

32/1/2019-DSRD/Cons/DRIP Phase II and III/
Central Water Commission
Central Project Management Unit
Dam Rehabilitation and Improvement Project
Phase II and Phase III

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S.No	Code	Content	Comments	Reply of CWC
1.	6	Consultant shall have the experience of engineering and management consultancy in the following six categories or combination of two or more categories.	-	-
2.	A	The first category(A): It includes the works related to hydrological safety assessment of a given dams along with various structural and non structural rehabilitation measures to safely address the safety concerns of dams due to increase in design flood. The structural measures include construction of additional spillway, expansion of existing spillway, raising of height, fuse plug etc. Non-structural measures include preparation/modification of rule curves, emergency action plans, early flood warning system etc.	The specific core international/national company has specific expertise in a particular category of specialization. Their expertise can't be used in lead company or consortium experience is required. Thus provision of associate may be inserted.	Not agreed. The REOI conditions will prevail. The Standard Procurement Document of World Bank is being followed which does not have any provision of association in place of JV.
3.	B	The second category (B): It includes the various kind of dam rehabilitation measures to minimize the seepage through the dams including raking and pointing of upstream face, grouting, guniting and shotcreting, treatment of dam contraction joints for damaged seals application of geo-membrane etc.	The experience mainly relates to field but no field functionaries will be involved in engineering management consultancy due to restriction of employment.	Not agreed with the statement. This experience is related to one of the most important and most common rehabilitation activity for majority of dams. The whole consultancy services are related to field functionaries as about 86% of total financial layout is for activities under Component I of new Scheme, which all are ground level activities. It is advised to read Terms of Reference, which is very elaborate and would help in understanding Project requirements, as well as objectives of the Consultancy assignment.
4.	C	The third category (C): It includes the assessment of structural adequacy of existing dams along with rehabilitation measures to ensure the structural stability which may include the re-sectioning of earthen dam, concrete backing of downstream face of masonry dam, and retro-fitting of concrete dams, seismic safety review, potential failure modes analysis for risk assessment etc.	Specific job, specific company all such experience in one company restricts the competitive edge of the bid.	The Short listing Criteria under Section II is very comprehensive and transparent which provides equal opportunities to all bidders. All six Categories given for technical qualifications covers complete area of dam engineering and dam rehabilitation. Also, given six categories do not restrict for experience to be in a particular area. Experience may be in any of these categories.

				It is the experience of CWC that any firm which has completed any one similar Dam Rehabilitation Project, would have experience of working in minimum four(4) to five(5) these cited categories specified in Section I of REOI.
5.	D	The fourth category (D): It includes the assessment of operational safety through repair, strengthening or replacement of existing spillway/under sluice gates, hoisting system, automation, SCADA and control system, repair or further strengthening of existing energy dissipation arrangements, as well as repair of the spillway glacis etc.	SCADA is specific item & mainly IT enabled & same as gate & hoisting specific sectoral association is very much essential.	This is correct. The major operational safety aspect is related to management and operation of spillway gates as well as other ancillaries activities. SCADA is a very specific item but this is integrated with automation of gates etc. The working experience under this category would be considered in major governing activity, not only SCADA.
6.	E	The fifth category (E): It includes the consultancy for detailed engineering stage for construction of a large new dam, construction supervision and quality assurance activities etc.	Specific sector JV or sub consultancy/ Associate partner provision is requested.	Not agreed. The REOI conditions will prevail.
7.	F	The sixth category (F): It includes the services for procurement of civil works, goods, and services; institutional development and development of training programmes for capacity-building related to various activities of dam rehabilitation aspects.	Institutional development & training program is another area of specific expertise. It requires institutional capability & core faculty hence consulting firm has to hire specific sectoral consultant.	In general any dam rehabilitation consultancy or detailed engineering consultancy include majority of these activities. The inclusion of title of all these activities have been done with an objective to ensure complete transparency.
8.	iii	The average annual turnover of the consultancy firm shall not be less than Rs. 300 Cr or US\$ 43 M for consultancy services during last 5years. For arriving at updated value, turnover shall be updated to the present year by a factor of 5% per year.	To overcome the qualification criteria specified in section-I lead partner may be allowed to have JV/association with specific area of expertise. It may be state specific or need specific.	This DRIP Phase II and Phase III is a national project, state specific/activioty specific may not be possible to achieve intended objectives of Scheme as well as this consultancy.
9.	iv	In case of JV, each partner shall meet the 40% requirement of criteria given at para.(iii) above, and lead partner shall meet the 60% requirement of criteria given as para(ii). In the JV, maximum three partners are allowed	The condition of turnover of third JV partner may be relaxed, If Lead Partner fulfills the 100% turnover requirement.	Not agreed. The REOI conditions will prevail. Cumulative qualification does not guarantee the competency of all JV partners.
10.	v	In case, a wholly owned subsidiary of a Group Company partners with wholly owned any entity of a Group Company shall be considered as single entity provided each subsidiary participating in the bid shall have average annual turnover for last 5years not be less than Rs.300 Cr or US\$ 43 M	If lead partner alone has US\$ 43m turnover than JV partner turn over may be relaxed. Incase lead partner proposes JV with one or two more companies than JV associate should not have turn over requirement of more than 20 Cr. Or aggregate value of 40 Cr. If lead partner do not have specific turnover requirement than	Cumulative qualification does not guarantee the competency of all JV partners. However suggestion has been noted. CWC would review and take appropriate action in this regard based on the outcome of deliberation held on June 29, 2020 during Pre-REOI meeting and representation of similar issues from prospect bidders.

