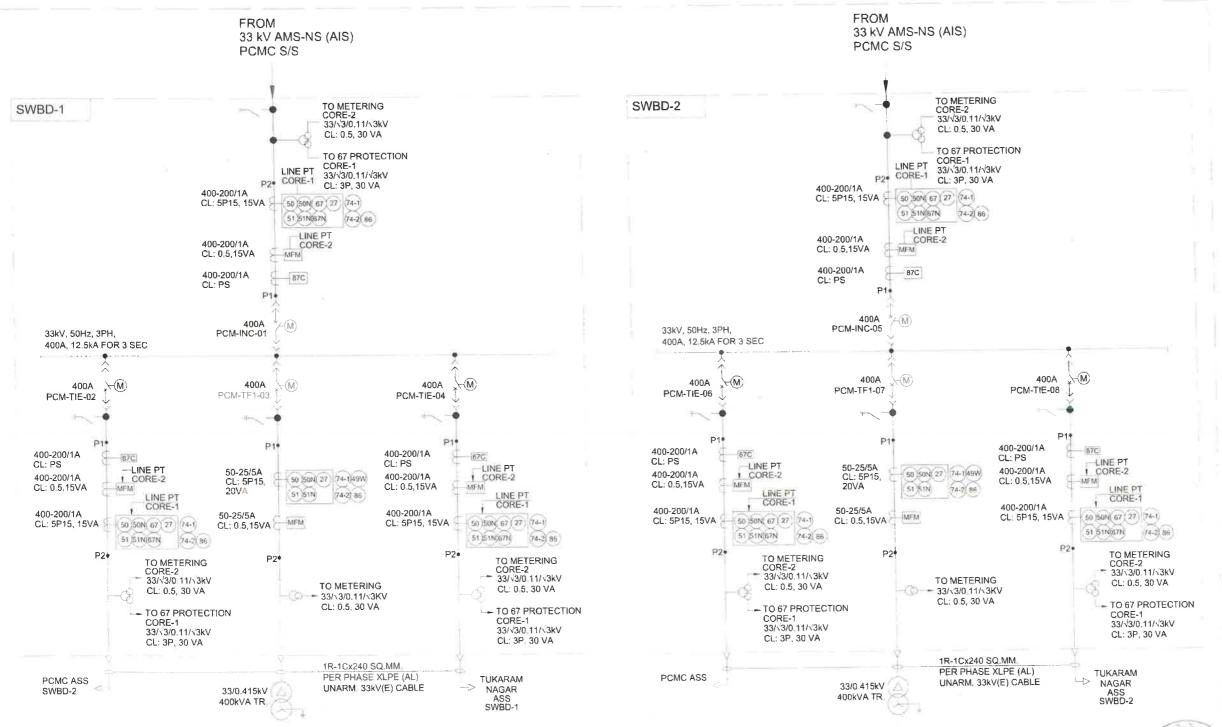


# SLD FOR 33kV POWER DISTRIBUTION- PCMC ASS



RELAY AND INSTRUMENT LEGENDS: = UNDERVOLTAGE RELAY = INSTANTANEOUS OVER CURRENT PROTECTION = INSTANTANEOUS FARTH FAULT PROTECTION = IDMTL OVER CURRENT PROTECTION (51N) = IDMTL EARTH FAULT PROTECTION ≈ DIRECTIONAL OVER CURRENT PROTECTION = DIRECTIONAL EARTH FAULT PROTECTION 86) = LOCK OUT RELAY (FC) = CABLE DIFFERENTIAL PROTECTION MEM = MULTI FUNCTION METER (F4-1) = TRIP 1 CIRCUIT SUPERVISION 74-2 = TRIP 2 CIRCUIT SUPERVISION EQUIPMENTS LEGENDS :-ITEM DESCRIPTION CABLE TERMINAL EARTH SWITCH (ES) CURRENT TRANSFORMER (CT) MOTOR OPERATED EQUIPMENT CIRCUIT BREAKER (CB) DRAW OUT TYPE AUX. LT TRANSFORMER VOLTAGE TRANSFORMER (VT)

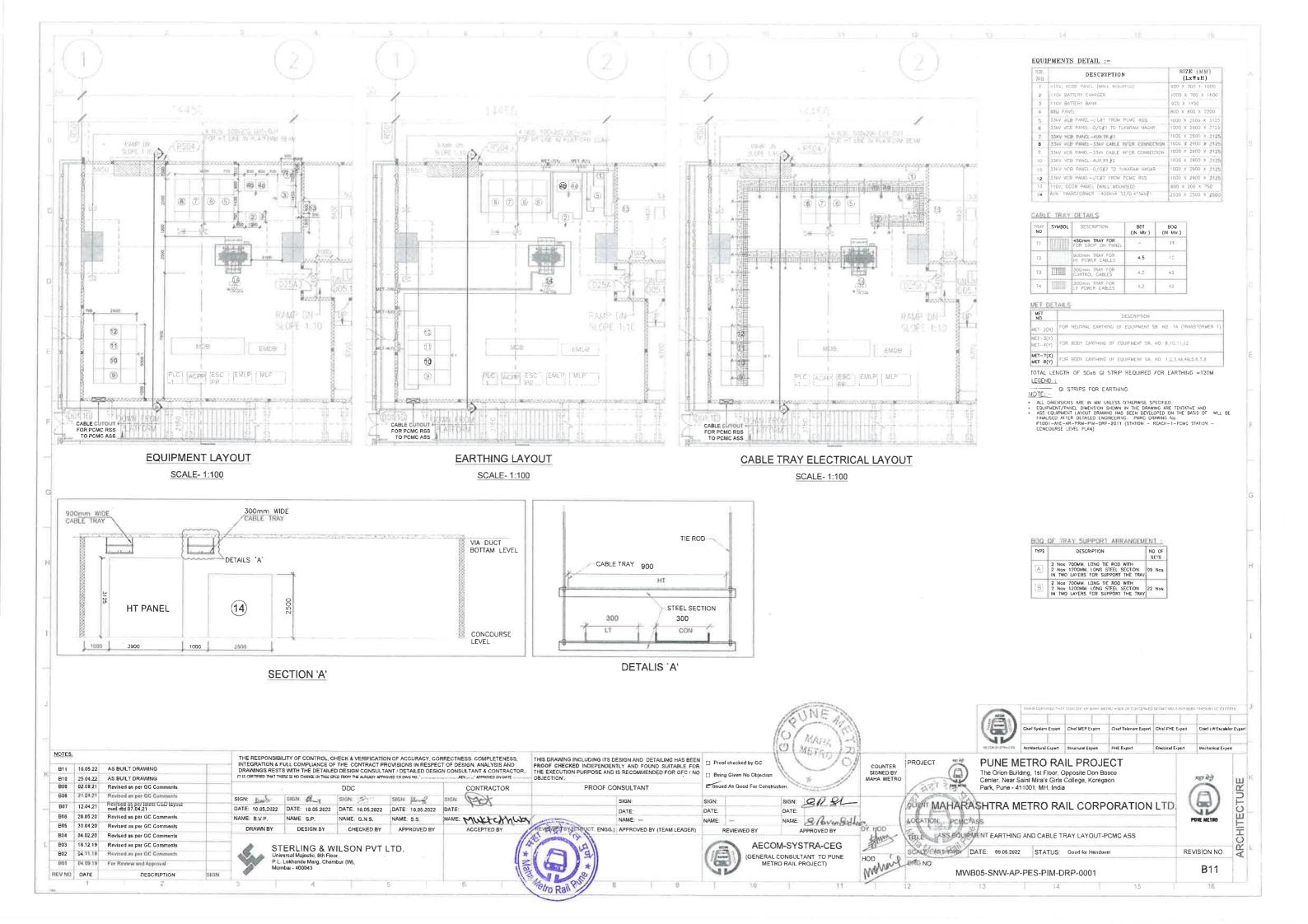
TO 415V LV BOARD

MUET CHIWAY SWPL









Annonure II

Tender no: P1A-TR-03/2025

Form-4A

### Part a: Proposed Personnel

Bidder should provide the details of the proposed personnel and their experience record in the relevant Information Forms below for each candidate in line with the requirement specified in section VII B Part 2: Appendix B 10, of Part-2 Works' Requirement:

Title of position
Name
Title of position
Name



### Part b: Resumé of Proposed Personnel

The Bidder shall provide all the information requested below. Use one form for each position listed in part a of Form-4A

Full Legal Name	Date of Birth								
Known as	Place of Birth								
Nationality	Citizenship								
Type of Government ID	ID number								
Attach a copy of ID to this form									
Professional qualifications									
Name of employer									
Address of employer									
Telephone	Contact (manager / personnel officer)								
Fax	E-mail								
Job title	Years with present employer								
	Known as  Nationality  Type of Government ID  Attach a copy of ID to this form  Professional qualifications  Name of employer  Address of employer  Telephone  Fax								

Summarize professional experience in reverse chronological order. Indicate particular technical and managerial experience relevant to the project.

