

Middle Mewa Hydropower Project (49 MW)

Expression of Interest (EOI) Document for

**Design, Manufacture, Supply, Erection, Testing and
Commissioning of Hydromechanical Works**

Contract Identification No.: MDPL-Lot 3- 2077/78-03

Issued By:

**Mewa Developers Pvt. Ltd.
Sanepa-2, Lalitpur**

October 2020

Expression of Interest (EOI)

Design, Manufacture, Supply, Erection, Testing and Commissioning of Hydromechanical Works

Contract Identification No.: MDPL-Lot 3- 2077/78-03

Project Name : Middle Mewa Hydropower Project
Office Name : Mewa Developers Pvt. Ltd.
Office Address : Sanepa-2, Lalitpur
Issued on :11 October, 2020

Abbreviations

Eoi	Expression of Interest
MDPL	Mewa Developers Pvt. Ltd.
USD	United States Dollar
MW	Megawatt
m	Meters

Contents

A	Request for Expression of Interest	1
B	Instructions for submission of Expression of Interest	2
C	Project Information and Scope of Works	4
	1. Project Background	4
	2. Salient Features	4
	3. Access to the Site and Transportation Route	8
	4. Contract Lot Splitting	9
	5. Scope of Work under Hydromechanical Works (Lot-3) Package	9
D	Eligibility Criteria and Key information required	12
	1. Eligibility Criteria	12
	2. Key Information required from the applicants	12
	3. Financial Capabilities	12
E	Information Forms	14

A Request for Expression of Interest

 MEWA DEVELOPERS PVT. LTD. <u>Middle Mewa Hydropower Project (49 MW)</u>
Request for Expression of Interest
For DESIGN, MANUFACTURE, SUPPLY, ERECTION, TESTING AND COMMISSIONING OF HYDROMECHANICAL WORKS OF MIDDLE MEWA HYDROPOWER PROJECT (Date of Publication: 11 October, 2020)
<ol style="list-style-type: none">1. This invitation for Expression of Interest (Eol) has been issued to all national and international Hydromechanical Works Contractors, who are eligible in accordance with the conditions stated in the Eol Document, and who are interested in undertaking Design, Manufacture, Supply, Erection, Testing and Commissioning of Hydromechanical Works of Middle Mewa Hydropower Project. The project is located in Mikhwa khola Gaupalika of Taplejung District, Province No. 1, Nepal.2. The Generation License for the Middle Mewa Hydropower Project has already been received from Department of Electricity Development, Ministry of Energy, Water Resources and Irrigation, Government of Nepal.3. The financial closure for the Middle Mewa Hydropower Project has been completed and Civil Works Contractor has been mobilized to the site.4. Interested eligible contractors may obtain further information and Eol documents free of cost from the client's website www.urjadeveloper.com/notices.php.5. Eol must be received at the email address given below on or before 16:00 hours local time on 30 October, 2020. If the last date of submission happens to be a public holiday, submission shall be made on the next working day.6. Interested eligible Contractors shall provide adequate information regarding their organization, experience and financial standings as described in "Eol Documents".7. Mewa Developers Pvt. Ltd. reserves the right to accept or reject any or all applications and cancel the Eol Process and reject all applications without assigning any reason whatsoever.8. All submittals from the Contractor shall be in English language.9. Considering the Covid-19 pandemic, Eol shall be submitted from the official email address of the applicant to the following email address. email: info@urjadeveloper.com Mewa Developers Pvt. Ltd. P.O. Box No.: 617, Sanepa - 2, Lalitpur, Nepal Tel: +977-1-5530135, 5525228 url: www.urjadeveloper.com

B Instructions for submission of Expression of Interest

1. The Employer, named as following, intends to receive Expression of Interest for the Works as mentioned below

The Employer:

Mewa Developers Pvt. Ltd.

P.O. Box No.: 617, Sanepa-2, Lalitpur, Nepal

Tel. No.:+977-1-5530135, 5525228

Email: info@urjadeveloper.com

The Works:

“Design, Manufacture, Supply, Erection, Testing and Commissioning of Hydromechanical Works of Middle Mewa Hydropower Project”

2. The financial closure for the Middle Mewa Hydropower Project has been completed.
3. The Eligibility of the Applicant/Contractor shall be determined based on the Eligibility Criteria under Section D Eligibility Criteria and Key information required.
4. Interested eligible Contractors shall provide adequate information regarding their organization, experiences and financial standings as described in “EOI Documents”.
5. In the relevant Information Form, the Applicant shall provide evidence of the general experience (as stated in Eligibility Criteria and Key information required) in relation to Hydromechanical Works completed in the role of Contractor or Sub Contractor.
6. In the relevant Information Form, the Applicant shall provide evidence of the particular experience (as stated in Eligibility Criteria and Key information required) in relation to Hydromechanical equipment completed.
7. In the relevant Information Form, the Applicant shall submit the audited balance sheets or, if not required by the laws of the Applicant’s country, other financial statements acceptable to the Employer, for the last five years and must demonstrate the current soundness of the Applicant’s financial position and indicate its prospective long-term profitability (Average Annual turnover, Working Capital and Net worth).
8. Expression of Interest should contain the following information:
 - (i) A covering letter addressed to the representative of the Employer on the official letterhead of the company duly signed by authorized signatory.
 - (ii) Applicants shall provide the following information in the respective formats given in the EOI document:
 - *Information Form: Letter of Application (IF 1)*
 - *Information Form: General Information (IF 2)*
 - *Information Form: General Construction (Design, Manufacture, Delivery, Installation, Testing and Commissioning) Experience record (IF 3)*
 - *Information Form: Particular Construction (Design, Manufacture, Delivery, Installation, Testing and Commissioning) Experience record (IF 4)*

