

WAPCOS LIMITED
(A Government of India Undertaking)
76-C, Institutional Area, Sector-18, Gurugram-122015

No. WAP/Power/CV/Togo

Date: 27.11.2024

WAPCOS Limited an 'ISO 9001:2015 Govt. of India undertaking requires Experts/Consultants for work relating to Mission to control and supervise works relating to the "Construction of a 25 MWc solar power plant with 36 MWh of BESS (Battery Energy Storage System) in Dapaong and Extension of the medium and low voltage (MT/BT) electricity network in 61 rural localities in the Savanes Region" as per detail mentioned against each:

S.NO	Designation	Qualification required	Experience required
1.	Mission coordinator	Master degree	<p>15 years</p> <p>Energy Design Engineer level (BAC+5) or equivalent, with at least fifteen (15) years of experience in studies / implementation / control on photovoltaic system construction projects including at least eight (08) years relating to ground-based photovoltaic solar power plant projects, connected to the HTB or HTA electricity network</p> <p>He must have achieved at least over the last seven (07) years:</p> <ul style="list-style-type: none"> ✓ Two (02) execution/control and supervision missions, relating to projects for the construction of a photovoltaic solar power plant of at least 20 MWc connected to an HTB or HTA electricity network and ✓ One (01) execution/control and supervision mission, relating to a project to construct a photovoltaic solar power plant of at least 20 MWc with BESS storage of at least 20 MWh, connected to an HTB or HTA electricity network <p>Having experience in detailed technical study missions or technical assistance relating to photovoltaic solar power plant construction projects of at least 20 MWc with BESS storage of at least 20 MWh, connected to an HTB or HTA electricity network would be an asset</p> <p>Having a good knowledge of the environmental and social standards of the World Bank and the IFC would be an asset.</p>
2.	Solar power plant expert	Master degree	<p>12 years</p> <p>Renewable Energy Engineer level (BAC+5) or equivalent with at least twelve (12) years of experience in studies / control / implementation on photovoltaic solar system construction projects, including at least seven (07) years in photovoltaic solar power plant projects connected to</p>

			<p>the HTB or HTA electricity network.</p> <p>He must have achieved at least over the last seven (07) years:</p> <ul style="list-style-type: none"> ✓ Three (03) execution/control and supervision missions for construction projects for a photovoltaic solar power plant of at least 20 MWc connected to an HTB or HTA electricity network. ✓ One (01) detailed technical study or technical assistance mission relating to projects for the construction of a photovoltaic solar power plant of at least 20 MWc connected to an HTB or HTA electricity network. <p>Having a good knowledge of the environmental and social standards of the World Bank and the IFC would be an asset.</p> <p><i>He must be an expert residing in Togo for the needs of the mission.</i></p>
3.	Renewable Energy Engineer, BESS specialist	Master degree	<p>12 years</p> <p>At the level of Renewable Energy Engineer (BAC+5) or equivalent, with at least twelve (12) years of experience in studies / control / implementation on photovoltaic solar system construction projects, including at least seven (07) years of experience on ground-based photovoltaic solar power plant construction projects, connected to the HTB or HTA electricity network.</p> <p>He must have achieved at least over the last seven (07) years:</p> <ul style="list-style-type: none"> ✓ Two (02) execution/control and supervision missions for construction projects for a photovoltaic solar power plant of at least 20 MWc with BESS storage of at least 20 MWh, connected to an HTB or HTA electricity network; ✓ Two (02) detailed technical study or technical assistance missions relating to photovoltaic solar power plant construction projects with BESS storage, connected to an HTB or HTA electricity network. <p>Having experience in control and supervision missions or detailed technical study or technical assistance relating to BESS storage projects of at least 20 MWh, connected to an HTB or HTA electricity network would be an asset.</p> <p>Having a good knowledge of the environmental and social standards of the World Bank and the IFC would be an asset</p>
4.	Electrical engineer ; specialist in electrical and	Master degree	<p>10 years</p> <p>At the level of Renewable Energy Engineer (BAC+5) or</p>

