

**NAME OF WORK:** - Ratlam Division - IND & DADN Coaching Depot - Comprehensive Annual Maintenance Contract (CAMC) of Traction Transformer Make- M/s JSTI fitted in Rake-08 of Vande Bharat (Train-18), Qty.: 01Rake, Period: 24 Months.

Sr. No.	Description	Qty.	Unit	Rate	TOTAL
	<b>Schedule A- Comprehensive Annual Maintenance Contract (CAMC) for Traction Transformer installed in Train Rake-08</b>				
1	Annual Maintenance Contract for traction transformer installed in Rake-08 (IC 2008) of Vande Bharat (Train-18), Qty.: 01Rake, Period: 24 Months (04 Transformer).	96	Nos.	128235.71	12310628.16
	<b>Schedule B- Mandatory Spares for Rake-08</b>				
1	Preventive Spares for traction transformer (as per Annexure-I).	4	Set	43672.98	174691.92
2	Breakdown Spares for traction transformer (as per Annexure-I).	4	Set	497105.68	1988422.72
	<b>Schedule C- Condition Based Spares for Rake-08</b>				
1	Oil Level Glass Kit (Consist of 02 items)	2	Set	13362.32	26724.64
2	SS Upper grid and Filter mesh assembly for cooling unit radiator (Consist of 11items)	2	Set	92694.90	185389.80
3	SS Lower grid and Filter mesh assembly for cooling unit radiator (Consist of 07items)	2	Set	56807.56	113615.12
4	Auxiliary Junction Box (AJB) kit (Consist of 04 items)	2	Set	127431.74	254863.48
5	Power Junction Box (PJB) kit (Consist of 04items)	2	Set	127431.74	254863.48
6	Drain / Filter valve kit (Consist of 04items)	2	Set	19677.68	39355.36
7	Cooling unit Radiator Valve kit (DN80) (Consist of 06 items)	2	Set	37167.64	74335.28
8	Main Breather Kit (Consist of 06 items)	2	Set	34334.46	68668.92
9	LV bushing kit (Consist of 08 items)	2	Set	25254.36	50508.72

10	LV Box Gasket (Consist of 02 items)	2	Set	22673.70	45347.40
11	HV Bushing kit (Consist of 05 items)	2	Set	66848.18	133696.36
12	Vibration Meter	2	Set	44186.28	88372.56
13	Damper Kit-60 Shore (Consist of 06items)	2	Set	95523.36	191046.72
14	Damper Kit-75 Shore (Consist of 06items)	2	Set	118066.08	236132.16
	<b>TOTAL- One Core Sixty Two Lakh Thirty Six Thousand Six Hundred Sixty Two and Eighty Paisa Only</b>				<b>16236662.80</b>

**NOTE:**

- i) The incomplete and ambiguous offer shall be summarily rejected.
- ii) Any deviation submitted shall not be acceptable.
- iii) The schedule rates mentioned above are inclusive of GST. The offered cost shall be consolidated and inclusive of all taxes, duties, levies freight, incidental charges and inclusive of the cost of spares/components required to carry out the above work.
- iv) The tenderer may satisfy themselves before submission of tender regarding their financial status, previous experience, and ability to execute work including by seeing actual site and locality of the work and all locations liable to be encountered during execution of work.
- v) Tenderers are advised to read all the contents of technical specifications and quote rates accordingly.