То	Company/Project/Position/Relevant Technical and Management Experience
	То





### 3.3 Return Cables(3.3kV)

SN	Indications	Unit	Expected values	Values submitted
1	Manufacturer			
2	Cable size	Sqmm	240	
3	Cable type		XLPE	
4	Voltage grade (Uo / U (U2)	kV	1.9/3.3 (3.6)	
5	Reference standard		IEC 60502-1 latest version	
6	Operating voltage	kV	3.3	
7	Conducting core		Annealed copper	
8	Shape		Circular compact stranded	
9	Class / standard		Class 2 / IEC 228	
10	Nominal diameter of conductor	mm		
11	Conductor screen materials		Extruded semi conducting compound	
12	Nominal thickness of conductor screen	mm		
13	Insulation material		Extruded solid dielectric made of XLPE with tolerance as per IEC 502-1	
14	Nominal thickness of insulation	mm		
15	Nominal diameter over insulation	mm		
16	Insulation screen material (non-metallic)		Non-metallic part of semi-conducting material plus metallic part consisting of standard wire and copper tape, rated to carry a short circuit current of 14kA for 1 second	



SN	Indications	Unit	Expected values	Values submitted
17	Nominal thickness of insulation screen	mm		
17	Normal unickness of insulation screen	IIIai		
18	Insulation screen material (metallic)			
19	Nominal thickness of tape	mm		
	Trommat unormode of tapo	1		
20	Nos. and diameter of wires	No. / mm		
21	Cross sectional area	Sqmm		
22	Outer sheath material		FRLS	
23	Nominal thickness of outer sheath	mm		
24	Nominal overall diameter (+/- 2mm)	mm		
25	Minimum bending radius	mm		
26	Max DC conductor resistance at 20°C	Ω/km		
27	Max AC conductor resistance at 65°C	Ω/km		
28	Approx weight of cable	Kg/km		
29	Max current rating in air	A		
30	Max current rating in ground	Α		
31	Max conductor temperature on continuous	°C	90	
32	Max conductor temperature in short circuit	°C	250	
33	Max short circuit current rating			
a.	t = 0.1 sec	kA		
b.	t = 0.2 sec	kA		
C.	t = 0.3 sec	kA		
d.	t = 0.4 sec	kA		
34	Length marking (length shall be marked with number at one meter intervals on the sheath)			
35	Armouring		Armored	



### Annexure-4 to Corrigendum-II

# Form of Legal Capacity / Power of Attorney (Refer ITB20.2)

(To be forwarded on the letterhead of the Bidder or Lead Member of JV/Consortium, as the case may be)

### **Format for Board Resolution**

(A)	<b>Format</b>	for the	Board	resolution	to	be	passed	by	a	Bidder	(not	applicable	in	case	of
	JV/Cons	sortium)													

JV/Consortium)
The Board, after discussion, at the duly convened Meeting on (Insert date), with the consent of all the Directors present and in compliance of the provisions of the Companies Act 1956, passed the following Resolution:
RESOLVED THAT pursuant to the applicable provisions of the Companies Act, 1956 and as permitted under the Memorandum and Articles of Association of the Company, approval of the Board be and is hereby accorded to submit a Bid in response to the Bidding Documents dated issued by Maharashtra Metro Rail Corporation Limited (Maharashtra Metro Rail Corporation Limited) for [Insert name of the work] for Maharashtra Metro Rail Corporation Limited.
FURTHER RESOLVED THAT Mr./Ms, (insert the name and designation of the concerned official of the Company) be and is hereby authorized to take all the steps required to be taken by the Company for submission of the aforesaid Bid, including in particular, signing the Bid, making changes thereto and submitting amended Bid, signing and executing all the documents related to the Bid, certified copy of this Board resolution or letter or undertakings, etc., required to be submitted to Maharashtra Metro Rail Corporation Limited as part of the Bid or such other documents as may be necessary in this regard and to do in our name and our behalf all or any of the acts, deeds or things necessary or incidental to submission of our said Bid including signing and executing the Contract Documents, making representations to Maharashtra Metro Rail Corporation Limited or any other authority, and providing information / responses to Maharashtra Metro Rail Corporation Limited, representing us in all matters before Maharashtra Metro Rail Corporation Limited, and generally dealing with Maharashtra Metro Rail Corporation Limited in all matters in connection with our Bid till the completion of the bidding process as per the terms of the above said Bidding Documents and further till the Contract is entered into with Maharashtra Metro Rail Corporation Limited and thereafter till the expiry of the Contract.
FURTHER RESOLVED THAT a power of attorney as per the draft attached to the Bidding Documents be issued in favour of the above named person,, to be executed by Mr or Mr, Directors of the Company under the Common seal of the Company, affixation thereof to be witnessed by one or both of the above named Directors and by Mr, (insert the name and designation of the concerned official of the Company) or as per the Memorandum and Articles of Association of the Company.
Signature and stamp of Company Secretary / Managing Director/Directors of Bidding entity
Notes:

- 1. This certified true copy should be submitted on the letterhead of the Company, signed by the Company Secretary / Managing Director/Director of the Bidder.
- 2. The contents of the format may be suitably re-worded indicating the identity of the entity passing the resolution.
- 3. In the event the Board resolution is from a company incorporated outside India, the same needs to be notarized by a notary in the home country of company passing the resolution and legalized by the Indian Embassy there. However, in case such company is from a country which has signed The Hague Legislation Convention 1961, then the Board Resolution is not required to be legalized by the Indian Embassy if it carries a conforming Appostille certificate.
- 4. This format may be modified only to the limited extent required to comply with the local regulations and laws applicable to a foreign entity submitting this resolution. For example, reference to Companies Act 1956 may be suitably modified to refer to the law applicable to the entity submitting the resolution. However, in such case, the foreign entity shall submit an unqualified opinion issued by the legal counsel of such foreign entity, stating that the Board resolutions are in compliance with the applicable laws of the respective jurisdictions of the issuing company and the authorizations granted therein are true and valid.

<u>Or</u>

# (B) Format for the Board resolution to be passed by "Lead Member" of JV/Consortium (applicable in case the Bidder is a JV/Consortium)

The Board, after discussion, at the duly convened Meeting on ........... (Insert date), with the consent of all the Directors present and in compliance of the provisions of the Companies Act, 1956, passed the following Resolution:

RESOLVED THAT pursuant to the applicable provisions of the Companies Act, 1956 and as
permitted under the Memorandum and Articles of Association of the Company, approval of the
Board be and is hereby accorded to submit a Bid in response to the Bidding Documents dated
issued by Maharashtra Metro Rail Corporation Limited (Maharashtra Metro Rail
Corporation Limited) for '' [Name of the work] for Maharashtra Metro Rail
Corporation Limited in Consortium with (insert the name and address of the
other Consortium members).
FURTHER RESOLVED THAT pursuant to the applicable provisions of the Companies Act, 1956 and as permitted under the Memorandum and Articles of Association of the Company, approval of the Board be and is hereby accorded to execute a <b>JV/Consortium Agreement</b> as per the formal annexed to the aforesaid Bidding Documents with (insert the name and address of the other <b>JV/Consortium</b> members).
FURTHER RESOLVED THAT approval of the Board be and is hereby accorded to the Company to accept and act as the <b>Lead Member</b> of the aforesaid <b>JV/Consortium</b> and also as true and lawful attorney to do in the name and on behalf of the <b>JV/Consortium</b> , all such acts, deeds and things necessary in connection with or incidental to submission of Consortium's Bid in response to
the Bidding Documents dated Maharashtra Metro Rail Corporation Limited
for ' [name of the work including storing and submission of the Bid and al

documents related to the Bid as specified in the Bidding Documents, including but not limited to undertakings, letters, certificates, acceptances, clarifications, guarantees or any other document, which Maharashtra Metro Rail Corporation Limited may require us to submit and carrying out the Contract and doing all necessary deeds and things as may be required in respect of the above and also for making representations to Maharashtra Metro Rail Corporation Limited and providing information / responses to Maharashtra Metro Rail Corporation Limited, representing the Consortium in all matters before Maharashtra Metro Rail Corporation Limited, and generally dealing with Maharashtra Metro Rail Corporation Limited and/or any other authority in all matters in connection with Consortium's Bid, till completion of the bidding process in accordance with the Bidding Documents and further till the Contract is entered into with Maharashtra Metro Rail Corporation Limited and thereafter till the expiry of the Contract.

