

Record of the Technical Analysis of bids submitted for the International Public BID (LPI) No 01/2015. For: THE "Irrigation Infrastructure in the Jamastran Valley Turnkey Project" OF: PUMP STATIONS AND IRRIGATION EQUIPMENT DESTINED FOR THE DEVELOPMENT OF AGRICULTURE AND IRRIGATION PROJECT IN JAMAISTRAN VALLEY IN HONDURAS.

Pursuant to clause, 32.1 according of the ITB of the above Bid Documents establishing the Preliminary Examination of Bids.

Pursuant Section II Bid Data Sheet BDS clause ITB 11.1, it has been established that bidders shall submit the legal, financial and technical documents with the tender offers.

The evaluation started at 9:30 am with the process of review of the technical documents submitted with the tenders' documents.

The meeting was held in the office of the Technical Assistant of the Secretary of Agriculture and Livestock (SAG), by four separated days, August 27, August 31, September 02, and September 16, 2015.

According to the SAG Memorandum, 055-2015 the evaluation committee appointed with the following participants on each day:

Representative of the Secretary of Agriculture and Livestock (SAG):

Mr. Ramon Edgardo Carcamo Rivera, Technical Assistant of the Secretary of Agriculture and Livestock SAG. Acting according to the (SAG) Memorandum, 055-2015 as Coordinator.

Representative of the PRONAGRI of the Secretary of Agriculture and Livestock (SAG):

Mr. Juan Carlos Colindres Rosales on his condition of PRONAGRI Director.

Representative of the Administrative Office of the Secretary of Agriculture and Livestock (SAG):

Mrs. Allison Yiusit Montoya Zambrano Administrative Manager of the SAG.

Representative of the Honduras Invest Agency:

Mr. Hector Tablas on his condition of manager of COMRURAL according to the Note, SAG 936/2015.

Reading as follows:

1. The Evaluation Committee proceeded to review and analyze the technical documents submitted by the following bidders':

WAPCOS LIMITED.

ANGELIQUE INTERNATIONAL LIMITED.

JAIN IRRIGATION SYSTEMS LIMITED.

APOLLO INTERNATIONAL LIMITED.



2. Technical analysis of documents submitted with the bids, according to this Evaluation Committee, declared the submitted documents should have clarifications and it was send official notes numbers, PMCLOC- 204-2014- 004, 005, 006, 007 dated on September 03, 2015. To each bidders company requiring these clarifications.

3. This Evaluation Committee, declare the date line for this queries answers the September 10, 2015 at the 05:00 pm Honduras time.

4. - Once the clarifications received as per required in legal and proper form, the Evaluation Committee proceed to complete the evaluation chart.

5. - The resume of the individual evaluation chart is as follow:

No	Company Name	Evaluation And Rating Criteria (ITB 36.3 (d)).					
		Technical Evidence	Technical Evaluation	Facilities for Design, Manufacturing	Execution Period	ISO 9001. ISO 14001.	Total Marks
1	Wapcos Limited.	10	08.80	10	5	5	38.80
2	Angelique International limited	10	10.00	10	1	5	36.00
3	Jain Irrigation Systems limited.	10	11.40	10	10	5	46.40
4	Apollo International Limited.	10	17.60	10	5	5	47.60

Attached to this record are the individual evaluation chart to each company, signed as well by the members of the Evaluation Committee.

6.- Pursuant Page 21 Clause 33 Sub Clause 33.3of the Bid Documents The Evaluation Committee declared to continue to check the economical offer of the next two companies:

JAIN IRRIGATION SYSTEMS LIMITED.

APOLLO INTERNATIONAL LIMITED.

There being no further to discuss, the meeting was adjourned at 5:30pm in Tegucigalpa, M.D.C. On September 16, 2015. Signing for the record.