- *Information Form: Current Contract Commitments/ Work in Progress (IF 5)*
 - *Information Form: Financial Capabilities (IF 6)*
9. Applicants may submit additional information with their application but shortlisting will be based on the evaluation of information requested and included in the formats provided in the EOI document.
 10. The Employer may, at its discretion, ask any applicant for a clarification of its application.
 11. The Expression of Interest (EOI) document must be duly completed and applicants can submit their EOI application through email in the email address mentioned.
 12. The completed EOI document must be submitted on or before the date and address mentioned in the “**Request for Expression of Interest**” through company email address. In case the submission falls on a public holiday the submission can be made on the next working day. Any EOI Document received after the closing time for submission of proposals shall not be considered.
 13. All submittals from the Applicants shall be in the English language.
 14. For the Hydromechanical Works of Middle Mewa Hydropower Project, the time for completion date is 15th October 2022.
 15. The Employer reserves the right to accept or reject any or all applications and cancel the EOI Process and reject all applications without assigning any reason whatsoever.

C Project Information and Scope of Works

1. Project Background

Middle Mewa Hydropower Project is a Peaking run-of-river type project with an installed capacity of 49 MW designed to generate 290.76 GWh energy annually with 93.04 GWh during dry months (50.015 GWh during peaking hours of dry months and 43.022 GWh during off-peaking hours of dry months) and 197.72 GWh during wet months. The project area is located between 1452 m and 975 m above mean sea level in the middle reach of Mewa Khola in Taplejung District, Province 1 of Nepal. All the components of the project are proposed in Mikhwa khola Rural Municipality along the left bank of the Mewa River.

The Headworks site is located approximately 5.2 km upstream of the Sankranti Bazar along Mewa Khola and just downstream of the confluence of Phungphunge Jharna and Mewa Khola. A 23 m high concrete dam is proposed which will divert the water to headrace tunnel through the intake, approach culverts and settling basin. A headrace tunnel of about 5280 m length will be major water conveyance system to carry the water to vertical penstock shafts and pressure tunnels through an underground surgeshaft; finally delivering water to the powerplant. The powerplant which is located at the left bank of Mewa Khola on the foothill of Sumulunga village will be equipped with three units of Pelton turbines each with a rated output capacity of 16.85 MW. The power generated by the project will be evacuated through 132 kV transmission line of approximately 15km length to Nepal Electricity Authority's under-construction 220kV substation under the Koshi corridor located at Hangpang.

The project is being promoted by Mewa Developers Pvt. Ltd., which is an associate project company of Urja Developers Pvt. Ltd.

2. Salient Features

GENERAL	
Name of the Project	Middle Mewa Hydropower Project
Name of the River	Mewa Khola
Type of Scheme	Peaking Run-of-River
Village Development Committee	Mikhwa Khola Rural Municipality
District	Taplejung
Province	No. 1
Headworks Area	Temba
Powerhouse Area	Lapsibote
Project Area	Lat. 27°30'29"N to 27°26'52"N Long. 87°38'15"E to 87°36'30"E
HYDROLOGY	
Catchment Area at Intake	333 km ²
Catchment Area at Powerhouse	530 km ²
Design Discharge	12.56 m ³ /s
Probability of exceedance of Design Flow	40%
Average annual discharge	19.95 m ³ /s
Minimum monthly discharge	4.77 m ³ /s
Maximum monthly discharge	63.30 m ³ /s
Minimum environmental release	0.477 m ³ /s