FURTHER RESOLVED THAT Mr./Ms......, (insert the name and designation of the concerned official of the Company) be and is hereby authorized to take all the steps required to be taken by the Company for submission of the JV/Consortium's Bid, including in particular, signing the Bid, making changes thereto and submitting amended Bid, signing and executing all the documents related to the Bid, certified copy of this Board resolution or letter or undertakings, etc., required to be submitted to Maharashtra Metro Rail Corporation Limited as part of the Bid or such other documents as may be necessary in this regard and to do in the name and on behalf the JV/Consortium all or any of the acts, deeds or things necessary or incidental to submission of said Bid including signing and executing the Contract Documents, making representations to Maharashtra Metro Rail Corporation Limited or any other authority, and providing information / responses to Maharashtra Metro Rail Corporation Limited, representing the JV/Consortium in all matters before Maharashtra Metro Rail Corporation Limited, and generally dealing with Maharashtra Metro Rail Corporation Limited in all matters in connection with our Bid till the completion of the bidding process as per the terms of the above said Bidding Documents and further till the Contract is entered into with the Company and thereafter till the expiry of the Contract.

FURTHER RESOLVED	IHAI a power of	attorney as pe	er the draft	attached to	the E	3idding
Documents be issued in	favour of the above	e named persor	n,	, to be	execu	ited by
Mr or Mr	, D	irectors of the (	Company u	nder the Cor	nmon s	seal of
the Company, affixation	thereof to be witness	sed by one or bo	oth of the al	ove named	Directo	rs and
by Mr, (	insert the name and	designation of t	he concern	ed official of t	he Con	npany)
or as per the Memorando	um and Articles of A	ssociation of the	e Company			

Signature and stamp of Company Secretary / Managing Director/Directors of Bidding entity

#### Notes:

- 1. This certified true copy should be submitted on the letterhead of the Company, signed by the Company Secretary / Managing Director/Directors of the Bidding Entity.
- 2. The contents of the format may be suitably re-worded indicating the identity of the entity passing the resolution.
- 3. In the event the Board resolution is from a company incorporated outside India, the same needs to be notarized by a notary in the home country of company passing the resolution and legalized by the Indian Embassy there. However, in case such company is from a country which has signed The Hague Legislation Convention 1961, then the Board Resolution is not required to be legalized by the Indian Embassy if it carries a conforming Appostille certificate.

4. This format may be modified only to the limited extent required to comply with the local regulations and laws applicable to a foreign entity submitting this resolution. For example, reference to Companies Act 1956 may be suitably modified to refer to the law applicable to the entity submitting the resolution. However, in such case, the foreign entity shall submit an unqualified opinion issued by the legal counsel of such foreign entity, stating that the Board resolutions are in compliance with the applicable laws of the respective jurisdictions of the issuing company and the authorizations granted therein are true and valid.

	that the Board resolutions are in compliance with the applicable laws of the respective jurisdictions of the issuing company and the authorizations granted therein are true and valid.
C	Format for the Board resolution to be passed by a Member other than the Lead Member of
(-)	JV/Consortium (applicable in case the Bidder is a JV/Consortium)  The Board, after discussion, at the duly convened Meeting on
÷	RESOLVED THAT pursuant to the applicable provisions of the Companies Act, 1956 and as permitted under the Memorandum and Articles of Association of the Company, approval of the Board be and is hereby accorded to submit a Bid in response to the Bidding Documents dated issued by Maharashtra Metro Rail Corporation Limited (Maharashtra Metro Rail Corporation Limited) for '
	Limited in <u>JV/Consortium</u> with (insert the name and address of the other <u>JV/Consortium</u> members).
	FURTHER RESOLVED THAT pursuant to the applicable provisions of the Companies Act, 1956 and as permitted under the Memorandum and Articles of Association of the Company, approval of the Board be and is hereby accorded to execute a <a href="JV/Consortium">JV/Consortium</a> Agreement as per the format annexed to the aforesaid Bidding Documents with (insert the name and address of the other <a href="JV/Consortium">JV/Consortium</a> members).
	FURTHER RESOLVED THAT approval of the Board be and is hereby accorded to constitute, appoint and authorize
	Documents he issued in favour of the above said lead Member to be executed

the C by Mr	by Mr or Mr, Directors of the Company under the Common seal of the Company, affixation thereof to be witnessed by one or both of the above named Directors and by Mr, (insert the name and designation of the concerned official of the Company) or as per the Memorandum and Articles of Association of the Company.										
Document of the concess of the conce	FURTHER RESOLVED THAT a power of attorney as per the draft attached to the Bidding Documents be issued in favour of Mr./Ms, (insert the name and designation of the concerned official of the Company) to be executed by Mr or Mr, Directors of the Company under the Common seal of the Company, affixation thereof to be witnessed by one or both of the above named Directors and by Mr, (insert the name and designation of the concerned official of the Company) or as per the Memorandum and Articles of Association of the Company.										
conce taken execu under of the	HER RESOLVED THAT Mr./Ms, (insert the name and designation of the med official of the Company) be and is hereby authorized to take all the steps required to be by the Company for submission of the aforesaid Bid, including in particular, signing and ing all the documents related to the Bid, certified copy of this Board resolution or letter or akings, etc., required to be submitted to Maharashtra Metro Rail Corporation Limited as part Bid or such other documents as may be necessary in this regard and to do in our name and half all or any of the acts, deeds or things necessary or incidental to give effect to this tion.										
Signa	ure and stamp of Company Secretary / Managing Director/Directors of Bidding Entity										
Notes											
1.	This certified true copy should be submitted on the letterhead of the Company, signed by the Company Secretary / Managing Director/Director of the Bidder.										
2.	The contents of the format may be suitably re-worded indicating the identity of the entity										

- The contents of the format may be suitably re-worded indicating the identity of the entity passing the resolution.
- 3. In the event the Board resolution is from a company incorporated outside India, the same needs to be notarized by a notary in the home country of company passing the resolution and legalized by the Indian Embassy there. However, in case such company is from a country which has signed The Hague Legislation Convention 1961, then the Board Resolution is not required to be legalized by the Indian Embassy if it carries a conforming Appostille certificate.
- 4. This format may be modified only to the limited extent required to comply with the local regulations and laws applicable to a foreign entity submitting this resolution. For example, reference to Companies Act 1956 may be suitably modified to refer to the law applicable to the entity submitting the resolution. However, in such case, the foreign entity shall submit an unqualified opinion issued by the legal counsel of such foreign entity, stating that the Board resolutions are in compliance with the applicable laws of the respective jurisdictions of the issuing company and the authorizations granted therein are true and valid.
- (D) Power of Attorney to be provided by each of the Members of the JV/Consortium (other than the Lead Member) in favour of the Lead Member of Bidding Entity

WHEREAS	Maharashtra	Metro	Rail C	orporation Lin	nited, (t	the 'E	mployer')	has i	ssued	the E	3iddii	าดู
Documents	on	/ Tende	er No.	for inviting Bi	ds for			[nam	e of th	e wo	ork] f	OI
				Me a	* N							

Maharashtra Metro Rail Corporation Limited on the terms and contained in the Bidding Documents;
AND WHEREAS, and
AND WHEREAS all the Members of the <u>JV/Consortium</u> have agreed under the <u>JV/Consortium</u> Agreement dated entered into between all the Members and submitted along with the Bid to appoint (Insert the name and address of the Lead Member) as Lead Member to represent all the Members of the <u>JV/Consortium</u> for all matters regarding the Bidding Documents and the Bid;
AND WHEREAS pursuant to the terms of the Bidding Documents and the <u>JV/Consortium</u> Agreement, we, the Members of the <u>JV/Consortium</u> hereby designate M/s (Insert name of the Lead Member) as the Lead Member to represent us in all matters regarding the Bid and the Bidding Documents, in the manner stated below:-
Know all men by these presents, We
We, as Members of the Consortium, hereby agree to ratify all acts, deeds and things done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall be binding on us and shall always be deemed to have been done by us.
All the terms used herein but not defined shall have the meaning ascribed to such terms in the Bidding Documents.
Signed by the within named
Rall Po