Mr. Ramon Edgardo Carcamo Rivera
Evaluation Committee Coordinator


Mrs. Allison Yiusith Montoya Zambrano
Administrative Manager SAG


Mr. Juan Carlos Colindres Rosales
PRONAGRI Director


Mr. Hector Tablas
Manager COMRURAL

Irrigation Infrastructure in the Jamastran Valley Turnkey Project of: Pump Stations and Irrigation Equipment destined for the Development of Agriculture and Irrigation Project in Jamastran Valley in Honduras

IV – TECHNICAL EVALUATION = 20 MARKS

ESSENTIAL REQUIREMENT =	6
SUITABILITY OF DESIGN OFFERED =	24
DISTANCE BETWEEN LATERALS =	5
EQUIPMENT AT FARM LEVEL =	15
APPLICATION RATE =	5
COMPENSATED EMITTERS =	5
LEVEL OF AUTOMATION (Wireless Technology) =	20
SERVICE CENTER IN HONDURAS - PUMPS =	10
CENTER TYPE OF FILTERING FOR THE PUMPING STATION =	5
RESERVOIR =	5
TOTAL	100

19908-166

Irrigation Infrastructure in the Jamastran Valley Turnkey Project of: Pump Stations and Irrigation Equipment destined for the Development of Agriculture and Irrigation Project in Jamastran Valley in Honduras

Form IV_1_4

ESSENTIAL REQUIREMENT

No.	Description	Bidder 1	Bidder 2	Bidder 3	Bidder 4
1	Original Catalogues of the Drip Irrigation Equipment, Pumps and Drilling Rig	2	2	2	2
2	PVC Pipes - Confirmation that PVC pipes will be as per American standard	2	2	2	2
3	Drip Line - Confirmation that Drip Line/Emitter line shall be as per American Standard	2	2	2	2
TOTAL		6	6	6	6

Remarks:

Poor 20
Insufficient: 40
Satisfactory: 80
Good: 90
Very Good: 100

Rating: 6
Have = 2
Don't Have = 0

Bidder 1: WAPCOS, Limited.
Bidder 2: Angelique International Limited
Bidder 3: Jain Irrigations System Ltd.
Bidder 4: Apollo International Ltd.



Irrigation Infrastructure in the Jamastran Valley Turnkey Project of: Pump Stations and Irrigation Equipment destined for the Development of Agriculture and Irrigation Project in Jamastran Valley in Honduras

Form IV-2

SUITABILITY OF DESIGN OFFERED

#	Description	Bidder 1	Bidder 2	Bidder 3	Bidder 4
1	Efficient use of energy	0	2	2	5
2	Easy maintenance	0	5	4	4
3	Availability of water in dry season	7	0	7	14
TOTAL		7	7	13	23

Remarks: WAPCOS 16 hrs of irrigation water reservoir, however there is not desing in paper.
 ANGELIQUE INTL. LTD 0 hrs of irrigation water reservoir, the design does not provide reservoirs.
 JAIN IRRIGATION SYS 16 hrs of irrigation sump cum water reservoir
 APOLLO INTL. LTD 32 hrs of irrigation water reservoir

Poor 20 Rating: = 24
 Insufficient: 40 Efficient use of energy = 5
 Satisfactory: 80 Easy maintenance = 5
 Good: 90 Availability of water in dry season = 14
 Very Good: 100

Bidder 1: WAPCOS: Limited.
 Bidder 2: Angelique International Limited
 Bidder 3: Jain Irrigations System Ltd.
 Bidder 4: Apollo International Ltd.



[Handwritten signature]

Irrigation Infrastructure in the Jamastran Valley Turnkey Project of: Pump Stations and Irrigation Equipment destined for the Development of Agriculture and Irrigation Project in Jamastran Valley in Honduras

Form IV-3

LATERALS LOCATION.

#	Description	Bidder 1	Bidder 2	Bidder 3	Bidder 4
1	Underground	0	0	0	0
2	Superficial				
	TOTAL	0	0	0	0

Remarks:

Poor 20
Insufficient: 40
Satisfactory: 80
Good: 90
Very Good: 100

Rating: = 5
Underground = 5.0
Superficial = 0

Bidder 1: WAPCOS, Limited.
Bidder 2: Angelique International Limited
Bidder 3: Jain Irrigations System Ltd.
Bidder 4: Apollo International Ltd.