1 in 100 years Design Flood at Dam	670 m ³ /s
1 in 1000 years Design Flood at Dam	926 m ³ /s
Diversion Flood (during construction)	489 m ³ /s
DAM	
Type of Dam	Gravity with gated spillway
Crest Length	36.5m
Dam Crest Level	EL. 1449 masl
Height of Dam	23m (U/S apron to FSL)
Lowest River Bed Level at Dam axis	1431 masl
Type of energy dissipation	Stilling Basin and Flip bucket
Type of operation	Peaking
Full Supply Level	EL. 1452 masl
Maximum Drawdown Level	EL. 1445 masl
Total capacity of the reservoir	0.29 M m ³
Live storage volume	0.21 M m ³
Dead storage volume	0.08 M m ³
Inundation Area	35315 m ²
Back water length	560 m
Peaking duration	6 hours
INTAKE	
Side Intake orifice	8m (W) x 2.5m (H)
Invert Level	EL. 1440m
No. of openings	1
Intake Discharge	16.33 m ³ /s
SAND TRAP	
Size	8m x 8m x 14 m (L x B x H)
Flushing	Box Culvert 1.3m x 1.33 m 15.3 m long
APPROACH CULVERT	
Length of Culvert	21.5m
Number of Culverts	3
Size of Culvert	2m width x 2.5m height
SETTLING BASIN	
Type	Three Chamber Hooper type surface settling basin
Settling criteria	Gravity
Number of Bays	Three
Nominal Size of Trapped Particle	0.20mm

Settling design temperature	15°C
Trap Efficiency	90%
Inlet Transition	15.6 m
Longitudinal Slope	1 in 50
Size	60m(L) x 7.5m (W) x 8.5m (H) 3.5m hopper depth
Flushing	Gated Box Culvert 1.25m (W)x 1.2 m (H) x 55m (L)
SETTLING BASIN OUTLET POND	
Size	26.6 m (L) x 5m(W) x12.12m (H)
Normal Water Level	1444.90 masl
HEADRACE TUNNEL	
Section Type	Inverted-D
Length	5280 m
Finish Diameter	3.8m
Finish Height	4.1m
Support	Shotcrete and Concrete lining
SURGE SHAFT	
Diameter	6m
Height	53.78m
USWL	1466 masl
DSWL	1430 masl
Ventilation tunnel	2.2m dia, 50m length
VERTICAL PENSTOCK SHAFT	
Vertical Shaft 1	
Material	Steel (concrete infill between shaft and pipe)
Finish Diameter	2.0m
Excavation diameter	3.4m
Height	223m
Vertical Shaft 2	
Material	Steel (concrete infill between shaft and pipe)
Finish Diameter	2m
Excavation diameter	3.4m
Length	171m
PENSTOCK TUNNEL	
Upper	
Material	Shotcrete lining with steel penstock
Finish Diameter	3.6m
Excavation diameter and height	3.8m

Length	202m
Lower	
Material	Shotcrete lining with steel penstock
Finish Diameter	3.6m
Excavation diameter and height	3.8m
Length	220 m
POWERHOUSE	
Type	Surface
Int. Dimension	44m (L) x 16m (W) x 30.8m (H)
Turbine Axis Level	EL. 976.5 masl
Machine Floor Level	EL. 977.8 masl
TAILRACE	
Type	Free Flow Box Culvert
Length	245.2m
Shape	Rectangular
Size	Culvert : 3.2m (B) x 2.55m (H)
Slope	1 in 500
Outlet Level	972.89 masl
TURBINES	
Type of Turbine	Pelton (Vertical Axis)
No. of Units	Three
Capacity	16.85 MW per unit
Unit Discharge	4.183 m ³ /s
Rated Speed	600 rpm
Rated Efficiency	90.00%
GENERATORS	
No. of Units	Three
Type	Synchronous 3 Phase
Rated Power	19.215 MVA
Power Factor	0.85
Rated Speed	600 rpm
Frequency	50 Hz
Voltage	11kV
Efficiency	97%
TRANSFORMER	
No. of Units	3 + 1 spare
Phase	3
Capacity	21.5 MVA
Voltage Level	11kV/132 kV
Type	Outdoor

TRANSMISSION LINE	
Voltage	132kV
Length	approx. 15 km
Connection	Dhungesanghu/Hangpang S/S
POWER AND ENERGY GENERATION	
Gross Head	475.5m
Rated Net Head	464.5m
Installed Capacity	49,000kW
Annual Energy	290.76 GWh

3. Access to the Site and Transportation Route

a. General

The normal public access road from Kathmandu to the project area is shown in table below:

Location	Road	Distance from Kathmandu, km
Kathmandu (Mewa Developer's Office)	Blacktopped	0
Bardibas (via Sindhuli along BP Highway)	Blacktopped	190
Charali Chowk	Blacktopped	445
Ilam 0km	Blacktopped	524
Phidim buspark	Blacktopped	591
Banande (near Taplejung)	Blacktopped	668
Dovan	Gravel	677
Powerhouse site (via Dovan-Sankranti)	Gravel	700 (approximately)

b. Transportation route

The nearest and preferred customs entry point in Nepal for road transportation of heavy equipment are either Biratnagar Customs, Nepal or Birgunj Customs, Nepal or Kakarbhitta Customs, Nepal. Alternatives of tentative transportation route from these customs point to the project site are listed hereunder.

- **Alternative 1**

First alternative for the transportation route is via Birgunj Customs in Nepal to Taplejung: Birgunj – Itahari – Birtamode – Godak – Illam – Amarpur – Taplejung, approximately 610 km.

