



DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.
 A Govt. of India (Ministry of Railways) Enterprise
 Chief General Manager, Dedicated Freight Corridor Corporation of India Ltd.,
 7th Floor, Central Railway, New Administrative Building, D. N. Road,
 Mumbai - 400001, Tel. 022-22634185, Tel/Fax 022-22634184

CORRIGENDUM No.-2

Name of Work: Execution of balance Works for 2x25 kV High Rise OHE in JNPT-Vaitarna Section of DFCCIL in CGM/Mumbai South Unit (102 Km)

Corrigendum to Tender No. MUM(S)/EL/405/OHE Balance Works/JNPT-Vaitarna

S.N.	Existing Clause No./Page No.	As per existing uploaded Document	Replacement/Modifications/Additions/Changes
1	Part-I, Chapter-I, Clause 1.1.1, S.N. 8, Part-I, Chapter-II, S.N. 7, Part-I, Chapter-III, Clause 1.3.14, Part-II, Chapter-12, Clause 4.1.1.1	Period of Contract / Completion Period is 12 months	Period of Contract / Completion Period is 18 Months
2	Part-II, Chapter-7, Specification of OHE Items, Clause No. 2.7.1, Page No. 463 to 466	Catenary: 125 sq.mm. (imported), Cu-Mg, Approved Specification No. KFH-JTM-20170214 dated 18.10.2018 of i) M/s.Fujikura, Japan, ii) M/s. Lamifil n.v. Belgium as per RDSO Specification No.TI/SPC/OHE/Cat(Mg-Cu)/0120+Lamifil. Contact Wire: 150 sq.mm. (imported), Copper Tin Alloy:Approved Specification No. 8K-2017019dated 15.12.2017 of M/s. Sumitomo Electric Industries, Japan Modular Type (Imported): Approved design documents: DOC-EMP-16-DGN-RP-121, DOC-EMP-16-DGN-RP-121, DOC-EMP-16-DGN-RP-122, DOC-EMP-16-DGN-RP-123, DOC-EMP-16-DGN-RP-132, DOC-EMP-16-DGN-RP-133, Approved ITP drawings: DOC-EMP-16-DGN-RP-128, DOC-EMP-16-DGN-RP-129, M/s. RIBE Germany Fittings: End Clamps – 150 sq. mm. Contact Wire: GA-8 of Aaruti Spain ETI/OHE/P/1790 (Rev.B) of M/s. Hindustan Malleables & Forgings Ltd. End Clamps 125 sq.mm. Catenary Wire: GA-8 of Aaruti Spain 1131(S), 1102(S),1143(S) of M/s. Kumar Fastners Current Carrying Droppers: 10 sq.mm. flexible dropper conforming to DIN 43138 (Imported): Cu-Bronze: Approved Document/Drawing No. Contact Wire Clamp – 531115, Dropper Clamp for messenger wire – B662030, Notched Connector – F01918-06, Thimbles – B615001, Dropper Arrangement Compression Type – B662030-20, Notch type cable lug – F01918-05 of M/s. RIBE Germany for fittings and M/s. Lamifil Belgium for Cu-Mg 0.4 BZII Dropper Wire LWSI: 150 sq.mm. Contact Wire and 125 sq.mm. Catenary Wire (Imported): Approved Document/Drawing No. EJG3430/202-31 of M/s. Galland France LWSI: 107 sq.mm. Contact Wire and 65 sq.mm. Catenary Wire (Imported): Approved Document/Drawing No. EJG3430/102-21 of M/s. Galland France. TI/SPC/OHE/LWTSI/0060, Rev.1 A&C Slip No.1	Specification has been amended and replaced, which is enclosed as Annexure-I of Corrigendum No. 2.
3	Part-I, Chapter-VI, 6 th line of Clause 1.1 Page No. 123	“CTP-11 Civil, Building and Track Works (JNPT- Vaitarana) (Terminated).”	“CTP-11 Civil, Building and Track Works (JNPT- Vaitarana)”.



