Stage I) = 4 units - Pump House(Stage II) = 3 units	-	130m	-	130m
-Pipeline	ϕ 2,400mm Steel Pipe Stage I = 3rows, Stage II = 2rows	-	9,350m	-	9,350m
-Discharge Tank		-	200m	-	200m
Total		21,970m	10,060m	13,940m	45,970m
2) Appurtenance Structure					
-Bridge		2 nos.	-	3 nos.	5 nos.
-Spillway System	Spillway, Spillway Outlet Channel, Dike, Emergency Spillway	1 unit	-	-	1 unit
3) Access Road					
-Access Road	No.1, No.2 and No.3 Access Road	Nos.1&2 3,800m	No.3 5,060m	-	8,860m
4) Others (to be constructed by PEA (Rural Electrification Authority))					
-Transmission Line	66KV approx.35km long from Bir El Adb substation	-	-	-	1 unit
-Main Substation	(to be constructed near No.7 Pumping Station)	-	-	-	1 unit

**MAP OF THE NORTH SINAI INTEGRATED RURAL DEVELOPMENT PROJECT(PHASE III)
SHOWING THE LOCATION OF THE CONTRACT PACKAGE**

**Conveyance System of El Sheikh Gaber El Sabbah Canal
between Km 118.560 and Km 132.500**

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Part (B) Specifications for Different Works Parts - Foundation Works

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Article 69: Details and General Conditions

Volume I (3) Particular Conditions of Contract

Volume II Bill of Quantities

Summary and Total

OC-0300 No.3 Open Canals

Volume III Tender Drawings