	command		<p>equivalent, with at least twelve (12) years of experience in studies / control / implementation on photovoltaic solar system construction projects, including at least seven (07) years of experience on ground-based photovoltaic solar power plant construction projects, connected to the HTB or HTA electricity network.</p> <p>He must have achieved at least over the last seven (07) years:</p> <ul style="list-style-type: none"> ✓ Two (02) execution/control and supervision missions for construction projects for a photovoltaic solar power plant of at least 20 MWc with BESS storage of at least 20 MWh, connected to an HTB or HTA electricity network; ✓ Two (02) detailed technical study or technical assistance missions relating to photovoltaic solar power plant construction projects with BESS storage, connected to an HTB or HTA electricity network. <p>Having experience in control and supervision missions or detailed technical study or technical assistance relating to BESS storage projects of at least 20 MWh, connected to an HTB or HTA electricity network would be an asset.</p> <p>Having a good knowledge of the environmental and social standards of the World Bank and the IFC would be an asset.</p>
5	Electrical engineer ; specialist in electrical ss	Master degree	<p>7 years</p> <p>At the level of Electrical Design Engineer (BAC+5) or Telecommunications Engineer (BAC+5) or equivalent, with at least ten (10) years of experience in studies / control / implementation on photovoltaic solar system construction projects, including at least (05) years of experience on photovoltaic solar power plant projects connected to the HTB or HTA electricity network.</p> <p>He must have achieved at least over the last seven (07) years:</p> <ul style="list-style-type: none"> ✓ Two (02) execution/control and supervision missions on photovoltaic solar power plant construction projects of at least 20 MWc connected to an HTB or HTA electricity network, as a specialist in control and command of the plant. ✓ One (01) execution/control and supervision mission on a photovoltaic solar power plant construction project of at least 20 MWc with BESS storage of at least 20 MWh, connected to an HTB or HTA electricity network, as a specialist in control and command of the plant. <p>Having experience in detailed technical study missions or technical assistance relating to photovoltaic solar power plant construction projects of at least 20 MWc with BESS</p>

			<p>storage of at least 20 MWh, connected to an HTB or HTA electricity network, as a control and command specialist, would be an asset.</p> <p>Having a good knowledge of the environmental and social standards of the World Bank and the IFC would be an asset</p>
6.	Electrical Engineer, specialist in HTB/HTA power lines	Master degree	<p>10 years</p> <p>Electrical Design Engineer level (BAC+5) or equivalent, with at least ten (10) years of experience in studies / control / implementation on photovoltaic solar system construction projects, including at least five (05) years on photovoltaic solar power plant construction projects connected to the HTB or HTA electricity network.</p> <p>He must have completed at least over the last seven (07) years: Three (03) execution/control and supervision missions on power plant or electrical network construction projects (HTA and HTB), including two (02) on power plants of at least 20 MW connected to an HTB or HTA electrical network, as a specialist in electrical substations.</p> <p>Having experience in detailed technical study missions or technical assistance relating to construction projects for a photovoltaic solar power plant of at least 20 MWc with BESS storage of at least 20 MWh, connected to an HTB or HTA electricity network, as a specialist in electrical substations, would be an asset.</p> <p>Having a good knowledge of the environmental and social standards of the World Bank and the IFC would be an asset.</p> <p>He will be responsible for coordinating the construction activities of the HTA/HTB transformer station, its connection to the power station and all related works.</p> <p><i>He must be an expert residing in Togo for the needs of the mission</i></p>
7.	Civil Engineer, specialist in civil engineering works for solar power plants	Master degree	<p>10 years</p> <p>Civil engineer level (BAC+5) or equivalent, with at least ten (10) years of experience in carrying out construction work on civil engineering structures, including at least five (05) in the construction of civil engineering structures relating to solar power plants connected to the HTB or HTA electricity network.</p> <p>He must have carried out at least over the last seven (07) years: three (03) execution/control and supervision</p>