- **Alternative 2**

Second alternative for the transportation is via Biratnagar Customs in Nepal to Taplejung Biratnagar – Itahari – Birtamode – Godak – Illam – Amarpur – Taplejung, approximately 335 km.

- **Alternative 3**

Third alternative for the transportation is via Kakarbhitta Customs in Nepal to Taplejung: Kakarbhitta – Mechinagar – Charaali – Illam Bazar – Phidim – Kabeli Bazar – Taplejung, approximately 240 km.

- **Alternative 4**

Fourth alternative for the transportation is by Airways to Tribhuvan International Airport in Kathmandu, Nepal and finally to Taplejung by roadways. International flights serve the airport at Kathmandu.

Tribhuvan International Airport – Kathmandu Domestic transfer – Bhadrapur Airport – Budhabare – Godak – Illam – Amarpur – Taplejung, approximately 240 km in roadways.

- **Alternative 5**

Fifth alternative for the transportation is by Airways to Bagdogra Airport in India and finally to Taplejung by roadways.

Bagdogra Airport, India – Mechinagar – Charaali – Illam Bazar – Goduk – Phidim – Kabeli Bazar – Taplejung, approximately

Alternatives 1, 2 and 3 are more feasible approach for transportation of heavy equipments whereas Alternatives 4 and 5 includes airways, so, are much quicker and expensive, feasible for human resource transportation.

If the trans-shipment of heavy equipment is required then, the nearest seaport for such trans-shipment of heavy equipment to Nepal is Kolkata port in India, which has all the facilities of craneage, wharf, warehouse and storage capacity required to handle the loads to be transported to the Project area. From Kolkata Port, the above mentioned two Customs Entry Point can be accessed by the following routes.

Kolkata – Birgunj

Kolkata Port– Bihar – Muzaffarpur – Raxaul, approximately 960 km.

There is also option Indian railways from Kolkata to Raxaul. The transportation by railway is, however, not recommended.

Kolkata - Biratnagar

Kolkata Port – Durgapur – Raniganj – Bhagalpur – Biratnagar, approximately 600 km.

Kolkata – Kakarbhitta

Kolkata Port – Bardhaman – Rajganj – Surjapur – Motihari – Galgalia – Kakarbhitta, approximately 560 km.

4. Contract Lot Splitting

The construction of the Project has been split into the following individual construction lots (contracts) which are being tendered separately:

- Lot 1B – Infrastructure, Site Enabling and Support Works
- Lot 2 – Main Civil Works
- Lot 3 – Hydro-mechanical Works
- Lot 4 – Electro-mechanical Works
- Lot 5 – Transmission Line Works

The construction of access road to the Site has been completed. Its upgradation and maintenance works is going on. The Main Civil Works Contractor has already been mobilized to the Site. The Power Purchase Agreement (PPA) of the Project has also been completed.

5. Scope of Work under Hydromechanical Works (Lot-3) Package

The contract or supply shall include but not limited to, the design, manufacture, quality assurance, testing, finishing and painting, packing for export, insuring, shipping and delivery to the site, storage, erection, site testing and commissioning, preparation of as-built drawings, preparation of inspection/operation and maintenance manuals and documentation of the project execution.

The contract shall also include design and construction of all temporary structures including Contractor's camp, water supply, sewerage, communications etc.

In addition, the Contractor shall provide training to the Employer's personnel as required in the Contractor's Factory premises or at the site, to establish a well-trained operation and Maintenance staff.

If the specifications and/or drawings of these Tender Documents do not contain particulars of materials or works which are obviously necessary for the proper and safe completion, operation and maintenance of the equipment, all such materials and works shall be deemed to be included in the supply.

1)	Under Sluice Gate	Four (4) complete sets of Undersluice Radial Gates with its guide frame, hydraulic hoists and their accessories
2)	Spillway Gate	Four (4) complete sets of Ogee/overflow Spillway Gates with its guide frame, hoists and their accessories
3)	Trash Passage gate	One (1) complete set of Trash Passage Gate at Gravel Trap with its guide frame, hoists and their accessories
4)	Settling Basin Inlet Gate	Three (3) complete sets of Settling basin inlet gates with its guide frame, hoists and their accessories
5)	Gravel Flushing Gate	One (1) complete sets of Gravel Flushing Gate with its guide frame, hoists and their accessories
6)	Settling Basin Outlet Gate	Six (6) complete sets of Settling basin outlet gates with its guide frame, hoists and their accessories
7)	Settling Basin Flushing Gate	Three (3) complete sets of settling basin flushing gates with its guide frame, hoists and their accessories
8)	Diversion Tunnel Inlet Gate	One (1) complete sets of Diversion Tunnel Inlet Gate with its guide frame, hoists and their accessories
9)	Turbine Outlet Gate	Three (3) complete sets of Turbine Outlet Gate with its guide frame, hoists and their accessories
10)	Bulkhead Gates	Two (2) complete sets of Bulkhead gates with its accessories.
11)	Tailrace Stoplog	One (1) complete set of Tailrace Stoplog with its guide frame, hoists and their accessories
12)	Undersluice Stoplog	Three (3) complete sets of under sluice stoplogs with its guide frame, hoists and their accessories
13)	Gravel Flushing Stoplog	One (1) complete sets of Gravel flushing stoplog with its guide frame, hoists and their accessories
14)	Settling Basin Flushing Stoplog	Three (3) complete sets of bypass Settling Basin Flushing stoplog with its guide frame, hoists and their accessories

