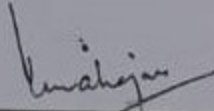


**DIRECTORATE OF ENERGY  
GOVERNMENT OF HIMACHAL PRADESH  
SHANTI BHAWAN, PHASE-III, SECTOR-VI, NEW SHIMLA-171009(HP)**

**OFFICE ORDER**

Directorate of Energy(DOE), Government of Himachal Pradesh, is pleased to accord Techno Economic Clearance(TEC) to Jiwa II SHP(1.75 MW) on Jiwa nallah a tributary of Sainj river in Beas basin, Distt. Kullu Himachal Pradesh, allotted to "M/S Behl Motors, Plot No-6&7, Industrial Area, Phase-III, Souli Khad, Distt Mandi, Mandi (HP)", at an estimated cost of Rs 1345.60 lac (Rupees one thousand three hundred forty five lac sixty thousand) only including Interest During Construction(IDC), Escalation, Financial Charges(FC) and LADC @ 1.00% of total project cost with the following stipulations:

- i) The completion cost shall not exceed the above cost except on account of the following:
    - a) Interest During Construction(IDC) and Financial Charges(FC) shall be as per actuals but not exceeding the amount as indicated at Annex-I, unless revised by DOE, GoHP while according concurrence under Section-8 of Indian Electricity Act 2003 after review of the financial package.
    - b) Change in rates of Indian taxes and duties such as Excise Duty, Sales Tax/VAT, Custom Duty and levy of any other taxes/duties subsequent to issue of Techno Economic Clearance.
    - c) Change in Indian law resulting in change in the cost.
  - ii) The abstract of the Estimated Cost approved by DOE, GoHP is furnished at Annex-I and the Salient Features of the scheme are at Annex-III.
2. The Techno-Economic Clearance(TEC) is subject to the fulfillment of the following conditions:
- i) Completed cost/Techno-Economic Clearance (TEC) shall not be re-opened due to the following:
    - a) Non acquisition of land.
    - b) Non- finalization of Power Purchase Agreement (PPA)
    - c) Delay in financial closure.
  - ii) The final financial arrangement shall not be inferior to the financing arrangement projected in the Detailed Project Report (DPR) for TEC.
  - iii) The cost of the project cleared by the DOE, GoHP is indicative and shall have no binding on the regulator while fixing the tariff. The tariff of the project shall be regulated by the appropriate Electricity Regulatory Commission.
  - iv) The public issue expenses, if any, shall be reconsidered at the time of approval of completion cost based on documentary proof and in accordance with Security Exchange Board of India (SEBI) guidelines regarding regulation of public issue expenses.
  - v) Fulfillment of conditions stipulated in Central Electricity Authority (CEA)/Central Water Commission(CWC) guidelines in respect of civil works at the stage of detailed designs/execution.
  - vi) Any increase in the cost estimate due to design modifications and geological surprises would be absorbed by the Independent Power Producer (IPP) i.e. "M/S Behl Motors, Distt Mandi, Mandi (HP)".
  - vii) No additional cost shall be allowed due to Resettlement & Rehabilitation (R & R) Plan.
  - viii) Normal operation life of the hydro power plant shall be as per provisions of CWC/CEA guidelines or CERC/HPERC regulations.
  - ix) The statutory and administrative clearances as per Annex-II shall be obtained before execution/ implementation of the project.
  - ix) The interconnection point with the State grid and interconnection facilities at the interconnection point shall be provided, operated and maintained at the cost of the IPP.



