

PAKISTAN RAILWAYS
HEADQUARTERS OFFICE
LAHORE

INVITATION TO BID

Deputy General Manager, Pakistan Railways Headquarters office Lahore invites sealed bids under Single Stage Single Envelope procedure as per PPRA Rules 36 (a) 2004 from the firms / contractors registered with Income Tax and Sales Tax Departments and who are on the Active Taxpayers List (ATPL) of the Federal Board of Revenue, and registered with Pakistan Engineering Council in relevant financial category having specialized code EE04 with upto date renewal for the following work.

Description	Estimated Cost (Rs.)	Bid Security	Tender Closing Date and Time
Replacement of Old Conductor and DBs in Finney Wing and Baglay Wing Verandahs Pakistan Railways Headquarters Office Lahore.	3.110 Million	Rs: 100,000/-	29-06-2026 11:00 Hrs.

1. Bids submitted through E-Pak Acquisition and Disposal System (EPADS) will only be entertained (www.eprocure.gov.pk). Bid security will be submitted before opening of tender physically in the office of Assistant Electrical Engineer, Pakistan Railways Headquarters office, Lahore. Bidders will also upload the complete scanned copy of their bid in EPADS. Bids will be opened on 26-06-2026 at 11:30 hrs. on EPADS.

Note: EPADS Tender No:

2. Interested firm can download bidding documents from EPADS portal (www.eprocure.gov.pk).
3. Bidders are required to get registered at EPADS, PPRA to access the tender documents and other relevant information.
4. Bids prepared in accordance with the instructions contained in the bidding documents must be submitted on EPADS as per the schedule mentioned above.
5. Pakistan Railways reserves the right to accept or reject any or all bids as per provision of PPRA rule 33(1).


(Ali Javed)

Assistant Electrical Engineer
for Deputy General Manager
P.R Headquarters Office, Lahore.
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SPECIFIC INSTRUCTIONS TO THE TENDERERS.

- I. The bid shall not be accepted after the due date and time of closing of the Tender.
- ii. The tenderers are required to quote firm and final rates, both in figures and words for free delivery of material including erection at the site of Project/work. The rates should not be quoted in the terms of subject to any variation. In case of increase in Government Taxes/Duties etc, increase in rates shall not be permissible.
- iii. Tenderers may note that only rate should be quoted against an item of the tender with a validity period of 90 days. Discounts offered conditionally will be treated as if two rates have been offered. In case of non-observance of any of the above provisions, the offer shall be straight away ignored without making any back reference.
- iv. Tenderers are required to quote against all the items mentioned in the schedule of rates. The offer for the supply of by-part items shall not be considered.
- v. Tenderers are required to submit the Call Deposit receipt from the scheduled Bank or cash deposit receipt of earnest money to be deposited with Chief Cashier & Treasurer, Pakistan Railways, Lahore which should be addressed in the name of **FA&CAO Pakistan Railways Headquarters office Lahore** being the earnest money @ 100,000/-.
- vi. The Electrical wiring work/material should be strictly according to CEE's specifications.
- vii. The tenderers must give brand's name, Maker's name, country of origin of material.
- viii. It would be necessary for the Contractor/Firm to provide a "Certificate" from the agency, Government/Semi Government departments where he has undertaken such/similar works and has completed it satisfactorily in the prescribed time.
- ix. Pakistan Railways reserves the right of inspecting the material/equipment at the Agent/Manufacturer's premises as the case may be in order to monitor the progress and also quality of the work. It will be obligatory of the Contractor to provide all assistance.
- x. The Railway Administration reserves the right to accept a part or full or rejecting all the tenders without assigning any reason.
- xi. Pakistan Railways reserves the right to get the material tested from the third party or laboratory of its choice at the expenses of the Contractor. This will be in addition to the routine tests, in the manufacturer's premises.
- xii. Pakistan Railways reserves the right to lift material from the manufacturer's premises as deemed necessary. In this regard, the Contractor will afford all necessary assistance/agreements required for the purpose.
- xiii. Pakistan Railways reserves the right to depute its Engineer/representative to witness the tests as laid down in the B.S. Specification at manufacturer's premises.
- xiv/i. The Contractors are required to quote Sales Tax Registration No. allotted by the Sales Tax department.
 - ii. Production of proof of payment of Sales Tax Invoices by the Sellers.
 - iii. No payment will be made unless and until the said proof against item No. I & II is provided.
- xiv. In case of non erection of Material/Equipment under any circumstances, the recovery for the non erection shall be made at the under mentioned rates:-
 - i. For Schedule Items: As per labour charges mentioned in CSR 2021-22 above same % as offered by contractor. In case of labour charges not mentioned in CSR, labour charges will be deducted @ 10%.
 - ii. For Schedule Items: @10%.


Assistant Electrical Engineer
Pakistan Railways Ltd, Crs,
Office, Lahore.

The above recoveries will be only for allowing running bills. This does not absolve the Contractor from completing the entire work, failing which action will be taken as per Clause-23 of General Conditions of the Contract.

- xv. Any point which needs clarification before tendering can be discussed with the Senior Electrical Engineer/M, Pakistan Railways Headquarters Office, Lahore, and Assistant Electrical Engineer, Pakistan Railways Headquarters Office, Lahore or Electrical Foreman of the Electrical Department.
- xvi. The completion period will be within 30 days of signing of contract agreement. The contractor must ensure the readily available material in order to ensure completion period.
- xvii. The bidder will submit performance security @ 10% of offered rate after issuance of acceptance and before signing of contract. The Performance security will be submitted in form of CDR in name of FA & CAO, Pakistan Railways. The performance security will be released after successful completion of work.
- xviii. An amount equal to 10% will be deducted from each bill as performance guarantee and will be released after one year subject to satisfactory certificate by EFO/HQ.
- xix. Pakistan Railway is authorized to test any material before installation from approved testing agencies i.e. Bureau Veritas Pakistan Private Limited, SGS Pakistan (Pvt) Limited, Sunworth Inspection & Technology Pvt Ltd, TUV Austria Bureau of Inspection & Certification (Pvt) Ltd. and TUV Rheinland Arabia LLC at the expense of bidder.
- xx. The Bids must be stamped and signed before uploading on E-PADs otherwise, the bids will be rejected and not considered for evaluation.


Assistant Electrical Engineer/Power
Pakistan Railways Ltd, Qrs,
Office, Lahore.

Signature of the Contractor.
(With Office Stamp)

PAKISTAN RAILWAYS
GENERAL CONDITIONS
FOR ELECTRICAL WIRINGS IN RAILWAY BUILDINGS
OF PAKISTAN RAILWAYS. 38/AC-

1. **DEFINITIONS.** Throughout these conditions and in the specifications referred to herein or annexed thereto the terms:-
- (a) Railway administration. Means the President of Islamic Republic of Pakistan.
 - (b) Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant denotes Deputy General Manager Pakistan Railways Headquarters office Lahore of the Pakistan Railways, Lahore for the time being or such Officer as may be appointed to supervise the work on behalf of the Railway administration.
 - (c) "The Contractor" shall mean the person, firm or company with whom the agreement for the wiring of Railway buildings has been made.
 - (d) "Drawings works or works shall include the whole of the work to be done executed or carried out and the equipment and the material to be provided by the Contractor.
 - (e) Drawing shall mean the drawings issued with the tender documents, the drawings mentioned in the schedule of rates attached to the contract agreement, the drawings if any approved by the Chief Electrical Engineer or his Assistant from time to time in modification or in addition to the drawings referred to above and the drawings if any submitted by the Contractor.
 - (f) Site of works shall mean the whole premises, buildings and ground in or open where the work or works is/are to be executed, provided or carried out under the contract.
2. **SCOPE OF THE CONTRACT.** The contract is for the installation of electrical wiring in the buildings specified by the Railway administration including the supply and installation of all material, except these specifically mentioned to be supplied by the Railway, the testing and putting into service of the installation in accordance with Specification E.No. 39-A/C for electrical wiring of Railway buildings.
3. **SECURITY DEPOSIT.**
- i. Unless otherwise agreed between the employer and the Contractor shall within fourteen days written notice of acceptance of the tender has been posted to the Contractor and before the contract agreement entered into and executed furnish to the employer a security for the due fulfillment of the contract (in cash with the FA&CAO) concerned through the Divisional Pay Master or the equivalent in approved Banker's Guarantee Bond of a Scheduled Bank in the form annexed with the tender valid till 12 months after the prescribed date of completion of the work endorsed in the FA&CAO amounting to a sum equal to ten percent (10 %) of the contract price.
If the security deposit as aforesaid is made in cash, it shall be optional with the Contractor to make the full deposit before entering into and executing the contract agreement or agree to make it up by deductions of ten percent of the amount payable to the Contractor in each of the on account bills. In the later case the earnest money if deposited in cash shall be retained and added to the deduction from on account bills shall be the total deposit is equivalent to the amount of security deposit required. No interest shall incur on earnest money converted into security deposit or the security deposit if-self.
 - ii. In the event of the Contractor failing to make the necessary security deposit in the aforesaid manner, the Railway administration shall entitled to claim the earnest money lodged by the Contractor and to cancel the acceptance of tender.