Signatu	ire of Executant
Dated t	his day of
Accepte	ed
	re of Attorney designation and address of the Attorney)
Attested	
(Signati	ure of the executant) designation and address of the executant)
Signatu	re and stamp of Notary of the place of execution
	on seal of
WITNE	SS:
1.	(Signature)
	Name
	Designation
2,	(Signature)
	Name
Notes:	Designation

- 1. The mode of execution of the power of attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and the same should be under common seal of the executant affixed in accordance with the applicable procedure. Further, the person whose signatures are to be provided on the power of attorney shall be duly authorized by the executant(s) in this regard.
- 2. In the event, power of attorney has been executed outside India, the same needs to be notarized by a notary in the home country of company executing this power of attorney and legalized by the Indian Embassy there. However, in case such company is from a country which has signed The Hague Legislation Convention 1961, then the said power of attorney is not required to be legalized by the Indian Embassy if it carries a conforming Appostille certificate.
- 3. Also, wherever required, the executant(s) should submit for verification the extract of the chartered documents and documents such as a Board resolution / power of attorney, in favour of the person executing this power of attorney for delegation of power hereunder on behalf of the executant(s).

## (E) Format for PoA for Lead Member of <u>JV/Consortium</u> POWER OF ATTORNEY

(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution and notarised with Notary Public. Foreign companies submitting Bids are required to follow the applicable law in their country)

Power of Attorney to be provided by the BidderCompany/ **Lead Member** in favour of its representative as evidence of authorized signatory's authority.

Know all men by these presents, We
We hereby agree to ratify all acts, deeds and things done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall be binding on us and shall always be deemed to have been done by us.
(Add in the case of a <u>JV/Consortium</u> )
Our firm is a Member/Lead member of the <u>JV/Consortium</u> of and
All the terms used herein but not defined shall have the meaning ascribed to such terms under the Bidding Documents.
Signed by the within named
Dated this day of
Accepted
Signature of Attorney (Name, designation and address of the Attorney)
Attested
(Signature of the executant)

(mame,	designation and address of the executant)
	re and stamp of Notary of the place of execution
	on seal of has been affixed in my/our presence pursuant to Board of Director's ion dated
WITNE	
1.	(Signature)
	Name
	Designation
2.	(Signature)
	Name
	Designation

### Notes:

- 1. The mode of execution of the power of attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and the same should be under common seal of the executant affixed in accordance with the applicable procedure. Further, the person whose signatures are to be provided on the power of attorney shall be duly authorized by the executant(s) in this regard.
- 2. In the event, power of attorney has been executed outside India, the same needs to be duly notarized by a notary public of the jurisdiction where it is executed.
- 3. Also, wherever required, the executant(s) should submit for verification the extract of the charter documents and documents such as a board resolution / power of attorney, in favour of the person executing this power of attorney for delegation of power hereunder on behalf of the executant(s).



## (F) Format for PoA for Other Member(s) POWER OF ATTORNEY

(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution and notarised with Notary Public . Foreign companies submitting Bids are required to follow the applicable law in their country)

Power of Attorney to be provided by <b>each Member</b> other than the <b>Lead Member</b> in favor of its representative as evidence of authorized signatory's authority. (Applicable to <b>JV/Consortium</b> only)
Know all men by these presents, We
We hereby agree to ratify all acts, deeds and things done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall be binding on us and shall always be deemed to have been done by us.
(Add in the case of a Consortium)
Our firm is a Member of the Consortium of and
All the terms used herein but not defined shall have the meaning ascribed to such terms under the Bidding Documents.
Signed by the within named
Dated this day of
Accepted
Signature of Attorney (Name, designation and address of the Attorney)
Attested
(Signature of the executant) (Name, designation and address of the executant)
Signature and stamp of Notary of the place of execution



	ition dated	ssence pursuant to board or birect	013
WITNE	ESS		
1.	(Signature)		
	Name		
	Designation		
2.	(Signature)		
	Name		
	Designation		

#### Notes:

- 1. The mode of execution of the power of attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and the same should be under common seal of the executant affixed in accordance with the applicable procedure. Further, the person whose signatures are to be provided on the power of attorney shall be duly authorized by the executant(s) in this regard.
- 2. In the event, power of attorney has been executed outside India, the same needs to be duly notarized by a notary public of the jurisdiction where it is executed.
- 3. Also, wherever required, the executant(s) should submit for verification the extract of the charter documents and documents such as a board resolution / power of attorney, in favour of the person executing this power of attorney for delegation of power hereunder on behalf of the executant(s).



### Corrigendum-II PART-A: Response to Pre-Bid Queries

### 13-Mar-25

Name of Work: Design, Supply, Installation, Testing & Commissioning of 25kV Flexible Overhead Catenary System, associated 25kV Sectioning Posts, 33kV Auxiliary Sub-Station (ASS), associated Cabling and SCADA Systems for PCMC-Nigdi Elevated Extension of Pune Metro Rail Project

SN	Vol No.	Clause no	Tender condition	Bidder's Queries	Maha-Metro's Response
1	Part 1 Section-3 Eligibility and evaluation criteria	Clause no 4.1 General experience	The experience under similar contracts (as single entity or Lead member of JV) shall be at least five (5) years (the 05 Year period shall end on the Base Date i.e. 28 days prior to the Last date of Bid Submission)	We kindly request that you reconsider the requirement for similar work experience in the tender. Typically, utility companies do not demand identical experience in general experience, and not all tenders mandate bidders to have completed electrical work contracts on a turnkey basis for over 5 years. We believe our overall experience and qualifications make us a suitable for this project. We would appreciate it if you could consider our request and evaluate our bid based on our general experience and capabilities. We are requesting you to please consider our request.	Tender Conditions prevail.
2	Part 1 Section-3 Eligibility and evaluation criteria	Clause no 4.2 Specific experience	Requirement  A) Bidder should have "similar work experience during Last 10 (years) years (the 10 Year period shall end on the flate Uate ic. 28 days prior to the Last date of Bid Submission) and should be either of the following:  The Bidder must have satisfactorily executed "similar Works" amounting to not less than INR 34.30 Cr, under One Contracts.  OR  The Bidder must have satisfactorily executed "similar Works" amounting to not less than 21.44 Cr each under two Contracts.  OR  The Bidder must have satisfactorily executed "similar works" amounting to not less than 21.44 Cr each under two Contracts.  OR  The Bidder must have satisfactorily executed "similar works" amounting to not less than 17.15 Cr each under two Contracts.  OR  The Bidder must have satisfactorily executed Similar works amounting to not less than 18.17.15 Cr each under two Contracts.  I) The works under 4.2 must have been completed or substantially completed.	We request you to please accept all members combined full fill this requirement.	Tender Conditions prevail.
3	Part 1 Section-3 Eligibility and evaluation criteria	Clause no 4.1 General experience	The experience under similar contracts (as single entity or Lead member of JV) shall at least five (5) years (the 05 Year period shall end on the Base Date i.e. 28 days prio to the Last date of Bid Submission)		Tender Conditions prevail.
4	Part 1 Section-3 Eligibility and evaluation criteria	Clause no 4.1 General experience	All Non - Lead members - Must meet Min 20% (Twenty Percent ) of the requirement Lead members - Must meet Min 51% (Fifty one Percent ) of the requirement	Tender Conditions prevail.	
5	Part 1 Section-3 Eligibility and evaluation criteria	Special notes to Section-3	"*Similar Work" means "Design, supply, installation, testing and commissioning of 28 kV flexible overhead catenary system, associated 25 kV sectioning posts, 33 kV auxiliary sub-station (ASS), associated cabling and SCADA systems collectively" for Metro Rail Projects/Public Sector Units/Indian Railways Mainlines/High-Speed Rails etc.	We request you to kindly ammend this clause for 33KV Auxillary substation (ASS) and modify it as "33KV Auxillary Substation or more"	Tender Conditions prevail.