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4	Chapter-10, Part-II Explanatory Notes of Schedule Prices	New Para No. added after 2.10.10 at Page No. 486	2.10.11 "OHE works inside Tunnel: OHE works shall be done inside tunnel as per drawing nos. 5/OH/TD/1217 placed at S.N. 54 of Part-II, Chapter 3".																																															
5	Page No.82, Clause No.46A (i) (1)	1.0 Formula for price variation for following schedule items. <table border="1" style="margin-left: 40px;"> <tr><th>Sr No</th><th>Item No</th></tr> <tr><td>1</td><td>1</td></tr> </table>	Sr No	Item No	1	1	1.0 Formula for price variation for following schedule items <table border="1" style="margin-left: 40px;"> <tr><th>Sr No</th><th>Item No</th></tr> <tr><td>1</td><td>1, 11.5 & 11.6</td></tr> </table> No change in the remaining portion of the table	Sr No	Item No	1	1, 11.5 & 11.6																																							
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6	Page No. 84 Clause No. 46A (i) (4)	4.0 Formula for price variation for following schedule items (Non-Ferrous) <table border="1" style="margin-left: 40px;"> <tr><th>Sr No</th><th>Item No</th></tr> <tr><td>1</td><td>8, 9</td></tr> <tr><td>2</td><td>15.1, 15.4, 15.7, 15.8, 15.9</td></tr> <tr><td>3</td><td>19.1 & 19.2</td></tr> <tr><td>4</td><td>20.1 & 20.2</td></tr> </table> <table border="1" style="margin-left: 40px;"> <tr><td colspan="2">Percentage variation on the net amount of material bill of this section</td><td>= [(Cu - Cuo)/Cuo] x 85</td></tr> <tr><td>Where</td><td>Cu =</td><td>IEEMA price for copper wire bar for the month which is two months prior to date of inspection of material.</td></tr> <tr><td></td><td>Cuo =</td><td>IEEMA price for copper wire bar for the month which is one month prior to date of opening of tender</td></tr> </table>	Sr No	Item No	1	8, 9	2	15.1, 15.4, 15.7, 15.8, 15.9	3	19.1 & 19.2	4	20.1 & 20.2	Percentage variation on the net amount of material bill of this section		= [(Cu - Cuo)/Cuo] x 85	Where	Cu =	IEEMA price for copper wire bar for the month which is two months prior to date of inspection of material.		Cuo =	IEEMA price for copper wire bar for the month which is one month prior to date of opening of tender	4.0 Formula for price variation for following schedule items (Non-Ferrous): <table border="1" style="margin-left: 40px;"> <tr><th>Sr No</th><th>Item No</th></tr> <tr><td>1</td><td>8, 9</td></tr> <tr><td>2</td><td>15.1, 15.4, 15.7, 15.8, 15.9</td></tr> <tr><td>3</td><td>19.1 & 19.2</td></tr> <tr><td>4</td><td>20.1 & 20.2</td></tr> </table> (i) Copper items procured from indigenous sources, following formula will be applicable: <table border="1" style="margin-left: 40px;"> <tr><td colspan="2">Percentage variation on the net amount of material bill of this section</td><td>= [(Cu - Cuo)/Cuo] x 85</td></tr> <tr><td>Where</td><td>Cu =</td><td>IEEMA price for copper wire bar for the month which is two months prior to date of inspection of material.</td></tr> <tr><td></td><td>Cuo =</td><td>IEEMA price for copper wire bar for the month which is one month prior to date of opening of tender</td></tr> </table> (ii) For imported Copper items, following formula will be applicable: <table border="1" style="margin-left: 40px;"> <tr><td colspan="2">Percentage variation on the net amount of material bill of this section</td><td>= [(Kn - Ko)/Ko] x 70</td></tr> <tr><td>Where</td><td>Kn</td><td>Base Value as per LME (London Metal Exchange) for the month which is two months prior to date of inspection of material.</td></tr> <tr><td></td><td>Ko</td><td>Value as per LME (London Metal Exchange) for the month which is one month prior to date of opening of tender.</td></tr> </table>	Sr No	Item No	1	8, 9	2	15.1, 15.4, 15.7, 15.8, 15.9	3	19.1 & 19.2	4	20.1 & 20.2	Percentage variation on the net amount of material bill of this section		= [(Cu - Cuo)/Cuo] x 85	Where	Cu =	IEEMA price for copper wire bar for the month which is two months prior to date of inspection of material.		Cuo =	IEEMA price for copper wire bar for the month which is one month prior to date of opening of tender	Percentage variation on the net amount of material bill of this section		= [(Kn - Ko)/Ko] x 70	Where	Kn	Base Value as per LME (London Metal Exchange) for the month which is two months prior to date of inspection of material.		Ko	Value as per LME (London Metal Exchange) for the month which is one month prior to date of opening of tender.
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7	Part-V of Drawings, LOPs and Method Statements at Page 602	The drawings, LOPs and Method Statement of the items of tender are attached on IREPS site	Link to download contents i.e., "The drawings, LOPs and Method Statement "is given below: https://drive.google.com/file/d/1sQ3cJp_McKvq-vL1fUbziS8lAJD1MTP5/view?usp=sharing																																															