Assistant Electrical Engineer
Pakistan Railways Hd, Qrs,
Gillan, Lahore.

4. TIME LIMIT. The Contractor shall fully and finally complete the whole of the work specified in the agreement with such alterations and specifications of the designs or materials, as may be directed by the Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant from time to time during construction by the date entered in the agreement, but if any alteration have been ordered which in the opinion of the Deputy General Manager Pakistan Railways Headquarters office Lahore have materially increased the magnitude of the work then such additions to the contract time for completion shall be made as appears to him to be reasonable under the circumstances. The Contractor will be held responsible for asking in writing for such extension of time as he may consider necessary.

If in the opinion of the Deputy General Manager Pakistan Railways Headquarters office Lahore whose decision in such matters shall be final, the completion of the contract is delayed due to any cause beyond the control of the Contractor, the Deputy General Manager Pakistan Railways Headquarters office Lahore may on the application of the Contractor in writing allow such further times for completion as he thinks reasonable.

5. EXTENSION IN TIME LIMIT. If the Contractor fails in the due performance of his contract within the time fixed by the contract or any otherwise extension thereof, the Railway administration is entitled to recover from the Contractor sum of half percent of the price of that portion of the contract not completed by the due date, for each and every week or part of a week taken extra by the Contractor to complete the work. The amount of penalty recovered shall in no case exceed ten percent of the value of the contract.
Alternatively at the option of the Deputy General Manager Pakistan Railways Headquarters office Lahore, the work may be given to another Contractor for completion or may be completed by the Railway administration itself and any loss or damage which the Railway administration may incur by reason of such failure on the part of the Contractor, shall be made good by him to the like extent as provided in the case of cancellation under Clause-23 thereof.
6. RATE TO COVER ALL CHARGES. The rates entered in the agreement are meant to provide for work duly and properly completed in accordance with the specifications and drawings. The said rates shall include and cover the cost of labor, materials, Superintendence small stores, scaffoldings and all apparatus of the work. It also include all cost of setting out the work.
7. RATES FOR EXTRAS. No claim for extra or additional work or works not provided in the contract of any kind whatsoever shall be admitted (even through shown to be necessary unless they have been executed underwritten orders of the Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant. The Contractor must produce such orders as vouchers for the claim.
8. Specification E. No. 39-A/C- for electrical wiring of Railway buildings. The workmanship shall be the best quality and the installation shall be delivered in good working order. Any point not clearly understood shall be referred to the Deputy General Manager Pakistan Railways Headquarters office Lahore for decision whose decision on the matter shall be final.
9. MEANING AND INTENT. If any doubt, dispute arises as to the meaning and intent of any portion of the Contractor concerning the work shall have the same effect as if given by the Deputy General Manager Pakistan Railways Headquarters office Lahore himself.
During the progress of the work, the Assistant to the Deputy General Manager Pakistan Railways Headquarters office Lahore when giving instructions to the Contractor's representative incharge of the work, shall enter the instructions in a book to be maintained at the work site by the Contractor. Under no circumstances shall be Assistant to the Deputy General Manager Pakistan Railways Headquarters office Lahore give orders to anyone other than the Contractor or his authorized representative.
10. ORDERS OF THE ASSISTANT OF THE DEPUTY GENERAL MANAGER PAKISTAN RAILWAYS HEADQUARTERS OFFICE LAHORE. All orders given by any Assistant of the Deputy General

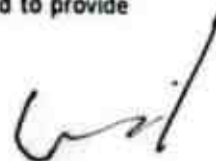


Assistant Electrical Engineer in Charge
Pakistan Railways, 114, Qrs.
Gillani, Lahore

Manager Pakistan Railways Headquarters office Lahore to the Contractor concerning the work shall have the same effect as if given by the Deputy General Manager Pakistan Railways Headquarters office Lahore himself.

During the progress of the work, the Assistant to the Deputy General Manager Pakistan Railways Headquarters office Lahore when giving instructions to the Contractor's representative in charge of the work shall enter the instructions in book to be maintained at the work site by the Contractor. Under no circumstances shall the Assistant to the Deputy General Manager Pakistan Railways Headquarters office Lahore give orders to anyone other than the Contractor or his authorized representative.

11. MANNER OF EXECUTION. The Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant shall have the power of directing the order and manner in which the several parts of the work shall be processed with and the Contractor shall execute without delay all such directions given to him from time to time but shall never be responsible for the corrections of the work and for due completion within the specified time.
12. POWER OF ALTERATION. The Railway administration shall have the power by ordering in writing under the hand of Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant, the enlarging extending, diminishing or reducing of the number of points, fittings, and equipment to be fitted and material to be supplied.
Such enlargements reductions shall in no degree effect the validity of the contract but shall be performed by the Contractor under subject to the same conditions, stipulations and responsibilities as if they had been originally and expressly included and provided for in the drawings and the price to be paid for shall be according to the schedule of rates annexed to the agreement (allowance being made for any incidental difference in the Contractor of the work).
13. INSPECTION OF THE WORK. The Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant and Subordinates of the electrical branch may at all stages and at any time inspect the Contractor's work during the course of execution and shall also have the power to test or cause to be tested any portions of the work or materials as they think fit in order to test their soundness efficiency and conformity to the specification and drawings. The cost of all such tests shall be borne by the Contractor who shall also provide the necessary layout, materials and appliances for such test.
14. CONTRACTOR'S STAFF AND LABOUR FORCE. The Contractor must provide efficient staff at all times on the work. The Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant shall have power to direct the prompt dismissal of any such Assistant or labour as they may consider objectionable, inefficient or in any way un-qualified for the posts they occupy. The Contractor must also at all times employ as such labour or every description as in the opinion of the Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant is necessary for the proper completion of the work within the times specified in the contract. The Contractor shall not employ children less than 10 years of age.
15. EXTRA SUPERVISION OF THE WORK. In the opinion of the Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant due progress shall not be made with the work in accordance with the contract, or the execution thereof is not up to the standard required as to all and every of which matters, the certificate of the Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant shall be final and conclusive. The Deputy General Manager Pakistan Railways Headquarters office Lahore may consider necessary order the employment of an extra subordinate or subordinates to supervise the work and the expense of such employment, including the salary of subordinates shall be debitable to the Contractor. In respect of such employment shall be given in writing to the Contractor by the Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant.
16. REMOVAL OF BAD MATERIAL AND WORK. If the Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant shall state in writing that the work is not up to the standard, the Contractor shall forthwith rectify, remove or reconstruct the same in whole or in part as may be specified, at his cost and in the event of his failing or refusing to do so, within a period to be fixed in writing or if he shall fail to remove from site of the work any material or articles which is considered unsound within the period specified in such notice and to provide



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suitable material or materials in lieu of these condemned, then the Contractor shall be liable to pay damage at the rates of one half percent on the total amount payable under the contract subject to the maximum of 5 % of the contract value for every day during which he fails to comply with the aforementioned written demands. In the event of his not complying with the aforementioned written demands even than 10 days after the expiry of the time specified in writing, the Railway administration has the option of terminating the contract and also shall be entitled to payment of any loss or damage resulting from such cancellation to the like extent as is provided in the case of cancellation under Clause-23 thereof or otherwise to deduct from the Contractor bill the cost/difference in cost of the material not provided by the Contractor, not according to the approved samples should in the opinion of the Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant, the work so completed is not detrimental to the normal performance of installation.