**Terms and special conditions**

1. This works contract shall be governed by Indian railway "General conditions of contract-Apr-2022".
2. The Completion period will be 24 months from the date of issue Letter of Acceptance (LOA).
3. **Space for storing materials required for the execution of work may be provided by the Railways, subject to availability. Any development required for storing of T&P items shall be carried out by the contractor at their own cost.**
4. The successful contractor shall make provision of Portable Cabin or any other alternative for his staff for day to day to do works. Railway is not bound to provide additional space for the contractor's staff.
5. **Any deviation or condition submitted shall not be acceptable.**
6. The work shall be supervised by authorized representative of Railway under the control of Sr. DEE/P/RTM.
7. The work shall strictly be done ensuring all type safety norms. The Railway will not be responsible for any accident or injury to any person of the work executing firm for not complying with the safety norms.
8. The contractor shall carry out the electrical work as per IE rules & regulations and specifications. Relevant IS specification wherever applicable shall be followed.
9. The contractor should get their staffs medically examined. The contractor as well as their staffs should have valid I.D.
10. Sufficient trained/experienced and qualified manpower shall be utilized for carrying out the work for best quality and with safety. Work permission to be obtained before commencement of the actual work.
11. The work shall be carried out in accordance with the designated rack placement in sick/ pit/ washing line.
12. Contractor shall take permission from concerned in charge before entry of their staff in relevant Coach. In charge should give power block to contractor for repair/maintenance work, if necessary.
13. If the tenderer/s deliberately give wrong information in his/their tender or create circumstance for the acceptance of his/their tenders the Railway reserves the right to reject such tender at any stage.
14. Railway reserves the right to terminate the contract or levy penalty on contractor in case of repeated irregularities, contravention of contract conditions, misbehavior or disobedience.
15. Tender committee would satisfy themselves about the authenticity of the certificates produced by the tenderer(s) to this effect which may be an attested certificate from the employer/ client, audited balance sheet duly certified by the chartered accountant etc.
16. This tender is being processed on Single tender with OEM or authorized dealer of OEM. Hence No Technical & Financial Eligibility Criteria required.
17. The tenderer should be OEM or authorized dealer of Traction Transformer for Semi High Speed Train Set – Train 18.
18. OEM authentic certificate must be submitted by tenderer. Non submission of authentic certificate by the bidder shall result in summarily rejection of his/their bid.
19. In case of Authorized dealer, specific Authorization letter with validity from the OEM should be submitted along with offer. Non submission of an authorization letter from OEM by the bidder shall result in summarily rejection of his/their bid
20. **Tenderer should submit documentary proof in support of fulfilling the eligibility conditions mentioned above along with tender document. If any or all of the documents required are available in other tender of this office or even otherwise, the**

**same shall not be taken into consideration and such offer shall be treated as incomplete and summarily rejected. No correspondence in this regard shall be entertained from either side except for seeking additional information on already submitted documents, if any or for verifying the documents itself.**

21. **The contractor will deploy a qualified engineer at the site as per the Railway Board's letter no. 2012/CE-I/CT/O/20 dated 10.05.13. The copy is attached with the tender document; the penalty will be levied by Railways as per the terms mentioned in this letter.**
22. If during the course of contract, the administration feels that it is not necessary to continue the contract due to administrative reasons, the contract stands foreclosed with immediate effect without assigning any reasons.
23. The consignee/Executive must ensure adherence of labour laws as per the GCC-April-2022.
24. No free railway passes shall be issued by the Railway to the Contractor or any of his employee / worker.
25. Arrangements for permits or license for materials will not made by the Railway, but assistance will be given whenever possible.
26. The Income tax will be deducted at source as per applicable rules.
27. In case of any disputes arising in the contract, Sr. DEE/P/RTM decision is final and binding.
28. The contractor shall maintain wage register and all other relevant records as per Provisions of Contract Labour (Regulation and Abolition) Act, 1970 with latest amendments as per latest GCC.
29. **Electrical Contractors License: The tendering firm must have valid Electrical Contractors License issued by any State Government in their own name or in the name of the firm. A copy of the license shall be uploaded along with the tender offer failing which the offer shall be summarily rejected. The license must be valid as on the date of opening of the tender. If the Electrical Contractors License has expired as on the date of opening of tender, the license renewal documents must be uploaded along with the copy of the license. The Contractor shall possess valid Electrical Contractor License throughout the currency of the contract and the Consignee shall confirm the same. The contractor shall ensure timely renewal of license.**
30. **Shramik Kalyan Portal:** The contractor has to strictly comply the guidelines for updating of Labour Data in Indian Railways' Shramik Kalyan Portal as advised vide Railway Board letter No. 2018/CE-I/CT-4 dated 17.10.2018. The said Portal can be accessed at the URL: <http://www.shramikkalyan.indianrailways.gov.in/>. **No payment will be made to the Contractor for non-compliance or partial compliance of the same**
31. The offered cost shall be firm & consolidated and, inclusive of all taxes, duties, levies freight, incidental charges and inclusive of GST to carry out the above work.
32. Tenderer should provide the details of Bank A/C in line with RBI guidelines for the same. These details will include Bank Name, Branch Name & Address, Account type, Bank A/c No. and Bank & Branch code as appearing in MICR cheque issued by the bank.
33. The works must be carried out most carefully without any infringement of the Indian Rly Act 'OR' the General and Subsidiary rules in force on Rlys.
34. Before quoting, the tenderers are advised to ascertain the quantum of work involved, if required, site inspection can be done duly informing concerned Railway officials.
35. Site survey shall be carried out by the contractor and Rly. Representative on award of LOA and before starting the work. Targeted Action Plan with material delivery schedule based on above survey shall be prepared by the contractor. One copy of the same shall be submitted to Engineer for monitoring the progress.

