



# **CHENNAI METRO RAIL LIMITED**

**CHENNAI METRO RAIL PROJECT PHASE 1 EXTENSION**

## **BIDDING FOR CMRL-PS&OHE-05-2018**

---

**TENDER FOR PROVIDING TRACTION MAINTENANCE SERVICES WITH TRAINED MAN POWER FOR TRACTION OVER HEAD EQUIPMENT AND POWER SUPPLY INSTALLATIONS at 32 METRO STATIONS ON UNDER GROUND, ELEVATED & DEPOT SECTIONS FOR CORRIDOR-1 & CORRIDOR-2 OF CHENNAI METRO RAIL LIMITED**

---

## **Addendum - I**

**Chennai Metro Rail Limited  
Chennai Metro rail Admin Building  
Poonamallee High Road  
India**

## Index

|    |                               |    |
|----|-------------------------------|----|
| 1. | CLARIFICATION TO BIDDERS..... | 3  |
| 2. | GENERAL.....                  | 10 |

PS&OHE-04-2018

## Reply to queries

| s no | Page no | Cluase no | clause   | Reply  |
|------|---------|-----------|--|--|
| 1    | 15      | 5.22      | <p>ELIGIBILITY CRITERIA AND EVALUATION CRITERIA OF BIDDERS, The Bidder shall be a firm and shall have Railway/Metro electrification Project or maintenance experience of minimum 5 years in FOCS works and 2 years in ROCS works as prime or subcontractor<br/>On serial no.3 – Specific experience, FOCS &amp; ROCS - Installed or maintained 100kM of 25kV<br/>FOCS in India, Installed or maintained 10kM of 25kV ROCS in India,</p> <p>We request to give relaxation for the mentioned experience of minimum 5 years in FOCS works and 2 years in ROCS works as prime or subcontractor and in FOCS &amp; ROCS - Installed or maintained 100kM of 25kV FOCS in India OR Installed or maintained 10kM of 25kV ROCS in India with a reduced minimum number of kM OR 220 kV Sub-station O&amp;M, for which the justification for the specific experience which we will make employment of engineers and technicians with traction line operation experience.</p> | Specific experience requiriement is corrected as below<br>"Installed or maintained 100kM of 25kV<br>FOCS in India<br>or<br>Installed or maintained 10kM of 25kV ROCS<br>in India"                        |
| 2    | 41      | 5.64      | <p>Maintenance app requirements</p> <p>5.64.1 Application shall be developed within 3 months from date of LOA. And shall be update the features whenever required after using the APP for a period of 6 months<br/>5.64.2 First three months requirement of Clause 5.52.(v) shall be relaxed.</p> <p>The application development can be relaxed to 6 months and further the update features whenever required after using the APP for a period of 6 months.</p>  | Accepted but the extension of time from 3 months to 6 months shall be granted only if design document for APP is submitted within 1 month of LOA   |
| 3    | 41      | 5.64.3    | <p>Fifty percent payment of cost centre shall be paid on launching the application and remaining 50% shall be paid only after launching complete version of App incorporating all comments of the maintenance team and employer.</p> <p>Application development is irrespective of wages to be paid to employee and this cannot be linked with this payment</p>  | This cost is particular for Applciation and not for services. Hence the payment of terms cannot be altered   |
| 4    |         |           | <p>Development of APP</p> <p>Complete CMRL support assistance is required during the development of the APP</p>  | CMRL can only guide in making specification. All technical part shall be taken care by contractor  |
| 5    |         |           | <p>Annual Escalation charges</p> <p>Since the annual escalation in wages are 5%, it can be revised as 10%, in general w.r.t experience categories employee may disagree of 5% increase per annum</p>   | NO change  |
| 6    | 27      | 5.47      | Supply of Materials, Tools and Equipment: No material, tools, and equipment shall be supplied by the CMRL except otherwise specifically agreed to by CMRL.   | Tools spelt in caluse 5.62 shall be supplied. Any tools utilised by contractor for enhancing the performance/optimising the resource shall be at the contractors expense. Supply of special tools if any |