15)	Intake Trash rack	One (1) sets of trash rack at intake with its embedded parts and accessories
16)	Tunnel Inlet Trash rack	One (1) sets of trash rack at tunnel inlet with its embedded parts, manual racker and accessories
17)	Trash rack Cleaning Machine	One (1) complete set of automatic trash rack cleaning machine with its operation mechanism, embedded parts and accessories.
18)	Steel Penstock Pipe	<p>Steel penstock: One Complete lane of Steel Penstock pipe with bell mouth, bends, stiffener rings, seepage ring, bifurcation/branching/manifold, manhole, steel pad for saddle support, weir plate, HDPE sheet etc. all complete with accessories as specified as per specifications and drawings.</p> <p>Approximate 1100 m long steel penstock pipe having internal diameter ranging from 2.0 m to 1.6 m & 1.15 m after branching including bends and branch pipes. The materials of penstock pipe are IS 2062:2011 E250 B0 and IS 2062:2011 E350 B0 and of bifurcation is IS 2062:2011 E450 B0 or equivalent.</p>
19)	Miscellaneous	Ladder, Railing, Grating, Chequered Plate, Miscellaneous (Approximately) as per specifications and drawings.

The contract shall also include the supply and installation of all electric and control equipment associated with the foregoing work. The gates will be operated and controlled electrically by an operator from the local control cabinet or box and / or manually as specified in the Technical Specification. In order to facilitate operation and control of the hydraulic gates from the remote power house control room, suitable interfacing ports shall be supplied and installed.

All works shall be in accordance with these Specifications, the accompanying drawings and tender schedules. All works incidental to the Contract whether specified in details or not shall be carried out by the Contractor in accordance with the specifications and the conditions of Contract.

D Eligibility Criteria and Key information required

1. Eligibility Criteria

Before evaluating the complete Eol application in detail, documents will be screened to determine the eligibility of the applicant. The Eligibility Criteria are as follows:

- (i) EOI shall be received within the last date and time of submission.
- (ii) Notarized Certificates of incorporation or Registration shall be submitted.
- (iii) Tax clearance certificate of the last fiscal year shall be submitted.
- (iv) The Applicants shall furnish a self-declaration that they have not been currently debarred or black listed by any regulating agencies within and outside Nepal.
- (v) The Applicants shall completely fill out all required forms contained in the Eol Documents.

2. Key Information required from the applicants

S.No.	Information required
I	Years of Experience in Hydromechanical works.
II	Number of Hydromechanical works contract completed as Contractor or Sub-contractor in five years.
III	Contract value of the largest Hydromechanical works contract executed.
IV	Installed capacity of the largest Hydromechanical works contract executed.
V	The maximum Design head of project successfully executed/commissioned.
VI	The maximum length of shaft steel liners/penstock executed in a single Hydromechanical contract.
VII	The maximum diameter of shaft steel liner/ penstock executed in Hydromechanical works in a single contract.
VIII	Experience of successful Design, Manufacture, Supply, Installation, Testing and Commissioning of Radial gate, fixed wheel gate, manifolds works and trashrack.

The Applicant shall submit the relevant credentials justifying the details furnished as mention on the table above.

Note:

- a) *The work experience shall be evidenced by the respective Employer's or Engineer's references with contact and email addresses on the letterhead of Employer's organization and shall be written in English. If the references are in other languages, it shall be accompanied by an accurate translation into the English language duly authenticated by notary agencies or the nationally/internationally recognized translating body/agency (ies).*
- b) *Preference shall be given to the applicants who have successfully completed at least one hydropower project in Nepal.*

3. Financial Capabilities

In the relevant Information Form, the Applicant, shall submit the audited balance sheets or, if not required by the laws of the Applicant's country, other financial statements acceptable to the Employer, for the last five years and must demonstrate financial capabilities in terms of following parameters.

S.No.	Requirement	Year 1	Year 2	Year 3	Year 4	Year 5
I	Average Annual turnover					
II	Working capital					
III	Net worth					

E Information Forms

(Reference Sub-Clause 8 ii of Instructions for submission of Expression of Interest)

1. The following Information Forms are to be filled out by the Applicants for Eol:

Information Form 1 (IF1)	Letter of Application
Information Form 2 (IF2)	General Information
Information Form 3 (IF3)	General Construction Experience Record
Information Form 4 (IF4)	Particular Construction Experience Record
Information Form 5 (IF5)	Summary sheet: Current Contract Commitments/Works in Progress
Information Form 6 (IF6)	Financial Capabilities

2. If necessary, additional sheets may be added to the forms.
3. Some of the forms will require attachments. Such attachments should be marked as follows:
Attachment (i) to Information Form 1, Attachment (ii) to Information Form 1, etc.
4. MDPL request all the Applicants to provide electronic copies (soft copies) of all the information forms and attachments submitted with the Eol Applications for evaluation purpose only.