			<p>missions on power plant construction projects, including at least HTB or HTA electrical network (lines and substations) for connection to the existing electrical network, including at least one (01) photovoltaic solar power plant of at least 20 MWc connected to an HTB or HTA electrical network, as a specialist in the construction of related civil engineering works and HTB / HTA substations.</p> <p>Having experience in detailed technical study missions or technical assistance relating to projects for the construction of photovoltaic solar power plants of at least 20 MWc, connected to an HTB or HTA electricity network, as a specialist in the construction of related civil engineering works and HTB / HTA stations, would be an asset.</p> <p>Having a good knowledge of the environmental and social standards of the World Bank and the IFC would be an asset.</p> <p><i>He must be an expert residing in Togo for the needs of the mission</i></p>
8.	Electrical Engineer, permanent works controller	Master degree	<p>10 years</p> <p>Electrical Design Engineer level (BAC+5) or equivalent, with at least ten (10) years of experience in studies / control / implementation on photovoltaic solar system construction projects, including at least five (05) years on photovoltaic solar power plant projects connected to the HTB or HTA electricity network.</p> <p>He must have carried out at least over the last seven (07) years: two (02) control and supervision missions for construction projects for a photovoltaic solar power plant of at least 10 MWc connected to an HTB or HTA electricity network, as a works controller.</p> <p>Having experience in detailed technical study missions or technical assistance relating to LV and HV electrical network construction projects, as an electrical specialist/expert, would be an asset.</p> <p>Having a good knowledge of the environmental and social standards of the World Bank and the IFC would be an asset.</p> <p>He will be responsible for the ongoing monitoring of construction activities for the solar power plant and various other tasks assigned to him by his team leader.</p>

			<i>He must be an expert residing in Togo for the needs of the mission</i>
9	Senior technician in civil engineering, permanent works controller	Bachelor degree	<p>7 years</p> <p>Higher technician level in civil engineering (BAC+3) or equivalent, with at least seven (07) years of experience in studies / control / implementation on civil engineering construction projects, including at least five (05) years on photovoltaic solar power plant projects connected to the HTB or HTA electricity network.</p> <p>He must have carried out at least over the last seven (07) years: two (02) missions of control and supervision of civil engineering works relating to the construction of a photovoltaic solar power plant of at least 10 MWc connected to an HTB or HTA electricity network, as works controller.</p> <p>He will be responsible for the ongoing monitoring of civil engineering activities relating to the construction of the solar power plant structures and various other tasks assigned to him by his team leader.</p> <p><i>He must be an expert residing in Togo for the needs of the mission</i></p>
10	Rural Electrification” Team Leader	Master degree	<p>12 years</p> <p>Electrical engineer level (BAC+5) or equivalent with at least twelve (12) years of experience in studies / control / execution of construction or extension work for HTA/LV electrical networks.</p> <p>He must have carried out at least over the last ten (10) years: Four (04) missions of execution/control and supervision of construction work on HTA/BT electrical networks, including at least two (02) with a minimum scope of one hundred (100) km of HTA network.</p> <p>Having experience in detailed technical study missions or technical assistance relating to LV and HV electrical network construction projects, as a civil engineering specialist, would be an asset.</p> <p>Having a good knowledge of the environmental and social standards of the World Bank and the IFC would be an asset.</p> <p>As team leader, he will be responsible for coordinating all activities related to the construction of HTA/BT networks.</p> <p><i>He must be an expert residing in Togo for the needs of the mission</i></p>

11	Electrical engineer expert in HTA/BT electrical lines and substations	Master degree	<p>10 years</p> <p>Electrical engineer level (BAC+5) or equivalent with at least ten (10) years of experience in studies / control / execution of construction or extension work for HTA / LV electrical networks.</p> <p>He must have completed at least over the last seven (07) years: three (03) missions of execution/control and supervision of construction work on HTA/BT electrical networks, including at least one with a minimum scope of fifty (50) km of HTA network.</p> <p>Having experience in detailed technical study missions or technical assistance relating to LV and HV electrical network construction projects, as an expert in electrical lines and substations, would be an asset.</p> <p>Having a good knowledge of the environmental and social standards of the World Bank and the IFC would be an asset.</p> <p>He will be responsible for supervising permanent controllers.</p> <p><i>He must be an expert residing in Togo for the needs of the mission</i></p>
12	Civil engineer, expert in HTA/BT electrical lines and substations	Master degree	<p>10 years</p> <p>Civil engineer level (BAC+5) or equivalent with at least ten (10) years of experience in studies / control / execution of construction or extension work for HTA / LV electrical networks.</p> <p>He must have carried out at least over the last ten (10) years: three (03) execution/control and supervision missions for construction work on HTA/BT electrical networks, including at least one with a minimum scope of fifty (50) km of HTA network.</p> <p>Having experience in detailed technical study missions or technical assistance relating to LV and HV electrical network construction projects, as a civil engineering specialist, would be an asset.</p> <p>Having a good knowledge of the environmental and social standards of the World Bank and the IFC would be an asset</p>
13	(04) Senior Electrical Technicians, Permanent Controllers	Bachelor degree	<p>7 years, 5 years</p> <p>Higher Technician level (Bac+3) in electrical engineering or equivalent, with at least seven (07) years of experience</p>

