



SECTION 7 ELIGIBILITY AND QUALIFICATION CRITERIA



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This section contains all the criteria that MRIDC will use to evaluate Bids and qualify Bidders through post-qualification. No other factors, methods or criteria shall be used other than specified in this bidding document. The Bidder shall provide all the information requested in the forms included in Annexures.

7 Evaluation

7.1 Adequacy of Technical Proposal

Evaluation of the Bidder's Technical Proposal will include an assessment of the Bidder's technical capacity i.e. experience of having executed similar nature of work as detailed in the following paras.

7.2 TECHNICAL ELIGIBILITY CRITERIA:

7.2.1 The Consultant should have successfully completed the Detailed Design Consultancy services for:

- a. Design of High-Speed Railway Tunnel for an Operational Speed equal to or more than 250kmph (both Civil and E&M Design) of at least one tunnel of minimum 4000m length **or** two tunnels having total length of minimum 5000m, out of which one tunnel should be of minimum 2500m length.

and

- b. Design of any tunnel(s) by NATM method having finished diameter more than or equal to 7m (or finished area more than or equal to 40sqm) of at least one tunnel of minimum 4000m length or two tunnels of minimum 2500m length each.

The similar Detailed Design & Engineering work fulfilling above criteria should have been successfully completed, approved by the competent authority and construction work should have completed/substantially completed/partly completed (approx. 2000m of tunnel construction should have been completed) in last 25 years, ending last day of month, previous to the month in which Tender is invited, in India or Foreign country. All length mentioned herein should be continuous length.

7.2.2 The Consultant has to submit certificate duly verified by Client that Detailed Design & Engineering work of the tunnels have been successfully completed and actual construction work should have completed/substantially completed/ partly completed (approx. 2000m of tunnel excavation should have completed) fulfilling the above criteria.



The client's certificate should inter- alia indicate the date of award, scheduled date of completion, actual date of start and completion, length of tunnel, methodology of tunnel execution & excavated cross sectional area of tunnel.

Successfully completed: It shall mean, that the Detailed Design & Engineering work must be satisfactorily completed in all respect and approved by the competent authority.

7.3 MINIMUM ELIGIBILITY CRITERIA FOR KEY PERSONNEL:

Sr. No.	Position	No. of Staff	Qualification	Experience
1	Team Leader	01	<ul style="list-style-type: none"> - Graduate in Civil Engineering or equivalent - Post Graduate in either of the Following <ul style="list-style-type: none"> <input type="checkbox"/> Geotechnical Engineering <input type="checkbox"/> Tunnel Engineering <input type="checkbox"/> Rock Mechanics <input type="checkbox"/> Structural Engineering 	At least 20 years of Civil Engineering profession, out of which <ul style="list-style-type: none"> - Minimum 15 years of Implementation experience in Tunnelling works. <ul style="list-style-type: none"> <input type="checkbox"/> Should have successfully completed the detailed design of High-Speed Railway Tunnel for an Operational Speed equal to or more than 250kmph of at least one tunnel of minimum 3000m length or two tunnels of minimum 2000m length each. and <input type="checkbox"/> Should have detailed design experience in any tunnel(s) by NATM method having finished diameter more than or equal to 7m (or finished area more than or equal to 40sqm) of at least one tunnel of minimum 3000m length or two tunnels of minimum 2000m length each.
2	Senior Tunnel Design Engineer	01	<ul style="list-style-type: none"> - Graduate in Civil Engineering or equivalent - Post Graduate in either of the Following <ul style="list-style-type: none"> <input type="checkbox"/> Geotechnical Engineering 	At least 15 years of Civil Engineering profession, out of which <ul style="list-style-type: none"> - Minimum 10 years of Implementation experience in Tunnelling works. <ul style="list-style-type: none"> <input type="checkbox"/> Should have successfully completed the detailed design of High-Speed Railway Tunnel for an Operational Speed equal to or more than 250kmph of atleast one tunnel of



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			<input type="checkbox"/> Tunnel Engineering <input type="checkbox"/> Rock Mechanics <input type="checkbox"/> Structural Engineering	minimum 2000m length or two tunnels of minimum 1500m length each. and <input type="checkbox"/> Should have detailed design experience of any tunnel(s) by NATM method having finished diameter more than or equal to 7m (or finished area more than or equal to 40sqm) of at least one tunnel of minimum 2000m length or two tunnels of minimum 1500m length each.
3	Tunnel Design Engineer	02	- Graduate in Civil Engineering or equivalent - Post Graduate in either of the Following <input type="checkbox"/> Geotechnical Engineering <input type="checkbox"/> Tunnel Engineering <input type="checkbox"/> Rock Mechanics <input type="checkbox"/> Structural Engineering	At least 12 years of Civil Engineering profession, out of which - Minimum 8 years of Implementation experience in Tunnelling works. <input type="checkbox"/> Should have detailed design experience of any tunnel(s) by NATM method having finished diameter more than or equal to 7m (or finished area more than or equal to 40sqm) of at least one tunnel of minimum 3000m length or two tunnels of minimum 2000m length each.
4	Senior Geologist/ Geotechnical Engineer	01	-Post Graduate in Geology / Geotechnical Engineering	At least 20 years of professional experience out of which: - Minimum 15 years of experience in Tunnelling works comprising. - Should have worked in at least 1 Tunnel of length more than 3000 m by NATM approach or similar, for which excavation work should have been successfully completed. OR - Should have worked in at least 2 Tunnels of length more than 2000 m by NATM approach or similar, for which excavation



Sr. No.	Position	No. of Staff	Qualification	Experience
				work should have been successfully completed.
5	Geologist/ Geotechnical Engineer	01	-Post Graduate in Geology / Geotechnical Engineering	At least 15 years of professional experience out of which: - Minimum 10 years of experience in Tunnelling works comprising. - Should have worked in at least 1 Tunnel of completed excavation length more than 2000 m by NATM approach or similar OR - Should have worked in at least 2 Tunnels of completed excavation length more than 1000 m by NATM approach or similar
6	Quantity Surveyor	01	- Graduate in Civil Engineering or equivalent	Minimum 10 years of experience in Quantity survey for Rail line / Road / Metro projects