- x) The cost of providing and/or strengthening/additions etc. of the system at and beyond the Interconnecting Sub-station which may also include the cost of replacement of switchgear/ protection and provision of shunt capacitors, strengthening of bus bars, apart from other works required at injection voltage level and other one or more successively higher voltages, civil works relocation of existing bays etc. shall be recovered by HPSEBL, as per the regulations of HPERC read with the clarifications/decisions by HPERC and/or any other competent authority as may be finally applicable. The share of IPP on this account shall be paid by the IPP to HPSEBL as per the final decision of the competent authority.
- xi) Whereas the HPSEBL shall endeavor to provide the evacuation system at the earliest, the scheduled date for providing evacuation arrangements shall be spelt out in the PPAs on case to case basis inter-alia, keeping in view the time lines indicated in the relevant plan and approved by HPERC.
- xii) The powerhouse generating equipment as well as other electrical equipment to be provided by the developer shall be compatible for parallel operation with the State grid after interfacing. The IPP shall be responsible for any loss of generation on this account.
- xiii) O&M charges for maintenance of inter connection facilities at the interconnection sub-station shall be paid by the IPP to HPSEBL throughout the period, the IPP runs the project and the same shall be reviewed at the beginning of every financial year.
- xiv) For evacuation of power the IPP shall interface this project with 33kV sub-station at Sainj by constructing 33 KV S/C transmission line on double circuit structures with 0.15 sq. in. "WOLF" conductor from power house to Sainj sub station.
- xv) The project line shall be provided, operated and maintained by the IPP at his cost as per normal conditions after obtaining approval of HP Govt. under Section 68(1) of Electricity Act, 2003.
- xvi) The above mentioned evacuation arrangements shall be subject to the HPERC approval of "Comprehensive area wise plan for augmenting and establishing of transmission/sub-transmission system for evacuation of power from small HEPs" which has already been submitted to HPERC. The Transmission/Distribution Licensee may however also evolve alternate system(s) depending on the site conditions and subsequent developments with the approval of HPERC.
- xvii) The IPP shall develop operate and maintain the Project including the dedicated transmission system subject to compliance with the following:
  - a) Grid code and standards of grid connectivity.
  - b) Technical as well as Mechanical standards for construction of Electrical lines.
  - c) Norms of System Operation of the concerned State Load Dispatch Center (SLDC) or Regional Load Dispatch Center (RLDC).
  - d) Directions of the concerned SLDC or RLDC regarding operation of dedicated transmission line.
  - e) The IPP shall only be allowed to inject power in HP system with the undertaking that necessary action to provide tele-metering to SLDC shall be provided by them and specifications required to be got approved from the office of SE(SLDC), HP Load Despatch Society, Totu, Shimla from compatibility point of view with existing SCADA system.
- xviii) The conditions on these lines shall have to be suitably included by the developer in the PPA etc. apart from other standard conditions.
- xix) The observations of DOE, GoHP and replies thereof shall form an integral part of the DPR.
- xx) Minimum 15% release of water immediately downstream of diversion structure shall be ensured all the times including lean season as per Power Policy of HP Govt., 2006 and subsequent amendments thereof. The necessary monitoring equipment as prescribed by the Pollution Control Board for the same shall be installed by the IPP during execution of the project.
- xxi) LADC/LADF amount and activities shall be implemented as per Power policy of HP Govt., 2006 and subsequent amendments thereof.

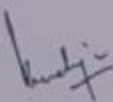


xxii) The additional 1% (one percent) free power from the project shall be provided and earmarked for a Local Area Development Fund (LADF) as per HP Govt. Notification No. MPP-F(1)-2/2005-V dated 30.11.2009.

xxiii) The TEC is based on the reports and data furnished by the IPP in the DPR and it is presumed that information furnished is correct and has been collected reliably after carrying out detailed field investigations and surveys under the supervision of competent personnel. The scrutiny of DPR does not cover the examination of the detailed designs & working drawings of project components in regard to their structural, hydraulic and mechanical performance & safety which shall be ensured by the project authority/IPP.

3. The project shall be completed within 24 months from the date of start of the construction work.
4. The completion cost of the scheme shall be submitted to DOE, GoHP for approval within 3 months from the Commercial Operation Date (COD) of the plant.
5. The Project Promoters/Project Authorities shall give free accessibility to the officers and staff of DOE, GoHP to have on the spot assessment of various aspects of the project.
6. The firm financial package and tie-up of balance inputs/clearances shall be completed within the period as stipulated in the HP Govt. power Policy, 2006 and subsequent amendments thereof /Implementation Agreement.
7. In case the time gap between the Techno-Economic Clearance of the scheme and actual start of work on the project is three years or more, a fresh Techno-Economic Clearance shall be obtained from DOE, GoHP before start of actual work.
8. The DOE, GoHP reserve the right to revoke the concurrence if the conditions stipulated above are not complied with to the satisfaction of the DOE/GoHP.

BY ORDER OF THE GoHP


  
Chief Engineer,  
Directorate of Energy, GoHP,  
New, Shimla-171009(HP).