			<p>in electrical engineering studies or work.</p> <p>Each technician must have carried out at least over the last five (05) years : two (02) execution/control and supervision missions for construction work on HTA/BT electrical networks, including at least one with a scope of thirty (30) km of HTA network.</p> <p>Each technician must be an expert residing in Togo for the needs of the mission</p>
14	(04) Senior Civil Engineering Technicians, Permanent Controllers		<p>7 years, 5 years</p> <p>(07) years of experience in civil engineering studies or work .</p> <p>Each technician must have carried out at least over the last five (05) years : two (02) execution/control and supervision missions for construction work on civil engineering works relating to HTA/LV electrical networks.</p> <p><i>Each technician must be an expert residing in Togo for the needs of the mission</i></p>
15	Geographic Information System Expert	Bac + 4	<p>5 years</p> <p>Expert in geographic information systems with a minimum level (Bac + 4) and with at least five (05) years of experience in modeling and digital cartography.</p> <p><i>He must be an expert residing in Togo for the needs of the mission</i></p>
16	Environmental Expert	Master degree	<p>10 years</p> <p>Minimum Bac+5 level in environmental or natural sciences, or equivalent, with at least ten (10) years of experience in Environmental and Social Impact Studies (ESIS) and in monitoring the implementation of the Environmental and Social Management Program (ESMP).</p> <p>He must have achieved at least over the last five (05) years:</p> <ul style="list-style-type: none"> ✓ Three (03) experiences in the implementation or supervision/control of environmental and social management plans, relating to development projects in the field of infrastructure, including at least one in the production, transport or distribution of energy. ✓ Experience in projects financed by technical and financial partners and meeting the environmental and social standards of the World Bank and the IFC.

			<p>He will also have to demonstrate QHSE certification in electrical and height work.</p> <p><i>He must be an expert residing in Togo for the needs of the mission</i></p>
17	Expert Sociologist	Master degree	<p>8 years</p> <p>BAC +5 level in sociology, anthropology or any field relevant to the mission and specialist in the assessment of social impacts of projects and the analysis of ecosystem services with cumulative practical experience of eight (08) years in monitoring compliance with the management of social risks identified in EIES and ESMPs.</p> <p>He must have achieved at least over the last five (05) years:</p> <ul style="list-style-type: none"> ✓ Three proven experiences in the implementation or control of PARC in the last five years, one of which is related to electrical infrastructure projects. ✓ Experience in projects financed by technical and financial partners and meeting the environmental and social standards of the World Bank and the IFC, mainly in the management of involuntary resettlement, social inclusion, management of vulnerable groups, GBV/SEA, management of complaints, forced labor and child labor, etc. <p>He must have knowledge of national provisions for social risk management and participatory approaches.</p> <p><i>He must be an expert residing in Togo for the needs of the mission</i></p>
18	Monitoring-evaluation expert	BAC +4	<p>7 years</p> <p>Minimum BAC +4 level in monitoring-evaluation/planning or equivalent and with at least seven (07) years of experience in monitoring-evaluation of development project work.</p> <p>He must provide proof at least over the last five (05) years of:</p> <ul style="list-style-type: none"> ✓ two (02) monitoring-evaluation missions for infrastructure construction projects, including at least one for electrical energy (production, transport or distribution) and at least one (01) financed by multilateral donors. <p>He must have a good command of planning tools and software.</p> <p><i>He must be an expert residing in Togo for the needs of the mission</i></p>

