

Government of Punjab
Expression of Interest (Eoi)

**For Integrated IT Solutions or other latest Technology
Solutions/Systems
Related to Mining Activities in the State**

Event	Date	Time
Last date for Receipt of Eoi	26.09.2024	13:00 Hrs
Date of Presentation (Venue: Mount View Hotel, Sector 10, Chandigarh)	27.09.2024	11.00 Am on wards

**Department of Mines & Geology,
Hydel Building , Sector 18-B, Madhya Marg, Chandigarh**

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1. **Introduction and Scope:** Department of Mines & Geology, Punjab(Client), India invites expression of interest from reputed companies who have similar experience and have relevant IT solutions OR Technology Solutions/Systems related to monitoring and management of activities related to Mining department.
2. The department has total 471 registered crusher units in the districts Mohali, Ropar, Hoshiarpur, Pathankot, Gurdaspur, Amritsar, SBS Nagar.
3. The Department of Mines and Geology, with the objective to regulate processed material within the State, has initiated a comprehensive proposal aimed at installing weighbridges, boom barriers, cameras(ANPR/PTZ/IP/Varifocal), RFID readers, RFID Tags with prepaid facility and other related hardware and software solutions at various strategic locations, **tentative number of locations is 101 on PPP mode**. This initiative stems from the recognition that the current system for accounting processed material from Crusher units and from neighboring States, particularly Punjab, is inadequate and lacks the necessary accuracy and efficiency. Consequently, there is a pressing need to establish the proposed system to ensure effective monitoring and control of processed materials within the State.
4. Details of the district wise tentative weighbridges is mentioned below:

Sr. no.	District	Total no. of registered crushers	Tentative weighbridges to be installed	Peak Crusher Sale across the state in one day (in MT)	Average order size in MT	Total Q forms per day	Indicative Per Weighbridge Q forms per day
1	Amritsar	1	1	2680	54	50	50
2	Gurdaspur	11	7	1762	27	66	09
3	Pathankot	150	39	50000	31	1630	71
4	Sri Anandpur Sahib	98	9	18036	35	518	58
5	Ropar	65	17	8765	23	380	27
6	Hoshiarpur	25	10	15830	35	450	45
7	Mohali	119	16	22123	25	879	55
8	SBS Nagar	2	2	800	44	18	09
	Total	471	101	119,996	-	3991	324

- All figures are indicative in nature

5. The Department of Mines and Geology herein proposes the implementation of a digital solution for the existing and forthcoming mining sites under its jurisdiction. The mining sites are classified into two categories: Commercial Mining Sites (CMS) and Public Mining Sites (PMS). The Commercial Mining Sites are operated by authorized contractors engaged by the Department, whereas the Public Mining Sites are directly managed by the Department itself. In order to ensure the comprehensive monitoring of each ton of material sold from both CMS and PMS, it is imperative to establish a robust information technology solution for the effective oversight and regulation of these sites. It is essential to emphasize that the Department requires a solution from prospective applicants that is capable of being relocated from one location to another with ease and minimal disruption.
6. The primary aim of these projects is to account for every tone of raw/processed material, thereby enhancing the revenue collection for the State Exchequer. By implementing this system, the Department seeks to create a robust framework that not only facilitates precise tracking and recording of processed materials but also ensures that the revenue generated aligns with the State Policy. This alignment is crucial for maintaining financial integrity and supporting the State's economic goals.
7. The existing process of accounting for raw/processed materials has several deficiencies that hinder effective revenue collection and management. These deficiencies may have resulted in revenue losses for the State, as the unaccounted materials bypass the existing monitoring mechanisms. The proposed system will address these gaps by providing a comprehensive and integrated solution

that encompasses advanced technological tools such as weighbridges, different types of Cameras, RFID readers etc. These tools will enhance the accuracy of data collection and ensure real-time monitoring of processed materials as they move within the State and across its borders.

8. Furthermore, the installation of weighbridges, cameras and boom barriers will serve as additional layers of security and verification, ensuring that all processed materials are duly recorded and accounted for. This enhanced monitoring capability will not only aid in revenue collection but also help in curbing illegal activities associated with the transportation and processing of materials. By deterring such activities, the project will contribute to a more transparent and accountable system of material management.
9. One of the critical outcomes of this project is the anticipated stabilization and reduction of processed material prices available to the public in Punjab State. By ensuring that all raw/processed materials are properly accounted for and subjected to the State's revenue policies, the Department aims to eliminate the discrepancies that lead to inflated prices. This regulation will ultimately benefit the public by making processed materials more affordable and accessible.
10. In conclusion, the initiative undertaken by the Department of Mines and Geology to install weighbridges, boom barriers, cameras, RFID readers, and related hardware and software solutions is a strategic move towards enhancing the regulation and monitoring of processed materials within the State. This project is essential for establishing an efficient and accurate system for accounting processed materials, thereby improving revenue

collection for the State Exchequer. Moreover, it aims to stabilize the prices of processed materials for the public, ensuring fairness and accessibility. The proposed system is a significant step towards achieving these objectives and fostering a more transparent, accountable, and economically sound framework for material management in the State.