Maha-Metro Corrigendum-I Part-A

Name of Work: Design, Supply, Installation, Testing & Commissioning of 25kV Flexible Overhead Catenary System, associated 25kV Sectioning Posts, 33kV Auxiliary Sub-Station (ASS), associated Cabling and SCADA Systems for PCMC-Nigdi Elevated Extension of Pune Metro Rail Project

SN	Vol No.	Clause no	Tender condition	Bidder's Queries	Maha-Metro's Response
6	Section I ITB	Ci 4.7	The minimum local content in procurement value of this Tender shall be as per the above Policy circulars. The Bidder shall upload in the online Technical Package, a scanned copy of certificate from the statutory auditor or cost auditor of the company (in case of companies) or from a practising cost accountant or practising chartered accountant (in respect of suppliers other than companies) giving the percentage of local content. The Bidders shall deliver the original certificate (hard copy) to Maha-Metro within 07 days from the 'last date of Bid submission'.	We have seen previously in all of the railway and metro tenders that the normal practice is adopted for requirement of CA certification instead of Statutory auditor certification for Local content declaration.  Request you to allow the same.	Tender Conditions prevail.
+ 7	Section IX PCC	Cl 14.1	Custom Duty and Excise duty applicability and inclusion in their quoted price	The project is funded by GOI and GOM, hence kindly confirm if:  1) Exemption of custom duty as per notification no. 84/97-Cus., dated 11.11.1997 is applicable OR 2) Concessional custom duty under Chapter 98.01 of Customs tariff Act for Project Imports is applicable.	Tender Conditions prevail.
8	Section IX PCC	Cl 14.8	Sub-clause 14.8 (Delayed Payment) of GCC is not applicable to this	Any delay in payment to the contractor affect the overall cashflow of the project and the bidder is left with no other option except to incur financial charges to the extent of delayed payments through other sources (bankers/finances).  In view of the above it is requested to delete PCC 14.8 and retain FIDIC Yellow book clause 14.8.	Tender Conditions prevail.
9	Section IV Bidding Forms	Form 35 POA	Format of Power of Attorney including signing and submission of the Bid and all other document related to the bidding, including but not limited to undertakings, letters, certificates, acceptances, clarifications, guarantees or any other document which the Company may require us to submit and also signing and executing the Contract Document. The aforesaid Attorney is further authorized for making representations to the Company or any other authority, and providing information / responses to the Company, representing us in all matters before the Company, and generally dealing with the Company in all matters in connection with our Bid till the completion of the bidding process as per the terms of the Bidding Document and further till the Contract is entered into with the Company and thereafter till the expiry of the Contract.	It is requested to replace word Company with Maharashtra Metro Rail Corporation Limited (MMRCL) in POA Format for its better understanding as the word "Company" itself implicate the bidder.	Please refer Part-B of Corrigendum-II for revised format.



Maha-Metro Corrigendum-If Part-A

Name of Work: Design, Supply, Installation, Testing & Commissioning of 25kV Flexible Overhead Catenary System, associated 25kV Sectioning Posts, 33kV Auxiliary Sub-Station (ASS), associated Cabling and SCADA Systems for PCMC-Nigdi Elevated Extension of Pune Metro Rail Project

SN	Vol No.	Clause no				Tender	condition		Bidder's Queries	Maha-Metro's Response
10	Section IV Bidding Forms	Form 16						9	As per accounting terms Liquid Assets mean cash and cash equivalents, short-term financial instruments, short term available-for-sale-securities, marketable securities, trade receivables, short-term financing receivables and other assets that can be converted into cash within one year and Liqui Liabilities are short-term financial obligations that a company owes to its creditors and suppliers.  It is requested to please state what components of Current assets and Current liabilities needs to be included in calculating Liquid Assets and Liquid Liabilities.	·
11	Section-3: Eligibility & Evaluation Criteria	Cl 3.1 (b) ,( c) , (d) 3.2	"" Only Statutory Auditor's certificate required to be enclosed with bid. The certificate must be with UDIN"" "						Standalone financials certified by statutory auditor are part of Siemens Annual reports and published in public portal and available for anybody scrutiny. In view of the above we request you to accept certification from Chartered Accountant required in the following forms instead of Statutory auditor. Form -16 Financial Situation and Performance of Bidder Form- 17 Average Annual Turnover Form-18 Financial Resources Format- 19 Current Contract Commitments	Tender Conditions prevail.
12	PART 2: WORKS REQUIREMENTS	APPENDIX VII-B10: KEY PERSONNEL, CONSTRUCTION MACHINERY, SHE MANPOWER	1. Personnel (Bidder shall use TP.1 Form of Technical Proposal to submit the detail) iv. The Bidder shall provide details of the proposed personnel and their experience records using TP-1 Form of Technical Proposal included in Section IV, Bidding Forms of Part-1: Bidding Procedure.  2. Equipment (Bidder shall use TP.2 Form of Technical Proposal to submit the detail) The Bidder shall provide further details of proposed items of equipment using TP-2 Form of Technical Proposal included in Section IV, Bidding Forms of Part-1: Bidding Procedure.					ersonnel and their experience ed in Section IV, Bidding Forms of Proposal to submit the detail) ems of equipment using TP-2	It is requested to provide format of Form TP.1 and Form TP.2	Please refer SN 1 & 2 of Part-B of Corrigendum-II.
13		SECTION VII-B: WORKS REQUIREMENT – PARTICULAR SPECIFICATION APPENDIX VII-B10: KEY PERSONNEL, CONSTRUCTION MACHINERY, SHE MANPOWER		Position  Dy Chief Project Manager  Project Manager	Nos. 1	Total Work Experience (years)  12 years  10 years	in Similar Works Experience (years) 10 years 8 years	Remarks  To be mobilized within one month of award and shall be posted full time in Pune till completion of project  To be mobilized within one month of award and shall be posted full time in Pune till completion of project	Being the small project of 4 stations, project can be managed by Project manager, hence it is requested to delete requirement of Dy. Chief Project Manager	Tender Conditions prevail,



SN	Vol No.	Clause no	Tender condition	Bidder's Queries	Maha-Metro's Response
		***************************************	1.1.27 Defects Notification Period (DNP) / Defect Liability Period (DLP):	Commissioning of asset for public uses attracts completion of other activities which can not be directly controlled by system works contractor.	THE THE STATE OF T
14			over whichever is later.	In view of the above It is requested to modify the clause as under: 24 Months from the date of Commissioning of assets for public uses/system taking over whichever is earlier.	Tender Conditions prevail.
1 1	Part-3: Conditions of Contract and Contract Forms	Section - IX: Particular Conditions of Contract (PC) Annexure IX - F	and Site Testing works (Cost Center C): - This is applicable only for items in cost center	We request to extend this clause for Cost Centre A, Cost Centre D under section PH-1A PSI & PH-1A OHE, COST CENTRE No. A1,A3, COST CENTRE E: Supervision of Maintenance under MS Schedule.	Tender Conditions prevail.
16	Part-3: Conditions of Contract and Contract Forms	Section - IX: Particular Conditions of Contract (PC) Annexure IX - F	Total admissible price variation amount shall be subject to a ceiling of $\pm$ 20% (Plus/Minus Twenty Percentage only) of Equivalent Contract Price in INR considering currency conversion factor at the time of bid. The above price variation shall only be applicable for items quoted in Indian Rupees.	It is requested to provide Price Variation for items quoted in Foreign Currency.	Tender Conditions prevail.
17	Part-3: Conditions of Contract and Contract Forms	Section IX: Particular Conditions of Contract (PCC) PCC 2.1	If the Contractor suffers delay from failure on the part of the Employer to grant right of access to, or possession of the Site, the Contractor shall give notice to the Engineer in a period of 28 days of such occurrence.  After receipt of such notice the Engineer shall proceed to determine any extension of time to which the Contractor is entitled and shall notify the Contractor accordingly.  For any such delay in handing over of site, Contractors will be entitled to only reasonable extension of time as per Sub-Clause 8.5 Extension of Time for Completion.		Tender Conditions prevail.
18	PART 4:	PRICING DOCUMENT BOQ_199946	Cover No Cover Type Description Document Type  Tender Document Typ	Excel BOQ have only one summary page. Appendix B to G is not available in the documents.  As per E-portal Scan copy of Signed and Stamped copy of entire Financial Bid(Pricing documents) is required. Bidder understand that only Boq(P1A-TR-03/2025) signed and stamp along with Part 4 Financial Bid required in Mahatender portal and no other document required. Please confirm our understanding.  It is requested to provide excel copy of Part 4 Financial Bid.	Only summary of Financial Bid to be filled in Excel. Rest of the Financial Bid needs to be filled manually and then Bidder shall upload the scanned pdf.



