

PLACER GOLD PROJECT			Ref: RCL/NESPAK/JQ-2260909/01
Blocks: APG-1,2,4 & 5		PRE-BID QUERIES	Date: 09 September 2026
S. No.	RFP Doc Ref.	RCL: Query / Observation / Suggestion	Clarification
1	Geophysical Studies	Questionnaire (05 pages) for Geophysical Studies (EM, ERT & IP) attached herewith for detailed	
2	Gaurantee Bonds requirement such as Bid Bond, Performance Bond, Advance Bond	in accordance with PEC bidding document and ongoing contracting in Pakistan. All the Gaurantee Bonds are allowed from an Insurance Company having atleast AA rating from PACRA in favour of the Employer valid for a period 28 days beyond	
3	Payment schedule including time of payment	Payment terms may please be clearly elaborated with time interval as PCC or Special Stipulations; commensurate with the Projects timeline. Fortnightly invoicing of actual workdone payable	
4	Advance Payment	Please review to 15% as per PEC bidding document and ongoing contracting in Pakistan.	
5	Working Hours -	Works have to be round the clock (24/7) not only to meet with timeline and accordingly supervision	
6	Fuel adjustment - HSD	The specialized works are totally mechanized hence please review component percentage. Please specify the formula of price adjustment in	
7	Contract Price adjustment for changes in cost.	Escalation: The perculating effects of fuel increase, inflation, devaluation, political instability and economic turmoil. Upcoming rainy season and budget etc. All to be taken into account. Please advise mechanism for adjustment since it	

PLACER GOLD PROJECT			Ref: RCL/NESPAK/JQ-2260909/01
Blocks: APG-1,2,4 & 5		PRE-BID QUERIES	Date: 09 September 2026
S. No.	RFP Doc Ref.	RCL: Query / Observation / Suggestion	Clarification
8	Warning Protocol: Please clarify the established warning protocols for emergency situations, such as flash floods, sudden dam/river discharges, official authority alerts, and site evacuation procedures.	Nespak will be responsible for establishment of a real-time communications channel with upstream dam authorities (Tarbela/Kabul telemetry systems) and pass on to the Contractor with 72hours prior warning notice. Rigs are structurally organized to facilitate rapid breakdown and emergency evacuation to pre-designated high-ground staging zones within a 72-hour window	
9	Provision of information and studies share	The Project area is previously explored and specific tendered Blocks studies to be shared with successful contractor	
10	Survey and demarcation	Please elaborate the mechanism with division of responsibility (DoR)	
11	Engineer's Facility (Consultant & Client) - Site offices / TSF	it is understood that all such facilities are NOT part of this Tender/Contract and will be managed at own by Client.	
12	Contractor's Facility Site offices, Camping space, temporary site facility (TSF)	TSF - We presume that the space in site phase-2 land or rest of the area would be suitable and provided by Client.	

Submitted by:
Rockwell Group

CLIENT QUESTIONNAIRE

Electrical Resistivity Tomography (ERT), Induced Polarization (IP) and Electromagnetic (EM) Survey

Purpose: This questionnaire is intended to obtain the technical, operational and reporting requirements from the Client before commencement of the proposed geophysical investigation.

A. General Project Information

1. Please provide the exact location and boundaries/KML or CAD drawings of each survey block.

Client Response: _____

2. What is the total area of each block to be investigated?

Client Response: _____

3. Please provide the accessibility and site constraints for each block, including roads, cultivated areas, buildings, water bodies, overhead power lines, pipelines, fences, etc.

Client Response: _____

4. Are there any restricted or inaccessible areas within the proposed survey blocks?

Client Response: _____

5. Please provide available geological, geotechnical, borehole, test-pit, mining, or previous geophysical data for the project area.

Client Response: _____

6. Is there any existing information regarding the expected depth?

Client Response: _____

B. 3D Electrical Resistivity Tomography (ERT)

7. Please confirm that the required ERT survey is 3D ERT, rather than conventional 2D ERT profiles.

Client Response: _____

8. Please confirm the required number of ERT survey blocks/areas and the approximate dimensions of each block.

Client Response: _____

9. What is the required investigation depth for the ERT survey?

Client Response: _____

10. What electrode spacing should be adopted? (5 m / 10 m / 15 m / Other: _____)

Client Response: _____

11. Does the Client have a preferred electrode array/configuration for the 3D ERT survey, or should the Contractor select the most appropriate configuration based on site conditions?

Client Response: _____

12. Please confirm whether the Client requires resistivity maps/slices at specified depths. If yes, provide the required depth intervals.

Client Response: _____

13. Is a 3D resistivity volume/model required for each block?

Client Response: _____

14. Please confirm whether borehole/test-pit information will be available for correlation and calibration of the ERT interpretation.

C. Induced Polarization (IP)

15. Please confirm whether IP is required across the entire ERT survey area, only over ERT/EM anomalies, or at selected locations identified by the Contractor.

Client Response: _____

16. The specification states that IP will be conducted "where required." Please confirm who will determine where IP is required and how much area should be covered: Client / Consultant / Contractor / Joint decision.

Client Response: _____

17. What specific heavy metallic minerals are expected in the project area?

Client Response: _____

18. Are any known mineralogical/geochemical results available to establish the expected chargeability characteristics of the target minerals?

