

Ministry of Physical Infrastructure and Transport
Department of Roads
Quality Research and Development Center
Chakupat Lalitpur

Addendum No. 2

Date: 30th July 2021

Project Name: Siddababa Tunnel Project [Planning, Design, Engineering, Procurement, Construction, Commissioning and Five Years of Service Operation & Maintenance of One Double Lane Standard Highway Tunnel, Rock shed Structure, Rock Fall Mitigation and Road Works of Siddababa Tunnel Project on Engineering Procurement Construction (EPC) basis all complete]

Contract No.: DOR_QRDC/EPC/ICB/STP/077/78-05

This Addendum No.2 to the Bid Document has been issued in accordance with Clause 8 of Instruction of Bidders included as a part of Bidding Document for the above contract package. The amendments made in the Bidding Document are as follows:

S. N	Original Provision	Amended Provision
1	Section VI- Employers Requirement, Sub Section IV. Project Component and Its Specific Requirement, 1.1 Major Features of the Project, 1.1.1 Road Improvements	Section VI- Employers Requirement, Sub Section IV. Project Component and Its Specific Requirement, 1.1 Major Features of the Project, 1.1.1 Road Improvements Add the following paragraph at the end, The drain shall be constructed using M30 RCC Pre-cast Concrete with minimum width of 120 cm including utility duct. The pavement thickness for MR1, MR2 Road-shed approach shall consist of minimum 265 mm subbase, 200 mm Bituminous Macadam, Penetration Macadam 50 mm, and asphalt wearing course 50 mm. For Rock-shed, the wearing course shall be minimum of 50 mm asphalt wearing course.

		Minimum Length of Concrete Retaining Walls with Anchors envisaged (anchor of diameter 25mm and 32mm in combination, depth of anchor minimum 10m): For MR1: 580 m length For MR2: 365 m length For Rock Shed area: 350 m length
2	Section VI- Employers Requirement, Sub Section IV. Project Component and Its Specific Requirement, 1.1 Major Features of the Project, 1.1.2 Environmental Protection Measures: Hydraulic Regimentation Measures	Section VI- Employers Requirement, Sub Section IV. Project Component and Its Specific Requirement, 1.1 Major Features of the Project, 1.1.2 Environmental Protection Measures: Hydraulic Regimentation Measures Add the following paragraph at the end, The minimum number of cross drainage structure envisaged: MR1: 6 Nos MR2: 6 Nos Rock-shed area: 10 Nos
3	Section VI- Employers Requirement, Sub Section IV. Project Component and Its Specific Requirement, 1.1 Major Features of the Project, 1.1.3 Environmental Protection Measures: Mitigation Measures for Rock Fall (Medium and Low Risk Areas)	Section VI- Employers Requirement, Sub Section IV. Project Component and Its Specific Requirement, 1.1 Major Features of the Project, 1.1.3 Environmental Protection Measures: Mitigation Measures for Rock Fall (Medium and Low Risk Areas) Add the following paragraph at the end, Minimum quantity for Rock Slope Protection envisaged; ➤ Techo Mesh and Shotcrete with anchors with bolt diameter of 32/28/25 mm in combination (depth of anchor minimum 16 m): - MR1=6100 sqm - MR2 = 6500 sqm - Rock Shed area= 3900 sqm ➤ Barrier Type GEOBRUGG RXE 2000 or similar - MR1=550 sqm ➤ Barrier Type GEOBRUGG RXE 3000 or similar - MR2=750 sqm ➤ Barrier Type GEOBRUGG RXE 5000 or similar - MR1= 1350 sqm - MR2= 1215 sqm

