

**DIRECTORATE OF ENERGY
GOVERNMENT OF HIMACHAL PRADESH
(DEPARTMENT OF MPP & POWER)**

Notice Inviting Expression of Interest (EOI)

**For empanelment of Technical Experts in Directorate of Energy, GoHP Shimla
HPDoE/CE(Energy)/Experts/WB(Vol-II)-2024- 4413 dated 18.09.2024**

Directorate of Energy, Government of Himachal Pradesh, invites applications by 09/10/2024 from interested and eligible applicants who are willing to provide consultancy services to Directorate of Energy as empaneled Technical experts/consultants as per following w.r.t. ongoing World Bank funded “Himachal Pradesh Power Sector Development Program”.

Sr. No.	Expert	Required Experience /Qualification
1.	Solar Expert/Consultant	<p>i. B.E/ B.Tech in Electrical/ Electronic/Instrumentation Engineering with at least 10 years' experience.</p> <p>ii. Additional Masters' degree in renewable energy/ power generation related field would be an added advantage.</p>
2.	Aquatic Ecologist	<p>i. Master's degree in aquatic ecology, limnology, biology, water resources science, or related field.</p> <p>ii. 10 Years overall and 5 Years specific relevant professional experience.</p>
3.	Bio-Diversity Specialist	<p>i. Master's Degree in Environmental Sciences, Environment Management, Biodiversity conservation or any other relevant related field (PhD preferred).</p> <p>ii. 10 Years overall and minimum specific relevant professional experience of 5 years in working with large scale regional project or with International Organizations.</p>
4.	Social Safeguards Specialist	<p>i. Master's Degree in Sociology/ Anthropology/ Social work/ Gender Studies.</p> <p>ii. Minimum 10 Years of professional experience of working in the related field in working with large scale regional project or with International organization.</p>

5.	Gender Specialist	i. Master's Degree in Sociology/ Anthropology/ Social Work/ Gender Studies. ii. Overall 10 years and 7 Years of professional experience of working in the related field.
6.	Labour Specialist	i. Master's Degree in Law/ Sociology/ Anthropology/ Social Work. ii. Overall 10 years and 5 Years of professional experience of working in the related field labour welfare and compliance.
7.	GIS Expert	i. Bachelor's or Master's degree in GIS, Geography, Environmental Science, Geospatial Science, Computer Science, Geoinformatics, Remote Sensing & GIS, Water Resources, Earth Sciences, Hydrology, Civil Engineering, or related fields. ii. Over all 10 years and at least 5 years of professional experience in GIS applications, spatial data analysis, or related fields.

*****Note:**

1. The duration of the expert/specialist empaneled will be for initially for 2 years which can be extended further till the end of Program on satisfactory performance. The expert/consultant shall be engaged under World Bank funded "Himachal Pradesh Power Sector Development Program".

2. The services of empaneled expert/consultant will be utilized need based only*.**

As regard to other eligibility conditions, terms and conditions of engagement, Scope of work & emoluments and application format etc., the applicants may visit and download the same from official website of Directorate of Energy i.e. <http://doehimachal.nic.in>. The Application Form duly filled in hard copy may be sent to following address by **9th October, 2024 5:00 P.M. (No application received later then this will be entertained).**

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**The Chief Engineer (Energy),
 Directorate of Energy, GoHP,
 2nd Floor, M.C. Parking Building,
 Tutikandi Crossing, Shimla-05.
 e-mail: ceenergy09@gmail.com**

**DIRECTORATE OF ENERGY
GOVERNMENT OF HIMACHAL PRADESH
(DEPARTMENT OF MPP & POWER)**

Application form for empanelment of Technical Experts in Directorate of Energy, GoHP

1. Name of Applicant.....
2. Father's Name.....
3. Date of Birth*.....
4. Sex Code**

Paste self
Attested Passport
Size Photograph

**Please do not pin
or staple**

5. Corresponding Address.....
Pin Code.....Telephone/Mobile No.....

(With STD Code)
6. Permanent Address.....
Pin Code.....Telephone/Mobile No.....