SN	Vol No.	Clause no	Tender condition	Bidder's Queries	Maha-Metro's Response
19	Section-3: Eligibility & Evaluation Criteria	Special Notes to Section-3: (iii)	For arriving at cost of similar work, the actual value of work executed shall be brought to current costing level by considering 5% inflation (for INR portion) and 2% inflation (for foreign currency portion) per year compounded annually, calculated from the date of completion to the base date (28 days before last date of Bid submission).	For evaluation purpose all the prices will be converted into INR using exchange rate after considering inflation.  For foreign currency conversion, bidder understand that exchange rate applicable shall be as per BDS 32.1 which is at the close of business 28 (twenty-eight) days before the last date of Bid submission.  Kindly confirm.	ITB 32.1 is self explanatory.
20	Part 2 Works Requirements - General Specification	Appendix 9 9.0 WORKS AREAS	(d) In addition to these principal Works Areas, the Contractor will be required to establish secondary Works Areas at, for example, station locations. The Contractor shall submit to the Employer's Engineer proposals for the use and occupation of these secondary Works Areas, such submissions being at least sixty (60) days prior to the programmed use of the specific Works Area.	Bidder Understand that land for contractor's store set up along with office shall also be provided free of charge.  Please confirm.	If available, store land will be provided. However office to setup space will not be provided.
21	Part-3: Conditions of Contract and Contract Forms	Section IX: Particular Conditions of Contract (PCC)	where the Contract allows for Cost  1.1.20 Plus Profit, percentage profit to be added to the Cost  Not Applicable	Please reinstate FIDIC condition to allow reasonable Profits on the additional cost incurred by Contractor.	Tender Conditions prevail.
22	Part 2 Works Requirement - Particular Specification	14.0 MISCELLANEOUS	14.1.1.1 The successful bidder has to provide following to MAHA-METRO or its designated Engineer for the proper Management & supervision of construction work till completion of DLP:  (a) One air-conditioned Innova / equivalent Car (which shall be provided at the commencement of the Works as agreed by the Employer's Representative).  (b) One air-conditioned vehicle, (Ertiga/Equivalent) (which shall be provided at the commencement of the Works as agreed by the Employer's Representative) for round the clock.	We understand that requirement at Sr. no.b (Ertiga/equivalent) shall be provided during normal office hour (8 Hours) instead of round the lock i.e. 3x8 hours.  Kindly confirm our understanding	Tender Conditions prevail.
23	Part 2 Works Requirement - Particular Specification	Clause 10.4.1.5.7	3	Since cost with respect to this clause is not ascertain, requesting you to delete the scope from the bidder.	Tender Conditions prevail.



Maha-Metro

Name of Work: Design, Supply, Installation, Testing & Commissioning of 25kV Flexible Overhead Catenary System, associated 25kV Sectioning Posts, 33kV Auxiliary Sub-Station (ASS), associated Cabling and SCADA Systems for PCMC-Nigdi Elevated Extension of Pune Metro Rail Project

SN	Vol No.		Tender condition	Ridder's Oueries	Maha-Motro's Dosponso
	Part-3: Conditions of Contract and	Clause no Annexure IX - G	BIM Process Requirement	Bidder's Queries Bidder understand that license cost per year mentioned for scheduling	Maha-Metro's Response
24	Contract Forms	IT / 5D-BIM Requirements of the Employer	<b>3.</b> Allocation of 5D BIM License – As per the contract requirement Maha Metro will allocate the required number of licenses for Maha Metro's 5D BIM platform. The cost of the license provided would be recovered from the contractor on yearly basis. The	application refers to P6 and CDE refers to Bentely ProjectWise & AssetWise and RIB iTWO 5D BIM software.  Kindly confirm.	Scheduling application refers to P6.  CDE refers to Bentley/Autodesk/any other equivalent software or Maha-Metro's in-house solution.  RIB iTWO software will be used for 5D BIM integration.
25	General	General	General	It is requested to share the deviation format in case of deviations are acceptable.	Deviations are not allowed
26	Part 2 Works Requirement - Particular Specification	3.7.1	IACS (Industrial automation and control system) - SCADAs, BMS, TCMS & related NMS (of all communication systems) shall provide relevant data/information required to integrate with Asset Management System (AMS) of Maha-Metro, which would enable maintenance staff to assess the need for unscheduled preventive/failure/breakdown maintenance based on degradation of normal operating parameters	existing SCADA, no separate interface with the AMS is required under this contract. The data needed by the AMS system from the newly added stations will be obtained from the existing SCADA via the existing AMS	Your understanding is correct. The data of newly added stations to be shared with AMS of Maha Metro
27	Part 2 Works Requirement - Particular Specification	4.5.9	Expandability: The size of the system must be sufficient to allow the addition of new equipment to be supervised. It should be borne in mind that the system represents roughly 75% of the final project. The system provided will therefore incorporate the relevant expandability requirements. The various phases of line extension will be as much as possible performed by simple addition of racks, or cards on a modular basis.	As per the bidder's understanding, only 4 stations need to be integrated into the existing Phase 1 SCADA system. Therefore, we assume that there is sufficient expansion capacity available in the Phase 1 SCADA system for the integration of these 4 stations. Since our scope is limited to integration into the existing SCADA, the expandability clause does not apply to this tender.  Please clarify.	This is Design & Built contract, the Bidder to
28	Part 2 Works Requirement - Particular Specification	8.0	SCADA SYSTEM	As per the bidder's understanding, Chapter 8 defines the functions and technical requirements of the complete SCADA system. However, our scope is limited to integrating 4 stations into the existing SCADA. Therefore, we will utilize all technical and functional requirements released under Phase 1 SCADA by M/s Hitachi Energy for the integration of these 4 stations. The technical and functional requirements defined in this chapter are for informational purposes only and are not applicable to this tender. Please clarify.	This is Design & Built contract, the Bidder to interface with OEM M/s Hitachi and propose suitable SCADA system. The same is clarified in note under chapter 8, clause 8.0 SCADA SYSTEM.
29	Part 2 Works Requirement - Particular Specification	8.3.3.2.h	RTU shall support time synchronization through messages received from master station using IEC 60870-5-101 protocol.	According to clause 3.2.3.4, since the communication between OCC and BOCC uses the IEC 60870-5-104 protocol, the bidder understands that time synchronization will also be done using the IEC 60870-5-104 protocol.  Kindly confirm	Your understanding is correct.

Maha-Metro Corrigendum-I/Part-A

Name of Work: Design, Supply, Installation, Testing & Commissioning of 25kV Flexible Overhead Catenary System, associated 25kV Sectioning Posts, 33kV Auxiliary Sub-Station (ASS), associated Cabling and SCADA Systems for PCMC-Nigdi Elevated Extension of Pune Metro Rail Project

SN	Vol No.	Clause no	Tender condition	Bidder's Queries	Maha-Metro's Response
30	Part 2 Works Requirement - Particular Specification	8.3.5	SAS/SCADA requirements of Phase1 Extension is to be incorporated in existing system of phase-1. Any additional item required in existing RSS, OCC, BOCC, Training centers etc shall be in scope of Power supply Contractor in order to make the system fully functional & compatible to Pune metro phase -1.	As per the bidder's understanding, additional item requirements only refer to related communication equipment. No addition/upgradation of new servers, workstations, monitors, or printers at OCC, BCC, or RSS should be covered under this clause. If any new or upgradation of servers, workstations, monitors, printers, etc., are required, please provide the quantity and location.	This is Design & Built contract, the Bidder to interface with OEM M/s Hitachi and propose suitable SCADA system. The same is clarified in note under chapter 8, clause 8.0 SCADA SYSTEM.
31	Part 2 Works Requirement - Particular Specification	3.2.2.4 (w)	Mast foundations and geotechnical investigations shall be done as per the foundation's design and calculation.	Total section is elevated & OHE shall be supported by structures with base plate so no need to do the foundation work for track side equipment also.  This clause is not applicable for elevated section.  Kindly confirm	Your understanding is correct.
32	Part-3: Conditions of Contract and Contract Forms	IX and 1.6	The costs of stamp duties and similar charges (if any) imposed by law and as per Stamp Duty Act (amended from time to time) of state in which the work is executed, in connection to entering into the Contract Agreement, shall be borne by the Contractor.	Bidder understands that "similar charges" included in the sub-clause only refer to stamp duty.  Also please confirm there is no requirement of registration of contract in this tender.	Tender Conditions Prevail.
33	Part-3: Conditions of Contract and Contract Forms	IX and 2.7	Add a new Clause 2.7: The Employer shall be fully entitled without consent of the contractor to assign any part of work to any third party at the risk and cost of the contractor by giving 14 days' notice when the contractor is behind the schedule and causing undue delay.	Request deletion of this clause.	Tender Conditions Prevail.
34	Part-3: Conditions of Contract and Contract Forms	IX and 11.12	Add a new sub-clause 11.12: Emergency defect rectification If any defect or damage is requiring immediate attention from safety, environmental or operational viewpoint, the Employer/Engineer has the authority to proceed with rectification in any manner suitable and deduct such sums from the Contract Price.	This clause is open ended and does not provide an opportunity to the contractor to perform rectification. Hence it is requested to modify as under.  "If any defect or damage is requiring immediate attention from safety, environmental or operational viewpoint, the Employer/Engineer has the authority to proceed with rectification in any manner suitable and deduct-such sums from the Contract Price."	Tender Conditions Prevail,
	Part-3: Conditions of Contract and Contract Forms	IX and 14.17	Add a new sub clause :14.17: Recovery of money due to the Employer  All damages (including, without limitation, liquidated damages), costs, charges, expenses, debts, or sums for which the Contractor is liable to the Employer under any provision of the Contract may be deducted by the Employer from monies due to the Contractor under the Contract including, without limitation, and the Employer shall have the power to recover any balance not so deducted from monies due to the Contractor under any other contract between the Employer and the Contractor.	Any contract is awarded to the bidder based on the financial qualifications evaluated by the customer. individual contracts are dealt with the merits of the terms and conditions written within the contract and its boundaries.  In view of the above it is requested to delete the condition.	Tender Conditions Prevail.