11. **Objectives of EoI:** The Department of Mines & Geology, Government of Punjab has been pursuing to initiate establishing a monitoring system in the State for various revenue sources of the Department, which is essential for revenue augmentation, improving the service delivery and achieving the development goals of the Department. This initiative supports the Department in achieving a reasonable progress in parameters such as maintaining a database pertaining to output material/processed material from crusher units, tracking and monitoring the movement of minerals, payment processes, recovery procedures, and so on. Currently, the processes are handled manually. As a result, monitoring & reporting is delayed and there is no complete tracking of the minerals coming out from the crusher units , however, it is mandatory to keep transit pass along-with while carrying processed material from the crusher unit as per prevailing policy norms of the Department.

12. As a result, it becomes difficult for Department to keep track of the actual quantity of minerals processed and sold by all the registered crusher units as well as contractors of CMS sites in the State. The deliberations during various consultations with the Department personnel (several internal deliberations and consultations) led to the notion of integrated IT enabled process

and technology intervention for minerals such as Sand, Gravel/Stones and Earth available in the State. The need for an integrated and sound monitoring system gains significant attention in the recent years and will be considered a necessary condition for assisting government decision makers in performing their jobs effectively, efficiently and economically. The objectives and coverage of the IT enabled system and technology interventions are enunciated in this report.

13. As the state of Punjab expands its network of available mines, it is imperative that checks and measures be put in place to ensure the mining activity is undertaken within the scope of accounting the raw as well as processed material in the State and safeguard the interest of the state exchequer. Moreover, the balance of mining activity and mineral production versus the minerals being transported/sold within the State is needed to be maintained by tracking the quantity through IT reforms. Following are the areas of intervention:

- a. Check whether the crusher units are adhering to the stipulations as per relevant clauses of prevailing policy and Rules/Act within the State.
- b. Unadulterated transport of processed material from Crusher Units to delivery point.
- c. Monitoring of illegal transportation of material in the State.

14. IT solutions and Technology Interventions are aimed in addressing the following key priorities and objectives of the Department:

- a. Better realization of revenue from available processed material in State

- b. Prevent leakage of revenue through royalty evasion attempts, pilferage or illegal sourcing of material
 - c. Checking of illegal transported material.
 - d. Generating timely, reliable and accessible revenue information
 - e. Strengthening external oversight of public expenditure linked to physical performance activities of the Department
 - f. To prevent / Control Loss of revenue due to Mineral excavation without having valid permission, expired permit/transit pass, non-levy of penalty for illegal uses of minerals etc.,
 - g. Regular surveillance and quantitative assessment of vehicles carrying minerals to avoid any multiple trips on a single transit pass.
 - h. Online registration of complaint/helpdesk mechanism.
 - i. Night Mode Surveillance of illegal activity/transportation.
 - j. Integration/Digitization of new initiatives with existing portal of Dept.
15. All Companies/Agencies/Firms registered in India having relevant experience can apply.
16. The applicants are required to submit their proposal including following:
- a. Company Profile (Registration details, Turnover of last 3 years)
 - b. Relevant Experience details
 - c. Technical Solution proposed

- d. Hardware/Software solutions used to fulfill requirements, If any
 - e. Understanding of Requirements
 - f. Approach and Methodology to implement the solution in both online and offline mode
 - g. Appx. Cost of implementation.
17. The above information is required to be submitted on or before last date as mentioned in the document in hard and soft copy (Via Email in PDF format) to department. Email ID: cemining.dwr.chd@punjab.gov.in
18. After the presentation and evaluation of proposals, a RFP shall be issued covering qualification criteria, scope of work, payment terms, and timelines and other terms and conditions of contract.
19. Conditions under which EOI is issued:
- a. This EOI is not an offer and is issued with no commitment.
 - b. Department reserves the right to withdraw/cancel the EOI and change or vary any part thereof at any stage.
 - c. Department also reserves the right to disqualify any party, should it be so necessary at any stage.
 - d. Any further action pursuant to this EOI shall ultimately be determined by department at its sole discretion.
 - e. No agreement, conversation, commitment either in writing or verbal or in any other form made by any official, agent or employee of Department shall affect or modify any of the terms of this EOI and shall not be binding on Department, unless such action is by way of Official Communication in

writing executed by the duly Authorized Officers of the Corporations.

- f. Neither the Applicant nor any of the Applicant's representatives shall have any claims whatsoever against Department or any of their respective officials, agents or employees arising out of, or relating to this EOI or these procedures (other than those arising under a definitive agreement with the Applicant in accordance with the terms thereof).
- g. Applicants who are found to canvass, influence or attempt to influence in any manner the qualification of selection process, including without limitation, by offering bribes or other illegal gratification, shall be disqualified from the process at any stage and is liable to barred from the prospective Tender if any that may evolve from the EOI.
- h. Each Applicant shall submit only one proposal and if more than one proposal received, both the proposal will be rejected.
- i. Participation in this EOI or any further discussion consequent to the submission of proposal by any party would not cast any obligation on Department to purchase the equipment/service from any Applicant or to utilize their technology.