(With STD Code)

7. Professional Qualifications:

Examination	Year of passing	Board and University (Full Name)	Total marks	Marks Obtained	% age

8. Detail of Experience in the concerned field along with significant contribution made during their assignments:-
(Extra sheets may be issued, if required):-

Address for Applying:

**The Chief Engineer (Energy),
Directorate of Energy, GoHP,
2nd Floor, M.C. Parking Building,
Tutikandi Crossing, Shimla-05.
e-mail: ceenergy09@gmail.com**

DECLARATION BY THE CANDIDATE

I hereby solemnly declare that all statements made in this application are correct to the best of my knowledge and belief. In the event of any information being found false or incorrect, ineligibility being detected my candidature shall be cancelled.

Date.....

Place.....

(Signature of Candidate)

Notice Inviting Expression of Interest (EOI)

For empanelment of Technical Experts/Consultants in Directorate of Energy

Directorate of Energy is nodal office of HP Power Sector in the State which mainly deals with various policy interventions and in the development of Hydro Power sector along with intra and inter departmental co-ordination. As per one of the major mandate Directorate of Energy is also a Nodal office for implementation of World Bank funded “Himachal Pradesh Power Sector Development Program”, a 5 year program for overall upgradation of HP Power Sector and taking up the Solar Generation to the tune of 200 MW in the State.

For taking up the assigned mandates the Directorate of Energy, Govt. of Himachal Pradesh intend to empanel Technical experts/ consultants as per following. These empaneled experts will be providing services as per need based in PMU-DoE.

1. Aquatic Ecologist:

Duties & Responsibilities

The person in this position will work with a diverse team of engineers and scientists, completing water resources and related technical assignments. Work may include field monitoring/sampling of water quality parameters; hydrologic and water quality analyses related to storm water, stream, pond, wetland, lake, and reservoir management; aquatic ecology and aquatic plant management; water quality analysis in urban and/or rural settings; and other technical reports; presenting at public forums, client meetings, and conferences; developing and maintaining client relationships; and working with permitting agencies and public officials.

Responsibilities may also include working with project teams involved in hydrologic/water quality modeling, storm water management, watershed planning, natural resources management, and GIS work. Work may involve short-term, out-of-town assignments either in the field or in another office.

Qualifications:

- Master’s degree in aquatic ecology, limnology, biology, water resources science, environmental science, or related field
- At least five years of relevant professional experience
- Demonstrated interest or emphasis in lake and river basin, stream management, water quality, fisheries, and/or aquatic ecology
- Ability to conduct water quality field monitoring and experience with techniques such as water sampling, automated sampling, sediment coring, macro invertebrate sampling, electrofishing, wild rice surveys, or related techniques.
- Familiarity with water resources topics such as lake management (aquatic plants, algae, nutrient cycling, and other aspects of lake ecology), aquatic invasive species management, fisheries management, and hydrology
- Familiarity with water quality analysis which may include water quality models, analysis methods, etc.

- Familiarity with local and state regulatory requirements, including Federal Energy Regulatory Commission licensing
- Flexible working style and willingness to occasionally modify personal schedule as required to meet deadlines and/or client needs
- Ability to coordinate complex monitoring schedules, staff, and workload
- Strong interpersonal, oral, and written communication skills
- Legal authorization to work in the United States without the need for sponsorship
- Work experience in consulting
- Demonstrated project organization and management skills
- Working knowledge of GIS software
- Familiarity with statistical analysis software such as R or other programming languages
- Familiarity with relevant water quality laboratory procedures such as algae/cyanobacteria identification, phosphorus fractionation, or other related procedures
- Advanced knowledge of water monitoring, modeling, water chemistry, aquatic plant identification and management, fisheries identification and management, and invasive species control
- Experience with hydrologic modeling, water quality modeling, and water balance software programs
- Strong technical skills in a broad range of water quality topics

2. Bio-Diversity Specialist:

Duties & Responsibilities

- The senior biodiversity specialist will play a key role in providing advice and support for project activities related with biodiversity, in full compliance with MoEF & CC, GoI and GoHP's mandates, policies, associated procedures, guidelines and standards and the donor requirements as per the project contract. Under the direct supervision of the Project Head the incumbent will be responsible for carrying out the following specific tasks:
- Review, edit and sign off on all project activities and deliverables related with biodiversity in accordance with the project documents and workplans.
- Develop the necessary terms of references for the project experts / consultants as needed for conducting the project activities related with biodiversity.
- Develop technical progress reports and assist the Project Coordinator
- Assess and support project experts and consultants, and conduct quality control to ensure experts' delivery of contracted studies and analysis.
- Participate in , and organize regular meetings with experts and consultants,
- Review, edit and conduct quality tracking of all project technical reports and deliverables related with biodiversity.
- Participate (or coordinate and/or facilitate) in events, workshops, and meetings logistics and trainings related with biodiversity.