Amr 2

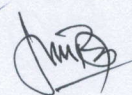
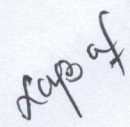
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		➤ Scaling of unstable blocks MR1=16000 sqm
4	Section VI- Employers Requirement, Sub Section IV. Project Component and Its Specific Requirement, 1.1 Major Features of the Project, 1.1.4 Road Tunnel and Rock Shed for Rock Fall (High Risk Areas)	Section VI- Employers Requirement, Sub Section IV. Project Component and Its Specific Requirement, 1.1 Major Features of the Project, 1.1.4 Road Tunnel and Rock Shed for Rock Fall (High Risk Areas) Add the paragraph at the end, The minimum thickness of wearing course for tunnel pavement shall be 25 cm of M30 grade concrete.
5	Technical Requirement and Technical Specification, Employers Requirements: Technical Specification, 2.3.5 Office, Facilities, Safety and Security for Engineer and Employers Staff	Technical Requirement and Technical Specification, Employers Requirements: Technical Specification, 2.3.5 Office, Facilities, Safety and Security for Engineer and Employers Staff Add the following paragraph at the beginning, "The Contractor shall provide separate office facilities and accommodation for Employers Representative and Employer. The office facilities and accommodation shall be designed for 5 executive and 3 supporting staff of the Employer and 7 executive and 3 supporting staff from the Employers Representative."
6	Technical Requirement and Technical Specification, Employers Requirements: Technical Specification, 2.3.7 Permanent/Temporary Camps-Key Requirement for Engineer's and Employers Camp 2.3.7.2 Design and Construction Requirements	Technical Requirement and Technical Specification, Employers Requirements: Technical Specification, 2.3.7 Permanent/Temporary Camps-Key Requirement for Engineer's and Employers Camp 2.3.7.2 Design and Construction Requirements B) Sanitary Facilities Add the following line at the end, The toilet and sanitary facilities for Employers Executive shall be designed and constructed on non-sharing basis. Add the following sub clause, A1) Room requirements for the Office for Employer shall be with the plinth area of approximately 150 sq m with four (4)

	rooms plus meeting hall, pantry and toilet bathroom with HVAC System. Room requirements for the office for Engineers Representative shall be with the plinth area of approximately 225 sq m with four (6) rooms plus meeting hall, pantry and toilet bathroom with HVAC System. G) The Contractor shall maintain the buildings and the contents thereof supplied under the Contract in good working order. The Contractor shall be responsible for supplying all power, water and telephone services to the office and accommodation, and shall meet all costs for these services, except for the cost of any overseas calls. A standby generator of specified capacity is required at both office and accommodation to provide a continuous supply of power during the period of load shedding and power failure. The Maintenance of the Employer's office and accommodation shall include daily cleaning to the satisfaction of the Employer and including the manpower and materials required for. The Contractor shall maintain all grounds and gardens that surround the building to the satisfaction of the Employer. The Contractor shall maintain in good condition, provide services regularly and repair or replace all items of furniture, fittings and equipment supplied and installed in the buildings as required. The Contractor shall provide adequate security to guard and secure the buildings on a 24 hours per day basis. The Contractor shall provide stationery for the Employer as required and duly requisitioned by personnel authorized by the Employer. Stationery shall include all consumable office items and shall include paper, writing materials, printing materials (e.g., printer cartridges, printer ribbons, copier toner etc.) and all general office requisites. Likewise, the Contractor shall supply all
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		other consumables for office and accommodation as required and provisioned in the Contract. H) The contractor shall provide the list of essentials as per attached annex U and V and shall remain the property of Employer upon completion of Project.
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Annex U: Furniture and Equipment for the Office of the Employer

S.N	Item	Description	Unit	Quantity
No 1.	Executive table	750 mm x 1500 mm with two drawers on either side	No	5
2.	Clerk table	750 mm x 1250 mm with two drawers on either side	No	3
3.	Typist/Secretary table	750 mm x 1250 mm with two drawers on one side	No	1
4.	Computer table	Purpose made	No	3
5.	Conference Table	1250 mm x 3000 mm	No.	1
6.	Cushion Chairs		No.	4
7.	Arm Chairs with cushion		No	10
8.	Typist Chairs with cushion		No	1
9.	Swivel Chairs		No.	3
10.	Steel Almirah	2.0 m high x 1.0 m wide x 0.35m deep with shelves and two doors	No	3
11.	Steel Filling Cabinet	With four drawers	No.	3
12.	Book Shelves	1 m x 2 m x 0.3 m 3 shelves	No.	3
13.	Gas Heater with cylinders	3 Kw	No	3
14.	Electric Heater	3 Kw	No.	3
15.	Office Safe	0.125 cum. Secured to the building	No.	1
16.	Bulletin Board	1.2 m x 2.4 m	No	1
17.	White Magic Board	1.5 m x 1.0 m	No.	1