## Reply to queries

|    |       |                |  |   |  |
|----|-------|----------------|--|---|--|
|    |       |                |  | For any kind of special tools and equipment's are in need the scope shall be CMRL and else if it is hired then the charges has to paid by CMRL at actuals   | insisted by CMRL shall be paid over and above the contract with overhead as given in price bid.  |
| 7  | 27    | 5.48           | Housing Facilities:<br>The Contractor shall have to make his own arrangements for housing facilities for his staff   | In case of any kind of facilities on free are available with CMRL, that can be utilized for formation of housing facility, since the maintenance is 24/7, it will make easier for handling of emergency breakdown issues. | No, space for accomodation cannot be provided.   |
| 8  | 44    | Part A point C | Documentation of maintenance records.<br>The maintenance records shall be maintained and monitored online by means of software duly linking the details of the assets to the layout plans.   | Kindly clarify the scope of software for documentation of maintenance records provided by CMRL.   | This shall be a part of maintenance app.   |
| 9  | 46    | general        | All the maintenance staff shall be periodically tested and issued with Competency Certificates.<br><br>All the members of the maintenance teams shall be trained for safety rules during work by certified / competent institutions regularly and before induction into the teams. | Is there any institute is recommended by CMRL   | No specific institute is recommended by CMRL, however Competency certificate shall be issued by contractor based on the test conducted by CMRL                   |
| 10 | 21,29 | -              | Statutory requirement  | Specific Statutory requirement applicable for Maintenance contract.Please clarify?  | All statutory requirements like ESI, PF, TDS, minimum wages etc including law of land needs to be followed.  |
| 11 | 41    | 5.63           | Breakdown  | Target time for Breakdown viz., panto entanglement may require more time as mentioned in the requirement. Penalty for such cases can be relaxed.  | Time for each break down has been prepared based on experience. However Employer has rights to waive of penalty on genuine cases as spelt in 5.63                |
| 12 | -     | -              | ID & Access Control  | Whether ID & Access control for equipment room will be issued by CMRL to maintenance team ?   | Access control shall be issued by CMRL, ID needs to be issued by Contractor for staff  |
| 13 | -     | -              | Crane / Lifting equipment  | Whether CMRL will provide Crane / Lifting equipment? Detailed Scope to be eloborated.   | Contractor has to arrange. OMV and RRV available with CMRL can be used. EOT cranes, Lifting jacks available with CMRL can be used with permission.               |
| 14 | 46    | 3              | RRV operator & Fuel  | Whether OMV-RRV (Rail cum road vehicle) along with operator fuel and maintenance will be provided by CMRL? Please clarify   | OMV operator shall be provided. RRV operator is in contractor scope  |
| 15 | -     | -              | Traffic Permission   | Whether traffic permission will be taken care by CMRL if required for maintenance activity?   | All traffic permission in revenue line shall be obtained by contractor during weekly RASI meeting. For Daily power block CMRL shall assist the maintenance team. |

## Reply to queries

|    |       |             |  |   |   |
|----|-------|-------------|--|---|---|
| 16 | 102   | -           | DG Maintenance   |   | Scope of contractor limits to Weekly auto run check attendance of Issues in AMF panel Diesel filling co-ordination Minatenance of DG/DG diesel register to follow up with AMC contractor for maintenance of DG sets             |
|    |       |             |  | DG maintenance is not listed in the scope of work but mentioned in the maintenance schedule. Pls calrify?   |   |
| 17 | 154   | 3.3         | Price Variation  |   | No change   |
|    |       |             |  | Whether PV is applicable w.r.t to indices or to be followed as  |   |
| 18 | -     | -           | Office for Maintenance staff                                     |   | Office for maintenance staff shall be provided in 3 loactions   |
|    |       |             |  | Whether CMRL will provide office & facilities for maintenance staff at different locations? Please clarify.   |   |
| 19 | -     | -           | Canteen Facilities   |   | Canteen facility is available in CMRL depot and CMRL admin building. Contractor staff can use the same whenever in operation.   |
|    |       |             |  | Whether Canteen facilities will be provided to maintenance staff? Please clarify.   |   |
| 20 | -     | -           | Calibration of Tools & Equipments                                |   | Calibration of tools listed in the contract in clause 5.62 shall in contractor scope. Calibrton of Tools provided by CMRL shall be CMRL's responsibility  |
|    |       |             |  | Whether calibration of tools & equipment are in scope of CMRL?  |   |
| 21 | -     | -           | Travel Cost  |   | Yes, with proper identity card and uniform moving for duty  |
|    |       |             |  | Whether Maintenance staff will be allowed free of cost in metro for schedule maintenance activity at stations?  |   |
| 22 | 14    | 5.21/A d)   | Maintaining Stores and spares                                    |   | refer page no 36 & 38 (roles and responsibility)  |
|    |       |             |  | Please elaborate. How to understand Maintaining Spares?   |   |
| 23 | 46&80 | Part A/2    | Safety & Quality Engineer  |   | Safety and quality audits shall be taken in interval of 3 months. Resident safety & quality team is not envisaged however bidder is free to maintain the same if feels necessary  |
|    |       |             |  | In order to implement safe working environment EHS personal(3 persons per day) is mandatory<br>Additionally, for such a big project we also foresee resource like Quality officer.Please clarify.                                     |   |
| 24 | 14    | 5.21/B e)   | Operation of 33 kV switchgear, 25kV switchgear, 110kV switchgear |   | yes, operation needs to be carried out only in case of SCADA control fail or instructed by TPC.   |
|    |       |             |  | We understand that this manual operation needs to be carried out only in case of SCADA control fail or instructed by TPC.   |   |
| 25 | 46&80 | 5.47        | Supply of materials, tools and equipment                         |   | Yes , however CMRL may insist for purchase of spares and consumable in line to page no 46 & the price bid page no 150<br>Repair of spares is in scope of contractor<br>Special tools and equipment as listed in page no 46 & 80 |
|    |       |             |  | To our understanding as per PartA/3/Page 46 & Part B/3/Page 80:<br>1. All spares & repair of the spare parts will be taken care by CMRL.<br>2. Similarly, All Special Tools & Equipments will be supplied by CMRL.<br>Please clarify. |   |
| 26 | 81    | Part B/3.3  | Spares for 33kV network equipment                                |   | Yes   |
|    |       |             |  | We understand that Network Equipment means as prescribed in Part B/4/Page 81, please clarify.   |   |
| 27 | 36    | 5.61/5.61.1 | Minimum Manpower   |   | Minimum man power strenght is sum of man power strength in all three shifts of a day (3X8 Hrs)  |
|    |       |             |  | We understand that It should be Organization strength at any given point of time.   |   |
| 28 | 38    | 5.62/5.62.1 | Tools & Tackles for PS&OHE:                                      |   | It is proposed to cover all 35 ASS with three teams How ever  |