- Performing any other duties as requested by the department.

QUALIFICATIONS:

- Master's degree in environmental sciences, environmental management, biodiversity conservation, or any other relevant related fields (MSc or PhD preferred).
- Extensive and practical knowledge of main global and regional environmental agreements and environmental
- At least 5 years of experience working with large-scale regional projects or with international organizations.
- Excellent facilitation and coordination skills, the ability for managing the timely and effective delivery of both quantity and quality work on time.
- Strong communication and presentation skills and an ability to prepare appropriate and timely reports to a wide range of audiences and cultures.
- Time management skills including an ability to work effectively under pressure and to meet deadlines.
- Fluent writing and speaking literacy in English
- Proven ability to liaise and work with a range of stakeholders including government agencies, the private sector, and local stakeholders, and in support of regional and national institutions
- Demonstrated commitment to achieving biodiversity conservation and livelihoods goals.
- A team player who is able to contribute effectively to collaborative issues, and to demonstrate innovation and leadership, as appropriate.

3. Social Safeguards Specialist:

Duties & Responsibilities:

- a. Develop monitoring indicators on social risk management (social inclusion, gender, participatory planning, citizen engagement, land management, grievance management, labour welfare, and other relevant themes on social) to be incorporated in the centralised MIS system for monitoring and reporting.
- b. Develop annual work plans for all social specialists engaged at the PIUs and at the site level, to enable seamless implementation of the project.
- c. Coordinate with all the social specialists engaged at the PIUs and at the site-level to (a) periodically collate data against the monitoring indicators to track social development outcomes under the project, and (b) ensure uniform procedures are adopted across the project to implement, monitor, and report on social development outcomes.
- d. Review and approve the sub-project level social safeguard instruments such as ESIA's, ESMPs, RAPs and finalize the same for moderate and low risk. Monitor the tasks carried out by the Environmental and Social Assessment (ESIA) consultant/s hired for preparation of these documents. Review and submit ESIA's, RAPs for high and substantial risk sub-projects to the Bank.

- e. Lead and monitor implementation of social development activities specified under ESSP and Standard Operating Procedures and Benefit Sharing of the project and report on their outcome.
- f. Organize relevant stakeholder consultations for the project in coordination with PIU social specialists and site level social specialists.
- g. Ensure suo-moto disclosure of project related information including ESSO and other risk management documents in an appropriate format to comply with the requirements of the national/state laws.
- h. Supervise annual trainings, and capacity building initiatives on social risk management for all staff at the PMU, PIUs and other line agencies, site-level staff in coordination with PIU social specialists.
- i. Review or ensure that all policy/guideline, strategy, or planning procedures under the project (wherever required) are reviewed by the designated PIU social specialists, prior to its finalization.
- j. Ensure adoption of the ICT tool for monitoring land requirement processes and implementation of the documents by the PIUs.
- k. Prepare a quarterly report on social risk management for the World Bank's review, based on the reports submitted by the PIUs' social staff, consultants and contractors.
- l. Prepare and finalize ToRs for any future social development studies or activities under the project, in consultation with the designated PIU's social staff.
- m. Monitor and report on the overall project's grievance management system covering disaggregated data on number of grievances registered, resolved, escalated, and closed under the project with the given time frame.
- n. Engage with World Bank mission for guidance and coordinate field visits etc. for supervision missions.

Qualification:

- Master's degree in sociology/anthropology/ social work/gender studies.
- At least 10 years of professional experience of working in the related field.
- Fluency in Hindi and English.
- Working knowledge of computer.
- Review, edit and conduct quality tracking of all social reports and deliverables related with social.
- Performing any other duties as requested by the department.
- Having experience of working on EAP Project.

4. Gender Specialist:

Duties & Responsibilities:

- a. Lead and anchor implementation of the following gender related activities proposed under the project, and report on their outcome.
 - a. Improve women's participation in decision-making roles in disaster management committees.