36. All the works should be carried out as per the instructions and planning of Railway Engineer at site.
37. All manpower shall be deployed within 15 days from the date of commencement of work.
38. The deployed manpower must remain engaged for a minimum period of six (6) months or more. The competency certificate of any person employed for this work shall not be withdrawn or replaced within this six-month period. In case any employee leaves before completion of six months, the concerned SSE shall not issue or arrange a replacement competency certificate for another person during this period. If any case arise then penalty should be imposed on contractor as per penalty clause.
39. The work should be done as per the latest guideline issued by Railway Board/ RDSO/CAMTECH Maintenance manual.
40. For all types of scheduled maintenance work, no tools or T&P (Tools and Plants) items shall be provided by the Railway. Any tools, equipment, or materials required for the execution of such maintenance work shall be arranged by the contractor at their own cost.
41. Place of work: Schedule maintenance shall be carried out at various Primary Maintenance depots of RTM Division and breakdown maintenance shall be carried out at Primary maintenance depot or secondary maintenance depot or any station/depot enroute or terminating station or any location as decided by SSE/ In charge.
42. All released material shall have to return back to SSE/Store/INDB/DADN or authorized railway employee. If the contractor fails to return the released material no payment shall be made for this item.
43. Contractor shall carry out and record the replacement/ maintenance of all coaches of Train-18 running in primary maintenance trains of RTM Division and breakdown maintenance of other division trains if any. Contractor shall ensure availability of proper data management System (Computers, Printers, and associated accessories) at his own cost through proper infrastructure for keeping proper record of various activities against this contract. The availability of proper equipment at the various coaching depots of RTM Division shall be ensured by the firm.
44. All maintenance records/logbooks must be preserved in both hard copy and digital (PDF/Excel) formats. Monthly backups must be submitted to the SSE In-charge.
45. All material to be used for work shall be duly supported with test/inspection reports shall be deposited with SSE in charge of execution for ensuing quality before fitment. Only after Clearance and satisfaction of quality the material shall be taken to site for erection.
46. The rates quoted by the tenderers and accepted by the Railway administration shall hold good till completion of the work and no additional individual claims will be admissible on account of the fluctuation in market rates, increase in taxes / levies / toll taxes etc.
47. The contractor must provide an escalation matrix with names and contact numbers (24x7) for complaint handling, within 10 days of LOA.
48. Maintenance Interval

Schedule	Periodicity
Daily	Every day
Trip	Every 3 days or 5000Kms(Whichever is earlier)
Monthly	30 Days $\pm$ 2 Days
Quarterly	90 Days $\pm$ 3 Days
Nine Monthly	270 Days $\pm$ 3 Days
Shop Schedule-1(SS-1)	18 Months $\pm$ 5 Days
Shop Schedule-2(SS-2)	36 Months $\pm$ 5 Days

Shop Schedule-3(SS-3)	72 Months $\pm$ 5 Days
-----------------------	------------------------

### **Penalty Clauses in AMC Contracts: -**

#### **Penalty for Delay in Attending the Breakdown Calls:**

Problems reported would be advised to the contractor's representative at the nominated place on contract phone no. (Which contractor shall apprise at the time of award of contract). The contractor will be required to attend such problems/failures within stipulated time starting from time of intimation failing which penalty as described here under shall apply. Any delay by the firm in completing the above activities will affect the running of the train services and may cause loss of revenue to the User Railway. Therefore, the User Railway will recover from the contractor a token sum of Rs.5000/- in each case of delay stipulated in Clause 1 & 2 as under:

1. The service engineer shall report within 3hrs (Three Hrs.) at the designated depots, if the breakdown call is given during the working days of the week after normal working hours.
2. The service engineer shall report within 12hrs (Twelve hrs.) on gazette holidays (Govt. of India) and Sundays from the time of call of breakdown.
3. Penalty for non-maintenance of sufficient spare parts as mentioned shall be imposed at the rate of Rs 1000 per day.
4. Contractor must ensure the availability of sufficient no. of his staff on the rakes till the departure of trains to ensure proper maintenance and to meet any emergent condition on account of failure of train-18 coach, failing which if any defect goes unattended, the contractor shall have to pay penalty of Rs.3000/- per primary Rake maintenance for that trip.
5. If contractor does not provide staff as per CAMTECH yardstick then a penalty of Rs. 500 per staff shortfall.
6. If any staff is found carrying unsafe/illegal materials during the maintenance a penalty of Rs. 10,000/- (Rs. Ten thousand only) per case shall be recovered from the contractor's bill and that particular staff will not be allowed to any work in future in contract period. Also, the staff will be dealt according to Railway laws/IPC in force from time to time.
7. The contractor's staff shall not consume or carry any alcoholic drinks or narcotic drugs on their person or personal implements. If any staff is found drunk or smoking or carrying narcotic drugs or alcoholic drinks a penalty of Rs. 10,000/- (Rs. Ten thousand only) per case shall be recovered from the contractor's bill and that particulars staff will not be allowed for any work in future in contract period. Also, the staff will be dealt according to Railway laws in force from time to time.
8. If any Train 18 Coach is marked defective for three consecutive trips due to any type of failure in Coach's, a penalty of ₹10,000 per Coach per case will be imposed.
9. If firm fails to complete the Special/Seasonal preventive activities related to Coach within a stipulated time period a penalty of Rs. 200 per day per case shall be imposed.
10. Contractor has to ensure that all the staff deputed for maintenance/replacement for any rake should be available in nominated rake during the entire maintenance period. In case the staff absent from the duty before completion of the maintenance period, the penalty of Rs.500/- per staff per trip shall be recovered from the Contractor's bills.
11. A log book will be maintained jointly i.e. in between Railway's representatives and contractor's representative for the contractor's staff deputed for maintenance covered under this contract. The log book will be signed daily by both the representatives verified by On Duty SSE. Firm's Rack in charge Failure to maintain the log book will attract a penalty of ₹1000/-(One thousand).

12. In case, if the contractor's staff is found without uniform or identity card or name badges, a token sum of penalty of Rs 500/- (Rs Five hundred only) whichever is higher per defaulting staff shall be recovered from the contractor's bill.
13. Poor documentation/record keeping will attract a penalty Rs 10000/- per incident.
14. If the contractor deploys new staff in place of any existing personnel before completion of six (6) months of service, a penalty of ₹1500 per staff shall be imposed on the contractor.
15. A penalty of Rs 500 per staff will be levied per occasion in case of Contractor staff and supervisors found not wearing Identity card, uniform, Personal Protection Equipment (PPE) such as Shoes, Gloves, and Helmet etc. while carrying out maintenance activities.

Sl. No.	Item	Quantity
1	Screw Driver 250mm	1
2	Screw Driver 200mmx9mm blade	1
3	Screw Driver 300mmx9mm blade	1
4	Double end Spanner set of 12 pieces (6mm to 32mm)	1
5	Double end Spanner set of 14 pieces (3/8 inch to 1 1/4 inch)	1
6	Ring spanner set of 12 pieces (6mm to 32mm)	1
7	T-spanner set (8mm to 19mm)	1
8	Adjustable screw spanner up to 26mm wide open jaw	1
9	Side Cutting Plier 15cm	1
10	Wire insulation stripper (0.4mm to 4mm)	1
11	Allen key set of 12 pieces (2mm to 14mm)	1
12	Digital clamp meter with voltage range 1000VAC/DC, 400amp AC/DC, frequency, continuity, diode, resistance, capacitance, inductance	1
13	Hydrometer	1
14	Safety Shoes	1
15	Safety helmet	1
16	Safety jacket	1
17	All personal protective equipment	1