|    |               |                                  |   |  |  |
|----|---------------|----------------------------------|---|--|--|
|    |               |                                  |   | Its clear from Tender Doc. That for OHE- 3 nos. of team to be formed. Similarly, How many nos. of team to be formed for PS.  | Bidder may assess their own estimation meeting minimum manpower requirement.   |
| 29 | 39            | 5.63                             | Activity (Normal scheduled Power Block activities)        | As the system is redundant shall we get Power Block at any time (Day or Night) for attending preventive/routine & breakdown maintenance wherever possible.   | Accepted, day time maintenance work in auxiliary network is permitted without impacting the minimum redundancy. i.e. either 2 of Two transformer and DG shall be in service. |
| 30 | 150           | Price bid Note- ix               | Financial Bid (Packet-B)                                  | All general/special consumables required for Preventive/Routine Maintenance & Breakdown maintenance will be taken care by CMRL. Please clarify & elaborate.  | Yes, however CMRL may insist for purchase of spares and consumable in line to page no 46 & the price bid page no 150   |
| 31 | 140           | Annexure-14                      | Web based mobile application for assisting maintenance    | Please suggest vendor list.  | CMRL doesnot recommend any vendors.  |
| 32 | 27            | 5.49                             | Supply of water & electricity/Room/Space in RSS/ASS/Depot | We understand that water & electricity at all 3 office locations of bidder & at work places for carrying out maintenance will be provided by CMRL.   | Water/electricity shall be available in all passenger station, depot and RSS. However mid section requirement shall be taken care by the contractor                          |
| 33 | 28            | 5.51                             | Attendance  | Who will provide Biometric System at three locations   | Attendance system shall be provided by bidder  |
| 34 | 8, 9, 13, 150 | 4.9 & 4.5.2, price bid notes vii | Price Bid / Award Criteria                                | As per the said clauses Lowest bidder shall be chosen based on total value inclusive of Taxes, Duties & other charges and award of contract would done to L1 bidder. However as per Clause 4.9 Evaluation Sub clause 4.9.1: The lowest bidder will be decided on the basis of Base Price (Excluding Taxes, Duties & other charges). Please clarify the deciding criteria of lowest bidder. | Evaluation shall be excluding all taxes, clause 4.5.2 is edited  |
| 35 | 14            | 5.18                             | Earnest Money   | As per the said clause, the EMD will be in form of bank demand draft issued by any schedule bank in India OR unconditional Bank Guarantee for the value specified in NIT, aslo BG format for EMD has provided in Annexure 4. However in NIT Page 4, Point 9; EMD & tender fees to be paid online. Please confirm BG is accepted for EMD.   | Bank Guarantee is agreed   |
| 36 | 121           | Annexure 6                       | ISO requirement   | We propose to take the ISO certification in the name of the SPV based on the LOA to the JV   | Accepted, ISO requirement is relaxed   |
| 37 | 39            | 5.63                             | Penalties   | CMRL may allow a preparation time of three months before implementing the penalties. There is a need to train the staff on the equipment, check the availability of spares, assess the condition of the installation, etc before we are prepared to commit on the penalties.   | Accepted, for first three month no penalties shall be levied. However no change in KPI shall evaluation is proposed.   |
| 38 | 39            | 5.63                             | Target time   | Minimum response time for breakdown response may be revised as one hour considering the road traffic conditions  | no changes.  |