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8	Form 2C-IV, Page No 528	<p align="right">FORM 2C-IV</p> <p>PROFORMA OF BID CAPACITY CALCULATION BASED ON Form 2C-II & 2C-III (AxNx2-B)</p> <p>Tenderer should Fill up details of "A" (As per Form 2C-III) , "B" (As per Form 2C-II) and "N" (As per NIT) and establish the Bid requirement.</p> <table border="1"> <tr> <td align="center">A</td> <td></td> </tr> <tr> <td>Maximum value of construction works executed and payment received in any one of the previous three financial years or the current financial year (up to date of inviting tender), taking into account the completed as well as works in progress.</td> <td><i>Fill up Amount "A" certified by Chartered Accountant in Annexure XII</i></td> </tr> <tr> <td align="center">N</td> <td></td> </tr> <tr> <td>Number of years prescribed for completion of work for which bids has been invited.</td> <td><i>Fill up Completion Period As per NIT.</i></td> </tr> <tr> <td align="center">B</td> <td></td> </tr> <tr> <td>(Value of existing commitments and balance amount of ongoing works with the tenderer as on date one month prior to the tender closing date to be completed in next 'N' years.)</td> <td><i>Fill up Amount "B" certified by Chartered Accountant in Annexure-XI.</i></td> </tr> <tr> <td>Available Bid Capacity = [A x N x 2] - 0.33xNx B</td> <td><i>Fill up calculated amount as per formula {AxNx2}-0.33xNx B</i></td> </tr> </table> <p>*Bid Capacity eligibility criteria will be qualified only if the available bid capacity of tenderer is equal to or more than the total bid value of the present tender.</p> <p align="center">SEAL AND SIGNATURE OF THE TENDERER Dated: Note: The contents in Italics are only for guidance purpose where the Amount is to filled up. Details as appropriate are to be filled in suitably by tenderer.</p>	A		Maximum value of construction works executed and payment received in any one of the previous three financial years or the current financial year (up to date of inviting tender), taking into account the completed as well as works in progress.	<i>Fill up Amount "A" certified by Chartered Accountant in Annexure XII</i>	N		Number of years prescribed for completion of work for which bids has been invited.	<i>Fill up Completion Period As per NIT.</i>	B		(Value of existing commitments and balance amount of ongoing works with the tenderer as on date one month prior to the tender closing date to be completed in next 'N' years.)	<i>Fill up Amount "B" certified by Chartered Accountant in Annexure-XI.</i>	Available Bid Capacity = [A x N x 2] - 0.33xNx B	<i>Fill up calculated amount as per formula {AxNx2}-0.33xNx B</i>	<p>Amended Form No. 2C-IV is reproduced as under:</p> <p align="right">FORM 2C-IV</p> <p>PROFORMA OF BID CAPACITY CALCULATION BASED ON Form 2C-II & 2C-III</p> <p>Tenderer should Fill up details of "A" (As per Form 2C-III) , "B" (As per Form 2C-II) and "N" (As per NIT) and establish the Bid requirement.</p> <table border="1"> <tr> <td align="center">A</td> <td></td> </tr> <tr> <td>Maximum value of construction works executed and payment received in any one of the previous three financial years or the current financial year (up to date of inviting tender), taking into account the completed as well as works in progress.</td> <td><i>Fill up Amount "A" certified by Chartered Accountant in Form 2C-III.</i></td> </tr> <tr> <td align="center">N</td> <td></td> </tr> <tr> <td>Number of years prescribed for completion of work for which bids has been invited.</td> <td><i>Fill up Completion Period As per NIT.</i></td> </tr> <tr> <td align="center">B</td> <td></td> </tr> <tr> <td>(Value of existing commitments and balance amount of ongoing works with the tenderer as on date one month prior to the tender closing date to be completed in next 'N' years.)</td> <td><i>Fill up Amount "B" certified by Chartered Accountant in Form 2C-II.</i></td> </tr> <tr> <td>Available Bid Capacity = [A x N x 2] - 0.33xNx B</td> <td><i>Fill up calculated amount as per formula {AxNx2}-0.33xNx B</i></td> </tr> </table> <p>*Bid Capacity eligibility criteria will be qualified only if the available bid capacity of tenderer is equal to or more than the total bid value of the present tender.</p> <p align="center">SEAL AND SIGNATURE OF THE TENDERER Dated: Note: The contents in Italics are only for guidance purpose where the Amount is to filled up. 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9	Part-I, Chapter-I, Clause 1.1.1, S.N. 7, Page No. 5 Part-I, Chapter-II, S.N. 6, Page No. 12	<p>Estimated Cost: Rs. 142,07,85,426.36/- (Rupees - One Hundred Forty-Two Crore - Seven Lakhs Eighty-Five Thousand Four Hundred Twenty-Six and Thirty-Six Paise only) including GST.</p>	<p>Estimated Cost: Rs. 142,07,85,426.36/- (Rupees - One Hundred Forty-Two Crore - Seven Lakhs Eighty-Five Thousand Four Hundred Twenty-Six and Thirty-Six Paise only) inclusive of "all applicable taxes, duties, surcharges, cess etc.</p>																												