- b. Strengthen DoE, HPPCL, HPTCL, HPSEBL, Solar response to enable women to access EWS and information with reduced time lags.
 - c. Develop gender-informed communication strategies with a specific focus on Women Headed Household.
 - d. Strengthen the capacity of female first responders as a part of capacity building initiatives.
 - e. Ensure that community-level on benefit sharing plans include specific interventions for women, especially for WHHs.
 - f. Set targets to measure and improve women's employment in Utilities and associated job roles.
 - g. Increase the participation of female workers in civil works, promoting gender-inclusive employment with equal pay and raising awareness of contractors on gender-sensitive employment practices.
 - h. Integrate gender-responsive physical designs in bidding documents.
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- b. Ensure that gender considerations and requirements of persons with disabilities are integrated into policy/guideline, strategy, or planning procedures for promoting equality, inclusion and non-discrimination in the project.
 - c. Coordinate with Social Safeguard Specialist and Labour Specialist and Social Specialists of the PIU and Field Units in delivering the Social Development Outcomes.
 - d. Coordinate with the technical team to incorporate collection of disaggregated data on gender, SC, ST and other marginalized groups in any studies being undertaken.
 - e. Build and implement strategies (trainings, discourse, cross-learning, standard operating procedures, etc.) to support capacity enhancement of project personnel, contractors, etc. in identifying and mitigating SEA/SH risks.
 - f. Ensure that PIUs, contractors, consulting firms, etc. comply with the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 and adopt code of conduct for zero-tolerance of Gender Based Violence (GBV). Ensure that redressal system is also developed to address complaints related to GBV in a confidential and sensitive manner.
 - g. Liaise with community-based organizations and NGOs to increase women's participation in the planning, preparation and implementation phase of the project.
 - h. Ensure that the bid documents include the laws to prevent and address GBV –among the labour.
 - i. Provide inputs and guidance on how to integrate gender dimensions in the development of communication material for any outreach program.
 - j. Develop specific indicators track the performance of gender outcomes for M&E system.

Qualification:

- Master's degree in sociology/anthropology/ social work/gender studies.
- At least 7 years of professional experience of working in the related field.
- Fluency in Hindi and English.
- Working knowledge of computer.
- Review, edit and conduct quality tracking of all social reports and deliverables related with social.
- Performing any other duties as requested by the department.
- Having experience of working on EAP Project.

5. Labour Specialist:**Duties & Responsibilities:**

- a. Supervise and monitor compliance of labour laws and regulations by the staff, contractors and consultant regarding their terms and conditions of employment, non-discrimination and equal opportunity, worker's organizations and occupational health and safety aspects.
- b. Support adoption and implementation of ICT tools to track compliance of labour welfare laws during civil works as per the contracts and report.
- c. Review the site specific Labour Management Procedures and other relevant instruments prepared by the ESA consultant/s and subsequently, monitor and report on its implementation throughout the project lifecycle.
- d. Review and ensure that all relevant clauses related to labour standard compliance are integrated in the bid documents and contracts, along with the Environmental and Social Management Plan and Labour Management Procedures.
- e. Ensure contractors, including the PIUs and field PIU staff are providing monthly monitoring reports on labour standard compliance in accordance with the metrics specified in the respective bidding documents and contracts. Based on this data, prepare quarterly progress report on the status of labour standard compliance in all project sites.
- f. Coordinate with Gender specialist and Social Safeguard Specialist at the PMU to implement the project.
- g. Assess and manage specific risks and impacts to the community arising from construction activities, including, inter alia, behaviour of construction workers, risks of labour influx, response to emergency situations.
- h. Develop a 'code of conduct' [which incorporates zero tolerance to sexual harassment, workplace discrimination, etc.] for the staff, consultants and contractors including its personnel to abide by. The code of conduct must also include sanctions for non-compliance.
- i. Ensure the contractors have established and are operating a grievance mechanism for all construction workers, including those engaged by the sub-contractors.