## Reply to queries

|    |     |                 |  |   |
|----|-----|-----------------|--|---|
| 39 |     |                 | The tender submission date may be extended by two weeks please.  | Bid submission is extended to 22.12.2018  |
| 40 | 15  | Cluase 5.22     | A We find that very few companies in India has ROCS experience. This may restrict the number of bidders. In this regard, is it possible to substitute this requirement of 10km ROCS by any other suitable experience like additional FOCS experience, third rail experience, or similar.   | Specific experience requiriement is corrected as below<br>"Installed or maintained 100kM of 25kV FOCS in India<br>or<br>Installed or maintained 10kM of 25kV ROCS in India" |
|    |     |                 | B. Is it possible to separate the ROCS requirement from this tender and and to float a separate enquiry  | NO  |
|    |     |                 | C. Can foreign experience can be considered? I   | NO  |
| 41 | 36  | 5.61.1          | Man power Requirement  | Splitup shall be as given in page no 36   |
|    |     |                 | The categories of total 71 man power do not reflect Semi-skilled/ Unskilled/Helpers which is also essential. Can this number be left to the agency with total remaining to be 71   |   |
| 42 | 37  | 5.61.2          | C licence Requirement  | For working in HT equipments it is mandate to have C license<br>Hence JE/Power supply need to have C license  |
|    |     |                 | JE/Electrical/power supply- please elaborate 'C' license requirement   |   |
| 43 | 37  | 5.61.2          | Technicians (PS & OHE)   | conditions in page no 37 shall be followed  |
|    |     |                 | Normally ITI Electrical having OHE/pS experience are not available, this is required to be relaxed for those having more than 7 years electrification experience   |   |
| 44 | 38  | 5.61.2          | Technician ( Stores):  | It is requiried for the Store Tech to be skilled in Computer handling or capable of learning computer handling hence request is not accepted                                |
|    |     |                 | ITI with 3 years experience of Stores handling or Diploma/Graduate with sufficient training in handling stores may not be available. This may be relaxed/ rather should be preferred to be just literate with more than 5 years experience of handling OHE stores. There should be no minimum qualification for Semiskilled/unskilled/ Helpers except at-least 2 to 3 years experience of working in a electrification project |   |
| 45 | 36  | 5.61.1          | Man power  | office space shall be provided  |
|    |     |                 | Nomination of staff among strength of 71 to be kept in round the clock shifts to be Contractor's choice & facility for their place of duty with essential T & p storage preferably at the maintenance depot to be provided free of cost.   |   |
| 46 | 39  | 5.63            | SCADA  | Yes, SCADA systems in OCC (including servers) are not in scope. But RTU cleaning / tightness checking is in Scope.  |
|    |     |                 | It is assumed that maintenance of SCADA system is not included in this tender/in Contractor's scope  |   |
| 47 |     | Part A & part B | Road Breakdown vehicle   | Non-maintenance vehicle and crew are under the contractor scope   |
|    |     |                 | In whose scope will the provision of Road vehicle with mentioned facilities & two Drivers in shifts be, may be clarified?  |   |
| 48 | 44  | part-A<br>B     | OMV/Tower wagon/RRC breadown vehicle   | refer point no 14   |
|    |     |                 | As stated, fully equipped OMV/RRVs shall be provided with Driver & Fuel by CMRL for some of the maintenance activities as well as for attending breakdowns by contractor's staff   |   |
| 49 | 25, | 5.40.1,         | performance Security   | Performance Guarantee shall be equivalent to 10% of the   |