[Handwritten signature]



[Handwritten signature]

**Irrigation Infrastructure in the Jamastran Valley Turnkey Project of: Pump Stations and Irrigation Equipment destined for the Development of
Agriculture and Irrigation Project in Jamastran Valley in Honduras**

Form IV-4

EQUIPMENT AT FARM LEVEL

Evaluator:

#	Description	Bidder 1	Bidder 2	Bidder 3	Bidder 4
1	Water meter	3	3	0	5
2	Fertigation equipment	0	0	0	5
3	Filter system	5	5	5	5
	TOTAL	8	8	5	15

Remarks:

WAPCOS Flowmeter with flow totalizing capability, Screen filters and sand filters, automatic backwash.
ANGELIQUE INTL. LTD Screen filters and sand filters, automatic backwash.
JAIN IRRIGATION SYS Each 11 pumping unit will have water meter, filter station.
APOLLO INTL. LTD Every farmer will have water meter, fertirrigation equipment, HCU of solenoid valve, disc filter.

Poor 20
Insufficient: 40
Satisfactory: 80
Good: 90
Very Good: 100

Rating: = **15**

Water meter = 5
Fertigation equipment = 5
Filter system = 5

Bidder 1: WAPCOS. Limited
Bidder 2: Angelique International Limited
Bidder 3: Jain Irrigations System Ltd.
Bidder 4: Apollo International Ltd.



Irrigation Infrastructure in the Jamastran Valley Turnkey Project of: Pump Stations and Irrigation Equipment destined for the Development of Agriculture and Irrigation Project in Jamastran Valley in Honduras

Form IV-5

APPLICATION RATE

#	Description	Bidder 1	Bidder 2	Bidder 3	Bidder 4
1	Considered	0	5	5	5
2	Not Considered	0	0	0	0
TOTAL		0	5	5	5

Remarks:

All the companies consider the application rate according to crops calendar. With the exception of WAPCOS.

WAPCOS does not show paper desing.

Poor 20
 Insufficient: 40
 Satisfactory: 80
 Good: 90
 Very Good: 100

Rating: = 5
 Considered = 5
 Not Considered = 0

Bidder 1: WAPCOS, Limited
 Bidder 2: Angelique International Limited
 Bidder 3: Jain Irrigations System Ltd.
 Bidder 4: Apollo International Ltd.



Irrigation Infrastructure in the Jamastran Valley Turnkey Project of: Pump Stations and Irrigation Equipment destined for the Development of Agriculture and Irrigation Project in Jamastran Valley in Honduras

Form IV-6

COMPENSATED EMITTERS

#	Description	Bidder 1	Bidder 2	Bidder 3	Bidder 4
1	Offered	-----	5	5	5
2	Not Offered	0	0	0	0
	TOTAL	0	5	5	5

Remarks:

WAPCOS Does not show design.
ANGELIQUE INTL. LTD New PC Inline (Mahindra Agribussines).
JAIN IRRIGATION SYS Jain Turbo Top.
APOLLO INTL. LTD Drip Net PC (NETAFIM)

Poor 20
Insufficient: 40
Satisfactory: 80
Good: 90
Very Good: 100

Rating: = 5
Offered = 5
Not Offered = 0

Bidder 1: WAPCOS, Limited
Bidder 2: Angelique International Limited
Bidder 3: Jain Irrigations System Ltd.
Bidder 4: Apollo International Ltd.



Handwritten signature and initials.



LEVEL OF AUTOMATION (Wireless Technology)

#	Description	Bidder 1	Bidder 2	Bidder 3	Bidder 4
1	Control center	0	0	2	5
2	Information of flow	4	5	2	5
3	Information of pressure	4	5	2	5
4	Ability to interact with other software	0	0	2	4
TOTAL		8	10	8	19

Remarks:

WAPCOS Does not show design however specify flow and pressure meters.

ANGELIQUE INTL. LTD Specify flow and pressure meters on each plot.

JAIN IRRIGATION SYS Control Center, flowmeters, pressure meters for 11 units, Software Excell Report.

