

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 III : TENDER DOCUMENT OF PACKAGE 2  
( KM 108.466 TO KM 118.560 )

( VOL. III-2 : INVITATION FOR TENDER, INSTRUCTIONS TO TENDERERS  
AND CONDITIONS OF CONTRACT )

OCTOBER, 2000

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 108.466 AND KM 118.560  
EL SALAAM NO.7 (BIR EL ABD) PUMPING STATION**

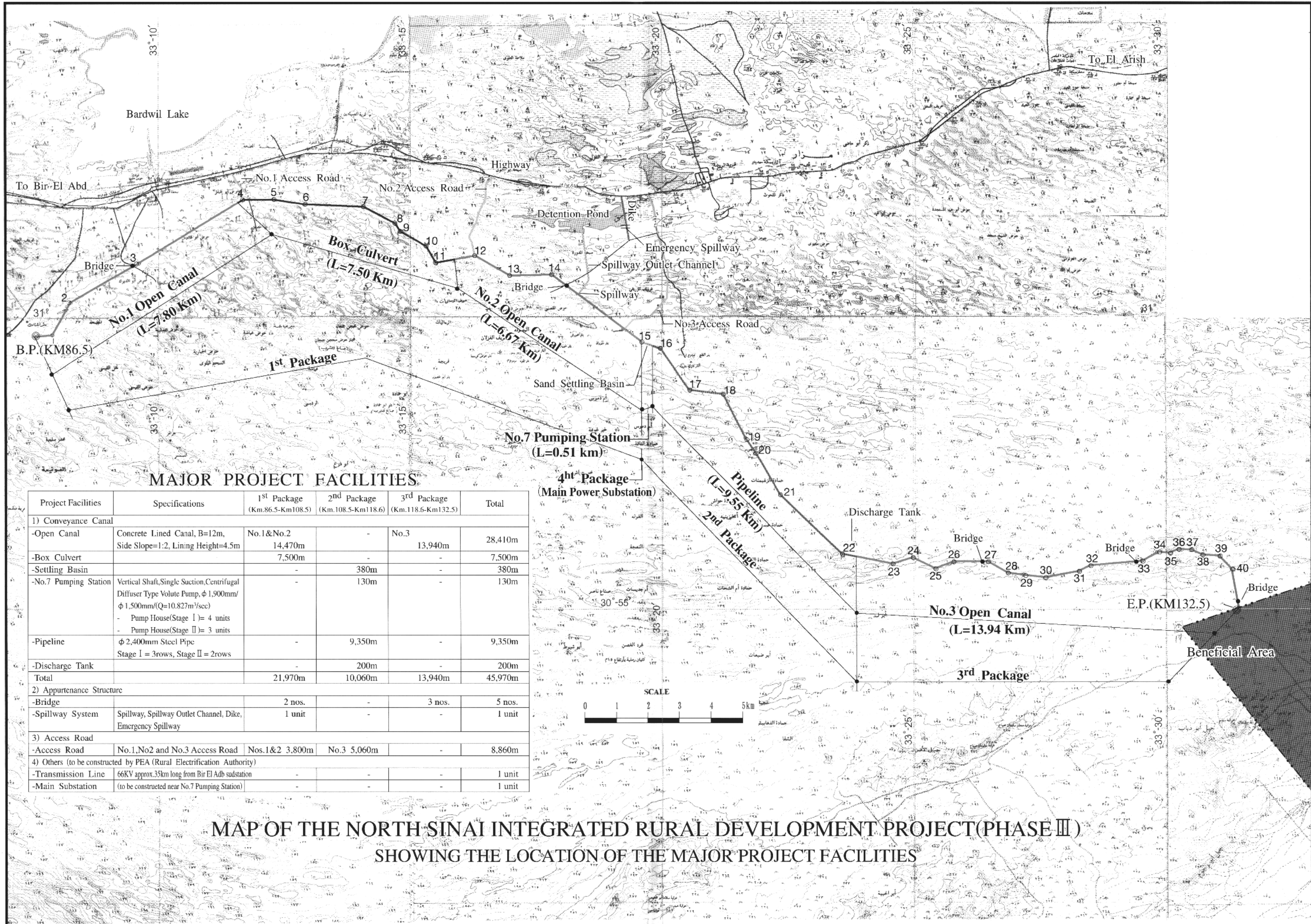
**TENDER DOCUMENTS**

**VOLUME I-1**

**INVITATION FOR TENDER**

**INSTRUCTIONS TO TENDERERS**

**(month) 200x**



**MAJOR PROJECT FACILITIES**

Project Facilities	Specifications	1 <sup>st</sup> Package (Km.86.5-Km108.5)	2 <sup>nd</sup> Package (Km.108.5-Km118.6)	3 <sup>rd</sup> Package (Km.118.6-Km132.5)	Total
<b>1) Conveyance Canal</b>					
-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, $\phi$ 1,900mm/ $\phi$ 1,500mm (Q=10.827m <sup>3</sup> /sec) - Pump House (Stage I) = 4 units - Pump House (Stage II) = 3 units	-	130m	-	130m
-Pipeline	$\phi$ 2,400mm Steel Pipe Stage I = 3rows, Stage II = 2rows	-	9,350m	-	9,350m
-Discharge Tank		-	200m	-	200m
<b>Total</b>		<b>21,970m</b>	<b>10,060m</b>	<b>13,940m</b>	<b>45,970m</b>
<b>2) Appurtenance Structure</b>					
-Bridge		2 nos.	-	3 nos.	5 nos.
-Spillway System	Spillway, Spillway Outlet Channel, Dike, Emergency Spillway	1 unit	-	-	1 unit
<b>3) Access Road</b>					
-Access Road	No.1, No.2 and No.3 Access Road	Nos.1&2 3,800m	No.3 5,060m	-	8,860m
<b>4) Others (to be constructed by PEA (Rural Electrification Authority))</b>					
-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 MAJOR PROJECT FACILITIES**

**NORTH SINAI DEVELOPMENT PROJECT**

**TENDER DOCUMENTS**

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**INVITATION FOR TENDER**

**INSTRUCTIONS TO TENDERERS**

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