## Reply to queries

|    |     |               |   |   |   |
|----|-----|---------------|---|---|---|
|    | 155 | 5.1           |   | THE pBG May be reduced to 5% instead of 10% of the Contract price. There should be no Additional PBG please confirm   | „Contract Price for 1 year“. Additional PBG is waived off   |
| 50 | 46  | Part B (3)    | Facility to be provided by CMRL   | As stated, CMRL will provide suitable space (assumed to be covered accommodation) near Alundar, Koyambedu & Chennai Central Metro stations or RSSs for Contractor's office and Stores.<br>This & Labour accommodation should be Rent, power supply & water free<br><br>CMRL shall provide considerable Rooms/space for contractor staff for attending regular maintenance/Breakdowns. please confirm<br><br>CMRL shall also supply special Tools, Crimping Tools for ROCS, Testing Instruments and OHE spares | No only office space shall be provided  |
| 51 | 28  | 5.52.2        | Supply of Consumables   | It is assumed that supply of all consumables including lubricants, paints, Oils/Grease, Electrolyte for Batteries, coolants, cleaning agents, Emery papers, cables, various switches & Fuses etc. shall be by CMRL  | refer point no 25   |
| 52 | 28  | 5.52.2 (viii) | payment   | It has been mentioned that in the monthly bills, claim for purchased consumables/spares should also be attached. Please provide list of such consumables  | If the consumable/tool/spare bill is more than INR 50,000/- Bill shall raised seperately and need not wait to submit with monthly bill. Else it has to be submitted with Monthly bill. No KPI shall be applied on consumable/tool/spare bills |
| 53 | 39  | 5.63          | Incentives & penaltie   | The penalties amount may be waived or at-least reduced  | No change   |
| 54 | 8   | 4.5           | price schedule BOQ  | It is assumed that the Bidder has to fill up blue colour column nos 13 and 20 only  | Yes   |
| 55 |     | Common        | Supply of equipment wise Maintenance schedules, Formats, drawings & other Technical details/guide lines | It is assumed that updated copies of these documents shall be supplied by CMRL.   | CMRL shall supply base documents and bidder is expected to update based on the experience and implement the same in the application   |
| 56 |     | Common        | Arranging power blocks/ issue of pTW& cancellation after completion of work                             | To be CMRL' responsibility  | Refer point no 15   |
| 57 |     | Common        | Estimated Cost  | As we have a long experience of such system, according to our estimate the cost given in the Tender is very low.  | No changes  |
| 58 | 23  | 5.36.9        | The payment for services may be reduced based upon maintenance services/facilities.                     | As the minimum man power strength to be maintained as 71 has been fixed as per the tender, it is not feasible to often reduce such trained staff & arrange them again depending upon the services   | No changes  |



## Reply to queries

|    |    |             |   |            |
|----|----|-------------|---|------------|
| 59 | 28 | 5.52.2(iii) | Monthly bills shall be paid only if accompanied by the proof of selfevaluated KPI Form  | No changes |
|    |    |             | It is proposed to avoid this as condition of making payment   |            |
| 60 | 28 | 5.52.2(iv)  | Monthty bills shall be paid only if accmpained by the proof of list of Tools etc  | No changes |
|    |    |             | This may be reviewed  |            |
| 61 | 29 | 5.53.1      | Security arrangements Fine of Rs. 5,000/- shall be imposed.   | No changes |
|    |    |             | The contractor himself is always conscious of maintaining proper security, hence, imposition of Fine is not considered essential. |            |
| 62 | 29 | 5.53.4      | Contractor to submit police verification of each employee/staff   | No Changes |
|    |    |             | This is not considered to be so essential, hence, may be reviewed.  |            |