No. DOE/CE(Energy)/TEC-Jiwa-II/2011-

9149-57 Dated: 30/3/12

Copy for information and necessary action to the:

1. Principal Secretary (MPP & Power) to H.P. Govt., Shimla-171002
2. Principal Secretary (NES) to H.P. Govt., Shimla-171002
3. Secretary, Ministry of Non-Conventional Energy Sources (MNES), Block No.14, CGO Complex, Lodhi Road, New Delhi-110003.
4. Director, Environmental & Scientific Technologies, Narayan Villa, Near Wood Villa Palace, Shimla-171002.
5. General Manager, HPPTCL, Borowalia House, Khalini, Shimla-171002.
6. Chief Engineer (SP), HPSEB Ltd, Vidyut Bhawan, Shimla-171004.
7. Chief Engineer(Commercial), HPSEB Ltd, Vidyut Bhawan, Shimla-171004.
8. Chief Executive Officer, Himurja, 8A-SDA Complex, Kasumpti, Shimla-171009.
9. M/S Behl Motors, Plot No-6&7, Industrial Area, Phase III, Souli Khad, Distt Mandi, Mandi (HP).

  
Chief Engineer,  
Directorate of Energy, GoHP,  
New Shimla-171009(HP).

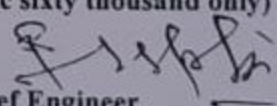
## ANNEXTURE-I

Jiwa-II SHP(1.75MW) in District Kullu of Himachal Pradesh allotted to "M/S Behl Motors, Plot No-6&7, Industrial Area, Phase-III, Souli Khad, Distt. Mandi, Mandi (HP)"

## ABSTRACT OF COST ESTIMATE

Sr. No.	Description of works	Amount (Rs. in lac)	
(a)			
1.	Civil works i/c other Misc. Expenses	723.12	} Price Level March, 2011
2.	Electro Mechanical works	385.70	
3.	Transmission works	59.76	
	<b>Sub Total (a)</b>	<b>1168.58</b>	
(b)			
1.	Interest During Construction (IDC)	127.77	
2.	Escalation	26.03	
3.	Financial Charges(FC)	9.89	
	<b>Sub Total (b)</b>	<b>163.69</b>	
	<b>Total (a+b)</b>	<b>1332.27</b>	
(c)	LADC @ 1% of (a+b)	13.32	
	<b>GRAND TOTAL (a+b+c)</b>	<b>1345.59</b>	
	Say Rs	1345.60 lac	

(Rupees one thousand three hundred forty five lac sixty thousand only)

  
 Chief Engineer,  
 Directorate of Energy, GoHP,  
 New Shimla-171009(HP).

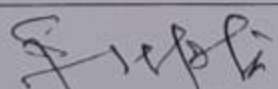


## ANNEXURE-II

Jiwa-II SHP(1.75MW) in District Kullu of Himachal Pradesh allotted to "M/S Behl Motors, Plot No-6&7, Industrial Area, Phase-III, Souli Khad, Distt. Mandi, Mandi (HP)"

## LIST OF STATUTORY AND ADMINISTRATIVE CLEARANCES REQUIRED

Sr.No.	ITEM	AGENCY	REMARKS
1.	WATER ABAILABILITY	1. State Govt. 2. CWC	Interaction between State Govt. Deptt. & CWC required. Relevant Irrigation Act of the State & Central Water Commission.
2.	SEB CLEARANCE	1. SEB. 2. State Govt.	Section 44, E(S) Act, 1948 Repealed by Electricity Act 2003.
3.	POLLUTION CLEARANCE WATER AND AIR	State/Central Pollution Control Board	Water (Prevention & Control of Pollution) Act, 1974 Air (Prevention & Control Pollution) Act, 1981.
4	FOREST CLEARANCE	1. State Govt 2. Min.of E&F G.O.I.	Coordination with State Forest Deptt./ Min. of Environ. & Forest (MOE&F) regarding Forest (Conserva-tion) Act, 1980.
5	ENVIRONMENT & FOREST CLEARANCE	1. State Govt 2. Min.of E&F G.O.I.	As per item (3) & (4) and Govt. Policy in force.
6.	REGISTRATION	Registrar of Companies.	Under Indian Companies Act, 1950.
7.	REHABILITATION & RESETTLEMENT OF DISPLACED FAMILIES BY LAND ACQUISITION	1. State Govt 2. Min.of E&F G.O.I.	
8.	EQUIPMENT PROCUREMENT	DGTD, CCI& E	Import & Export Acts.

  
Chief Engineer,  
Directorate of Energy, GoHP,  
New Shimla-171009(HP).