APOLLO INTL. LTD Every unit will have control center, every farmer will have flowmeter, pressure meters. Windows software.

Poor 20
Insufficient: 40
Satisfactory: 80
Good: 90
Very Good: 100

Rating: = 20

Control center = 5
Information of flow = 5
Information of pressure = 5
Ability to interact with other software = 5

Bidder 1: WAPCOS. Limited
Bidder 2: Angelique International Limited
Bidder 3: Jain Irrigations System Ltd.
Bidder 4: Apollo International Ltd.



[Handwritten signature]



[Handwritten signature]

Irrigation Infrastructure in the Jamastran Valley Turnkey Project of: Pump Stations and Irrigation Equipment destined for the Development of Agriculture and Irrigation Project in Jamastran Valley in Honduras

Form IV-8

SERVICE CENTER IN HONDURAS - PUMPS

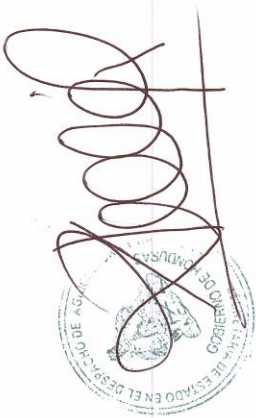
#	Description	Bidder 1	Bidder 2	Bidder 3	Bidder 4
1	Have service	10	10	10	10
2	Don't have service				
	TOTAL	10	10	10	10

Remarks: WAPCOS/Local Distributor :M/S Emergent Engineer Honduras.
ANGELIQUE INTL. LTD/Local Distributor :CAMOSA.
JAIN IRRIGATION SYS./Local Distributor :DICOMSA.
APOLLO INTL. LTD./Local Distributor :R Y M /NETAFIM

Poor 20
Insufficient: 40
Satisfactory: 80
Good: 90
Very Good: 100

Rating: = 10
Have service = 10
Don't have service = 0

Bidder 1: WAPCOS. Limited
Bidder 2: Angelique International Limited
Bidder 3: Jain Irrigations System Ltd.
Bidder 4: Apollo International Ltd.






CENTER TYPE OF FILTERING FOR THE PUMPING STATION

#	Description	Bidder 1	Bidder 2	Bidder 3	Bidder 4
1	In the plot, automation level, type of filter media	3	2	5	5
TOTAL		3	2	5	5

Remarks: WAPCOS Does not show design however specify flow and pressure meters, sand and screen filters.
ANGELIQUE INTL. LTD Specify sand and screen filters.
JAIN IRRIGATION SYS Specify flow and pressure meters, sand and screen filters.
APOLLO INTL. LTD Specify flow and pressure meters, sand and screen filters.

Signature

Poor 20 Rating: = 5
Insufficient: 40 0 to 5 marks
Satisfactory: 80
Good: 90
Very Good: 100

Bidder 1: WAPCOS, Limited
Bidder 2: Angelique International Limited
Bidder 3: Jain Irrigations System Ltd.
Bidder 4: Apollo International Ltd.



Irrigation Infrastructure in the Jamastran Valley Turnkey Project of: Pump Stations and Irrigation Equipment destined for the Development of Agriculture and Irrigation Project in Jamastran Valley in Honduras

Form IV-10

RESERVOIR

Evaluator:

#	Description	Bidder 1	Bidder 2	Bidder 3	Bidder 4
	HDPE Lining	0	0	0	0
	TOTAL	0	0	0	0

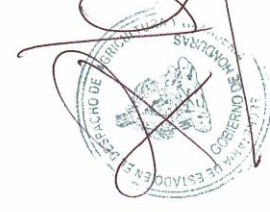
Remarks:

None of the companies will use HDPE Lining.

Poor 20
Insufficient: 40
Satisfactory: 80
Good: 90
Very Good: 100

Rating: = 5
0 to 5 marks

Bidder 1: WAPCOS, Limited
Bidder 2: Angelique International Limited
Bidder 3: Jain Irrigations System Ltd.
Bidder 4: Apollo International Ltd.



Handwritten signature in blue ink.



Handwritten signature in blue ink.