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	Part-I, Chapter-III, Clause No.1.3.1 (iii) (J) (v), Page No. 21	Cost of the work: The estimated cost of the work is Rs. 142,07,85,426.36/- (Rupees - One Hundred Forty-Two Crore - Seven Lakhs Eighty-Five Thousand Four Hundred Twenty-Six and Thirty-Six Paise only) shown as per NIT which includes GST.	Cost of the work: The estimated cost of the work is Rs. 142,07,85,426.36/- (Rupees - One Hundred Forty-Two Crore - Seven Lakhs Eighty-Five Thousand Four Hundred Twenty-Six and Thirty-Six Paise only) inclusive of "all applicable taxes, duties, surcharges, cess etc.
	Part-I, Chapter-VIII, Clause 1.8.1, Page No. 386	Quoted rates for supply and erection shall be inclusive of all taxes.	Quoted rates for supply and erection shall be inclusive of " all applicable taxes, duties, surcharges, cess etc.
10	Part-II, Chapter 12 Milestone and Time Schedules, page No. 510	Milestones and Time Schedule table at Page No. 510	Amended table for Milestones and Time Schedule is enclosed as Annexure-2 of Corrigendum No. 2.
11	Part-I, Chapter-VI, Section-2, Clause No.2.1.2, Page-134-135	Section-2: SCOPE OF WORK AND SITE DETAILS Table of Total scope & progress of 2x25 kV OHE in CTP-11 section, under Clause No. 2.1.2	Amended table for Availability of Major Components with employer for supplying of material to Contractor as free supply items is enclosed as Annexure-3 of Corrigendum No. 2.
12	Part-II, Chapter-9 at Page No. 481	Part-II, Chapter-9: List of Equipment, Plant & Machinery	Amended Chapter-9 of Part-II, List of Equipment, Plant & Machinery, is enclosed as Annexure-4 of Corrigendum No. 2.
13	Part-III, Tender Forms, Form No. 31 at Pages 588-589	Form No. 31 for List of Equipment, Plant & Machinery	Amended Form No. 31 for List of Equipment, Plant & Machinery, is enclosed as Annexure-5 of Corrigendum No. 2.
14	Page No. 513, Form No. 1 - Para (d) & Para (e).	(d) We have not been blacklisted/banned in accordance with para.1.3.13 (ii)(v)(a) of Preamble & General Instructions to tenderers. (e) We are neither Bankrupt/Insolvent nor in the process of winding-up nor there is a case pending before any Court on deadline of submission of the Bid in accordance with para. 1.3.13 (ii) (v) (b) of Preamble & General Instructions to tenderers.	(d) We have not been blacklisted/banned in accordance with para.1.3.13 (ii) (a) of Preamble & General Instructions to tenderers. (e) We are neither Bankrupt/Insolvent nor in the process of winding-up nor there is a case pending before any Court on deadline of submission of the Bid in accordance with para. 1.3.13 (ii) (b) of Preamble & General Instructions to tenderers.
15	Part-III, Tender Forms, Page No 529- Applicant's Party information Form	Applicant's Party information Form (without Form No.)	This enclosed form at Page No. 529 has no form number. This form is numbered as " Form No. 2 D "
16	Part-I, Chapter-III, Page No 40, Para No 1.3.13 (iii) 2 (i)	2. (i) The tenderers shall submit a notarized affidavit on a non-judicial stamp paper stating that they are not liable to be disqualified and all their statements/documents submitted along with bid are true and factual. Standard format of the affidavit to be submitted on IREPS portal by the bidder is enclosed as Form-22 . Non submission of an affidavit (Form-22) by the bidder shall result in summary rejection of his/their bid. And it shall be mandatorily incumbent upon the tenderer to identify, state and submit the supporting documents duly self-attested by which they/he is qualifying the Qualifying Criteria mentioned in the Tender Document. It will not be obligatory on the part of Tender Committee to scrutinize beyond the submitted documents of tenderer as far as his qualification for the tender is concerned.	2. (i) The tenderers shall submit a notarized affidavit on a non-judicial stamp paper stating that they are not liable to be disqualified and all their statements/documents submitted along with bid are true and factual. Standard format of the affidavit to be submitted on IREPS portal by the bidder is enclosed as Form-22 . Non submission of an affidavit (Form-22) by the bidder shall result in summarily rejection of his/their bid. And it shall be mandatorily incumbent upon the tenderer to identify, state and submit the supporting documents duly self-attested by which they/he is qualifying the Qualifying Criteria mentioned in the Tender Document. It will not be obligatory on the part of Tender Committee to scrutinize beyond the submitted documents of tenderer as far as his qualification for the tender is concerned.