17. TERMINATION OF CONTRACT OWING TO DEFAULT OF CONTRACTOR. Should the Contractor die, be declared as Bankrupt or become insolvent, the Railway administration may serve notice in writing under the hand of the Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant forthwith rescinds the contract.

If the Contractor from any cause whatsoever is in the opinion of the Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant become unable to carry out the work with efficiency or the progress with the work in conformity with the terms of the contract or should his reparations for commencement and his subsequent rate or progress be go slow from any cause whatsoever that in the opinion of the Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant he will be unable to complete the work by expiry of specific period. The Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant may serve the Contractor notice in writing to that effect. If the Contractor does not within seven days after the delivery to his of such notice, proceed to make good his default and carry out the work or comply with such directions as aforesaid to the entire satisfaction of the Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant, the Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant shall have the power after giving 48 hours notice in writing to terminate the contract and to forfeit the security deposit made by the Contractor under Clause 3 thereof.

The Railway administration in all such cases as mentioned above shall also have the power to complete the work by any other agency and the Contractor shall pay the administration any sum or sums that it may expend in completing the work beyond the amount that would have been due to the Contractor had been duly completed the whole work in accordance with the Contractor. The administration shall further be entitled to be paid by the Contractor any additional expenses, leases damage which it may increase by reason of failure of the Contractor to duly and completely carry out the work.

18. CONTRACTOR TO BE PRESENT OR REPRESENTED ON THE WORK. The Contractor when he is not present himself, shall always have a responsible agent present at the site of work during working hours, and all orders given by the Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant to the agent shall be considered to have the same force as if they had been given to the Contractor himself. Before absenting himself, the Contractor shall give in writing the names and address of his agent.
19. ALL COMMUNICATIONS TO BE IN WRITING. All complaints, notices, communications and references to and from the Contractor concerning the work shall be in writing and so complaints, notices or communications not in writing shall be recognized.
20. SERVING NOTICE ON THE CONTRACTOR. The Contractor shall furnish in writing to the Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant his address on the work. All notices that have been delivered to him personally or to this agent or posted to the address given by the Contractor shall be considered to have been duly served to him.
21. INDEMNITY. The Contractor shall at all times indemnify the Railway administration against all claims which may be made in respect of the materials used by him infringement of any right protected by patent registration of design and trade mark, provided always in the event of any claims in respect of alleged breach of patent registered design or trade mark being made against



the Railway administration shall notify the Contractor and the Contractor shall be at liberty but at his own expenses, to conduct negotiations for settlement or conduct any litigates that might arise.

22. REPORT OF ACCIDENT. The Contractor shall be responsible for the safety of his workers and employees and all serious accidents to workmen on or in connection with the work shall be reported immediately by his to the nearest officer or subordinate of the Electrical Department or the Railway administration.

23. CONTRACTOR'S RESPONSIBILITY UNDER WORKMEN COMPENSATION ACT AND PAYMENT OF WAGES ACT.

The Contractor shall at all times indemnify the Railway against all claims which may be made under the workmen's compensation act, 1952 or any statutory modification thereof in respect of any damage or compensation payable in consequence of any accident or injury sustained by any workman or other person whether in the employment of the Contractor or not and shall take all risk of accident or damages which may cause a failure of the performance of the works from whatever cause arising and the entire responsibility for the sufficiency of the means used by him for fulfillment of the contract.

The Contractor shall observe and perform all the provision of the payment of wages (Act-IV of 1936) or any statutory modification thereof for the time being in force and any rules and regulations made here under with regards to be payment of wages to all persons employed by him under this contract and shall indemnify the Railway from and against any claim under Act by or behalf of any person employed by him and in respect of any application by Inspector appointed under the Act relating to a breach or non-performance by Contractors any of his obligations under contract and any cost incurred by Railway in connection with any such claim or application if in compliance the terms of this contract, the Contractor supplied any labour to be used wholly or partly under the direct orders and control of the Railway whether in connection with any work being executed by the Contractor or otherwise for the purpose of Railway such labour shall for the purpose of this clause shall be deemed to be persons employed by the Contractor or otherwise moneys shall as the result of any claim or application as aforesaid be ordered to be paid by the Railway, such money shall be deemed to be moneys payable to the Railway by Contractor and non failure by Contractor to repay to the Railway any moneys, paid by it as aforesaid within seven days after the same shall have been demanded. The Railway shall be entitled to cover the same from any moneys due or acquiring the Contractor under this of other contracts with the Railways.

24. USE OF WORK PENDING COMPLETION. The Railway administration shall be at liberty, if required at any time to put into beneficial use the whole or any part of the works which it may desire to use pending final completion and taking over of the same. Such putting into service will not in any way relieve the Contractor or his responsibility to have worked looked after until taken over, as specified in Clause-33.

25. CUTTING AWAY AND MAKING GOOD. The Contractor shall carry out all necessary cutting way and making good for the purpose of the contract of all wood work walls, floors etc, of Railway buildings. The Contractor shall be responsible and shall made good at his own expense to the entire satisfaction of the Deputy General Manager Pakistan Railways Headquarters office Lahore and his Assistant any damage or disfigurement of the Railway buildings and property which be caused by Acts of commission or commission done by him or his agent of labour in execution of the contracts.

26. RESPONSIBILITY OF CONTRACTOR UNTIL TAKEN OVER. The Contractor shall be held entirely responsible for all work carried out by him until it is finally taken over by Railway administration and he will be liable to be called upon to make good any damage or loss may occur due to any cause during the entire period until the work is taken over.

The Contractor while executing the work shall ensure that the minimum amount of damage is caused to the Railway's buildings and property. He shall be responsible for damage which may be caused to the Railway property by acts of omission and commission of the work.

The Contractor shall be responsible for all damages which may be caused to members of the staff of Railway administration to the public due to any action of staff of the Contractor.

