

INLAND WATERWAYS AUTHORITY OF INDIA
(Ministry of Shipping, Govt of India)
A-13, Sector-1, Noida,
Distt-Gautam Budh Nagar, Uttar Pradesh- 201301

EXPRESSION OF INTEREST

Name of Work : Selection of Project Management Consultant
(PMC) for development of National
Waterway-4 & 5 projects

1. Cost of Project for which consultancy
Service required : ₹ 251 crore (NW-4) &
₹ 2230 cr for NW-5.
3. Experience: Consultants having experience in works related to similar
works (similar works means PMC taken for waterway development/ port
development/ jetty constructions including dredging works or logistic
projects, in that order) are eligible for short listing
4. Pre-bid meeting : 1500 hrs on 28.12.2010
5. Last Date of Submission of EOI : 1500 hrs on 20.01.2011
6. Interested contractors may submit their EOI documents to Chief
Engineer, IWAI, A-13, Sector-1, Noida, U.P-201 301 before due date.
7. Detailed EOI notice is available in IWAI website www.iwai.nic.in

Chief Engineer

INLAND WATERWAYS AUTHORITY OF INDIA

National Waterway-4 & 5 Projects - Expression of Interest for short listing of firms for selection of Project Management Consultant (PMC) to take up development works in Public-Private-Participation (PPP) mode

Inland Waterways Authority of India (IWAI) invites Expression of Interest (EOI) from experienced consultants having proven caliber, capacity and experience in the realm of Projects related to dredging, jetty/ terminal with allied infrastructure facilities, modification of bridges & navigational locks/aqueducts and other cross drainage works, aids to navigation and other infrastructure, their operation and maintenance etc for selected stretches of National Waterways -4 & 5 (NW-4 & 5) Projects under PPP mode.

2. Projects: Government of India has declared Kakinada-Puducherry stretch of canals along with River Godavari and Krishna as NW-4 and East Coast Canal along with River Brahmani and Mahanadi detla rivers as NW-5 w.e.f 25th November, 2008. The responsibility of development, regulation and management of these waterways now rests with IWAI.

2.1 The stretch-wise break up of the NW-4 is given below:-

River Godavari (Bhadrachalam to Rajahmundry)	-	157 km
River Krishna (Wazirabad to Vijayawada)	-	171 km
Kakinada Canal (Kakinada to Rajahmundry)	-	50 km
Eluru Canal (Rajahmundry to Vijayawada)	-	139 km
Commamur Canal (Vijayawada to Pedaganjam)	-	113 km
North Buckingham Canal (Pedaganjm to Chennai)	-	315 km
South Buckingham Canal (Chennai to Merkanam)	-	110 km
Kaluvelly Tank (Markanam to Puducherry)	-	<u>22 km</u>
Total	-	1077 km

Of this, 888 km length of waterway falls in Andhra Pradesh, 187 km in Tamil Nadu and 2 km in Union Territory of Puducherry.

In 50 km stretch of Buckingham Canal in Chennai area (Ennore to Muthukadu) there is no proposal for development of waterway due to the stretch being heavily encroached by MRTS and being urban area. Thus the effective length of waterway development is only 1027 km.

2.2 The stretch-wise break up of NW-5 is given below:

Rivers Brahmani- Kharsua- Dhamra (Talcher- Dhamra)	- 265 km
Matai river (Charbatia- Dhamra)	- 39 km
Mahanadi delta rivers (Mangalgadi- Paradeep)	- 67 km
East Coast Canal (Geonkhali- Charbatia)	- <u>217 km</u>
Total	- 588 km

Of this 91 km of waterway is in West Bengal and the rest is in Orissa.

2.3. Considering limitation in availability of funds during 11th Plan it has been decided to explore the possibility of development of more viable stretch of the waterways under PPP mode with Viability Gap Funding (VGF) by the Govt of India, if so required. Further, based on the interaction with possible stake holders in development of these waterways it has been decided by the Ministry of Shipping, Govt of India to explore the possibility to develop the following stretches of waterways under Public-Private-Partnership (PPP) route, at the first instance.

Project-1 (NW-4- Godavari river, Kakinda canal and Godavari Eluru canal)

River Godavari (Bhadrachalam- Rajahmundry)	- 157 km
Kakinada Canal (Kakinada-Rajahmundry)	- 50 km
Godavari Eluru Canal (Rajahmundry- Eluru)	- <u>88 km</u>
Total	- 295 km

Project- 2 (NW-5- Brhamani-Kharsua-Dhamra- Matai river system and Mahanadi delta rivers)

River Brahmani- Kharsua- Dhamra river (Talcher- Dhamra)- 265 km

Matai river (Charbatia- Dhamra)	-	39 km
Mahanadi delta rivers (Mangalgadi- Paradeep)	-	<u>67 km</u>
Total	-	371 km

3. Project Components: The various components of these Projects are:

Project-1

a) Development of the navigable channel (of the following dimension) along with land acquisition for widening the narrow canals and provision of aids to navigation:

i) River Godavari

Bottom width	-	32 m
Depth	-	1.8 m
Side slope	-	1:5

This waterway stretch will facilitate movement of 350 tonnes vessel of 45 m length x 9 m breadth x 1.5 m loaded draft.

ii) Kakinada Canal & Godavari Eluru Canal

Bottom width	-	14 m
Depth	-	1.6 m
Side slope	-	1:3

This waterway stretch will facilitate movement of 100 tonnes vessel of 32 m length x 5 m breadth x 1.2 m loaded draft.

b) Construction of Inland Water Transport (IWT) Terminals and related infrastructure facilities (including land acquisition) at 3 locations namely Kakinada, Rajahmundry and Eluru

Project-2

a) Development of the navigable channel (of the following dimension) along with land acquisition for widening the narrow stretches and provision of aids to navigation:

Brahmani-Kharsua-Dhamra river system, Matai river and Mahanadi delta rivers

Bottom width	-	45 m
Depth	-	2 m
Side slope	-	1:5

This waterway stretch will facilitate movement of 500 tonnes vessel of 50 m length x 11 m breadth x 1.8 m loaded draft.

b) Construction of Inland Water Transport (IWT) Terminals and related infrastructure facilities (including land acquisition) at 4 locations namely Talcher, Jenapur, Dhamra & Paradeep (port facilities).