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17	Part-I, Chapter-III, Page No 40, Para No 1.3.13 (iii) 2 (ii)	2. (ii) The tender document also includes the provisions for specialized machinery (i.e., Rail Auger, RRV, Wiring Train with driving unit and RRV (Rail cum road vehicle), Rail based man lift (scissor lift) & Conductor Drum Rail Trolley) required for execution of OHE works to suit site condition. Contractors is required to confirm the availability of these vital machineries either on owner basis or submission of MOU from the vendors (owners) for mobilization of these machinery as per the requirement at the site of work. Accordingly, Form-31 has been incorporated in the Tender document for submission by the tenderer(s). Non submission of Form-31 by the bidder shall result in summary rejection of his/their bid.	2. (ii) The tender document also includes the provisions for specialized machinery (i.e., Rail Auger, RRV, Wiring Train with driving unit and RRV (Rail cum road vehicle), Rail based man lift (scissor lift) & Conductor Drum Rail Trolley) required for execution of OHE works to suit site condition. Contractors is required to confirm the availability of these vital machineries either on owner basis or submission of MOU from the vendors (owners) for mobilization of these machinery as per the requirement at the site of work. Accordingly, Form-31 has been incorporated in the Tender document for submission by the tenderer(s).
18	Part-I, Chapter-V, Page 120, Para 1.5.20 (e)(ii).	Advances except those against machinery and equipment shall be payable against irrevocable guarantee (Bank Guarantee, FDRs, KVPs/NSCs) of at least 110% of the value of the sanctioned advance amount (covering principal plus interest). The Bank Guarantee shall be from a Nationalized / Schedule Commercial Bank in India in a form acceptable to the DFCCIL. Format for BG is similar to Tender Form-26 placed at Part-III of Tender Document.	Advances except those against machinery and equipment shall be payable against irrevocable guarantee (Bank Guarantee, FDRs, KVPs/NSCs) of at least 110% of the value of the sanctioned advance amount (covering principal plus interest). The Bank Guarantee shall be from a Nationalized / Schedule Commercial Bank in India in a form acceptable to the DFCCIL. Format for BG is similar to Tender Form-19 placed at Part-III of Tender Document.
19	Part-I, Chapter-IV, Page 86, Note (ix) of Clause No. 46A.	(ix) The demands for escalation of cost shall be allowed on the basis of provisional indices made available by Reverse Bank of India . Any adjustment needed to be done based on the finally published indices shall be made as and when they become available.	(ix) The demands for escalation of cost shall be allowed on the basis of provisional indices made available by Reserve Bank of India . Any adjustment needed to be done based on the finally published indices shall be made as and when they become available.
20	Part-I, Chapter-VI, Page No.377, Section 8.3, Clause No. 13.1.	The Contractor shall continuously monitor the performance of the quality management system and shall include the same in each Monthly Progress Report as required in Annexure-2 [Monthly Progress Report] to the Employer's Requirements.	The Contractor shall continuously monitor the performance of the quality management system and shall include the same in each Monthly Progress Report.
21	Part-I, Chapter VI, Section 7.7 S.N. 4, Page No. 292	ID Card: i. non-adherence of Clause 9.1, 9.2 and 9.3	ID Card: i. non-adherence of Clause 9.1.1, 9.1.2 and 9.1.3
22	Part-I, Chapter-3, Clause No. 1.3.1 (iii) C (i), Page No. 18	(i)Memorandum of Understanding (in case of JV) as per Form-9 (Part-IV, Chapter- II of BID DOCUMENT.	(i) Memorandum of Understanding (in case of JV) as per Form-9 (Part-III of Bid Document).
23	Part-I, Chapter-I, Clause No. 1.1.4	DFCCIL may issue amendment(s) [addendum(s) / corrigendum(s)] to the tender documents. In such cases the amendment(s) shall be issued and placed on DFCCIL's website: www.dfccil.com and http://www.ireps.gov.in at least three days in advance of date of opening of tender. The tenderer who has downloaded the tender documents from the website before issue of amendment(s) must visit the website and ensure that such amendment(s) (if any) is also downloaded by them. Such amendment(s) (if any) shall also be uploaded duly stamped and signed / digitally signed along with the submission of tenders. Any tender submitted without amendment(s) (if any) shall be liable to be rejected.	DFCCIL may issue amendment(s) [addendum(s) / corrigendum(s)] to the tender documents. In such cases the amendment(s) shall be issued and placed on DFCCIL's website: www.dfccil.com and http://www.ireps.gov.in at least fifteen days (15 days) prior to tender closing date . The tenderer who has downloaded the tender documents from the website before issue of amendment(s) must visit the website and ensure that such amendment(s) (if any) is also downloaded by them. Such amendment(s) (if any) shall also be uploaded duly stamped and signed / digitally signed along with the submission of tenders. Any tender submitted without amendment(s) (if any) shall be liable to be rejected.
24	Part-III, Form No. 3 at Page No. 530	FORM No. 3 SUMMARY OF PRICES (Summary of Prices has been separately attached in Financial Packet "B")	FORM No. 3 SUMMARY OF PRICES (Summary of Prices has been separately attached as per SCHEDULE uploaded at IREPS site)



DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.
A Govt. of India (Ministry of Railways) Enterprise
Chief General Manager, Dedicated Freight Corridor Corporation of India Ltd.,
7th Floor, Central Railway, New Administrative Building, D. N. Road,
Mumbai - 400001, Tel. 022-22634185, Tel/Fax 022-22634184

S.N.	Existing Clause No./Page No.	As per existing uploaded Document	Replacement/Modifications/Additions/Changes
25	Part-III, Form No. 4 at Page No. 531	SCHEDULE OF PRICES & TOTAL PRICES (Schedule of Prices & Total Prices have been separately attached in Financial Packet "B")	FORM No. 4 SCHEDULE OF PRICES & TOTAL PRICES (Schedule of Prices & Total Prices have been separately attached as per SCHEDULE uploaded at IREPS site)

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Annexure-1 to Corrigendum No. 2

Tender No. MUM(S)/EL/405/OHE Balance Works/JNPT-Vaitarna

Modifications are shown is "blue-color and in italic".

PART-II

Chapter-7

SPECIFICATION OF OHE ITEMS

2.7.1 Scope- Specification covered in this chapter is for imported/ major items to be used in this work. These specifications are indicative, details if required by the Contractor will be provided by DFCCIL. *Any specification of material not covered in this chapter will be provided by DFCCIL.*

Description of Item			
Conductors			
	Minimum Size	Material	Remarks
Catenary	125 sq. mm (Imported)	Cu-Mg	<i>Catenary: 125 sq.mm., Cu-Mg, As per RDSO Specification No.TI/SPC/OHE/Cat(Mg-Cu)/0120. Or DIN 48201-T1 & T2/ EN 50119/ DIN 43138 or any other equivalent International Standard Capable of withstanding 100 deg C continuously.</i>
	65 sq.mm	Cu-Cd	RDSO Spec TI/SPC/OHE/CAT/Cu-Cd/0971
Contact wire	150 sq. mm (Imported)	Copper Tin alloy	<i>Contact Wire: 150 sq.mm., Copper Tin Alloy (Cu-Sn 0.2):. As per EN 50149 and EN 50119/IEC 60913 to withstand 100 deg. C continuously</i>
	107 sq.mm	Hard Drawn Copper Grooved	RDSO Spec TI/SPC/OHE/CW/0971
25 kV Feeder	288 sq. mm	AAAC	Approved Specification No. WDFC/EMP-16/AAAC/SPEC/01 dated 09.09.2019.
Aerial Earth Conductor	93.3 sq.mm	ACSR	Approved Specification No. WDFC/EMP-16/ACSR/SPEC/01 dated 19.03.2019.
Buried Earth Conductor	17.5 mm Dia (i.e., 19 No. of Strand X 3.50 mm)	GS (Galvanized Steel)	Approved Specification No. WDFC/EMP-16/BEC/SPEC/02 dated 20.09.2018.

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Foundation for OHE Mast	900 mm Dia (B200/B225/B250/B300)		Approved Drawing No. 5-OH-TD-1127_REV_D dated 01.04.2019
	1200 mm Dia (N/O/R Type) for Portal/TTC		Approved Drawing No. DOC_EMP-16_DGN_DC_070_REV_2 dated 07.01.2020
	1500 mm dia 1800 mm dia		5/OH/TD/1235 5/OH/TD/1236
12m mast fabrication		Steel	Approved Drg.No 5/OH/TD/1101,Rev.C
Portal Fabrication	N/O/R	Steel	Approved Drg. No. 5/OH/CD/0101, 5/OH/CD/0102, 5/OH/CD/0103,
TTC Fabrication	-	Steel	Approved Drg.No 5/OH/TD/1110,Rev.C
TTC Fabrication with based plate`	-	Steel	Approved Drg.No 5/OH/TD/1255,Rev.D
Bridge Mast Fabrication	-	Steel	Approved Drg.No 5/OH/TD/1027,Rev.D
<i>Bracket Assembly -</i>	IR Conventional type		Approved ITP document no. DOC/EMP-16/DGN/RP/120 dated 12.02.2019
	IR Modified type		Approved RDSO Specification No. TI/SPC/OHE/Fitting /0130 (10/13) dated 09.07.2020
	Modular type (Imported)		<i>Modular Type: The Components of Cantilever shall be a proven design and of corrosion resistant material such as Aluminum Alloy/Stainless Steel/Copper Alloy. The design shall conform to EN 50119 specification. Cantilevers made of Fiber shall not be used.</i>
<i>Fittings</i>	End Clamps - 150sq.mm Contact Wire		<i>Fittings: End Clamps – 150 sq. mm. Contact Wire: RDSO Spec. ETI/OHE/P/1790 (Rev.C) or latest.</i>
	End Clamps - 125sq.mm Catenary Wire		End Clamps 125 sq.mm. Catenary Wire: RDSO Spec No ETI/OHE/49(9/95) with A&C slip1 of 3(97) or latest
	End Clamps - 288sq.mm Feeder Wire (Imported)		GA-3 of M/S Aaruti Spain