18.	Telephone System EPABX	One independent outside line	No	1
19.	Cell Phone(Flagship model)	Complete Set with SIM	No.	3
20.	Diesel Generator/Solar	Sound Proof min 15 KVA	No.	1
21.	3 in 1 Printer, photocopier and scanner	A3 LaserJet Printer or equivalent complete with connecting cables, software etc.	No	1
22.	Stapler	No 56-size heavy duty	No.	1
23.	Punch	2 holes heavy duty	No.	2
24.	Pencil Sharpener	Table Type	No.	4
25.	Camera	Automatic Digital Camera with 10 x Zoom, UV filter, power flash and carrying case with extra 64 GB memory stick	No	3
26.	Scientific Calculator		No.	3
27.	Commercial		No.	2
28.	Office Bag		No.	4
29.	Rain Coats		No.	4
30.	Desktop Computer of Acceptable Brand	Processor: Core i7, 11 th Generation or above, Memory: - 16 GB or above, Hard Drive: -1 TB SSD or above, Mouse: -USB Optical Mouse, Keyboard: -USB Standard, Monitor: - 18.5" wide LCD Monitor	No	3
31.	Flat Bed Scanner	Cannon Scan D646UeX	No.	1
32.	Laptop	Processor: -Core i7, 11 th Generation or above, Display: - 14" Diagonal Bright view Widescreen Display, Memory: - 8 GB or above, SSD: - 1TB or above, Power backup: minimum 6 Cell Battery	No	2
33.	External hard drive	4 TB Capacity	No.	4
34.	Color Printer	A4 size, HP color, LaserJet 2600 or equivalent	No	1
35.	UPS	500 VA, Uninterrupted Power Supply for the above computer equipment	No	3
36.	Switch and Server	Network Hub, Lintec Fe 2400 R	No.	1

37.	Networking for 6 nos		No.	1
38.	Air Conditioner	1.5-ton capacity	No.	5
39.	Electric Fan		No.	4
40.	Fire Extinguisher		No.	2
41.	First Aid Box		No.	1
42.	Filing Trays		No.	4
43.	Stationery	Provision of Consumable Items	No.	As required
44.	Waste Paper Basket		No.	4
45.	Refrigerator	8 cu.ft Capacity	No.	2
46.	Gas Hub	With two gas rings complete with two gas cylinders	No	1
47.	Cooking Utensils	Complete Sets	No.	1
48.	Sink Unit Double Basin	With cold water taps and waste water outlet	No.	1
49.	Crockery	Complete set for 12 persons	No.	1
50.	Cutlery	Complete set for 12 persons	No.	1
51.	Tea Service	Complete set for 24 persons	No.	1
52.	Electric Kettle	2 Liter capacity	No.	1
53.	Emergency Lantern	Rechargeable	No.	4
54.	Doormats	Complete Set	No.	1
55.	Curtains	Complete Set	No.	1
56.	Cleaning Equipment Toilets	Complete Set	No	1
57.	Cleaning Equipment Kitchen	Complete Set	No	1
58.	Micro oven (25 litre)	Complete Set	No.	1
59.	Multi-media	Complete Set with screen and stand	No.	1

Annex: V

List of Documents

1. 695013-D-A-R-D-002.
2. 695013-D-A-R-D-003
3. 695013-D-A-R-D-004
4. 695013-D-A-R-D-005
5. 695013-D-A-R-D-006
6. 695013-D-A-R-D-007
7. 695013-D-A-R-D-008

8. 695013-D-A-R-D-010
9. 695013-D-A-C-D-036
10. 695013-D-A-C-D-037
11. 695013-D-A-C-D-038
12. 695013-D-A-C-D-039
13. 695013-D-A-C-D-040
14. 695013-D-A-R-D-050
15. 695013-D-A-R-D-009
16. 695013-D-A-C-D-022
17. 695013-D-A-C-D-023
18. 695013-D-A-C-D-024
19. 695013-D-A-C-D-028
20. 695013-D-A-C-D-032
21. 695013-D-A-C-D-033
22. 695013-D-A-C-D-035
23. 695013-D-A-C-D-036
24. 695013-D-A-C-D-037

✓ @ (M) 2008/08/08