

HARYANA RAIL INFRASTRUCTURE DEVELOPMENT CORPORATION LIMITED

(A Joint Venture Govt. of Haryana and Ministry of Railways)

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Tender No.: HORC/HRIDC/C-4/2022

Date: 21.01.2023

Reference: Specific Procurement Notice dated 04.11.2022.

CORRIGENDUM NO. 6

Name of Work: C-4: Composite Contract package in connection with New BG Railway Line of HORC project for:

- (i) Design & Construction of Twin Tunnel using NATM and Cut & Cover method from km 24.850 to km 29.580;
- (ii) Design & Installation of Ballastless Track (excluding supply of rails) from km 24.843 to km 29.680;
- (iii) Detailed Design, Supply, Installation, Testing & Commissioning of General Electrical Services including Supply, Erection, Testing and Commissioning of 11kV HT/LT Power and Control Cable Network, GIS Substation (11/0.433) kVA, Tunnel lighting system, etc. from km 24.843 to km 29.680;
- (iv) Design & Construction of Embankment, Bridges and other miscellaneous works from km 12.00 to km 18.00

S. No.	Tender Document Part / Section/ Clause No.	Description of Existing Clause	Modified Description of Existing Clause / New Clause
1.	Corrigendum No. 4, Final Tender Document, Part 1, Section II- Tender Data Sheet, ITT 19.3, Third Para	The Issuing Bank shall send the SFMS to: Beneficiary: Haryana Rail Infrastructure Development Corporation Limited Bank Name: State Bank of India Branch: HNI Branch, Chandigarh IFSC Code: SBIN0018249	The Issuing Bank shall send the SFMS to: Beneficiary: Haryana Rail Infrastructure Development Corporation Limited Bank Name: State Bank of India <i>Account Number: 38848977231</i> Branch: <i>SME Branch, Sector 8, Chandigarh</i> IFSC Code: <i>SBIN0011705</i>

S. No.	Tender Document Part / Section/ Clause No.	Description of Existing Clause	Modified Description of Existing Clause / New Clause
2.	Corrigendum No. 4, Final Tender Document, Part 2, Section VII-2: Functional (Civil & BLT), Sub-Clause 2.1.1 (a)	a) Design and construction of Cut & Cover Tunnels from Ch. 28480 m to Ch. 29580 m including drainage arrangements for catering to surface run off from open cutting of about 1340 m length as shown in Tender drawings.	a) Design and construction of Cut & Cover Tunnels from Ch. 28480 m to Ch. 29580 m including drainage arrangements for catering to surface run off from open cutting of about 1340 m length as shown in Tender drawings. <i>After construction of tunnel, the balance excavated portion shall be backfilled by using excavated soil to generally restore the existing ground profile. Backfilling shall be done in layers of about 300 mm thickness and mechanically compacted so as to achieve field density of minimum 95% of MDD.</i>
3.	Corrigendum No. 4, Final Tender Document, Part 2, Section VII-2: Functional (Civil & BLT), Sub-Clause 2.1.1, Note 1	1. Excavated earth/rock from tunnelling/cutting shall be property of the Contractor. Royalty for using the excavated earth/rock for construction of the Works shall be borne by the Contractor. Surplus excavated earth/rock from tunnel shall be disposed off by the Contractor at his own cost.	1. <i>Deleted</i>
4.	Corrigendum No. 4, Final Tender Document, Part 2, Section VII-2: Functional (Civil & BLT), Sub-Clause 2.1.3, a), Second para	Excavated earth/rock from cutting/tunnelling shall be utilised for formation in embankment/structures in C-4 Package. Royalty for using the excavated earth/rock for construction of the Works shall be borne by the Contractor. Surplus/unsuitable excavated earth/rock shall be disposed off by the Contractor at his own cost.	<i>Deleted</i>
5.	Corrigendum No. 4, Final Tender Document, Part 2, Section VII-2: Functional (Civil & BLT), Sub-Clause 2.1.21		<p>Add new Sub-Clause 2.1.22 at the end of Sub-Clause 2.1.21.</p> <p><i>2.1.22 Use of excavated soil/rock under Schedule 'A'</i></p> <p><i>Table: Use of excavated soil/rock under Schedule 'A'</i></p>