- j. Prepare training plan and deliver labour compliance-specific trainings for staff and implementing partners (contractors, consulting firms, etc.) throughout the project cycle.
- k. Report any incident such as sexual exploitation/harassment or accident that result in death, serious or multiple injury at the construction sites. Provide sufficient detail regarding the scope, severity, and possible causes of the incident or accident, indicating immediate measures taken or that are planned to be taken to address it, and any information provided by any contractor and/or supervision consultant, as appropriate. Subsequently, at the World Bank's request, prepare a report on the incident or accident and propose any measures to address it and prevent its recurrence.

Qualification:

- Master's degree in law/sociology/anthropology/social work.
- Overall 10 years and at least 5 years of professional experience of working in the related field of labour welfare and compliance.
- Fluency in Hindi and English.
- Working knowledge of computer.
- Review, edit and conduct quality tracking of all Gender reports and deliverables related with gender issues.
- Performing any other duties as requested by the department.
- Having experience of working on EAP Project.

6. Solar Expert:

Qualification:

- B.E/ B.Tech in Electrical/ Electronic/ Instrumentation Engineering with at least 10 years' experience.
- Additional Masters' degree in renewable energy/ power generation related field would be an added advantage.
- Review, edit and conduct quality tracking of all solar reports and deliverables related with solar.
- Performing any other duties as requested by the department.
- Having experience of working on EAP Project.

EXPERIENCE

- At least 10 years of work experience working in solar/ wind projects in design/project engineering/ implementation/ OMS.
- Experience as OE/ LE/ PMC is also considered as equivalent for this parameter.
- Should be familiar with QAP, FQP and PGT for Solar projects.

7. GIS Expert

GIS Expert is required for managing, analyzing, and visualizing spatial data to support multidisciplinary projects, including Environmental Management, Environmental Impact Assessment, Water Resource Management, and Early Warning Systems, etc.

Experience Required: 5 years' Experience in field data collection using GPS, remote sensing, UAVs (drones), or other geospatial data acquisition tools. Ability to integrate field data into GIS systems for advanced analysis.

Duties & Responsibilities:

- **Data Collection and Management:** Responsible for collecting and compiling spatial and non-spatial data from a range of sources, including satellite imagery, aerial photographs, GPS, and field surveys. Tasks include organizing, storing, and managing data to ensure high standards of quality, accuracy, and integrity. Key responsibilities involve creating and maintaining spatial databases to facilitate efficient data retrieval and robust spatial analysis, which are fundamental to the success of GIS projects.
- **Data Analysis:** Conduct spatial analyses, such as overlay, proximity, and statistical analyses, to extract meaningful insights that drive decision-making. Analyze spatial patterns, trends, and relationships to address project-specific needs, providing data-driven insights that guide strategic actions.
- **Map Design and Visualization:** Design and produce detailed maps, charts, and visual representations of spatial data to convey complex information. Create interactive web maps and dashboards to support effective communication with stakeholders.
- **GIS Software and Tools Management:** Utilize GIS software like ArcGIS and QGIS for advanced spatial analysis and map production. Develop and maintain custom scripts using programming languages such as Python and R to automate workflows, enhance efficiency, and streamline GIS processes.
- **Data Integration:** Integrate spatial data with other data sources, such as CAD files, databases, and external software systems, to provide a holistic analysis. Ensure data interoperability and consistency across multiple platforms to support seamless collaboration and data sharing.
- **Spatial Modelling and Forecasting:** Develop spatial models to simulate scenarios and predict future trends, essential for environmental assessments, risk analysis, and Early Warning Systems. These models provide stakeholders with critical foresight to anticipate potential challenges and guide strategic decisions.
- **Reporting and Documentation:** Prepare comprehensive reports, technical documentation, and presentations that summarize analytical findings and provide actionable recommendations. Properly document data sources, methodologies, and workflows to ensure transparency and reproducibility of work, supporting confidence in the results.

- **Project Management:** Manage GIS projects, including planning, scheduling, and coordinating with team members or departments. Oversee GIS deliverables, ensuring they meet project timelines and quality standards, requiring strong organizational and leadership skills.