INFORMATION FORM 1 (IF 1)

PAGE ___ OF ___ PAGES

LETTER OF APPLICATION

Date:
To: Managing Director
Mewa Developers Pvt. Ltd.
Sanepa-2, Lalitpur

1. Being duly authorized to represent and act on behalf of _____ (hereinafter referred to as “the Applicant”), and have reviewed and fully understood all of the Eol requirements and information provided, the undersigned hereby expresses its interest on the contract indicated below:

Contract Identification No.	Contract Name
MDPL-Lot 3- 2077/78-03	Design, Manufacture, Supply, Erection, Testing and Commissioning of Hydromechanical Works of Middle Mewa Hydropower Project

2. Attached to this letter are copies of original documents defining:
- the Applicant's legal status;
 - the principal place of business; and
 - the place of incorporation (for corporations), or place of registration and the nationality of the owners (for Applicants that are partnerships or individually owned firms).
3. Your Agency and its authorized representatives are hereby authorized to conduct any inquiries or investigations to verify the statements, documents, and information submitted in connection with this application, and to seek clarification from our Financing Agencies and Clients regarding any financial and technical aspects. This Letter of Application will also serve as authorization to any individual or authorized representative of any institution referred to in the supporting information to provide such information deemed necessary and as requested by yourselves to verify statements and information provided in this application, such as the resources, experience, and competence of the Applicant.
4. Your Agency and its authorized representative may contact the following persons for further information:

General and managerial inquiries	
Contact 1	Address and communication facilities
Contact 2	Address and communication facilities

Personnel inquiries	
Contact 1	Address and communication facilities
Contact 2	Address and communication facilities

Technical inquiries	
Contact 1	Address and communication facilities
Contact 2	Address and communication facilities

Financial inquiries	
Contact 1	Address and communication facilities
Contact 2	Address and communication facilities

5. This application is made with the full understanding that:
 - a. bids by shortlisted Applicants will be subject to verification of all information submitted for Eol at the time of bidding;
 - b. your Agency reserves the right to:
 - amend the scope and value of any contracts to be bid under this project; in which event, bids will be invited only from those Applicants who meet the resulting amended Eol requirements; and
 - reject or accept any application, cancel the Eol process, or reject all applications.
 - c. your Agency shall not be liable for any such actions under 5 (b) above.
6. The undersigned declare that the statements made and the information provided in the duly completed application are complete, true, and correct in every detail.

Signature	
Name	
For and on behalf of (name of Applicant)	

INFORMATION FORM 2 (IF 2)

PAGE ___ OF ___ PAGES

GENERAL INFORMATION

All individual applying for Eol are required to complete the information in this form. Information on nationality should be provided for all owners or Applicants that are partnerships or individually owned firms. The General information form shall be supplemented by the company profile.

1.	Name of firm	
2.	Head office address	
3.	Telephone	Contact
4.	Fax	Email
5.	Place of incorporation / registration	Year of incorporation/registration

Nationality of owners ¹		
	Name	Nationality
1.		
2.		
3.		
4.		
5.		

1. To be completed by all owners of partnerships or individually owned firms.

 (Place and Date)

 (Authorized Representative)

INFORMATION FORM 3 (IF 3)

PAGE __ OF __ PAGES

GENERAL CONSTRUCTION EXPERIENCE RECORD

Name of Applicant

Using the format of Form 3A, the Applicant shall provide the list of contracts of a similar nature, complexity, and requiring similar technology to the contract for which this Eol has been asked for. The contract value should be based on the payment currencies of the contracts converted into U.S. dollars, at the date of substantial completion. The information is to be summarized, using Form 3B, for each contract completed, by the Applicant. Experience record is to be summarized using Form 3C.

INFORMATION FORM 3A (IF 3A)

PAGE __ OF __ PAGES

GENERAL EXPERIENCE HYDROROMECHANICAL WORKS*

List all Hydromechanical Work Contracts in Hydroelectric Projects completed as a contractor or Sub Contractor:

SEQ. REF. NO. (1)	PROJECT NAME (2)	OWNER NAME (3)	COUNTRY (4)	DESCRIPTION OF WORKS (5)	CONTRACT VALUE (USD MILLION)		CONTRACT PERIOD		SPECIAL SITE CONDITIONS (10)	REF. ATTACHED (11)
					TOTAL (6)	APPLICANT SHARE (7)	START (8)	COMPLETE (9)		

(Place and Date)

(Authorized Representative)

*The following guidelines should be used to fill GENERAL EXPERIENCE. Applicants may reproduce the forms on larger sheets of paper if necessary, to provide space for the requested information

Column 1. Sequence Number

Enter in the first column of sequential reference numbers for each project.