Maha-Metro Corrigendum-lfPart-A

Name of Work: Design, Supply, Installation, Testing & Commissioning of 25kV Flexible Overhead Catenary System, associated 25kV Sectioning Posts, 33kV Auxiliary Sub-Station (ASS), associated Cabling and SCADA Systems for PCMC-Nigdi Elevated Extension of Pune Metro Rail Project

SN	Vol No.	Clause no	Tender condition	Bidder's Queries	Maha-Metro's Response
	Part-3: Conditions of Contract and Contract Forms	IX and 15.8	Add a new sub clause :15.8  Non-exercise of power not to constitute waiver Provided always that in case any of the powers conferred upon the Employer by Clause 15 (Termination by Employer), shall have become exercisable, and the same may not have been exercised, the non-exercise thereof shall not constitute waiver of any of the conditions thereof.	It is requested to delete this clause.	Tender Conditions Prevail.
L U	Part 2 Works Requirement - Particular Specification	2.2.3	Power supply for the above corridors is received at existing 132 kV RSS at following locations. The Receiving substations are already commissioned. The 25kV OHE and 33kV Auxiliary ring supply shall be extended to these extension corridors from the existing Receiving Substations (RSS)	We understood that 33kV MV cable extended from PCMC Station toward Bhakti Shakti station. Hence no work modification consider at 132kV RSS/33kV AMS Switchgear end.  Kindly confirm.	Please Refer SN 3 of Part-B of Corrigendum-II.
1 1	Part 2 Works Requirement - Particular Specification	2.3.1 (f)	The Contractor shall carry out Traction Simulation study to ascertain the load requirement of the system to verify the sizes of the equipment's (OHE & Power Supply), ropose the location of neutral section if required considering both phase-1 extension corridor and submit report for approval by the Employer.  Dynamic simulation study for interaction between contact line and pantograph shall also be carried out by the Contractor to ascertain the compatibility of the system and submitted to Employer for approval.  (o) The system should be designed such that the power factor of Complete Phase-1 & extension corridor system should be more than 0.98 at all points of metering.	Input required of AC simulation study for phase 1 extention, so it is requested to provide Existing phase - 1 Simulation study as input as per below list:  1. Single Phase AC Traction Load flow and SC study,  2. Three Phase AC Load flow and SC study,  3. Dynamic simulation study.  4. Power factor study.	Available Inputs will be provided to succesful bidder
39	Part 2 Works Requirement - Particular Specification	2.3.1 (m)	<ul> <li>(m) The modifications in Phase-1 extension works &amp; Integration of extension corridors with Phase-1 systems requires working under PTW &amp; in only non-revenue hours.</li> <li>(p) The tie feeding arrangement between Switchboard-1 &amp; 2 at PCMC ASS, shall have to be modified in order to extend 33kV ring main supply to the extension corridor.</li> </ul>	We understood that the PCMC station has only modifiation work under this contract. Hence 33kV ASS O/G panels, 33kV cable termination, cable diffierential relay are already available. Only 33kV cable to be exteded towards Bhakti Shakti stations.  Kindly confirm.	Tender Conditions Prevail.
40	General		Drawing	It is requested to kindly provide PCMC TSS equipment layout, PCMC TSS to FP existing cable layout 25kV TSS SLD, GA input for 25kV cable termination.	Refer tender drawing for PCMC RSS to FP existing cable. PCMC 25kV SLD and GAD refer Annexure-1 of Corrigendum-II.
41	Part 2 Works Requirement - Particular Specification	3.2.1.2	The scope of work broadly includes design, supply, installation, inspection, testing and commissioning of:  (a) Feeding arrangements to the overhead contact system with suitable protection at feeding post. (Other protection relays at FP, SP, SSP etc. if foreseen, shall be under the scope of OHE Contractor. However, the final scheme shall be as per design of the Contractor.).	switching Stations (SSs, SP & SSPs).	Your understanding is correct.



SN	Vol No.	Clause no	Tender condition	Bidder's Queries	Maha-Metro's Response
42	Part 2 Works Requirement - Particular Specification	5.3.2.1	The 27.5 kV switchgear shall be indoor switchgear and shall consist of structure mounted Circuit breakers, interrupter and isolators electrically linked.	We understood that the indoor 25kV Switchgear inside RSS is not part of this contract, only 25kV termination shall be done if required.  Kindly confirm.	Your understanding is correct.
43	Part 2 Works Requirement - Particular Specification	6.1.2.1.6	All parts shall withstand at least 10000 operations without any signs of detriment.	10000 operations shall be envisaged only for Cicuit breaker as per IEC 62271. Kindly confirm.	Your understanding is correct.
44	Part 2 Works Requirement - Particular Specification	6.1.3.7, 6.1.3.8 and 7.3.13	Each battery shall be of stationary compact, nickel-cadmium type. They shall be maintenance free.  The battery charger shall be Float cum Boost type suitable for charging Ni-Cd cells and duly certified, accepted by the battery manufacturer.  7.3.13 110 V DC Power Supply System  DC control supply for ASS and Switching post shall be catered by Batteries from S&TC contractor. 2 Nos of feeders will be provided by S&TC contractor at their Distribution board. Supply and laying of cables from S&TC contractor distribution board to DCDB at ASS shall be in scope of Power supply and Traction contraction	Bidder understand that the battery and battery charger shall be part of S&TC contractor scope of supply. Hence Battery bank and its chargers are not part of this contractor, Kindly confirm.	Your understanding is correct.
45	Part 2 Works Requirement - Particular Specification	7.1.2.1	All 33 kV cables (from AMS to ASS and ring cables) shall be provided with pilot wire protection along with overcurrent & earth fault relays.	Bidder understands that two ring feeders and one transformer feeder shall be part of each ASS. Hence infeed ASS switchgear not part of this contract.  Kindly confirm	Your understanding is correct.
46	Part 2 Works Requirement - Particular Specification	7.3.6.1	Dry Type Transformers to be designed with immunity against switching surges. The transformer shall be provided with RC snubber circuit /surge arrester with Phase to Phase & Phase to Earth along with surge counter as per requirement.	Surge arrester with Phase to Phase & Phase to Earth along with surge counter shall be envisaged. Kindly confirm.	Tender Conditions Prevail.
47	Part 2 Works Requirement - Particular Specification	7.3.10.5.1	specified voltage: 19/33 or 33/33 kV rms (according to IS 7098-2) as per design requirement.  3.1 33kV Cables	Technical sheets are conflict with IS 7098, So we are offered MV cable voltage level 19/33kV as per IEC60502 as per technical sheet. Kindly confirm.	Tender Conditions Prevail.
48	Part 2 Works Requirement - Particular Specification	7.3.10.5.2	Indoor Cables: Indoor cables shall be non-fire propagating, non-toxic and non-smoke producing and conform with the UTE standard 32 700, test No 2, IS 7098. Flame barrier tape shall be provided at suitable location (above XLPE).	All 33kV cable offered 19/33/36kV XLPE FRLS AL conductor for for elevated station and switchgear room.  Please confirm	Tender Conditions Prevail.
49	Part 2 Works Requirement - Particular Specification		All Compensator Panels shall be integrated together under a common network. They will be able to communicate with each other and in the event of any changes in the mode of operation (i.e. ASS is shifted from RSS to other RSS as the case may be or ASS shifted from CKT-1 to CKT-2) the same should be immediately detected and appropriately action should be taken by the Compensator Panel network to maintain PF > 0.98 at Point of common coupling (PCC) of all RSS/TSS of Phase-1 Extension.	Under this contract bidder is responsible only for Phase 1 extension station	Point of Common coupling at RSS will include 33k and 25kV network combined
		(agt )		Kindly confirm.	