## 1. PAYMENTS

- On account payment shall be made on actual execution of the work done by the contractor satisfactorily and proposed by the concerned SSE as per Railways terms and conditions of payment.
  - Payment shall be subject to any deductions of any amount for which the contractor is liable under the contract against this tender including penalty as specified in penalty clause.
  - The contractor is liable to follow all legal and statutory provisions whatsoever as applicable to this contract & in no way the railway shall be liable if any provision is not observed by the contractor.
  - The firm is supposed to claim the on-account bills on Monthly/Quarterly basis.
  - No advance payments will be made to the contractor.
2. The contractor shall be liable to honor the central and Govt. Laws, statutory rules, regulations notifications like legislation, local self -government Municipal requirement etc. and shall be responsible for any breach thereof. Railway stands indemnified against any penalty / prosecutions consequent to the violations (deliberate or inadvertent) by the contractor or his employees, representative, etc. of such statutory provisions in force.
  3. Every effort has been made by the Railways to cover all the requirements for executing the work. These items might have either been covered explicitly or implicitly in the specification, scope of work and other tender schedules, the tenderer shall however, provide free of cost all such minor items that may be required for proper execution and performance of the services carried out by them whether they are mentioned explicitly or implicitly in the specification or not. No extra claim whatsoever will be entertained by the Railways for such items provided by the contractor for proper execution or for ensuring satisfactory performance of the services provided by them under this contract. The tenderer shall not take advantage of any error due to typing or otherwise, if there is any doubt, that shall be brought to notice of Sr. DEE/P/RTM without delay and same shall be dealt as per Railway's requirement only and to Railway's advantage only.
  4. Contractor shall follow the guidelines regarding application of policies/Laws related to "contract labour".
    1. Social security covers under ESI Act, PF Act are to be followed.
    2. Issue of ID cards.
    3. Minimum Wages Act.
    4. Payments of Wages Act.
    5. Apprentice Act.
    6. Provisions of contract labour (Regulation and abolition) Act.
    7. Reporting of accident to labour commissioner.
    8. Provision of workmen compensations Act.
    9. Railway not to provide quarters to contractors.
    10. Compliance of rules for employment of labour.
    11. Non employment of female labour in cantonment areas.
    12. Non employment of labour below the age of 15.
    13. Medical fitness as per Rule.

**Guarantee: -**

The guarantee period for the items supplied by the Contractor during the period of contract, as follows

1. "New items & Recondition items, guarantee/warranty will be 12 months from date of commissioning of item/equipment"



2. if for any item guarantee period is more than the above said period, as per specification for that item, the guarantee period laid down for such item will holds good.

## **SCOPE OF WORK**

**Name of Work:** - Ratlam Division - IND & DADN Coaching Depot - Comprehensive Annual Maintenance Contract (CAMC) of Traction Transformer Make- M/s JSTI fitted in Rake-08 of Vande Bharat (Train-18), Qty.: 01Rake, Period: 24 Months.

### **Responsibility of Contractor**

1. Contractor will issue necessary identity cards countersigned by the Railway Engineers (even if temporary) to the working staff/service engineer of the contractor for their entry in Yard/Railway premises. However, this identity card is not a travel authority. The contractor shall print PVC identity card after approval from Railway.
2. The contractor should submit the following documents to the Railway supervisor in-charge, pertaining to the staff before commencement of the contract and within 15 days from the date of L.O.A. He also should ensure for the changed employees during the currency of the contract. Railway supervisor should produce as and when demanded by the officer in-charge for verification. Documents list:
  - (a) Full names of the staff
  - (b) Pass port size of Photograph
  - (c) Permanent & Temporary Residential address with telephone No. if any,
  - (d) Copies of educational qualifications duly self-attested,
  - (e) Copies of certificates of age, experience,
  - (f) Fitness certificates issued by Govt., Civil Hospital,
  - (g) Police verification certificates for each employee who are proposed to be engaged.
  - (h) Staff must be trained in case of fire and fully knowledge about firefighting Equipment working. Fire-fighting certificate should be provided by contractor for engage staff.
3. The Service Engineer nominated for repair and maintenance duties shall strictly observe all safety and security rules applicable at the work site. A minimum of two (2) years' experience certificate for the nominated personnel shall be submitted to the Railways for verification and record.
4. The contractor shall depute skilled manpower with technical expertise & certified experts in the field of maintenance of train-18 coach and having competency for working up to 750-volt levels and accessories installed in train-18 coach. Competency certificate of manpower engage by contractor for this work shall issue by contractor for working on voltages above 750 Volts. Also, documentary proof has to be submitted with minimum one year maintenance experience before commencement of work. But finally Competency will be issued by railway if found suitable for this work as per Sr. no 05 given below as.
5. Training & competency certificate: Before commencement of contract, the contractor shall ensure 2 weeks training to his staff. The module of the training should have the approval of concerned ADEE/IND / Sr. DEE/P/RTM. The Railway Engineer (SSE/In charge) will check the competency of each staff and only those people who are found suitable will be permitted to carry out duties. Then competency certificate will be issued by concerned ADEE/IND / Sr. DEE/P/RTM. It must be ensured that no new face will be deployed by the contractor without proper training. Training record of their staff will be maintained by the contractor. The record of the training shall also be kept with SSE/In charge of primary maintenance depot. Before deployment of staff to duty, Fire safety training shall be provided to staff.
6. Contractor shall submit field service report after every activity which would be jointly signed by Contractor and Railway representatives.