	End Fittings – 93.3sq.mm Aerial Earth Wire		Drawing no. 7050 of M/s. Mosdorfer ,Nasik
	Suspension Fittings – 288sq.mm Feeder Wire (Imported)		Drawing No. GS-3 of M/S Arruti Spain
	Suspension Fittings – 93.3sq.mm Aerial Earth Wire		Mosdorfer drawing no. 7040
Current Carrying Droppers	10 sq.mm flexible dropper conforming to DIN 43138 (Imported)	Cu-Bronze	<i>Current Carrying Droppers: 10 sq.mm. flexible dropper conforming to DIN 43138: Cu- Bronze: As per the specification DIN 43138</i>
PTFE Neutral section			Approved RDSO Document no. TI/SPC/OHE/SNS/0000 rev-1
LWSI	150sqmm contact wire & 125sqmm catenary wire (Imported)		<i>LWSI: Suitable for 150 sq.mm. Contact Wire and 125 sq.mm. Catenary Wire (Imported): Approved Document/Drawing No. EJG3430/202-31of M/s. Galland France Or any other DFCCIL/RDSO/Core approved source</i>
	107sqmm contact wire & 65sqmm catenary wire (Imported)		<i>LWSI: Suitable for 107 sq.mm. Contact Wire and 65 sq.mm. Catenary Wire (Imported): Approved Document/Drawing No. EJG3430/102-21 of M/s. Galland France, RDSO Spec No. TI/SPC/OHE/LWTSI/0060, Rev.1 A&C Slip No.1 Or any DFCCIL/RDSO/CORE approved vendor</i>
ATD –5 Pulley	Five Pulley Auto Tensioning Device		TI/SPC/OHE/5PATD/0130 with A&C slip no 1&2
ATD –3 Pulley	Three Pulley Auto Tensioning Device		TI/SPC/OHE/3PHTATD/0150 with A&C slip no. 1
Cable	Cable for 25 KV Feeder		RDSO's specification no TI/SPC/PSI/Cable/0090(02/2009).

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Annexure-2 to Corrigendum No. 2

Tender No. MUM(S)/EL/405/OHE Balance Works/JNPT-Vaitarna

Modifications are shown is "blue-color and in italic".

S.No.	Milestone Targets	Time Allocated within which to achieve completion in total 18 months	Milestones
1	Submission of Detailed Schedule of Completion Programme of execution	D+28 days	MS-1
	Familiarization with interface activities with other Contractors to ensure seamless integration and alignment with established methodologies.		
2	Physical commencement of work and mobilization of resources	(D+120 days)	MS-2
3	Completion of Foundation and Steel erection works equivalent to 40 RKM		
4	Completion of laying of BEC conductor and associated bonding work equivalent to 35 RKM		
5	Completion of Foundation and Steel erection works equivalent to 70 RKM	(D+180 days)	MS-3
6	Completion of laying of BEC conductor and associated bonding work equivalent to 70 RKM		
7	Completion of all OHE works ready for commissioning equivalent to 35 RKM		
8	Completion of Foundation and Steel erection works equivalent to 90 RKM		
9	Completion of laying of BEC conductor and associated bonding work equivalent to 75 RKM	(D+270 days)	MS-4
10	Completion of all OHE works ready for commissioning equivalent to 75 RKM		
11	<i>Testing, commissioning & Energization of Entire Section for train operation in Vaitarna-JNPT Section.</i>		
12	<i>Completion of residual works including commissioning of AFL in co-ordination with M/S Tsuda Japan and SCADA in association with M/S Synergy with OCC Ahmedabad System Integrated Testing and Commissioning and taking over by the Employer</i>	(D+545 days)	MS-6

- D is the date of issue of the letter of acceptance by DFCCIL to the Contactor.
- These milestones may be further broken down and planned in details on Primavera.