W. I.

Assistant Engineer
Pakistan Railways
Lahore

27. TAKEN OVER. The work shall for the purpose of all provisions of these conditions be deemed to have been completed and taken over by Railway administration when the Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant shall have certified in writing that it has been completed in accordance with those conditions of contract and specifications and drawings referred to therein.
28. CONTRACTOR'S LIABILITY TO MAKE GOOD DEFECTIVE WORK. Contractor shall make good at his own expense all defects in the installation which may appear within six months from the date of bringing the installation into beneficial use when such defects are due to defective workmanship, materials executed or supplied by him.
29. MEASUREMENT OF WORK. Measurement will be taken of the work in progress with such intervals between them as per considered proper by the Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant or a subordinate of the Electrical department having regard to the progress of work and payments are to be made to the Contractor in accordance with Clause-36.
- The date and time on which final measurements are to be made will be communicated to the Contractor, who shall be present in person or through an authorized agent at the site of works at the time of measurements are made and shall sign the results of the measurements in the official measurement book as an acknowledgement of accuracy of the measurements. Failing his attendance, the work may be measured up in his absence, and such measurement shall be binding upon him whether or not he shall have signed the measurement book. Provided always that any objection to any measurement made by him in writing within seven days after measurement has been taken shall be duly investigated and considered.
30. PAYMENT OF SECURITY DEPOSIT.
- a. The Contractor who has deposited 10 % security in cash or forwarded a letter of Guarantee in lieu of cash deposit viz, 10 % of the total cost of the agreement shall be paid from time to time up to 100 % of the value of work completed according to specifications and satisfaction of C.E.E. or his Assistant within 6 months after the date of submission of his bill.
- b. The Contractor, who has not deposited security as referred to in Clause (a) above, shall be paid from time to time 90 % of the work completed within 2 months after the submission of his bill.
- c. The one half of security deposit shall become due and shall be paid to the Contractor after the expiry of 6 months subsequently to the whole of work covered by the contract being taken over by Deputy General Manager Pakistan Railways Headquarters office Lahore as provided for herein.
- d. The other half shall be returned after 12 months from the date of completion after the Contractor make good all defects if any in the installation arising out of work done by him or defective material used by him as required in Clause-34 hereof.
31. POWER OF ATTORNEY. Should the Contractor intend the payment of all or any of his dues by made to agent, he must support the request by a proper power of attorney. The save delay, the Contractor is advised to obtain legal opinion when drawing up the power of attorney.
32. PAYMENT TO A FIRM. In case of a firm of joint Contractors, payments may be made to any member or other of the joint Contractors, and the receipt of any of them shall be good discharge thereof.
33. RAILWAY PASSES. The Railway administration shall not provide for the Contractor, his labour or carriages of any material, any passes whatsoever, the whole cost of transport shall be born by him.
34. Relatives of the Contractor. Should the Contractor have a relative employed in the Electrical branch of Pakistan Railways, he must inform the Deputy General Manager Pakistan Railways Headquarters office Lahore of the fact before signing the agreement, failing which his contract may be cancelled if the fact subsequently comes to light and he shall be liable to make good any loss or damage resulting from such cancellation to the like extent provided in the case of cancellation under Clause-23 thereof.
35. BRIBES COMMISSION ETC. Any bribe, commission, gift or advantage given, promised or offered by on behalf of the Contractor or his partner agent or any one on his or on their behalf of any



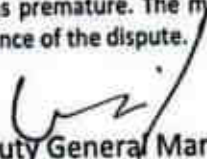
Deputy General Manager
Pakistan Railways
Headquarters Office
Lahore

officer or representative of the Railway administration or the President of Pakistan or any person on his or on their behalf in relation to obtaining or to the execution of this or any other contract with Pakistan Railways shall in addition to any original liability which may incur subject to the Contractor to the cancellation of this and all other Contractors and also the payment of any loss or damage resulting from such cancellation under clause-23 hereof. And the Railway administration shall be entitled to deduct the amount of so payable from any money otherwise due to the Contractor under this or any other contract.

Any question or dispute as to the commission of any offence under this condition shall be settled by the Railway administration in such a manner as it shall think fit and sufficient and their decision shall be final and conclusive to the like extent as is provides in the case of cancellation.

36. LAWS COVERING THE CONTRACT. The contract shall governed by the laws of this country for the time being and in force.
37. MARGINAL HEADINGS. The marginal headings of the conditions hereto shall not effect the conditions thereof.
38. POWER. The powers of the president of Islamic Republic of Pakistan under the above conditions shall be exercised by the Deputy General Manager Pakistan Railways Headquarters office Lahore of Pakistan Railways.
39. AMICABLE SETTLEMENT.
The parties shall use their best efforts to settle all dispute amicably through negotiation/conciliation arising out of or in connection with this Agreement or its interpretation through committee as constituted by the Deputy General Manager Pakistan Railways Headquarters office Lahore of Pakistan Railways.
- 40.1 DISPUTE SETTLEMENT.
Any dispute between the parties as to matters arising pursuant to this agreement which cannot be settled amicably as per clause 40 within thirty (30) days after receipt by one Party of the other Party's request for such amicable settlement, may be submitted by either Party for settlement in accordance with the provisions of the Arbitration Act, 1940 (subject to clause
- 40.2 The reference shall be to two arbitrations, one appointed by each party to the dispute. Before entering on the reference and, in any event, no later than one month from the last date of their respective appointment, the arbitrators shall appoint an umpire with mutual consensus. The arbitrators shall render their decision within 30 days. The venue of arbitration proceedings shall be at Lahore, Pakistan, and the parties hereby agree to be bound by any final decision or award of arbitrators duly appointed. The services under the contract shall, if reasonably possible, continue during arbitration proceedings.
- 40.3 MEDIATION.
Before resorting to arbitration under Clause 40.1 with or without intervention of court under arbitration Act 1940 but after the exhausting the Clause 40, aggrieved party shall be bound to ask for settlement of dispute, if any, through alternate dispute resolution as envisaged under section 89. A code of civil procedure by referring the dispute to mutually agreed recognized/certified mediator, expenses whereof shall be borne by such aggrieved party. The suit/application before the court under arbitration act 1940, if filed by either of two parties before invoking Clause 40 & 40.1, shall be considered as premature. The mediator shall decide the matter within 30 days after having taken cognizance of the dispute.

Signature of Bidder.


for Deputy General Manager
Pakistan Railways Headquarters,
Lahore.

PAKISTAN RAILWAYS.

SPECIFICATION NO.39-A/C.
SPECIFICATIONS.

INSPECTION OF INTERNAL WIRING IN RAILWAY BUILDING.

1. Scope of contract. The work required under this specification covers the supply of all material and labour for internal wiring installation in Railway buildings. The rate per point/item quoted by tenderer shall cover the cost of all mains, sub-mains, control mounting boards, main I/C switches, distribution boards and such other accessories as are necessary to make the internal wiring installation complete from the "Point of entry" at the overhead service pole/bracket to various lights, fans and socket out-let, points as defined below"-
 - (a) PENDENT LIGHT POINTS. The Contractor's work will cover upto and including the ceiling rose.
 - (b) CEILING FAN POINTS. The Contractor shall cover all wiring upto and including ceiling rose and erection, wiring and connecting up of condensers and for regulators, Fan hooks or approved design will be supplied and erected by the Contractor. He shall quote extra for this item if necessary.
 - (c) BATTEN LIGHT POINTS AND SOCKET OUTLETS. The Contractor will supply and install necessary bayonet cap type batten holders complete with E.I. shades "0" dia meter and socket to let complete with plug. The batten holders shall be of the bayonet type complete with shade carrier rings.
 - (d) BRACKET LIGHT POINTS. Bracket light points shall be wired complete upto round block by the Contractor, but the fitting shall be supplied and erected at extra cost.
 - (e) CALL BELL POINTS. The Contractor will wire bell points with required numbers of push button.
 - (f) POWER POINTS 5, 10, 20, 30, 40 K.W. The Contractor will wire power points upto ironclad double/triple pole switch fuses. Switch suitable for controlling the point will also be supplied and installed by the Contractor.
The total number of points to be wired and the buildings where they are to be provided are specified in the schedule of rates attached.
2. SYSTEM OF SUPPLY. One of the following system of electric supply will be available:-
 - a) D.G. 2 wire, 220 volts.
 - b) D.G. 3 wire, 440/220 volts, Neutral earthed.
 - c) A.C. 2 wire, 230 volts, single phase, 50 Cycles Neutral earthed.
 - d) A.C. 4 wire, 400/230 volts, 3 phase, 50 Cycles, Neutral earthed.Multi wire system mentioned under (ii) & (iv) above will be available only for buildings where the connected load exceeds 4 KWs. In case of such buildings, the lamps, fan and socket outlet circuits shall be wired for 220/230 volts; the loading shall be properly balanced at the main switch board.
3. APPROVAL OF LAYOUT APPARATUS AND MATERIAL. The layout of the wiring as well as apparatus and material used shall be subject to the approval of Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant.
4. CABLE LENGTH. Contractors must determine their own cable length by actual inspection of buildings at site. The position of house service poles/brackets, main ironclad switches and meter boards will be marked in the buildings by a representative of the Deputy General Manager Pakistan Railways Headquarters office Lahore.
5. WIRING SYSTEM. The system of wiring shall, as called for in the schedule of rates been accordance with the appendices attached here to and shall complete with the clause applicable to the respective system specified:-
 - APPENDIX 'A' Wiring in Track wood casing and capping.
 - APPENDIX 'B' Teak wood batten wiring with PVC insulated & PVC sheathed cable.
 - APPENDIX 'C' Concealed wiring with PVC shayyl conduit.
 - APPENDIX 'D' Surface wiring with PVC shayyl conduit.