Qualifications:

- **Educational Background:** Bachelor's or Master's degree in GIS, Geography, Geospatial Science, Computer Science, Geoinformatics, Remote Sensing & GIS, Earth Sciences, Hydrology, Civil Engineering, or related fields.
- **Experience:** Overall 10 years and at least 5 years of professional experience in GIS applications, spatial data analysis, or related fields with following:
 - Technical Proficiency:** Expertise in GIS software, such as ArcGIS, QGIS, or equivalent platforms. Familiarity with programming languages like Python, R, or SQL for automating GIS processes and conducting spatial data analysis.
 - Database Management Skills:** Knowledge of DBMS like PostgreSQL/PostGIS, Oracle Spatial, or SQL Server, with experience in managing spatial databases, ensuring data quality, and integration.
 - Field Experience:** Experience in field data collection using GPS, remote sensing, UAVs (drones), or other geospatial data acquisition tools. Ability to integrate field data into GIS systems for advanced analysis.

Accordingly the draft expression of interest (EoI) has been prepared and submitted herewith. The selection for empanelment of the Technical experts/consultants shall be taken up through the expert committee appointed by the Govt. of Himachal Pradesh.

Selected individuals will be empanelled for a period of 2 years initially by the Directorate of Energy and the duration of empanelment may continue after satisfactory completion of the tenure of two years to the end of program. Directorate of Energy reserves the right to discontinue the empanelled Technical Expert / Consultant at any time without assigning any reasons.

TERMS AND CONDITIONS:-

1. The applicant should not be direct employee of any Govt./Semi Govt./ PSUs/Private Firms which has direct/indirect mutual or clash of interests with Directorate of Energy. The empanelled Technical expert/ consultant shall require to furnish an undertaking regarding this.
2. The empanelled Technical Expert / consultant will maintain the confidentiality of any commercial or proprietary information of the project that he may have received from the Directorate of Energy or any other entity.
3. Technical experts/ consultants shall be entitled for charges on account of providing Consultancy Services, Field Inspections, Travelling, Boarding and Lodging as described below:-

Sr. No.	Particulars	Terms of Payment	Charges payable	Remarks
1	Regulation of remuneration for consultancy	<p>ii) For local station on working 8 hrs or more(full daily) OR For out station for attending meetings and official works etc.</p> <p>ii) For Project site visit</p>	<p>Rs.4000/- per day</p> <p>Rs. 5000/- per day</p>	<p>This rate shall be applicable for the total number of days spent for attending the meetings/ official works and for journey days, 50% of charges payable per day i.e. Rs. 2000/- per day shall only be payable provided that the journey period is more than six hours.</p> <p>This rate shall be applicable for the total number of days spent for visiting the project sites and for journey days 50% of charges payable per day i.e. Rs. 2500/- per day shall only be payable provided that the journey period is more than six hours.</p>
2	Travelling Charges	<p>For travelling outside their local stations</p> <p>i) To Project sites</p> <p>ii) To other stations in HP & Outside State</p>	<p>Rs. 8/- per Km OR The actual amount charged by taxi be reimbursed, whichever is lower.</p> <p>Rs.8/- per Km OR The actual amount charged by taxi be reimbursed, whichever is lower.</p>	
3	Boarding and lodging charges	i) For station at Shimla/ Dharamshala/ Mandi/Manali Delhi and Chandigarh	Rs.2500/- per day	Subject to production of documentary proof.

		ii) For other stations in the State	Rs.2000/- per day	
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4. All the reports shall be prepared in English. If and as required the consultant shall organize the translation of these reports in Hindi also.

SUBMISSION OF APPLICATION

- I.** Application form, Eligibility Criteria, Terms & Conditions etc. shall also be available on the official website of Directorate of Energy (<http://doehimachal.nic.in>).
- II.** The envelope containing Application Form and other details should be super-scribed with the words “APPLICATION FOR EMPANNELMENT OF TECHNICAL EXPERT / CONSULTANT IN DIRECTORATE OF ENERGY”. The applicant can also apply through e-mail i.e. ceenergy09@gmail.com
- III.** Application in the prescribed format complete in all respects along with the write up on their significant contribution made by them during their various assignments should reach latest by _____ on the following address.

**The Chief Engineer (Energy),
Directorate of Energy, GoHP,
2nd Floor, M.C. Parking Building,
Tutikandi Crossing, Shimla-05.
e-mail ceenergy09@gmail.com
Ph. No. [0177-2673552](tel:0177-2673552), Fax No. [0177-2673553](tel:0177-2673553).**

Advt. Date:_____

(Closing Date:_____)