7. Any damage to railway material due to careless/poor workmanship while execution of respective schedule work. The amount equal to damage of material shall be recovered from contractor's bill as per latest PO/ latest LAR rate of said material.
8. Railway administration will not take any responsibility to pay compensation towards loss of material and personal injuries to contractor's staff.
9. The nominated supervisors/ officer in charge Railway shall intimate the Contractor by Telephone/Telex/Fax or in person mentioning the coach numbers and location of the coaches along with the time of call for any breakdown maintenance. He shall maintain the register of such calls made for reference of both the parties.
10. The contractor staff working with this contract should be covered under group insurance scheme/ESIC. It is sole responsibility of the contractor to observe and abide by the factory Act, provision of Labour Act, workmen compensation Act, provident fund Act, Minimum wages Act. Payment of wages Act, contribution towards EPF & other regulations framed by the Government and revised time to time. Railway will not be responsible for any violation of the act of regulation by the contractor.
11. The contractor shall be liable for the safety of his workmen during the course of contract. It is made clear that no claim/ compensation would be entertained for any type of accident/incident involving his labour.
12. Engagement of local labour: As far as possible, local labour to be employed for skilled and semi-skilled etc. according to latest guideline issued.

### **Responsibility of Railways**

1. Release train-18 coach on time for carrying out replacement/maintenance work.
2. Signing of service reports by railway authorized representative immediately after completion of service.
3. Work at night: - Trains are maintained also in night and hence staff to be trained or depute accordingly.
4. Railway nominated supervisor & contractor shall ensure the schedule of maintenance and keep the record, date of installation/commissioning of equipment whenever replaced shall be done without fail and properly accounting the released material thereon.
5. Ensure Qualification of contractual staff deployed for maintenance.
  - For Supervisor: - Degree/Diploma with experience in relevant field.
  - For Technician: - Minimum qualification is SSC with ITI certificate in Diesel Mechanic/Electrician/Air Conditioning & refrigeration to be employed.
  - Age not less than 18 years and, not greater than 50 years
  - Healthy, no handicap, no deformity whatsoever with normal Eyesight. No BP/Diabetic etc. or disabling diseases controllable by drugs.
  - Should be fully vaccinated with Covid Vaccines approved by GOI.
  - Police verification of all the employees which are issued by state govt. police.
  - Certificate for technical competency for Repair and maintenance work, 750V or above.
6. Ensure, Deployment of Manpower: -Minimum one Degree/Diploma holder supervisor (having knowledge of relevant field, Switch board cabinet & accessories installed) should report daily to SSE/AC/TL/INDB and DADN Coaching depot in-charge and take necessary instructions for planning of works. On the days when any scheduled maintenance /Repair work is to be carried sufficient no of technicians to be deployed.
7. SSE/ACTL/IND/DADN shall inform to the firm only after availability of coach, which is to be maintained.