PS&O/H/E-05-2018

| S no                         | Page no, clause no                                      | Old  |   |   |  | New  |     |  |        |         |  |   |  |                             |   |   |  |                         |    |    |   |                              |  |           |  |  |  |  |  |             |     |    |        |         |  |   |  |                             |   |   |  |                         |    |    |    |                              |  |           |   |
|------------------------------|---|--|---|---|--|--|-----|--|--------|---------|--|---|--|-----------------------------|---|---|--|-------------------------|----|----|---|------------------------------|--|-----------|--|--|--|--|--|-------------|-----|----|--------|---------|--|---|--|-----------------------------|---|---|--|-------------------------|----|----|----|------------------------------|--|-----------|---|
|                              |   | Specific experience  | FOCS<br>ROCS  | Installed or maintained 100km of 25kV FOCS in India<br>Installed or maintained 10km of 25kV ROCS in India |  | Specific experience  | OCS | Installed or maintained 100km of 25kV FOCS in India (or)<br>Installed or maintained 10km of 25kV ROCS in India |        |         |  |   |  |                             |   |   |  |                         |    |    |   |                              |  |           |  |  |  |  |  |             |     |    |        |         |  |   |  |                             |   |   |  |                         |    |    |    |                              |  |           |   |
| 1                            | Page no 15, clause 5.22<br>Specific experience          | Specific experience  | FOCS<br>ROCS  | Installed or maintained 100km of 25kV FOCS in India<br>Installed or maintained 10km of 25kV ROCS in India |  | Specific experience  | OCS | Installed or maintained 100km of 25kV FOCS in India (or)<br>Installed or maintained 10km of 25kV ROCS in India |        |         |  |   |  |                             |   |   |  |                         |    |    |   |                              |  |           |  |  |  |  |  |             |     |    |        |         |  |   |  |                             |   |   |  |                         |    |    |    |                              |  |           |   |
| 2                            | Page no 41, Clause no 5.64                              | 5.64.1 Application shall be developed within 3 months from date of LOA. And shall be update the features whenever required after using the APP for a period of 6 months<br>5.64.2 First three months requirement of Clause 5.52.(v) shall be relaxed.  |   |   |  | 5.64.1 Application shall be developed within 6 months from date of LOA with design documents within 1 month from LOA. And shall be update the features whenever required after using the APP for a period of 2 months from first launch.<br>5.64.2 First six months requirement of Clause 5.52.(v) shall be relaxed.   |     |  |        |         |  |   |  |                             |   |   |  |                         |    |    |   |                              |  |           |  |  |  |  |  |             |     |    |        |         |  |   |  |                             |   |   |  |                         |    |    |    |                              |  |           |   |
| 3                            | Page no 41<br>Clause 5.64.4.a                           | <b>Application Platform</b> : The web based mobile Application developed shall be compatible with Android compatible with latest version and down compatible feature (upto Android 5).   |   |   |  | <b>Application Platform</b> : The web application shall be accessible with browser for data entry & report generation and mobile Application for field activities. Mobile application developed shall be compatible with Android of latest version with down compatible feature upto Android 5. Database shall be store in Web server/cloud.                     |     |  |        |         |  |   |  |                             |   |   |  |                         |    |    |   |                              |  |           |  |  |  |  |  |             |     |    |        |         |  |   |  |                             |   |   |  |                         |    |    |    |                              |  |           |   |
| 4                            | Page no 46,80,<br>general                               | All the members of the maintenance teams shall be trained for safety rules during work by certified / competent institutions regularly and before induction into the teams<br>The Engineers and supervisors shall be trained and issued Competency Certificates for obtaining Permit to Works.   |   |   |  | All the members of the maintenance teams shall be trained for safety rules during work by certified / competent institutions regularly and before induction into the teams<br>The Engineers and supervisors shall be trained and issued Competency Certificates by the bidder for obtaining Permit to Works based on the examination conducted by CMRL.          |     |  |        |         |  |   |  |                             |   |   |  |                         |    |    |   |                              |  |           |  |  |  |  |  |             |     |    |        |         |  |   |  |                             |   |   |  |                         |    |    |    |                              |  |           |   |
| 5                            | Page no 46<br>Clause 3. Facility to be provided by CMRL | OMV/RRV with driver and fuel, as and when required   |   |   |  | OMV with driver and fuel, as and when required<br>RRV and Fuel, as and when required. (RRV operator shall be provided by contractor, Maintenance team member with heavy vehicle license shall be allowed to operate the RRV in road and competency to drive in revenue section shall be issued by bidder based on examination conducted by CMRL after training.) |     |  |        |         |  |   |  |                             |   |   |  |                         |    |    |   |                              |  |           |  |  |  |  |  |             |     |    |        |         |  |   |  |                             |   |   |  |                         |    |    |    |                              |  |           |   |
| 6                            | Page no 36,<br>Clause no 5.61                           | <p><b>5.61 Man Power requirement</b><br/>5.61.1 MINIMUM MANPOWER IS AS UNDER:</p> <table border="1"> <thead> <tr> <th>Designation</th> <th>OHE</th> <th>PS</th> <th>STORES</th> </tr> </thead> <tbody> <tr> <td>Manager</td> <td></td> <td>1</td> <td></td> </tr> <tr> <td>Junior Engineer /Electrical</td> <td>7</td> <td>3</td> <td></td> </tr> <tr> <td>Technicians /Electrical</td> <td>42</td> <td>14</td> <td>4</td> </tr> <tr> <td><b>Total no of man power</b></td> <td></td> <td><b>71</b></td> <td></td> </tr> </tbody> </table> <p>➤ The above listed manpower is minimum requirement (7 days weak including holidays).<br/>➤ The Traction Maintenance agency may make his own assessment based on work load and deploy accordingly in shifts for 24 x 7 working.</p> |   |   |  | Designation  | OHE | PS   | STORES | Manager |  | 1 |  | Junior Engineer /Electrical | 7 | 3 |  | Technicians /Electrical | 42 | 14 | 4 | <b>Total no of man power</b> |  | <b>71</b> |  | <p><b>5.61 Man Power requirement</b><br/>5.61.1 MINIMUM MANPOWER IS AS UNDER:</p> <table border="1"> <thead> <tr> <th>Designation</th> <th>OHE</th> <th>PS</th> <th>STORES</th> </tr> </thead> <tbody> <tr> <td>Manager</td> <td></td> <td>1</td> <td></td> </tr> <tr> <td>Junior Engineer /Electrical</td> <td>7</td> <td>3</td> <td></td> </tr> <tr> <td>Technicians /Electrical</td> <td>42</td> <td>14</td> <td>4*</td> </tr> <tr> <td><b>Total no of man power</b></td> <td></td> <td><b>71</b></td> <td><b>(sum of man power strength in all three shifts of a day (3X8 Hrs))</b></td> </tr> </tbody> </table> <p>➤ The above listed manpower is minimum requirement (7 days weak including holidays).<br/>➤ The Traction Maintenance agency may make his own assessment based on work load and deploy accordingly in shifts for 24 x 7 working.<br/>*Contractor can optimise by using the Store technician for maintenance activity but store handling shall be strictly restricted to store technician</p> |  |  |  | Designation | OHE | PS | STORES | Manager |  | 1 |  | Junior Engineer /Electrical | 7 | 3 |  | Technicians /Electrical | 42 | 14 | 4* | <b>Total no of man power</b> |  | <b>71</b> | <b>(sum of man power strength in all three shifts of a day (3X8 Hrs))</b> |