Column 2. Project Name

Enter the commonly used name for the project.

Column 3. Owners Name

Enter the name of the organization or agency for whom the contract was performed.

Column 4. Country

Enter the name of the country in which the equipment was delivered and installed.

Columns 5. Description of Work

Enter a condensed description of the project.

For each project used as a reference in the FORM 3A include as a separate attachment a project data sheet describing the principal features of the project including the information listed below (as applicable).

Project Information:

- Name of project:
- Installed capacity of the project:
- Location: (Province, Country)
- Penstock type and length, diameter, thickness etc.: (surface, embedded, steel lining)
- Nominal net head: (m)
- Gates types and size:
- Stoplogs size:
- Hoist arrangement capacity:

Column 6. Contract Value Total

Enter the total value of the contract in equivalent USD.

Column 7. Contract Value Applicant Share

If the Applicant was a partner in a joint venture, enter the value of the work for which the Applicant was directly responsible. Enter the value in equivalent USD.

Column 8 and 9. Contract Period

Enter the dates of contract award and substantial completion.

Column 10. Special Site Conditions

Enter appropriate codes from the following table, which describe special conditions encountered on the reference project:

- Remote project site with undeveloped infrastructure & communications (A)
- Long supply lines requiring ocean transport, port clearances, long rail and road haulage for all major shipments (B)
- Extensive training and employment of local labor force. (C)

Information concerning special site conditions should be included in the relevant project data sheet (Refer to Column 5 above).

Column 11. Client Reference

Client references should:

- a) be written in English on the letterhead of the client organization. If the references are in other languages, it shall be accompanied by an accurate translation of its relevant passages into the English language duly authenticated by notary agencies or the nationally/internationally recognized translating body/agency (ies).
- b) reference confirming satisfactory completion of Hydropower plant.
- c) include the name, title and signature of the individual providing the reference, and
- d) include the address and telephone number of the client organization.

In the event, the Project Owner and the Client are different parties, include a statement establishing the authority of the Client to provide a reference.

INFORMATION FORM 3B (IF 3B)

PAGE __ OF __ PAGES

DETAILS OF CONTRACTS

Name of Applicant or subcontractor

Use a separate sheet for each contract.

1.	Contract Number	
	Name of contract	
	Country	
2.	Name of Employer	
3.	Employer address	
4.	Contract role (check one) <input type="checkbox"/> contractor <input type="checkbox"/> Sub-Contractor	
5.	Amount of the total contract/ subcontract/ partner share (in specified currencies at completion, or date of award for current contracts) Currency	
6.	Equivalent amount Total contract: USD _____; Subcontract: USD _____; Partner share: USD _____	
7.	Date of award/completion	
8.	The contract was completed _____ months ahead/behind original schedule (if behind, explain).	
9.	Contract was completed USD. _____ equivalent under/over original contract amount (if over, provide explanation).	
10.	Indicate the approximate percentage of the total contract value of work undertaken by subcontract, if any, and the nature of such work.	

 (Place and Date)

 (Authorized Representative)

INFORMATION FORM 3C (IF 3C)

PAGE __ OF __ PAGES

YEARS OF EXPERIENCE

The total number of years of experience of design, manufacture, supply, erection, testing and commissioning of Hydromechanical equipment of the types indicated below.

TYPE OF EQUIPMENT	NUMBER OF YEARS OF EXPERIENCE
(a) Fix Wheel Gates	
(b) Radial Gates	
(c) Trash Racks	
(d) Stoplogs	
(e) Surface type Steel penstocks	
(f) Steel linings for penstock shaft/tunnel	
(g) Steel manifold pipes and Bifurcation	

(Place and Date)

(Representative)

INFORMATION FORM 4 (IF 4)

PAGE __ OF __ PAGES

PARTICULAR CONSTRUCTION EXPERIENCE RECORD

Name of Applicant

Using the format of Form 4A to Form 4D, the Applicant shall provide the list of contracts where he has experience of successful design, manufacture, supply, installation, testing and commissioning of Gates, trash rack, penstock and manifolds.

INFORMATION FORM 4A (IF 4A)

PAGE __ OF __ PAGES

SPECIFIC EXPERIENCE – GATES

List all types of Gates designed, manufactured, supplied, erected, tested and commissioned by the Applicant/Manufacturer:

REF. NO.	PROJECT NAME	IS A REFERENCE ATTACHED? (Yes/No)	DESCRIPTION OF GATE							PERIOD FROM CONTRACT AWARD TO COMPLETION (MONTHS)	CONTRACT VALUE (USD MILLION)	
			TYPES OF GATES	NUMBER OF GATES	SIZE (WxH)	DESIGN PRESSURE AT SILL (M)	HYDRAULIC /Elec. HOIST (Yes/No)	STOP LOGS (Yes/No)	OTHER INFO		TOTAL	APPLICANT SHARE

 (Place and Date)