19	(06) Hygiene, Safety, Environment and Security Supervisors "HSES" (2 supervisors for the solar power plant and 4 supervisors for rural electrification)	Bachelor degree	<p>With at least a BAC+3 year degree in the fields of environmental, social and/or human sciences or any other equivalent field, they will assist environmental and social specialists in their area of intervention and carry out their tasks under their supervision.</p> <p>Each HSES supervisor must have at least three (03) proven experiences in monitoring the implementation of PGES and/or PAR over the last seven years in the last five (05) years. Specific training in QHSE, working at height and scaffolding would be an asset.</p> <p><i>They must be experts residing in Togo for the needs of the mission</i></p>
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- All key experts must be physically present in the Togolese Republic at the start of the mission. All experts must take an active part in the work in accordance with the timetable which will be validated by mutual agreement
- Salary shall be negotiable, commensurate to qualification and experience at the time of Personnel Interview.
- Maximum Age Limit is 65 years as on 01.11.2024.
- Those who are working in Govt. Departments/PSU/Autonomous bodies are required to apply through proper channel or produce no objection certificate at the time of interview.
- The posts are purely on short term basis for its Project requirement only. However, further if found suitable, consultant or Experts/Consultant may also be utilized in any other project and he/she may be posted in India and abroad as per requirement.
- Relevant experience will be given due weightage.
- Management reserves the right to fix the criteria to restrict the number of candidates to be called for Personnel Interview.
- Before submission of application, the candidate must ensure that he/she fulfills the eligibility criteria and other norms mentioned in the advertisement.
- CVs should be submitted strictly in prescribed proforma enclosed as Annexure-1 along with photocopies of documents in support of Date of birth, Qualification, Experience and Proof of category etc. in case of candidate belonging with reserved category. Any other proforma will not be accepted.
- The mere fact that a candidate has submitted his/her application against the advertisement and apparently fulfilling the criteria as prescribed in the advertisement would not bestow on him/her the right to be definitely called for interview/considered further for engagement.

Interested candidates fulfilling the eligibility conditions may send their CVs in the prescribed proforma enclosed as Annexure-1 at mmk@wapcos.co.in with subject of the email as – CV for *Name of Position* for ----- Project.

Last date for receipt of application shall be **07.12.2024**

For details and proforma visit our website <http://www.wapcos.co.in/careers.aspx>

CURRICULUM VITAE (CV) FOR EXPERT

1.	Proposed Position			
2.	Name of Firm	WAPCOS Limited		
3.	Name of Expert			
4.	Contact No.			
5.	Date of Birth			
6.	Nationality			
7.	Education			
	Membership of Professional Associations			
8.	Other Training			
9.	Countries of Work Experience			
10.	Languages	Speaking	Reading	Writing
	English			
	Hindi			
	Others *			
11.	Employment Record			
	From	To	Employer	Position Held
i.				
ii.				
iii.				
iv.				
12.	Detailed Tasks Assigned			
13. Work Undertaken that Best Illustrates Capability to Handle the Tasks Assigned				
I.	Name of Project	:		
	Year	:		
	Location	:		
	Employer	:		
	Main Project Features	:		
	Position Held	:		
	Activities Performed	:		
II.	Name of Project	:		
	Year	:		
	Location	:		

	Employer	:	
	Main Project Features		
	Position Held	:	
	Activities Performed	:	
III	Name of Project	:	
	Year	:	
	Location	:	
	Employer	:	
	Main Project Features		
	Position Held	:	
	Activities Performed	:	
IV	Name of Project	:	
	Year	:	
	Location	:	
	Employer	:	
	Main Project Features		
	Position Held	:	
	Activities Performed	:	
V	Name of Project		
	Year		
	Location		
	Employer		
	Main Project Features		
	Position Held		
	Activities Performed		
VI	Name of Project		
	Year		
	Location		
	Employer		
	Main Project Features		
	Position Held		
	Activities		

	Performed		
VII	Name of Project		
	Year		
	Location		
	Employer		
	Main Project Features		
	Position Held		
	Activities Performed		
VII I.	Name of Project		
	Year		
	Location		
	Employer		
	Main Project Features		
	Position Held		
	Activities Performed		

14. Certification:

I, the undersigned, certify to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.

Date:

Place:

Name & Signature of Candidate