

PROJECT REPORT

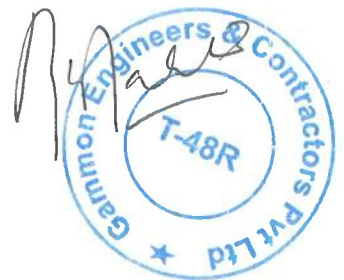
FEASIBILITY REPORT
OF
STONE QUARRY FOR THE CONSTRUCTION OF BALANCE
WORKS OF TUNNEL T-48 (BETWEEN KM 100+000 TO
110+200 APPROX.) ON KATRA-BANIHAL SECTION OF
UDHAMPUR-SRINAGAR-BARAMULLA NEW BG RAILWAY
LINE PROJECT

BEING EXECUTED
BY
GAMMON ENGINEERS AND CONTRACTORS PVT. LTD.
(GECPL)
AT
VILLAGE HAROG, DISTRICT RAMBAN (J&K)



SALIENT FEATURES:

- 1 Applicant : Gammon Engineers and Contractors Pvt Ltd
- 2 Applicant address : Village Haroog, Tehsil & District Ramban (J&K)
- 3 Line of Activity : Construction of balance work Tunnel T48-R
(Between 100.00 to 110.200 approx.) on Katra-Banihal section of Udhampur-Srinagar-Baramulla New BG Railway Line Project (Package T-48-R)
- 4 Client : NORTHERN RAILWAY
- 5 Employer : IRCON INTERNATIONAL LTD.
(A Govt. of India undertaking)
- 6 Place : Near Jawari, Sumber, T48-R Forest Comptt. No: 05
Beat Sumber.
- 7 UT District, Town/Village : Ramban, Sumber, Jammu & Kashmir
- 8 Duration of quarry operation : Till completion of Pkg, T48-R



INTRODUCTION

Gammon Engineers and Contractors Pvt Ltd having certification of ISO 14000:2015, ISO 9001:2015 & ISO 45001:2018 C/O GAMMON ENGINEERS AND CONTRACTORS PVT LTD., Gammon House, Veer Savarkar Marg, Prabhadevi, Mumbai - 400025 has been awarded **“Construction of Balance works of Tunnel T-48(between KM 100+000 to 110+200 Approx.) on Katra-Banihal section of Udhampur-Srinagar-Baramulla New BG Railway Line Project”** by M/s IRCON International Ltd. vide letter no. IRCON/J&K Cell/JAT/14/1014/K-B/Pkg: T-48R/369/8704 dated 30.08.2017.

The above said project is prestigious project of national importance in district Ramban of UT of Jammu and Kashmir and to complete the project requirement, Gammon Engineers and Contractors Pvt Ltd hereby proposes to operate stone quarry at near Jawari, Sumber village haroog Tehsil and District Ramban in forest block Sangaldan compartment No 6.

Gammon Engineers and Contractors Pvt has completed & commissioned numbers of prestigious project all over India and abroad. The Company has carried out major projects under infrastructure sector such as Railways, Roads & Highways, Bridges, Nuclear power Plants, Hydro Power Plants, Tunnels etc. and has extensive knowledge and know how in the field of construction work.

It is pertinent to mention that for the timely construction of above said Railway Project, the quality and quantity of coarse and fine aggregate required is not available in & around the project area &/or is not sufficient in available quarry.

We approached to district higher authorities to identify & provide suitable land for quarry operation in an around the project area. Subsequently, they conveyed that no revenue land is available in this area & have identified forest land for quarry operation. Then after joint survey with forest official was carried out.

In DPR made by railway /Ircon, it is envisaged that 45% of total Excavated material from tunnelling shall be suitable for the production of aggregate & remaining materials shall be made available from the available quarry in and around the project area.

However, it is observed that excavated material from on-going tunnelling work is not fit for the quality of the boulders and it is suitability for aggregate production as per technical specification. As mentioned, from proposed quarry we can produce approx. 1,02,177 m³ from the construction of material and anticipated that remaining requirement may meet from the excavated material of tunnel as indicated in geological map & section provide by Railway.

1. It is pertinent to mentioned that huge quantity of good quality of aggregate are required for the timely completion of this prestigious project and without good quality of raw materials as per technical specification of the underground work cannot be met.

2. Enhancement in scope of work: - To meet the targets sets by L.G, (J&K) UT and to expedite completion program of the on-going work, boulder procurement has become utmost important.

3. Availability of approved quality material is not sufficient in the vicinity of the project area & it is also not feasible as per technical specification of contract.

4. All possibilities have been explored, but this much huge quantity of raw material for aggregate is not available in the nearby project area to meet the requirement.



5. We have envisaged that 35-40% of the total quantity raw material will be available from the tunnel excavated material as per the Geological report /data and 40 - 60 % of quantity for the production of aggregate will have to be arranged from stone quarry. So, additional stone quarry for the production of aggregate is of utmost importance and necessary permission from competent authorities has to be obtained.

6. Keeping in view of the above, forest land has been identified for stone quarry which is within the project site approx. 0.63 hectare near Jawari, Sumber in the forest compartment no. 6 (total proposed area 0.63 hectare at village sumber Tehsil and District Ramban).

For **Gammon Engineers & Contractors Pvt Ltd.**


Bikramjit Singh Sahota
Project Director