Tender No: P1A-TR-03/2025

SN	Vol No.	Clause no	Tender condition	Bidder's Queries	Maha-Metro's Response
50	Part 2 Works Requirement - Particular Specification	9.2.1	The current carrying capacity of metallic sheath shall be 14kA minimum for 1 sec	14kA for 1 second is overated metallic sheath, 1kA for 3 second is adequate size for 33kV cable due to NGR ground of 33kV secondary terminat of AMT at RSS.  Kindly confirm.	Tender Conditions Prevail.
51	Part 2 Works Requirement - Particular Specification	7.3.6.2.2	Type test of at least one number of Dry type transformer of each capacity shall pass Fire behaviour test as per the clause 28 of IEC 60076-11 or latest.	There is no set up arrangement in India of any dry type transformer by manufacturer, you are requested to delete the requirement of Fire behaviour test based on proven design .	Please Refer SN 4 of Part-B of Corrigendum-II.

(Rajeev Kumar)

Executive Director/Procurement and Contracts



Tender No: P1A-TR-03/2025

SN	Part	Clause no	Description as per Tender Document	Revised herewith as
	Part 2 Works Requirement -	3.1.14	This contract shall include linking & installation of new OHE in	This contract shall include linking & installation of new OHE in Phase 1
	Particular Specification		Phase 1 section of Pune metro along with the extension work. The	section of Pune metro along with the extension work. The Phase-1 OHE has
			Phase-1 OHE has to be erected from chainage (-) 915.3992 to	to be erected from chainage (-)614.399 to PCMC dead end chainage (-
7			PCMC dead end chainage (-)1079.3992 i.e. 0.5 RKM approx. for	)1079.3992 i.e. 0.5 RKM approx. for both UP and DN line and this aspect
			both UP and DN line and this aspect shall be considered during	shall be considered during pricing. No extra payment shall be made for
			pricing. No extra payment shall be made for work under PTW for	work under PTW for this work.
			this work.	
	Part 2 Works Requirement -	APPENDIX VII-B3 : DATA		New clause added:
	Particular Specification	(TECHNICAL) SHEETS		
8				3.3) Return Cable (3.3kV )
				Data Sheet attached as Annexure-3 to Corrigendum-II.
9	Part 4 Pricing document	Section Ph1-A PS Cost	33kV AIS Panels	33kV GIS Panel
3		center B B1.4.1		
10	Part-1, Section-IV Bidding	Format for Power of	Form-24	Please refer Annexure-4 to Corrigendum-II for revised Form-24
	Forms	Attorney		

Attachments to Corrigendum-II:

Annexure-1- Drawings

Annexure-2- Form4A

Annexure-3- Data Sheet

Annexure-4- Format for Power of Attorney

Rajeev Kumar

Executive Director/Procurement and Contracts

### Corrigendum-II PART-B: Changes in Tender Conditions

13-Mar-25

Name of Work: Design, Supply, Installation, Testing & Commissioning of 25kV Flexible Overhead Catenary System, associated 25kV Sectioning Posts, 33kV Auxiliary Sub-Station (ASS), associated Cabling and SCADA Systems for PCMC-Nigdi Elevated Extension of Pune Metro Rail Project

SN	Part	Clause no	Description as per Tender Document	Revised herewith as
1	Part-1 Bidding Procedure	Section IV:Bidding Forms		New form added as Form-4A. Ref. Annexure-2 of Corrigendum-II
2	PART 2: WORKS REQUIREMENTS	APPENDIX VII-B10: KEY PERSONNEL, CONSTRUCTION MACHINERY, SHE MANPOWER	The Bidder shall provide further details of proposed items of equipment using TP-2 Form of Technical Proposal included in	1. Personnel (Bidder shall use Form-4A of Technical Proposal to submit the detail)  iv. The Bidder shall provide details of the proposed personnel and their experience records using Form-4A of Technical Proposal included in Section IV, Bidding Forms of Part-1: Bidding Procedure.  2. Equipment (Bidder shall use Form-8 of Technical Proposal to submit the detail)  The Bidder shall provide further details of proposed items of equipment using Form-8 of Technical Proposal included in Section IV, Bidding Forms of Part-1: Bidding Procedure.



SN	Part	Clause no	Description as per Tender Document	Revised herewith as
3	Part 2 Works Requirement - Particular Specification	New clause 5.2		Addition to 5.2 RECEIVING SUBSTATION  Contractor shall be required to design and develop protection scheme for the ASS. Also, existing phase-I network setting of RSS to be developed / revised as required. Scheme and relay setting proposed should be developed keeping into view of the 132kV, 25 kV and 33 kV system of Maha-Metro, Pune Ph-I extenstion network in line and stations. All protection scheme, calculation, settings, tests reports, relay manual, data cables, relay software shall be furnished to Maha-Metro before commissioning. The relay setting shall validated through third party reputed agencies like IIT's, NIT's etc.
4	Part 2 Works Requirement - Particular Specification	7.3.6.2.2	Type test of at least one number of Dry type transformer of each capacity shall pass Fire behaviour test as per the clause 28 of IEC 60076-11 or latest.	Dry type transformer should have passed Fire behaviour type test as per the clause 28 of IEC 60076-11 or latest.
5	Part 2 Works Requirement - Particular Specification	1.1.1 Table 1.1	INFRASTRUCTUTRE FACILITIES PLANNED at PCMC DEAD END  Location: PCMC Station  Facility: Linking & Installation of new OHE with the existing OHE chainage location (-)915.399 onwards	INFRASTRUCTUTRE FACILITIES PLANNED at PCMC DEAD END  Location: PCMC Station Facility: Linking & Installation of new OHE with the existing OHE chainage location (-)614.399 onwards
6	Part 2 Works Requirement - Particular Specification	2.3.1 (q)	The new OHE shall be installed from existing OHE chainage location (-)915.399 near PCMC station and linking with the existing OHE to be carried out.	The new OHE shall be installed from existing OHE chainage location (-)614.399 near PCMC station and linking with the existing OHE to be carried out.

Tender no: P1A-TR-03/2025



### MAHARASHTRA METRO RAIL CORPORATION LIMITED

(Pune Metro Rail Project)

Joint Venture of Govt. of India & Govt. of Maharashtra

CIN: U60100MH2015SGC262054

13-Mar-2025

### **CORRIGENDUM-II Part-C**

Name of Work: Design, Supply, Installation, Testing & Commissioning of 25kV Flexible Overhead Catenary System, associated 25kV Sectioning Posts, 33kV Auxiliary Sub-Station (ASS), associated Cabling and SCADA Systems for PCMC-Nigdi Elevated Extension of Pune Metro Rail Project

Tender No: P1A-TR-03/2025

	Description as per NIT	Revised as
Last Date & Time for submission of Bids	Online submission up till 16:00 Hrs. on 17- Mar-2025 on Maha-Tenders Portal.	Online submission up till 16:00 Hrs. on 24- Mar-2025 on Maha-Tenders Portal.
Date & Time of Opening of Technical Bids	On <b>18-Mar-2025</b> at <b>16:00 Hrs</b> in Procurement Department, A2 Block, District Court Interchange Metro Station, Nyaymurti Ranade Path, Shivaji Nagar, Pune-411005.	On <b>25-Mar-2025</b> at <b>16:00 Hrs</b> in Procurement Department, A2 Block, District Court Interchange Metro Station, Nyaymurti Ranade Path, Shivaji Nagar, Pune-411005.

Executive Director/Procurement & Contracts,

Maharashtra Metro Rail Corporation Limited.