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Annexure-3 to Corrigendum No. 2

Tender No. MUM(S)/EL/405/OHE Balance Works/JNPT-Vaitarna

2.1.2: Availability of Major Components with employer for supplying of material to Contractor as free supply items:

S.N.	Items	UOM	Quantity of Free supply item (Material to be handed over to the Contractor by DFCCIL)	Material to be supplied by Contractor as per schedule of Prices
1	Mast/Portal/SPS	MT	1800	3450
2	Catenary wire 125 mm ²	MT	270.68	64.32
3	Contact wire 150 mm ²	MT	266.84	84.16
4	Catenary wire 65 mm ²	MT	24.78	1
5	Contact wire 107 mm ²	MT	0	34
6	Feeder wire 288 mm ²	TKM	0	205
7	AEC 93.3 mm ²	TKM	120	85
8	BEC 19 strands of 3.5 mm	TKM	180	35
9	Modular Type Cantilever	Each	1538	1150
10	IR Modified Type Cantilever	Each	440	2368
11	IR Conventional Type Cantilever	Each	0	912
12	Design & Drawing	TKM	Approved drawings will be given for verification and resubmission to start the work.	

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Annexure-4 to Corrigendum No. 2

Tender No. MUM(S)/EL/405/OHE Balance Works/JNPT-Vaitarna

PART - II

Chapter 9

LIST OF EQUIPMENT, PLANT & MACHINERY

Contractor shall submit list of Plant & Machinery owned/hired.

An indicative list of Plant & Machinery for execution of the above work is as below:

Item	Machineries	Required For	Source (Owned/Hired)	MOU (Yes/No)
1	Rail Auger	>Foundation perforations		*
2	RRV	>Foundation perforations		*
3	Wiring Train with driving unit	Wiring (Contact/Catenary)		*
4	RRV (Rail cum road vehicle), Rail based man lift (scissor lift) & Conductor Drum Rail Trolley	Wiring (Feeder/AEC)		*
5	Tractor Augur	>Foundation perforations		
6	Concrete Pump	>Foundation concreting		
7	Transit Mixer	>Foundation concreting		
8	RRV Transit Mixer	>Foundation concreting		
9	Tractor	>Foundation concreting		
10	Concrete Conveyor	>Foundation concreting		
11	Pick & Carry Crane	Mast/Portal/Boom		
12	Rail Crane	Mast/Portal/Boom		
13	Trailer	>Used for Material shifting		
14	Truck	>Used for Material Shifting		
15	Camper (Pick up Van)	Used for Material Shifting		
16	Conveyor Belt	for Concreting		

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***Note:**

This excerpt provides instructions for filling out Form No. 31 by the tenderer regarding the availability of specific machinery necessary for executing the work. Key points include:

1. The tenderer must indicate in Form No. 31 whether they own or plan to hire the machinery listed.
2. For machinery at Sr. No. 1, 2, 3 and 4, if the tenderer plans to hire them, a Memorandum of Understanding (MOU) with the hiring agency must be submitted.
3. The availability of these particular machines is crucial for the successful completion of the work.
4. For evaluation purposes, the tenderer must provide:
 - a. Details of ownership of the machines, or
 - b. An MOU with the owner, including response time for making the machinery available at the worksite.

This ensures that the tenderer is either prepared with the necessary equipment or has firm plans in place to secure it.

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Annexure-5 to Corrigendum No. 2

Tender No. MUM(S)/EL/405/OHE Balance Works/JNPT-Vaitarna

FORM No. 31

LIST OF EQUIPMENT, PLANT & MACHINERY

Contractor shall submit list of Plant & Machinery owned/hired.

An indicative list of Plant & Machinery for execution of the above work is as below:

Item	Machineries	Required For	Source (Owned/Hired)	MOU (Yes/No)
1	Rail Auger	>Foundation perforations		*
2	RRV	>Foundation perforations		*
3	Wiring Train with driving unit	Wiring (Contact/Catenary)		*
4	RRV (Rail cum road vehicle), Rail based man lift (scissor lift) & Conductor Drum Rail Trolley	Wiring (Feeder/AEC)		*
5	Tractor Augur	>Foundation perforations		
6	Concrete Pump	>Foundation concreting		
7	Transit Mixer	>Foundation concreting		
8	RRV Transit Mixer	>Foundation concreting		
9	Tractor	>Foundation concreting		
10	Concrete Conveyor	>Foundation concreting		
11	Pick & Carry Crane	Mast/Portal/Boom		
12	Rail Crane	Mast/Portal/Boom		
13	Trailer	>Used for Material shifting		
14	Truck	>Used for Material Shifting		
15	Camper (Pick up Van)	Used for Material Shifting		
16	Conveyor Belt	for Concreting		

***Note:**

This excerpt provides instructions for filling out Form No. 31 by the tenderer regarding the availability of specific machinery necessary for executing the work. Key points include:

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1. The tenderer must indicate in Form No. 31 whether they own or plan to hire the machinery listed.
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 4. For evaluation purposes, the tenderer must provide:
 - a. Details of ownership of the machines, or
 - b. An MOU with the owner, including response time for making the machinery available at the worksite.
- This ensures that the tenderer is either prepared with the necessary equipment or has firm plans in place to secure it.

SEAL AND SIGNATURE
OF THE TENDERER

Dated:

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