| Designation                  | OHE   | PS   | STORES  |   |  |  |     |  |        |         |  |   |  |                             |   |   |  |                         |    |    |   |                              |  |           |  |  |  |  |  |             |     |    |        |         |  |   |  |                             |   |   |  |                         |    |    |    |                              |  |           |   |
| Manager                      |   | 1  |   |   |  |  |     |  |        |         |  |   |  |                             |   |   |  |                         |    |    |   |                              |  |           |  |  |  |  |  |             |     |    |        |         |  |   |  |                             |   |   |  |                         |    |    |    |                              |  |           |   |
| Junior Engineer /Electrical  | 7   | 3  |   |   |  |  |     |  |        |         |  |   |  |                             |   |   |  |                         |    |    |   |                              |  |           |  |  |  |  |  |             |     |    |        |         |  |   |  |                             |   |   |  |                         |    |    |    |                              |  |           |   |
| Technicians /Electrical      | 42  | 14   | 4   |   |  |  |     |  |        |         |  |   |  |                             |   |   |  |                         |    |    |   |                              |  |           |  |  |  |  |  |             |     |    |        |         |  |   |  |                             |   |   |  |                         |    |    |    |                              |  |           |   |
| <b>Total no of man power</b> |   | <b>71</b>  |   |   |  |  |     |  |        |         |  |   |  |                             |   |   |  |                         |    |    |   |                              |  |           |  |  |  |  |  |             |     |    |        |         |  |   |  |                             |   |   |  |                         |    |    |    |                              |  |           |   |
| Designation                  | OHE   | PS   | STORES  |   |  |  |     |  |        |         |  |   |  |                             |   |   |  |                         |    |    |   |                              |  |           |  |  |  |  |  |             |     |    |        |         |  |   |  |                             |   |   |  |                         |    |    |    |                              |  |           |   |
| Manager                      |   | 1  |   |   |  |  |     |  |        |         |  |   |  |                             |   |   |  |                         |    |    |   |                              |  |           |  |  |  |  |  |             |     |    |        |         |  |   |  |                             |   |   |  |                         |    |    |    |                              |  |           |   |
| Junior Engineer /Electrical  | 7   | 3  |   |   |  |  |     |  |        |         |  |   |  |                             |   |   |  |                         |    |    |   |                              |  |           |  |  |  |  |  |             |     |    |        |         |  |   |  |                             |   |   |  |                         |    |    |    |                              |  |           |   |
| Technicians /Electrical      | 42  | 14   | 4*  |   |  |  |     |  |        |         |  |   |  |                             |   |   |  |                         |    |    |   |                              |  |           |  |  |  |  |  |             |     |    |        |         |  |   |  |                             |   |   |  |                         |    |    |    |                              |  |           |   |
| <b>Total no of man power</b> |   | <b>71</b>  | <b>(sum of man power strength in all three shifts of a day (3X8 Hrs))</b> |   |  |  |     |  |        |         |  |   |  |                             |   |   |  |                         |    |    |   |                              |  |           |  |  |  |  |  |             |     |    |        |         |  |   |  |                             |   |   |  |                         |    |    |    |                              |  |           |   |
| 7                            | Page no 8<br>Clause no 4.5.2                            | Lowest bidder shall be chosen on the values as specified in "Total" value (Inclusive of all taxes, duties, and other charges) of price schedule  |   |   |  | Lowest bidder shall be chosen on the values as specified in "Total" value (Exclusive of all taxes, duties, and other charges) of price schedule  |     |  |        |         |  |   |  |                             |   |   |  |                         |    |    |   |                              |  |           |  |  |  |  |  |             |     |    |        |         |  |   |  |                             |   |   |  |                         |    |    |    |                              |  |           |   |
| 8                            | Page no 13<br>Clause no 5.13                            | CMRL will award the contract to the successful tenderer whose tender has been determined to be substantially responsive and technically accepted and has been evaluated as L1 on item wise cost inclusive of taxes.  |   |   |  | CMRL will award the contract to the successful tenderer whose tender has been determined to be substantially responsive and technically accepted and has been evaluated as L1 on item wise cost Exclusive of taxes.  |     |  |        |         |  |   |  |                             |   |   |  |                         |    |    |   |                              |  |           |  |  |  |  |  |             |     |    |        |         |  |   |  |                             |   |   |  |                         |    |    |    |                              |  |           |   |
| 9                            | Page no 4   | INR.10,62,000/- ( Indian rupees Ten Lakhs Sixty Two Thousand Only) to be paid  |   |   |  | INR.10,62,000/- ( Indian rupees Ten Lakhs Sixty Two Thousand Only) to be   |     |  |        |         |  |   |  |                             |   |   |  |                         |    |    |   |                              |  |           |  |  |  |  |  |             |     |    |        |         |  |   |  |                             |   |   |  |                         |    |    |    |                              |  |           |   |