4. **Quantum of works & Cost:** DPRs have been prepared by the consultant namely M/s WAPCOS (I) Ltd, New Delhi for both the waterways. The quantum of works estimated in the DPR is as under:

Project-1:

a) Estimated Quantity:

<u>Item-</u>	<u>Quantity</u>
i) Land Acquisition-	517 Ha
ii) Dredging-	19.12 lakh cu.m
iii) Bank Protection-	0.50 lakh cum
iv) Modification of structures-	496 pipe sluices+ 7 locks + 2 bridges

v) Navigational Aids-	125 FRP Buoys + 125 countryboats + 22 shore beacons + 273 lighted marks
vi) Buoy Laying Vessel-	One

b) <u>Estimated Cost:</u>	<u>(₹ in Cr.)</u>
i) Land acquisition-	118
ii) Dredging-	39
iii) Removal of pipe sluices-	6
iv) Modification of Locks-	8
v) Modification of Bridges-	12
vi) Navigational aids-	10
vii) Protection measures-	3
viii) Terminals -	48
ix) Facilities to local people for ferry Service etc.-	7
Total -	<hr/> 251

Project-2:

a) Estimated Works:

<u>Item</u>	<u>Quantity</u>
i) Land acquisition-	23 Ha
ii) Dredging-	10 Million cu.m
iii) Barrages -	5
iv) Bank Protection-	0.76 Million cum
v) Navigational Locks-	5 (with barrages) + 2
vi) Navigational Aids-	190 Buoys + 55 beacons
vii) Buoy Laying vessel -	One

b) <u>Estimated Cost</u>		(₹ in cr.)
i)	Land acquisition-	2
ii)	Dredging-	185
iii)	Barrages with locks -	1598
iv)	Raising banks-	245
v)	Protection measures-	39
vi)	Fenders -	1
vii)	Terminals -	72
viii)	Navigational Aids-	11
ix)	Navigational Locks-	45
x)	Bridges-	14
xi)	For EMP implementation-	6
xii)	For local public amenities-	12
Total -		2230

* at 2010 prices.

The duration of completion of the project shall be Five Years, each. Thereafter, the selected concessionaire/ contractor has to maintain the project for a further period of 10 years.

Executive summary of the DPRs can be downloaded from our website www.iwai.nic.in. Other volumes of the DPRs can also be obtained from IWAI by the prospective bidders on payment basis.

5. Scope of assignment for the consultant: The selected consultant has to act as the representative of IWAI in monitoring the execution of project

under PPP route. The consultant inter-alia has to prepare the PPP documents for selection of concessionaire/ contractors, check the adequacy of design of each component of works, do bid process management on behalf of IWAI, monitor and ensure quality of the work done by the contractors till the waterways stretches of Project -1 & 2 become fully functional/ operational. The waterways have to be developed for providing 24 hour navigation for at least 330 days in a year with necessary infrastructure facilities

6. Interested firm(s) should submit the EOI with the following information /documents:

- (i) Full profile of the organization with details such as composition/ ownership/shareholding pattern, management structure, details of top management(Board members), key officials
- (ii) General organizational capability and resources
- (iii) Tables showing organizational strength including manpower, other resources etc.
- (iv) List of the company's customers during the past 5 years
- (v) Proof/List of similar works (copy of work order in case of work in progress and completion certificates in case of completed works) at hand and the works carried out during the last 5 years.
- (vi) Proof of financial strength for the last three years. Attach Annual reports and audited financial statements for the last three years.
- (vii) Any other proof/document considered relevant in the context of the proposed assignment.
- (viii) A detailed write up giving firms understanding of the project and suggested methodology to fulfill the objectives of IWAI for executing project

If EOI is by a consortium of firms, lead partner/firm should be specified and requisite information/documents as above should be given in respect of each consortium partner. Nature of association among partners should also detailed out. Acceptable evidence of formation of the consortium should be furnished.

7. Short listing criteria: The firms will be short listed on their technical capabilities, financial strength and experience of similar works (similar works means PMC taken for waterway development/ port development/ jetty constructions including dredging works or logistics project, in that order) Tender documents for selection of consultants will be issued by IWAI in due course of time to short listed firms.

9. A pre-bid meeting will be held at 1500 hrs on 28.12.2010 at IWAI, H.O, Noida

10. Expression of Interest (EOI) together with requisite documents shall be submitted in sealed envelope superscribed “ Expression of Interest for selection of PMC for NW-4 & NW-5 projects” to the Chief Engineer, Inland Waterways Authority of India, A-13, Sector-1, Noida, U.P- 201301 upto 1500 hours on 20.01.2011. The Same will be opened at 1530 hrs on the same day.

11. Special instructions: The IWAI reserves the right to reject any or all of the EOI at any stage without assigning any reason whatsoever and without incurring any liability to the affected applicant(s).
