

Expression of Interest for Empanelment of Survey agencies /firms to work in UJVN Limited

Prequalification Criteria

- 1 Firm should have its registered office in India.
- 2 Firm should have registration in E.P.F.
- 3 Firm should have registration in service tax.
- 4 Firm should have Income Tax PAN No.
- 5 Average financial turnover during last 5 years not less than Rs 30 lacs duly certified by Chartered accountant.
- 6 Monetary value of minimum 3 works performed of similar nature i.e. during last five years should not be less than Rs 5 lacs. (**FORMAT A-1**)

7 **Work Experience**

Firm should have carried out survey works mainly in LARGE HYDRO ELECTRICAL PROJECTS (Minimum three projects not less than 50 MW)

Firm should have minimum 7 years experience in carrying out Topographical survey work in LARGE HYDRO ELECTRICAL PROJECTS.(**FORMAT A-2**)

Firm should have completion certificates from Engineer in charge for successfully carrying out works of at least three nos. LARGE HYDRO ELECTRICAL PROJECTS under Government organization/PSUs.

In case of works carried out for private organization for LARGE HYDRO ELECTRICAL PROJECTS, the completion certificates shall have to be supported with payment vouchers/ ITR and Chartered Accountants Certificates.

- 8 Firm should have latest modern Survey equipments in its name viz.(Documentary proof required) (**FORMAT A-3**)
 - a. DGPS dual frequency minimum one set.
 - b. Total station of least count 2 seconds with two nos. tripod
 - c. Digital levels
 - d. Auto levels
 - e. Auto plotter/ Scanner (AO size)/ Software's/ Computers
- 9 Firm should have minimum 5 experts/ trained-man power who are associated with the firm from past 2 years, in Topographical surveying/Data processing and providing maps in Auto Cad format.(CV's with qualifications and relevant experience to be attached)
- 10 UJVN Limited may inspect the office for assessment of the criteria.
- 11 Empanelment fee of Rs 1135.00(Rs. 1000+13.5% VAT=1135) in the form of demand draft issued from any Nationalized / Scheduled Bank in India drawn in favour of **"DGM (Civil), Vyasi Project, UJVN Limited, Dakpathar (Dehradun) payable at Dakpathar"**. This fee is non-refundable. The fee valid for three years. Qualifying updated credentials shall have to submit by firms every year of before empanelment.



UJVNL Limited

H.O.: "UJJWAL", Maharani Bagh, GMS Road, Dehradun-248006
(Telephones: 0135-2763508, 2763808 & Fax- 0135- 2763507
CIN No U4101UR2001SGC025866

Request for Expression of Interest: (Survey Works)

Notice No.: 01 /UJVNL/DGM/LMPP/Survey/2014-15 Dated:17/03/2015

UJVNL Limited invites "Expression of Interest" from registered Survey firms having minimum seven years working experience for carrying out survey works in Large hydro projects not less than 50 MW for "Carrying out topographical survey and other survey associated works related to Lakhwar Vyasi Project" in the state of Uttarakhand.

PQ criteria, Different activities involved and information/documentary evidence as per PQ criteria can be downloaded from Nigam website along with the notice. Interested Survey firms may submit there "Expression of Interest" along with required information/documents.

Submission of "Expression of Interest" shall start from 1000 Hrs on 20.03.2015 to Dy. G.M.(Civil), Lakhwar, UJVNL Limited, Lakhwar Bhawan, Dakpathar, Dehradun. Tel: 01360-222839, Email: sujeetujvnl@gmail.com
Empanelment fee: Rs 1135.00 only

Interested Survey firms may obtain further information at the above address during office hours (10:00 A.M. to 5:00 P.M.) on any working day.

Bidders are advised to regularly visit UJVNL website www.uttarakhandjalvidyut.com.

Dy.General Manager (Civil)
Vyasi/Lakhwar MPP UJVNL,Dakpathar

"AVOID WASTEFUL USE OF ELECTRICITY"



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Tentative details of survey work to be carried out in Lakhwar Multipurpose Project

Topographical Surveys for run of river scheme (Dam based)

Sl.No.	Features	Survey requirements	Standards of survey accuracy
	Planimetric & height control.	Precise planimetric and height control in the project area and connecting the same with national control net work by Survey of India as specified under:- a) Precise Planimetric control net work by DGPS Trilateration from 5Km. upstream of dam axis to 2Km. downstream of the dam axis b) Densification of control net work with closed traverse with total station in the project area based on the main control net work the project. c) Transferring of bench mark from existing Survey of India bench mark to the project area by precise order height control net work of closed leveling by auto level/Sprit level or digital auto level. d) Construction of Survey pillars and bench marks at different structures of the project.	Second order class-II of Trilateration with:- positional accuracy : 1:20,000 Tri angle closure : 2"(Average) And 5" seldom to exceed Geometric configuration : Minimum angle contained within, not less than 20° Astro azimuth closer not to exceed 12" Side length of triangles 4Km.-10Km. Check between forward and backward running between fixed elevation or loop closer not to exceed 8mm√Km. C:C 1:2:4 (size 1m. x 1m. x1m)With center punch mark on mettlet plate grouted and providing co-ordinates to all such pillars with connections to main survey control net work.
2.	Planimetric Survey	Topographical survey of the main stream showing all the features and sub features of the river bed and covering 50m above FRL i.e.796 both side of river bank or as directed by Engineer-in-Charge.	On scale 1:5000 with contour interval 5m.
3.	L-section along the stream	Longitudinal section of the stream along the center line as directed by Engineer-in-Charge.	On scale 1:5000 horizontal and 1:500 vertical.
4.	General layout survey	Topographical survey of the project on scale 1:5000 with contour interval 1m. covering all the components of the project extending from 500m upstream and 500m downstream of proposed dam axis on both of banks of river upto 50m above the proposed FRL.	

5.	Reservoir Area.	Topographical survey of Reservoir area on scale of 1:2000 with contour interval 5m covering an area on both banks of river up to 50 m above the proposed FRL up to the tip of reservoir.	
6.	X-Sections	X-sections of the reservoir area from river bed level to 50m above the proposed FRL covering both banks of the river on spacing 100m (or as directed by Engineer-In-Charge) from the centerline of the proposed dam axis up to the tip of the reservoir. On scale 1:2000 horizontal and 1:200 vertical on spacing 10m	
7.	Dam	Topographical survey of Diversion structure from 500 upstream to 500m Downstream on scale 1:500 with contour interval 1m covering from river bed level to 50m above the proposed top level of the diversion structure.	
8.	X-Sections.	X- sections on spacing 10m interval from proposed center line of the diversion structure up to 500m Upstream and 500m Downstream covering both banks of the river from river bed level to 50m above from proposed top level of the diversion structure. On scale 1:500 horizontal and 1:50m vertical on spacing 10m.	
9.	Access Adits and Tunnel portals	Topographical survey of Access Adits and Tunnel portals (100m surrounding from proposed location in all side) on scale 1:200 with contour interval 1m.	
10.	Setting out. surveys	Survey and setting out works of different structures of Project components as per details of design on ground /Under ground(Tunnels and Cavern). Plotting of L-sections, X sections precisely and calculations of quantities.	