 (Representative)

INFORMATION FORM 4B (IF 4B)

PAGE __ OF __ PAGES

SPECIFIC EXPERIENCE – TRASHRACKS

List all Trashracks designed, manufactured, supplied, erected, tested and commissioned by the Applicant/Manufacturer:

REF. NO.	PROJECT NAME	IS A REFERENCE ATTACHED? (Yes/No)	DESCRIPTION OF TRASHRACKS							PERIOD FROM CONTRACT AWARD TO COMPLETION (MONTHS)	CONTRACT VALUE (USD MILLION)	
			SIZE (WxH)	NUMBER OF PANELS	SIZE OF PANELS	DESIGN PRESSURE (M)	TRASHRACK RACK CLEANER (Yes/No)	STOP LOGS (Yes/No)	OTHER INFO		TOTAL	APPLICANT SHARE

 (Place and Date)

 (Representative)

INFORMATION FORM 4C (IF 4C)

PAGE __ OF __ PAGES

SPECIFIC EXPERIENCE – STEEL LININGS FOR PENSTOCK SHAFT TUNNEL AND / OR SURFACE/BURIED PENSTOCK

List all Steel penstocks with diameter designed, manufactured, supplied, erected, tested and commissioned by the Applicant for penstock shaft/tunnel:

REF. NO.	PROJECT NAME	IS A REFERENCE ATTACHED (Yes/No)	DESCRIPTION OF STEEL PENSTOCK					PERIOD FROM NOTICE TO PROCEED TO COMPLETION (MONTHS)	CONTRACT VALUE (USD MILLION)	
			NUMBER OF PENSTOCKS (Nos)	INTERNAL DIAMETER OF PENSTOCK (M)	LENGTH OF PENSTOCK (M)	DESIGN PRESSURE AT BOTTOM (M)	OTHER INFO		TOTAL	APPLICANT SHARE

 (Place and Date)

 (Representative)

INFORMATION FORM 4D (IF 4D)

PAGE __ OF __ PAGES

SPECIFIC EXPERIENCE – STEEL MANIFOLDS

List all Steel Manifold designed, manufactured, supplied, erected, tested and commissioned by the Applicant:

REF. NO.	PROJECT NAME	IS A REFERENCE ATTACHED (Yes/No)	DESCRIPTION OF MANIFOLD PIPES					PERIOD FROM NOTICE TO PROCEED TO COMPLETION (MONTHS)	CONTRACT VALUE (USD MILLION)	
			LENGTH OF PIPE (M)	INTERNAL DIAMETER INLET END (M)	NUMBER OF BIFURCATION (Nos)	DESIGN PRESSURE (M)	OTHER INFO		TOTAL	APPLICANT SHARE

 (Place and Date)

 (Representative)

INFORMATION FORM 5 (IF 5)

PAGE __ OF __ PAGES

CURRENT CONTRACT COMMITMENTS / WORKS IN PROGRESS

Name of Applicant

Applicants should provide information on their current commitments on all contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for contracts approaching completion, but for which, full completion certificate has yet to be issued.

Name of contract	Employer, contact address/tel/fax/e-mail	Value of outstanding work (current USD equival.)	Estimated completion date	Average monthly invoicing over the last six months (USD equivalent)
1.				
2.				
3.				
4.				
5.				
etc.				

 (Place and Date)

 (Authorized Representative)

INFORMATION FORM 6 (IF 6)

PAGE __ OF __ PAGES

FINANCIAL CAPABILITIES

Name of Applicant

Applicants shall provide financial information as stated in the Eol Documents. Each Applicant shall complete this form. If necessary, separate sheets shall be used to provide complete banker information. A copy of the audited balance sheets shall be attached.

Autonomous sub-divisions of parent conglomerate businesses shall submit financial information related only to the particular activities of the sub-division.

Banker	Name of Banker		
	Address of Banker		
	Telephone	Contact name and title	
	Fax	Email	

Summarize actual assets and liabilities in USD equivalent (at the rates of exchange current at the end of each year) for the previous five calendar years.

Financial information (USD)	Actual: Previous five years				
	5	4	3	2	1
1.Total assets					
2.Current assets					
3.Total liabilities					
4.Current liabilities					
5.Profit before taxes					
6.Profits after taxes					

 (Place and Date)

 (Authorized Representative)

Lot 3: Hydromechanical Works

Specify proposed sources of financing, such as liquid assets, unencumbered real assets, lines of credit, and other financial means, net of current commitments, available to meet the total construction cash flow demands of the subject contract or contracts.

Source of financing	Amount USD
1.	
2.	
3.	
4.	

Attach audited financial statements—including, as a minimum, profit and loss account, balance sheet, and explanatory notes—for the period stated above (for the individual Applicant).

If audits are not required by the laws of Applicant's countries of origin, partnerships and firms owned by individuals may submit their balance sheets certified by a registered accountant, and supported by copies of tax returns.

(Place and Date)

(Authorized Representative)