Assistant Electrical Engineer (Power)
Pakistan Railways Ltd, Lahore
Date: 12/11/2019

The general clauses of this specification (except where modified in the above appendixes) shall be applicable all systems.

6. METHOD OF WIRING. The wiring shall be done on the distribution system with main and sub-distribution boards providing fuse protection at convenient centres and not at isolated places.

All wiring shall be run as approved by Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant neatly along the walls and ceiling so as to be, as high and inconspicuous as possible without disfiguring the internal appearance and meanness of the buildings. The wiring shall on no account be run diagonally across the rafters.

Distribution wiring circuit of opposite polarity connected to a multi-wire system shall be kept not less than 5 feet apart. The type of wiring for various buildings shall be as stated in the schedule of rates.

7. INCOMING SERVICE CONTROL.

i. Where the electrical installation within building forms completed distributing unit, the control equipment shall comprise of the following:-

- a) Single pole, ironclad switch with a fuse in the outer and link in earthed neutral conductor. The switch shall be of suitable capacity and of inter locked type so that its cover cannot be opened and the fuse unless the switch is in the "OFF" position.
- b) Meter if suitable capacity will be supplied, erected and connected up by the Contractor.
- c) Distribution board as specified in Clause 10 hereof.
- d) Control mounting board. (See also relevant clause of the Appendix attached).

The control gear specified in Sub-clause (i) shall (together with meter or meters) be mounted on swing back, well seasoned, finished and varnished teak wood board, spaced cleared of the wall by spacing. The board shall be of an approved hinged front pattern which provide adequate space for accommodation of the wiring and ready for inspection thereof.

The board shall be of approved design generally as per drawings No. 1132 which can be had from this office and have dimensions suitable to adequate space for mounting of controls under Clause 7(i) and the meters necessary to effect control as under:-

- A. A.C. & D.C. 2 wire 230/220 volts. = 1 Meter.
- B. D.C. 3 wire, 440/220 volts. = 2 Meters.
- C. A.C. 3-phase, 4 wire 400/230 volts. = 3 Meters.

In case of building comprising of a block of quarters fed from one service there, there shall be installed at the point of entry to building, the following equipments:-

- a) Suitable size ironclad switch with fuses on the phase and on neutral, housed in weather proof enclosure shall be installed on the individual service pole by the Contractor, which he should quote for extra. Each iron clad switch should be so inserted between the over bounding service line and the incoming mains which go through the service pole into building that when the switch is in open position, each is dead. The lead & return shall always be taken together in one and the same conduit.

- b) For purpose of a 2 wire, 220/230 volts supply mains run in conduit shall be provided and connected between the control switch in sub-clause (ii) (a) and individual quarter control covered by sub-clause (i) a. The service main for individual quarter shall not be teed off from main running for all quarters in this stock by making a joint in the cast iron/tee uncton box, but instead shall be looped from terminal board of K.W.H. meter of the quarter where upon the service pole is installed, to the adjoining quarters and so on.


Or alternatively, when supply is multi-wire, there shall be provided & connected.

Iron clad distribution board with fuses in outer or phase pole and with link in the neutral or earths pole, the distribution box shall be connected through mains run in separate conduit between incoming control switch in sub-clause (i) (a) and also individual quarter controls in sub-clause (i) (a) hereof.

Assistant Electrical Engineer
Pakistan Railways H.Q. Office,
Office, Lahore.

- c) Where a multi-wire system is utilized, the requirements of Indian Electricity Rules, 1937 (as adopted by Pakistan). Clause 31 & 60 shall also apply.
8. **MAINS.** The Incoming mains from service connection shall consist of PVC Insulated, PVC sheathed single/twin core cable with separate earth continuity conductor 14 SWG. Tinned copper wire CMA standard viz Pak cables, Atlas or Newage Make: 250/400 volts grade (to suit the voltage of circuit where used) drawn by Contractor in the Railway service steel pipe and thereafter in salio drawn on waleed enameled/condulet. Class 'B' of specification No. 31 or which shall also be provided and fixed by the Contractor. The minimum size of service main provided shall be not less than 7/0.029" screwed electric thread or PVC conduit shavyl.
The PVC, shavyl steel conduit shall project 3" into the Railway service pipe & terminate at the main switch, distribution or control board. Where there is no Railway service pole, the Contractorboard provides necessary PVC shavyl/steel conduit upto the Railway service bracket. In all cases, the cable connecting the overhead copper service line shall be suitably protected against the weather in a manner approved by Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant.
9. **SUB-MAINS.** All connection between main switch and main distribution board and sub-distribution boards shall be in VRI/PVC sheathed now standard (CMA) 250/440 volts grade (to suit the voltage or circuit share used) single core cable.
10. **MAIN AND SUB DISTRIBUTION BOARDS.** Main and sub distribution boards shall be provided at convenient places as approved by Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant. Leading of a sub-circuit shall not exceed the single sub-circuit loading specification hereafter.
He distribution boards shall be of the swing back, metal clad type and fitted with suitable outlets for system of wiring specified and shall be so constructed as to leave ample room in so for convenient and neat arrangements of the Contractor.
The fuses shall be of an approved protected re-wire cable type and mounted as specified hereinafter. Fuses of opposite polarity shall be mounted on separate basis, minimum clearance of 1/2" shall be provided between the sides of the case and there shall be not less than 1" clearance between the front cover and the fuses.
11. **SPARE WAYS.** One spare way shall be provided on each sub-circuit distribution board.
12. **NUMBER OF DISTRIBUTION BOARDS.** The numbers of distribution boards are to be determined by the number of ways which can be economically used from one board. If the loading in any staff quarter is less than 600 watts, no distribution board is necessary. The main switch and fuses will serve the purpose.
If the loading exceeds 600 watts, a distribution board is necessary and spare way called for is to be provided.
13. **FINAL CIRCUIT LOADING.** Every final sub-circuit shall be connected to a separate way on the distribution board (Except where, the total load is less than 600 watts and maximum number of light and fan points that may be connected to a final sub-circuit shall be determined in accordance with the load given in the table under clause-14, subject to the maximum loading not exceeding 600 watts, each final sub-circuit shall be controlled by a fuse.
Socket outlets shall be wired on separate sub-circuit which shall not carry any other load. Not more than 2 socket outlet points of 5-amps: and one of 15- amps: shall be wired on any final sub-circuit. In case of class-IV staff quarter, however the socket outlet point need not to be wired on a separate circuit, provided the total connected load, including socket outlet point, does not exceed 600 watts.
14. **RATING OF LAMPS, FANS AND SOCKET OUTLET POINTS.** The following ratings of points shall be taken for determining the size of cable to be used.

Item.	Wattage for point.		Power Factor in A.C. system only.
	Service buildings.	Residential buildings.	
Light point.	100	60	1.0


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 Pakistan Railways Hd. Qtrs.
 Office, Lahore.