|    |                            |  |   |
|----|----------------------------|--|---|
|    | NIT item no 4              | online to CMRL bank account (beneficiary details given in Sl.no 7)   | paid online to CMRL bank account (beneficiary details given in Sl.no 7) or as Bank Demand Draft in favour of “Chennai Metro Rail Limited”, payable at Chennai drawn on any Scheduled Bank in India approved by Reserve Bank of India or as unconditional Banker’s Guarantee valid for 208 days  |
| 10 | Page no 18, 5.27 (xiii)    | Each member of the Consortium shall be ISO certified   | Deleted   |
| 11 | Page no 120, Annexure 6    | 13 Quality Certifications (ISO Certifications) available for bidders(Please enclose attested photocopy) Form Tech -2   | 13 Deleted  |
| 12 | Page no 123                | Form Tech 2  | Deleted   |
| 13 | Page no 39, Clause no 5.63 | <b>5.63 Target time for failure activities, incentives and penalties</b><br>Incentives shall be proved for attendance of failure within targeted time and penalty shall be imposed in case overshoot of target time. In any month incentive cannot be more than 1,50,000/- and penalty cannot be more than 2,00,000/-. Employer has rights to waive off the penalty based on genuine reasons not attributable to contractor. In such case contractor shall write letter with details reason explaining inability of contractor for completion of work within target time | <b>5.63 Target time for failure activities, incentives and penalties</b><br>Incentives shall be proved for attendance of failure within targeted time and penalty shall be imposed in case overshoot of target time. In any month incentive cannot be more than 1,50,000/- and penalty cannot be more than 2,00,000/-. Employer has rights to waive off the penalty based on genuine reasons not attributable to contractor. In such case contractor shall write letter with details reason explaining inability of contractor for completion of work within target time. For 3 months from LOA no penalties shall be levied. |
| 14 | Page no 155 Article 5      | As mentioned elsewhere in this Agreement, the Bidder shall furnish to CMRL (in the manner and form acceptable to CMRL) a Security Deposit for an amount <b>equal to 10% (ten percent)</b> of the Total License Fee for the entire duration of the License, 21 (twenty one) days prior to the Commencement of License   | As mentioned elsewhere in this Agreement, the Bidder shall furnish to CMRL (in the manner and form acceptable to CMRL) a Security Deposit for an amount <b>equal to 10% (ten percent)</b> of the per year License Fee for the entire duration of the License, 21 (twenty one) days prior to the Commencement of License   |
| 15 | Page no 28 Clause 5.50     | <b>Transport &amp; Access Roads:</b> Existing roads and other public roads may be used by the Contractor to carry out activities, with prior approval of the competent authority. The Contractor shall provide and maintain 2nos of bicycles at 3 locations for movement of their staff in case if exigencies and regular use  | <b>Transport &amp; Access Roads:</b> Existing roads and other public roads may be used by the Contractor to carry out activities, with prior approval of the competent authority. The Contractor shall provide and maintain 2nos of e-cycles (Electricity for charging shall be provided for free) at 3 locations for movement of their staff in case if exigencies and regular use   |
| 16 | Page no 28 Clause 5.51     | Attendance shall be maintained using biometric system at three location mutually agreed by CMRL and Contractor (preferable in RSS premises)  | Attendance shall be maintained using biometric capture equipment connected to centralized/common server at three location mutually agreed by CMRL and Contractor (preferable in RSS premises)   |
| 17 | Page no 150 Price bid      | Add new clause   | x. In case of dispute in a particular bill, 70% of the bill shall be processed within no of days as prescribed in clause no 5.52.1  |