			condition of sum aggregate 140% or US\$ 56 Million may be left at the discretion of lead partner with a minimum turnover of 70% of SUM \$ 43M will be of lead partner. This will attract a sound lead partner & he will have leverage to select JV or The minimum limit of JV partner turnover may be kept 20 cr.	
11.	viii	The Consultant firm shall have team of core engineering experts i.e Dam Design Expert, Construction Supervision and Quality Assurance Expert, Hydrologist, Institutional Expert, Hydro-Mechanical Expert, Procurement Expert who shall be on permanent employment of firm for a minimum of last three years. The consultant firm shall furnish the explicit details for last three years of their in house team of professionals as a proof for permanent nature of employment. In case of JV, each partner shall have a minimum of three experts, but cumulative shall meet all the requirement during last three years	No international or national firm has so many core experts on roll. Instead it is suggested to engage core expert with min agreement of 10 years with penalty clause, if leave before what so ever may be the penalty clause condition may be inserted.	It is he perceived statement, hence does not bear any significance. Not agreed. The REOI conditions will prevail. Around fifteen number of experts working in various core expert areas may be required in this Scheme. The proposed minimum number of experts for single bidder, lead partner as well as other JV partners are very minimal to ensure that all partner agencies/agency has requisite experience in the dam rehabilitation area. The Standard Procurement Document of World Bank is to be followed in case of any procurements under the Project. There is no such clause in the SPD. Even such information will be disclosed during RFP stage.
Institutional & Implementation Arrangement		The State Dam Safety Organizations (SDSO) will have responsibility for the implementation of the project in the respective participating States. SDSO will be assisted by Water Resources Departments, other operators of dams, and state design organizations for design services and day-to-day construction supervision. Consulting services may also be engaged by the States to assist the SDSOs, as needed, in areas which are to be executed by the state implementing agencies and for which specialized skilled staff may not be available within state departments. Such services (to be provided by individual consultants; Dam Safety Review Panels; Expert Teams; IITs, Engineering University, Colleges, other institutions; or consulting firms) will have clearly defined deliverables without any substantial overlap with the scope and services of the works of Engineering and Management Consulting firm engaged by CPMU	SDSOs are not fully equipped nor it will materialize hence SDSO core expertise deployment should also be entrusted to consultancy firm or consortium. This will have uniformity as well as speedy implementation.	It is a perceived statement. CWC has the experience of implementation of ongoing DRIP in six States, so far our experience is just opposite. These arrangements have worked very well in the ongoing DRIP. The dam safety institutional strengthening is one of the main activities in the new Scheme, the objective is to further strengthen all SDSOs through this Scheme, not to further weaken them.

<p>Organization of the Consultant's Team</p>	<p>Based on realistic assessment of DRIP related works in CWC and participating States, Consultant's team shall have a combination of International as well as national experts alongwith supporting staff in order to provide required services. The international experts include (1) Team Leader(2) Dam Safety Expert(3) Dam Design Expert(4) Hydrologist(5) Dam Instrumentation and Monitoring Expert, (6)Construction Management and Quality Assurance(7) Dam Break Analysis and Emergency Planning Expert(8) Hydro-mechanical expert(9) Institutional expert, (10)Dam Operation and Maintenance Expert(11) and other experts under miscellaneous category i.e. seismic, de-siltation(12) architectural and planning expert etc. The national expert will include (1)Deputy Team Leader(2) Dam Safety Expert, (3)Dam Design Expert, (4)Hydrologist, (5)Construction Management and Quality Assurance Expert(6) Dam Break Analysis and Emergency Planning Expert(7) Hydro-mechanical expert(8) Dam Operation and Maintenance Expert(9) procurement specialist(10) Financial Management expert(11) software development/MIS expert etc.</p> <p>In addition to above experts, Consultant shall have a team of local staff which include (1)design engineer(2) Software Developer(3) GIS expert(4) AutoCAD expert(5) Office Manager(6) Account officer(7) Site Construction Engineer etc. The exact details of about the qualification and experience of these experts and staff would be available in Request For Proposal document which would be issued at the RFP Stage.</p>	<p>An agreement based mechanism is suggested in place of core staffing pattern. This will encourage best talent, the firms shall name their respecting expert as an employee at the time DFFP & agreement executed with them to serve specified period otherwise replacement should cost penalty to the lead partner up to the tune of 25%.</p>	<p>Not agreed. The REOI conditions will prevail.</p> <p>There is no scope of experimentation, CWC has the real experience of implementation of ongoing DRIP, and achieved the desired outcome through such proposed system. Any deviation may invite further implication.</p>
	<p>Main Activities of Consultancy services would be spread over a period of about 10 years. Management support to CPMU would continue for the full period of Consultancy involving guidance to SPMUs, preparation of MIS reports, project completion report, and report for development of future strategy etc. Major implementation support activities for the hydrological analysis and design reviews of identified dams are expected to be over in the first three years of the project.The activities concerning third party supervision and quality control of rehabilitation and improvement works on behalf of CWC would be required throughout project duration. The support of Consultancy services for the dam safety institutional strengthening would continue throughout the ten year period; and during last year, implementation of change management strategy with reference to</p>	<p>10 years is a very long period. Hence the lead firm or consortium shall face difficulty in retaining core expertise, a backup provision is also required to be inserted in REOI.</p>	<p>The provision in the Contract Agreement would be very comprehensive and workable keeping all these facts into account. All such details would be available in the RFP document.</p>

	withdrawal program along project Implementation Completion Report would become the key activity.		
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