Fan point.	100	100	0.5
Socket outlet points, 5-amps:	500	250	1.0
Socket outlet points, 15-amps:	2000	2000	0.8

15. **WIRES AND CABLES.** All conductors shall be of stranded copper and in accordance with the British standard specification No. 7 and as set forth in I.E.E. Wiring Rules (latest edition) No. conductor shall have a cross-section of less than 002 square inch: All cables shall be V.R.I. or PVC insulated and PVC sheathed, 250/440 or 660/1100 volts grade (as required) conforming to the new standard of British cable makers Association and Pakistan specification. Each coil must be accompanied by test certificate, stating the maker's class, date of manufacture and giving the results of insulation tests.
16. **CABLES SIZES.** The cables sizes included in the tender are to be clearly stated. The current density allowed shall be not more than 80 % of I.E.E. rating. The cross sectional area of all conductors inside buildings shall be so proportioned to their length that the drop in pressure between main switches and forest or any point does not exceed 2 % of the supply voltage with all consuming apparatus in use.
17. **JOINTS.** No joints shall be permitted in the run of wiring but when shall they cannot be avoided, made by means of approved Mechanical connector in a suitable and approved junction boxes.
18. **JUNCTION BOXES.** All junction boxes shall be made of well finished and varnish impregnated teak wood and suitable arrangements shall be provided to secure electrical continuity with earth continuity wire on either side by means of tinned copper strips having a minimum width of 1/2" and not less than 1/8" thick. The sheathing of metal clad wiring shall be attached there it be means of clips secured by screws on either side. Where a separate earth wire is taken electrical continuity shall be maintained throughout the earth wire.
19. **MOUNTING.** Switches and fan regulators shall be mounted on wall finished, impregnated, swing back wooden boards of approved design and of suitable size grouped at convenient and approved location. The centre line of the board being at a height of 5' above floor level unless otherwise approved.
20. **TUMBLER SWITCHES.** Each fan, light and socket outlet 5 amps: point shall be controlled by a 5 amps: tumbler switch of quick make and break type fitted with Bakelite cover and knot of approved quality and suitable metal re-enforcement shall be provided in the Bakelite for any screw threads. For 15 amps: socket outlet points, 15 amps: capacity S.P.N. Iron clad switch shall be provided.
All switches controlling wiring points must be placed on outer of (Phase conductor).
21. **SOCKET OUTLET & PLUG.** All socket outlets shall be of 3 pin type, 5 amps: capacity complying with B.S. specification number 46. The shrouds of socket shall be of moulded bakelite. The socket outlets shall be fitted approximately 5' above floor level unless otherwise approved by Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant.
22. **CEILING ROSES.** All ceiling roses shall be of best quality bakelite and of approved type and mounted on suitable wooden bases/round blocks.
23. **OVERHEAD SERVICES FOR KITCHEN.** Tenderers shall quote at the time of tendering an extra price per foot run for erecting outdoor services, from main building to kitchen, fan gantry, or garage or other out houses with water proof cable size 250/440 volts grade complying with CMA standard carried on bearer wire of standard galvanized steel of not less than 7/16 SWG, size complete with clips, straining screws eye bolts etc. Generally as shown in sketch No. 665 which can be had from this office. The cable shall be attached to the bears wire by means of clips either material or insulated at a distance of not more than 18' apart and the bearer wire shall be efficiently encored with "earth" at both ends of each span.
Joint in cable shall not be permitted and the cable must run continuously in one length from the pole, post or bracket as case may be upto a switch or distribution board, so that no bare


 Assistant Electrical Engineer Power
 Pakistan Railways Ltd, C/S,
 Office, Lahore.

conductors are exposed and no leakage of electricity can occur under the most adverse climate condition.

Tenderer shall submit detailed dimensions drawings, which shall confirm generally to the above sketch showing the manner in which they propose to carry out the work. The work shall be carried out in a manner approved by the Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant.

24. **EARTHING.** The wiring system will be provided if included in the schedule of rates with one earth conductor of section not less than 02 Sc. Inch: (8 SWG copper) connected between main control board referred to in clause 10 and the earth pipe in case of low pressure, 2 separate and distinct earth pipe in case of medium pressure throughout installation, the Contractor shall supply and install a continuous earth control in the manner specified in appendices attached hereto. G.I. earth pipe 6'/10' long of 2" bore dia with necessary connection from earth pipes to main control boards will also be provided by the Contractor if included in schedule of rates. Earth wire or earth pipes and control boards etc shall be provided with tinned copper thimbles and wire running along walls or floors shall be properly clamed.
- A test of continuity and efficiency of earthing of all metal casing will be conducted and it must be possible to ring, 2 volts bell is connected between most distant lengths of piping or metal casing and water pipe or other earthed metal.
- In case of Class-IV staff quarters, one earth pipe will be provided for three quarters. The connection from one iron clad switch to other iron clad switch shall be in the manner specified for providing connection from main switch to earth pipe which shall be proved by Contractor if included in schedule of rates.
25. **SWITCHES AND DISTRIBUTION BOARDS SIZES.** The capacity of switches, socket outlets and distribution boards offered in the tender shall be clearly stated.
26. **METERS.** Quotations may be sent for supply and erection of KWH meters as per requirements in schedule.
27. **MANUFACTURER NAME.** The manufacturer's name and country of manufacturers of all apparatus included in the tender shall be specified.
28. **DRAWINGS.** The Contractor on completion of the contract, shall before the installation is taken over by Railway administration, supply the approved drawings and diagrams of buildings having connected load 10 KW and above as under:-
- Layout of mains and sizes of each.
 - Layout of sub mains and sizes of each.
 - Main and branch distribution on boards.
 - Position of lamps, fans and fittings, branch wires need not be shown, but the number of fittings etc, connected to each circuit must be clearly indicated in wiring plan, corresponding to the number of fuse in distribution boards.
29. **TESTS.** On completion and before the installation is taken over by the Deputy General Manager Pakistan Railways Headquarters office Lahore or his Assistant, tests enumerated below shall be made.
- All switches (including main switch, if practical closed with all fuse links in places, all lamps and appliances in position or both poles of wiring otherwise electrically connected together and with a pressure not less than twice the intended working pressure, in installation resistance to earth shall be not less in mega ohms, than 50 divided by the number of outlets (points and switches) from the fixed wiring, the insulation resistance need not however, exceed one mega ohms for any final sub circuit.

NOTE:

A switch combined with a socket outlet appliance or light fit is deemed to be one outlet for the purpose of this specification.


Assistant Electrical Engineer
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Office, Lahore.

b) With all lamps and fans removed and switches on a similar test between poles shall be demanded.

30. **REGULATIONS.** The installation except as modified here in shall comply with:-

- i. Regulation for electrical equipment of building, issued by the Institution of Electrical Engineer (London) current at the time of tendering.
- ii. The Indian electricity Act as adopted by Pakistan and all rules framed there under-

31. **PRICES.** Prices shall be on a Firm Rupees basis and not subject to any exchange fluctuation. The requirement will not normally vary materially from that shown in the schedule of rates but prices should good for a variation of 25 % above or below.

The actual amount payable to the Contractor shall be for the total number of points actually wired in accordance with the contract at accepted rates.

32. **COMPLETE** tender. No tender which is incomplete or which does not quote inclusive price for whole job including I/C main switches mains and sub-mains etc, as specified above will be considered.

33. **EXTRA FITTINGS.** An extra price is to be quoted for supply and fittings the following:-

- a) Pendant light, complete with necessary length of PVC insulated & PVC sheathed, twin core circular cable size 14/0.0076, DC lamp holder and 10 Inch: dia enameled iron shade of 26 SWG enameled Green outside & white in side.
- b) Fixed pendant light using 1/2" Gas piping for suspension, complete with necessary length of PVC insulated non sheathed flexing twin core twisted cable size 14/0.0076" B.C. lamp holder and 10 inch: dia enameled iron shade green outside & white inside of 26 SWG.
- c) Bracket light fittings consisting of one 9" x 1/2" goose neck polished brass or iron, copper oxidized 26 SWG enameled white side and green outside. (Complete with B.C. lamp brass holder) 10 Inch: dia E.I. shade.
- d) Bracket fancy with B.C. lamp holder lamps.
- e) Bracket water tight complete with glass globe & B.C. lamps holders & lamps.
- f) Call bells switch required number of push buttons.
- g) K.W.H. meters house service type suitable for 230 volts, 50 Cycles, A.C. and of required capacity of approved brand.
- h) K.W.H. meter H.S. type suitable for 400 volts, 5 phase, 4 wire, 50 cycles A.C. and of required capacity of approved brand.
- i) Fluorescent fitting 4-40 watts complete with all accessories (as C.D.F's specifications).
- j) Other special fittings as specified.
- k) G.I. earth pipe 2 bore of required size to CEE's drawing No. 1315 with connection etc.