S. No.	Tender Document Part / Section/ Clause No.	Description of Existing Clause	Modified Description of Existing Clause / New Clause		
			S. No.	Source of Excavated soil/rock material	Utilization of excavated soil/rock material
			1	<p>Excavated soil released from the following:</p> <p>(i) Permanent Ventilation Shafts and Construction cum Utility Shaft</p> <p>(ii) NATM tunnel and cross passages in soil,</p> <p>(iii) Cut & Cover tunnel</p> <p>(iv) Open cutting near Portal P-2</p>	<p>Excavated soil shall be utilized for the following:</p> <p>(i) Backfilling of balance excavated portion of Cut & Cover tunnel and shafts (if required) so as to generally restore the original ground profile.</p> <p>(ii) Railway formation in embankment between Ch. 12000 m to Ch. 18000 m.</p> <p>(iii) After completing item no. (i) and (ii) above, surplus excavated soil shall be dumped either between HORC Chainage 18000 m to 20000 m or any other location on HORC land within approximate lead of 15 km as per the instructions of the Engineer.</p> <p>Notes:</p> <p>1. The Contractor shall submit calculations to the Engineer for approval for excavated soil specifying the quantity to be used in the Works and the surplus quantity to be dumped before start of the excavation.</p> <p>2. Royalty and any other taxes payable for use of excavated soil and dumped soil shall be borne by the Contractor.</p>

S. No.	Tender Document Part / Section/ Clause No.	Description of Existing Clause	Modified Description of Existing Clause / New Clause								
			2.	<i>Excavated rock released from NATM tunnel in rock under Schedule 'A'</i>	<p><i>Excavated rock shall be utilized for the following in accordance with Employer's Requirements-Outline Construction Specifications:</i></p> <ul style="list-style-type: none"> <i>(i) for making aggregates for concreting work in C-4 package</i> <i>(ii) for making blanketing material for railway formation in C-4 package</i> <i>(iii) for fill in embankment for railway formation in C-4 package.</i> <i>(iv) unsuitable rock material for Item Nos. (i), (ii) and (iii) above shall be disposed off by the Contractor at his own cost.</i> <p><i>Note: Royalty and any other taxes payable for use/disposal of excavated rock shall be borne by the Contractor.</i></p>						
6.	Corrigendum No. 4, Final Tender Document, Part 2, Section VII-2: Functional (Civil & BLT), Sub-Clause 2.2		<p>Add new Sub-Clause 2.2.1 at the end of Sub-Clause 2.2 2.2.1 Use of excavated rock under Schedule 'B'</p> <p style="text-align: center;"><i>Table: Use of excavated rock under Schedule 'B'</i></p> <table border="1" data-bbox="1279 1098 2170 1431"> <thead> <tr> <th data-bbox="1279 1098 1357 1209">S. No.</th> <th data-bbox="1357 1098 1603 1209">Source of Excavated rock material</th> <th data-bbox="1603 1098 2170 1209">Utilization of excavated rock material</th> </tr> </thead> <tbody> <tr> <td data-bbox="1279 1209 1357 1431">1.</td> <td data-bbox="1357 1209 1603 1431"><i>Excavated rock (near Portal-P1) from cutting in rock under Schedule 'B'.</i></td> <td data-bbox="1603 1209 2170 1431"><i>Rock cutting for construction of Portal P-1 for both UP and DN lines including protection arrangements shall be paid under Item Nos. 011010 of Schedule 'B1'. Excavated rock against Item Nos. 011010 of Schedule 'B1' shall be utilized for the</i></td> </tr> </tbody> </table>			S. No.	Source of Excavated rock material	Utilization of excavated rock material	1.	<i>Excavated rock (near Portal-P1) from cutting in rock under Schedule 'B'.</i>	<i>Rock cutting for construction of Portal P-1 for both UP and DN lines including protection arrangements shall be paid under Item Nos. 011010 of Schedule 'B1'. Excavated rock against Item Nos. 011010 of Schedule 'B1' shall be utilized for the</i>
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				<p><i>following in accordance with Employer's Requirements-Outline Construction Specifications:</i></p> <p><i>(i) for making aggregates for concreting work in C-4 package</i></p> <p><i>(ii) for making blanketing material for railway formation in C-4 package</i></p> <p><i>(iii) for fill in embankment for railway formation in C-4 package.</i></p> <p><i>(iv) unsuitable rock material for Item Nos. (i), (ii) and (iii) above shall be disposed off by the Contractor at his own cost.</i></p> <p>Notes:</p> <p><i>1. A deduction @ INR 300.00 per cum will be made from the Contractor's bills for the quantity paid against Item Nos. 011010 of Schedule 'B1' for use/disposal of excavated rock.</i></p> <p><i>2. Royalty and any other taxes payable for use/disposal of excavated rock shall be borne by the Contractor.</i></p>
7.	Corrigendum No. 4, Final Tender Document, Part 2, Section VII-6: Outline Construction Specifications (OCS)-Civil and BLT, Sub-Clause 8.15.4	<p>8.15.4 Royalties</p> <p>Soil or rock spoils such as stones, boulder, pebbles, gravels etc. available from excavation, if are found suitable for use in works as per required specifications, can be used free of cost but the legally payable royalty and taxes are to be paid by contractor to the concerned authorities.</p>	<p>8.15.4 Royalties</p> <p>Soil or rock spoils such as stones, boulder, pebbles, gravels etc. available from excavation <i>under Schedule 'A'</i>, if are found suitable for use in works as per required specifications, can be used free of cost but the legally payable royalty and taxes are to be paid by contractor to the concerned authorities.</p>	