Client Response: _____

19. What is the required investigation depth for IP?

Client Response: _____

20. Should IP use the same electrode layout and spacing as ERT, or can the Contractor optimize the configuration independently?

Client Response: _____

D. Electromagnetic (EM) Survey

26. Please confirm the type of EM survey required: Frequency-Domain EM (FDEM) / Time-Domain EM (TDEM) / EM conductivity mapping / Other: _____

Client Response: _____

27. Please specify the EM equipment/frequency range required, if predetermined.

Client Response: _____

28. What is the required depth of investigation for the EM survey?

Client Response: _____

29. Should EM cover the entire survey block or selected areas/anomalies?

Client Response: _____

30. The specification refers to "heavy-mineral anomalies by exhibiting the conductivity of the subsurface metallic minerals." Please confirm whether the objective is specifically to identify conductive zones associated with heavy-mineral concentrations.

Client Response: _____

31. Please provide any available information on the expected electrical conductivity/resistivity characteristics of the target heavy minerals and surrounding formations.

Client Response: _____

32. Should EM data be collected on a regular grid? If yes, specify line spacing and station spacing.

Client Response: _____

33. Are there known sources of EM interference, such as power lines, buried utilities, pipelines, metallic structures, vehicles, or fences?

Client Response: _____

E. Integration and Cross-Validation

34. Please confirm that the three methods are intended to be integrated, with EM identifying conductivity anomalies, ERT characterizing subsurface resistivity, and IP confirming chargeability anomalies where required.

Client Response: _____

35. Should the Contractor identify target zones by integrating ERT, IP and EM results rather than interpreting each method independently?

Client Response: _____

36. Does the Client require integrated anomaly maps showing areas where high/low resistivity, high conductivity, and high chargeability coincide?

Client Response: _____

37. Will the Client provide ground-truthing data, such as boreholes, pits, samples, or laboratory mineralogical/geochemical analyses, for verification?

Client Response: _____

F. Survey Accuracy, QC & Field Procedures

38. Please specify the required survey positioning accuracy (GPS/GNSS) for all ERT, IP and EM measurements.

Client Response: _____

39. Is RTK/DGPS positioning required?

Client Response: _____

40. Please confirm the required quality-control criteria, including contact resistance limits, percentage of rejected measurements, repeat measurements, noise levels, and data coverage.

Client Response: _____

41. Are there any Client-specific requirements for field repeat measurements and independent QC checks?

Client Response: _____

42. Should all raw data be submitted in the native instrument format in addition to processed data?

Client Response: _____

G. Data Processing & Interpretation

43. Which software/platform is preferred or required for ERT inversion, IP inversion, EM processing, and 3D visualization?

Client Response: _____

44. Is 3D inversion/modeling mandatory for the ERT/IP data?

Client Response: _____

45. What minimum horizontal and vertical resolution is required?

Client Response: _____

46. Should the interpretation include 2D sections, horizontal depth slices, 3D voxel/block models, isosurfaces, integrated anomaly maps, or all of the above?

Client Response: _____

47. Please confirm the required depth intervals for horizontal resistivity, chargeability and conductivity maps.

Client Response: _____

48. Does the Client require GIS-compatible outputs, such as Shapefile, GeoTIFF, XYZ/CSV or KMZ/KML?

Client Response: _____

H. Reporting & Deliverables

49. The specification states "Complete Geophysical Studies Report of each block separately." Please confirm that a separate report is required for each block.

Client Response: _____

51. Should each block report contain the following: executive summary; site description; survey methodology; survey layout/grid; field photographs; instrumentation; field QC; raw-data statistics; ERT results; IP results; EM results; integrated interpretation; anomaly maps; geological interpretation; conclusions and recommendations?

Client Response: _____

52. Please specify the required map scale and drawing format.

Client Response: _____

53. Are CAD/GIS files required in addition to the report?

Client Response: _____

54. Does the Client require raw, processed, and inverted datasets for ERT/IP/EM?

Client Response: _____

55. Please confirm the required number of hard and soft copies of the final reports.

Client Response: _____

I. Review & Incorporation of Comments

56. The specification states that comments shall be incorporated "by all means." Please clarify whether this means that the Contractor shall provide revisions following review comments from the Client/Consultant.

Client Response: _____

57. How many rounds of technical review and report revision are included in the scope?

Client Response: _____

58. Who will provide the consolidated comments: Client / Consultant / Project management team / All stakeholders?

Client Response: _____

59. What is the expected turnaround time for incorporating comments after receipt?

Client Response: _____

J. Critical Clarifications Before Mobilization

No.	Item Requiring Confirmation	Client Response
1	Exact survey blocks and boundaries	
2	3D ERT investigation depth	
3	ERT electrode spacing	
4	Required ERT array/configuration	
5	IP coverage: full area or anomaly-based	
6	Type of EM survey and required depth	
7	Expected heavy-mineral target/mineralogy	
8	Required survey grid/line spacing	
9	Required data formats and GIS deliverables	
10	Number of report review/revision cycles	

Note: Clarification of the above items is recommended before finalizing the survey design, equipment configuration, field duration, pricing, processing methodology and reporting scope.