34. The Contractor will utilize the material of following makes and specifications:-

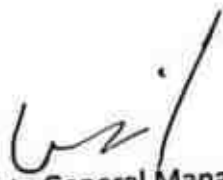
1. Main switch 15 amps: and 30 amps: S.P.N. 250 volts (with neutral link) make FICOsandlux or candalite.
2. PVC insulated & PVC sheathed single core cable V.B.I. single core cable for sub-mains (Tak cables, Atlas or Newage for double PVC cables and Pak cables for V.R.L. cables).
3. Teak wood button for surface wiring size 1/2" and of amplex width to suit the number and size of wires.
4. Teak wood with capping size 1 x 1/2" and capping 1/4" thick.
5. Wiring clips with nails.
6. Spacing round porcelain size 1" x 1/2" to CEE specification No. 17.
7. Tumbler switch make: P.P.I. EMC or CHINA.
8. Three phase Iron clad switch fuse unit with neutral link 30 of 100 amps: etc, 500 volts to BSS No. 3185/latest, make: FICO, sandalux or sandalite.
9. Wall tube (porcelain or plastic pipe 1/16" thick.
10. Socket outlet 3 pin, 5 amps: complete with plug for lighting make: EMCO, PPI (Preferably basis).
11. Button holder of required amps: PPI or MMCO.



Project Engineer, Electrical Division
Pakistan Railways P.W.D. Dept.
GPO, Lahore

12. Ceiling rose 5 amps: KMCO or PPI.
13. Wooden boards for mounting switches and socket outlet etc, size 8"x10"x2", 15"x12"x2" and 24"x14"x2", hinged generally and 7x4"x1" as per CEE's drawing 1132.
14. Plug teak wood tapered size 1x3/4" or Rawl plug size 1/2", No. 8.
15. Round block wooden size 3"x1 1/4" thick.
16. PVC conduit pipe 3/4" dia make Shavyl.
17. Elbows, bends, junction boxes (PVC) for PVC conduit pipe of 3/4" dia of thickness.
18. Pendant holder complete with cable flexible twin core, PVC Insulated & PVC sheathed (approved brand) of required length 600/1100 volts grade and E.I. shade 10" dia, 24 gauge white inside & green outside.
19. Bracket Indoor Iron copper oxidized 9"x3/4" complete with bracket holder 3/4" & 10" dia including E.I. shade 26 gauge.
20. Bracket outdoor weather proof water tight complete with brass holder 3/4" reflector 24 SWG, painted & Glass globe.
21. K.W.H. meter H.S. type 10 amps: 230 volts, 50 C/S single phase of approved brand.
22. Distribution board make "FICO", Sandalux.
35. FURTHER INFORMATION. Any additional information required for tendering may be obtained from the office of Deputy General Manager Pakistan Railways Headquarters office Lahore, Pakistan Railways, Lahore or controlling officer concerned.
If desired buildings can be inspected at site after making prior arrangements with the Officer concerned.

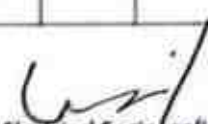
Signature of Bidder.


for Deputy General Manager
Pakistan Railways Headquarters,
Lahore.

BID EVALUATION CHECK LIST

S.No.	CRITERION	YES / NO	Remarks
1.	Has the bidder attached/enclosed the original bid security of Rs. (100,000) in favour of FA & CAO/PR in form of CDR with the technical proposal?		
2.	Has the bidder confirmed Railway Specification / Requirements / Description as stipulated in this tender and signed and stamped each page of the bidding documents?		
3.	Is the bid validity according to the tender clause i.e 90 days from the date of opening tender?		
4.	Has the bidder confirmed completion period (30 days) as per bidding documents?		
5.	Is the offer un-conditional?		
6.	Has the bidder indicated its National Tax Number?		
7.	Is the bidder certified with PEC in Category C6?		
8.	Is the bidder certified with PEC in Category EE-04?		
9.	Is the bidder's name included on ATL & Sales Tax Registration of FBR?		

Bidder Signature with Stamp


Assistant Electrical Engineer/HQ
Assistant Electrical Engineer/Field
Pakistan Railway's Hd. Qtrs.
Office, Lahore.

Technical Proposal

Replacement of Old Conductor and DBs in Finney Wing and Baglay Wing Verandahs Pakistan Railways Headquarters Office Lahore.

	Description of work	Unit.	Qty:	Brand Offered /Country of origin
	SUPPLY AND ERECTION OF MATERIAL .			
	NON SCHEDULE ITEMS.			
1	Distribution Board of 18 SWG M.S Sheet size 18"x16"x6" Gray painted inside and outside Complete fitted with Copper Busbar size 1" width X 1.5 Sojt thick and 10" Long =04 Nos. having holes for connections fitted on Insulators with covering M.S sheet fitting and fixing arrangements as per site requirements.	Each	22	
2	Distribution Board of 18 SWG M.S Sheet of size 20" X 24" X 6" Gray painted inside and outside Complete fitted with Incoming Tripple Ploe MCCB 60 Amp=01 Nos, Outgoing Single Pole MCB 10/20Amp =15 Nos, Outgoing Triple Pole MCB 32Amp =02 Nos, Make Schneider or equivalent best quality Indication Lights, volt Meter, Ampere Meter Selector Switches for Volt and Amere Meters, CTs 60/5=03 Nos. Lockedable Door and fixing arrangements as per site requirements of Railway Approved Brand.	Each	5	
3	Distribution Board of 18 SWG M.S Sheet of size 20" X 24" X 6" Gray painted inside and outside Complete fitted with Incoming Tripple Ploe MCCB 100 Amp=01 Nos, Outgoing Single Pole MCB 10/20Amp =20 Nos, Outgoing Tripple Pole MCB 32Amp =02 Nos, Rotary Change over Switch 100 Ampere =01 No. Make Schneider or equivalent best quality Indication Lights, volt Meter, Ampere Meter Selector Switches for Volt and Amere Meters, CTs 60/5=03 Nos. Lockedable Door and fixing arrangements as per site requirements of Railway Approved Brand.	Each	1	
4	Copper Thimbles with Nut and Bolts for 16mm cable as per site requirement	Each	96	
5	Double LED Tube Light Fitting Complete with Rod 18 Watt Make Philips or equivalent.	Each	28	
6	Cable Tray 16 Guage Size 6"x3" Complete witch Cover fitting and fixing arrangement on wall with angle iron as per site requirement complete in all respect.	Ft	640	
	Total-A.			


 Registered Electrical Engineer
 Pakistan Railways Ltd. Off,
 Office, Lahore.

Signature of Contractor :- _____

Office Stamp:- _____

SCHEDULE ITEMS.			
	PVC pipe including inspection boxes, pull boxes, bends, tees, cutting jharries, repairing surface, complete with all accessories for recessed wiring in walls as per site requirements, make: POPULAR or equivalent as approved		
7	Size 1" CSR Item No. 1.3.1 b iii	Mtr	350
	Single core PVC Insulated, PVC sheathed Copper conductor cable 600/1100 volts In Prelaid PVC Pipes, M.S Conduit, G.I pipes, In trenches make: Newage or equivalent quality as approved		
8	size 3/0.74mm (3/0.029"), CSR Item No. 2.1.1 a	Mtr	2300
9	Size 7/0.74mm (7/0.029"), CSR Item No. 2.1.1 c	Mtr	1400
10	Size 7/1.2mm (7/0.044") , CSR item No. 2.1.1 e	Mtr	1170
	4 Core core PVC Insulated, PVC sheathed Copper conductor cable 600/1100 volts In Prelaid PVC Pipes, M.S Conduit, G.I pipes, In Cable Trays In trenches make: Newage or equivalent quality as approved		
11	size 7/1.63mm (7/0.064"), CSR Item No. 2.2.1 c	Mtr	430
12	Miniature Circuit Breaker Single Pole 10/20 Ampere CSR Item No.9.8.1	Each	224
13	Molded Case Circuit Breaker Tripple Pole 63 Ampere CSR item No.9.8.2 b	Each	19
14	Molded Case Circuit Breaker Tripple Pole 100 Ampere CSR Item No.9.8.2 d	Each	4
Total-B.			