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8.	Corrigendum No. 4, Final Tender Document, Part 2, Section VII-7: General Electrical Services, Sub-Clause 1.1.1, Items of Works, Note 2	<i>2) Deleted</i>	<i>2) Design and construction/Installation of ventilation system of tunnels is not in the scope of C-4 Package.</i>
9.	Corrigendum No. 4, Final Tender Document, Part 2, Section VII-7: General Electrical Services, Sub-Clause 1.1.1, Items of Works, Note 3	<i>3) Deleted</i>	<i>3) The requirement of electrical load for each substation shall be assessed for all equipment (except Ventilation system) for taking new 11 kV HT connections from DISCOM.</i>
10.	Corrigendum No. 4, Final Tender Document, Part 2, Section VII-7: General Electrical Services, Sub-Clause 6.6.1	<p>The UPS units (Uninterruptible power supply) will be installed with two hours (120 minutes) autonomy period as required to guarantee that following plants/ equipment can be supplied power in case of main power failure:</p> <ul style="list-style-type: none"> a. Tunnel emergency lighting b. Emergency call system c. Signs, escape route lighting and orientation signage, other sign guidance d. Public address & sound system (if Available) e. Integrated tunnel control system (SCADA) f. Other emergency requirement g. Fire detection and fire alarm system 	<p>The UPS units (Uninterruptible power supply) will be installed with two hours autonomy period as required to guarantee that following plants/ equipment can be supplied power in case of main power failure:</p> <ul style="list-style-type: none"> a. Tunnel emergency lighting b. Signs, escape route lighting and orientation signage, other sign guidance

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11.	Corrigendum No. 4, Final Tender Document, Part 2, Section VII-9: Appendices, Appendix-2, Note at the end of Table for Contract Key Date and Completion Date	Note- Delay damage recovered for not achieving Key Date-18 shall not be returned to the Contractor even if the entire Works are completed within the stipulated Time for Completion.	Notes- <ol style="list-style-type: none"> 1. Delay damage recovered for not achieving Key Date-18 shall not be returned to the Contractor even if the entire Works are completed within the stipulated Time for Completion. 2. <i>Key Dates 3, 4 & 5 pertain to construction of shafts to enable the Contractor to start excavation of tunnels and do not include work of roofing system, staircases etc.</i>