Pakistan Railways Composite Schedule of Rates 2021-22	
B Schedule Items (Item No. B-7 to B-14)	Composite

Important Note:

1: In case, bidders do not quote rate of any items, it will be presumed that the bidder has included rate of that items in rate of other items or he intend to extend this item free of cost, and no payment shall be made for such items.

2. Bidders must mention brand name along with Country of origin against each item, otherwise the offer will be considered non-responsive technically.

3. In case of copper cables, only Railway approved brands will be considered as circulated vide CEE letter No. Elect-Step-Pre-qualification-Cables-1029-C dated: 11-09-2024.


 Usaid
 Assistant Electrical Engineer/Post
 Tel. Dept. Pakistan Railways, G.O.
 Office, Lahore

Signature of Contractor :- _____

Office Stamp:- _____

Financial Proposal

**Replacement of Old Conductor and DBs In Finney Wing and Baglay Wing Verandahs
Pakistan Railways Headquarters Office Lahore.**

	Description of work	Unit.	Qty:	Rate/ each. Rs	Total cost. Rs
	SUPPLY AND ERECTION OF MATERIAL .				
	NON SCHEDULE ITEMS.				
1	Distribution Board of 18 SWG M.S Sheet size 18"x16"x6" Gray painted inside and outside Complete fitted with Copper Busbar size 1" width X 1.5 Soot thick and 10" Long =04 Nos. having holes for connections fitted on Insulators with covering M.S sheet fitting and fixing arrangements as per site requirements.	Each	22		
2	Distribution Board of 18 SWG M.S Sheet of size 20" X 24" X 6" Gray painted inside and outside Complete fitted with Incoming Tripple Ploe MCCB 60 Amp=01 Nos, Outgoing Single Pole MCB 10/20Amp =15 Nos, Outgoing Triple Pole MCB 32Amp =02 Nos, Make Schneider or equivalent best quality Indication Lights, volt Meter, Ampere Meter Selector Switches for Volt and Amere Meters, CTs 60/5=03 Nos. Lockedable Door and fixing arrangements as per site requirements of Railway Approved Brand.	Each	5		
3	Distribution Board of 18 SWG M.S Sheet of size 20" X 24" X 6" Gray painted inside and outside Complete fitted with Incoming Tripple Ploe MCCB 100 Amp=01 Nos, Outgoing Single Pole MCB 10/20Amp =20 Nos, Outgoing Tripple Pole MCB 32Amp =02 Nos, Rotary Change over Switch 100 Ampere =01 No. Make Schneider or equivalent best quality Indication Lights, volt Meter, Ampere Meter Selector Switches for Volt and Amere Meters, CTs 60/5=03 Nos. Lockedable Door and fixing arrangements as per site requirements of Railway Approved Brand.	Each	1		
4	Copper Thimbles with Nut and Bolts for 16mm cable as per site requirement	Each	96		
5	Double LED Tube Light Fitting Complete with Rod 18 Watt Make Phillips or equivalent.	Each	28		
6	Cable Tray 16 Guage Size 6"x3" Complete witch Cover fitting and fixing arrangement on wall with angle Iron as per site requirement complete in all respect.	Ft	640		
	Total-A.				

(Signature)
 Assistant Electrical Engineer (Power)
 Pakistan Railways, S.W.D. Qtrs,
 Office, Lahore.

Signature of Contractor :- _____

Office Stamp:- _____

SCHEDULE ITEMS.			
	PVC pipe including inspection boxes, pull boxes, bends, tees, cutting jharries, repairing surface, complete with all accessories for recessed wiring in walls as per site requirements, make: POPULAR or equivalent as approved		
7	Size 1" CSR Item No. 1.3.1 b iii	Mtr	350
	Single core PVC Insulated, PVC sheathed Copper conductor cable 600/1100 volts In Prelaid PVC Pipes, M.S Conduit, G.I pipes, In trenches make: Newage or equivalent quality as approved		
8	size 3/0.74mm (3/0.029"), CSR Item No. 2.1.1 a	Mtr	2300
9	Size 7/0.74mm (7/0.029"), CSR Item No. 2.1.1 c	Mtr	1400
10	Size 7/1.2mm (7/0.044"), CSR Item No. 2.1.1 e	Mtr	1170
	4 Core core PVC Insulated, PVC sheathed Copper conductor cable 600/1100 volts In Prelaid PVC Pipes, M.S Conduit, G.I pipes, In Cable Trays In trenches make: Newage or equivalent quality as approved		
11	size 7/1.63mm (7/0.064"), CSR Item No. 2.2.1 c	Mtr	430
12	Miniature Circuit Breaker Single Pole 10/20 Ampere CSR Item No.9.8.1	Each	224
13	Molded Case Circuit Breaker Tripple Pole 63 Ampere CSR Item No.9.8.2 b	Each	19
14	Molded Case Circuit Breaker Tripple Pole 100 Ampere CSR Item No.9.8.2 d	Each	4
	Total-B.		

Pakistan Railways Composite Schedule of Rates 2021-22		Offered Rates
B Schedule Items (Item No. B-7 to B-14)	Composite	In Figures: _____ In

Important Note:

- 1: In case, bidders do not quote rate of any items, it will be presumed that the bidder has included rate of that items in rate of other items or he intend to extend this item free of cost, and no payment shall be made for such items.
2. Bidders must mention brand name along with Country of origin against each item, otherwise the offer will be considered non-responsive technically.
3. In case of copper cables, only Railway approved brands will be considered as circulated vide CEE letter No. Elect-Step-Pre-qualification-Cables-1029-C dated: 11-09-2024.



Signature of Contractor :- _____

Signature of _____
Pakistan Railways, _____

Office Stamp:- _____

INVITATION TO BID

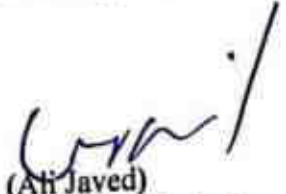
Deputy General Manager, Pakistan Railways Headquarters office Lahore invites sealed bids under Single Stage Single Envelope procedure as per PPRA Rules 36 (a) 2004 from the firms / contractors registered with Income Tax and Sales Tax Departments and who are on the Active Taxpayers List (ATPL) of the Federal Board of Revenue, and registered with Pakistan Engineering Council in relevant financial category having specialized code EE04 with upto date renewal for the following work.

Description	Estimated Cost (Rs.)	Bid Security	Tender Closing Date and Time
Replacement of Old Conductor and DBs in Finney Wing and Baglay Wing Verandahs Pakistan Railways Headquarters Office Lahore.	3.110 Million	Rs: 100,000/-	26-06-2026 11:00 Hrs.

- Bids submitted through E-Pak Acquisition and Disposal System (EPADS) will only be entertained (www.eprocure.gov.pk). Bid security will be submitted before opening of tender physically in the office of Assistant Electrical Engineer, Pakistan Railways Headquarters office, Lahore. Bidders will also upload the complete scanned copy of their bid in EPADS. Bids will be opened on 26-06-2026 at 11:30 hrs. on EPADS.

Note: EPADS Tender No:

- Interested firm can download bidding documents from EPADS portal (www.eprocure.gov.pk).
- Bidders are required to get registered at EPADS, PPRA to access the tender documents and other relevant information.
- Bids prepared in accordance with the instructions contained in the bidding documents must be submitted on EPADS as per the schedule mentioned above.
- Pakistan Railways reserves the right to accept or reject any or all bids as per provision of PPRA rule 33(1).


 (Ali Javed)
 Assistant Electrical Engineer
 for Deputy General Manager
 P.R Headquarters Office, Lahore.
 Ph: +92 42 99202688



SUCCESS!

PKR 15,000.00

4-Mar-2026 12:52:46 PM

Payee Name

PUBLIC PROCUREMENT

Payee IBAN

....0701

Paid From Account Title

NADEEM AWAN

Paid From

6510038922900018

Transaction Reference No.

BPUNPKKA-202623125241-5534



Manage Raast
Payees



Download
Receipt