### **TECHNICAL SPECIFICATION**

1. The scope of work in this tender includes carrying out Comprehensive annual maintenance contract of the Traction Transformer. The work shall include changing all 'must change/compulsory change' items during the AMC and schedule as well as items that need change based upon condition.
2. A tentative list of must change and condition based items has been prepared and placed below. Payment shall be based upon the items changed/ used during schedule. The condition based items may be supplied as and when needed. Items with limited shelf life may be supplied in a regulated manner.
3. Comprehensive Annual Maintenance Contract covers all schedules as defined in CAMTECH Maintenance Manual No.: IRCAMTECH/GWL/2020-21/T-18/MM/1.0 & as per OEM Manual, during the period of CAMC viz. Trip, Monthly, Quarterly, 09Monthly Schedule.
4. All maintenance work should be carrying out as per CAMTECH Maintenance Manual No.: IRCAMTECH/GWL/2020-21/T-18/MM/1.0 & as per the OEM Manual. The tenderer shall submit a detailed schedule of work to be carried out on the Traction Transformer duly getting the preformas verified by user railway.
5. The maintenance work may be carried out at Western Railway, Ratlam division, IND and DADN Coaching Depot Rake-8 of Train-18.
6. In the event of transformer replacement, the tenderer shall be fully responsible for carrying out the complete replacement work, including all associated connections.
7. The tenderer should also accept additional work responsibilities based on the special drives (winter drive, summer drive, Monsoon drive etc.) as and when given by the user Railways.
8. The User Railway shall be notified through a written memo regarding any work being carried out on the rake, including scheduled items. Any additional work on the rake shall be done only after the written permission from the user railways.
9. The tenderer shall keep sufficient no. of spares so as to meet any exigencies during execution of their work at user railways.
10. The contractor shall be liable for the safety of his workmen during the course of the contract; it is made clear that no claim/compensation would be entertained for any type of accidents/incidents involving his labour. Any compensation, however as required under law would be payable by the contractor.
11. All spares have to be supplied by the contractor as per CAMTECH Maintenance Manual No.: IRCAMTECH/GWL/2020-21/T-18/MM/1.0 & as per the OEM Manual.
12. Remove any earth leakage, e.g. 110V DC or 415V AC during trip maintenance work and no extra payment shall be made for this.

13. The successful contractor or their representative shall come to Coaching depot for maintenance of train-18 after getting the information from SSE/AC/TL/IND/DADN by suitable mode of communication i.e. telephonically/ SMS/ letter/ WhatsApp. The firm's staff must be available at the time of rake placement to receive the message/ call/ letter.
14. The successful contractor shall carry out activities related to the maintenance of train-18 coaches. A joint inspection shall be conducted in consultation with SSE/AC/TL/IND/DADN or their authorized representative and the contractor's representative, and a joint inspection report shall be prepared. Payment shall be made based on the findings of this report.
15. The contractor shall supply the material within the working hours i.e., 08:00 hrs to 18:00 hrs. If extreme urgency AEE/INDB or any other competent authority may allow to supply the equipment after 18:00 hrs or even on holidays.
16. The repairing work shall be carried out at railway premises. Only in the case if equipment cannot be repaired at railway premises then it can be allowed to repair outside the railway premises only after complete necessary documentation. No TO & FRO transportation charges shall be paid to the contractor for transporting equipment.
17. To and fro transportation, loading and unloading of T&Ps and material from the firm's works place to Railway site shall be arranged by the contractor. Also, the transportation of material from railway store to pit line/ sick line and transportation of release material from pit line/ sick line to store shall be in contractor's scope.
18. The chemical to be used for cleaning of condenser and cooling coils shall be as approved by M&C Directorate of RDSO in consultation with Railways for cleaning of copper tubes and copper/Aluminium fins and it shall be provided by contractor after approval from consignee. Refrigerant gases and chemical cleaning agents used shall comply with MoEF & RDSO environmental norms. Used gases shall not be released into atmosphere
19. The contractor shall take proper permit to work for their employee who will be deputed on coach. The nominated employee by the contractor shall have identity card (with designation age etc) otherwise they will be not allowed to work on the coach.
20. All released material shall have to return back to SSE/Store/INDB/DADN or authorised railway employee. If the contractor fails to return the released material no payment shall be made for this item.
21. Any work not specifically mentioned in the scope of work but is required to be carried out for the satisfactory completion of the work shall be deemed to be include in the scope of work.

Mandatory Spares for Rake-08 :-				Preventive Spare		Annexure-I
Sr. No	Kit name	Description of Part name	Article No	Qty. Per set	UOM	
1	Earthing Braid kit	Copper earthing braid 50 sq mm length 250	1061628R250	1	Nos	
		Nut H, M8, (A4) DIN 934	1055889R000	2	Nos	
		Conical Washer CS8 (Ø8.2/Ø18/1.4)	R150600	2	Nos	
		Washer L8 A4	1054849R000	2	Nos	
2	Ester Oil	Synthetic ester oil	1069836R000	10	Ltrs.	
3	Silica gel	Silica gel (Loose) Ø 2-5 mm	10441	1	Kg	
Breakdown Spares						
Sr. No	Kit Name	Description of Part name	Article No	Qty. Per set	UOM	
1	Pump Kit	Oil Pump	1075479R000	1	Nos	
		O-ring 5.33 int 104.14	1075890R000	3	Nos	
		Screw HM16-60 (A4-80)	1056039R000	8	Nos	
		Nut H M16 A4-80	1002035R000	8	Nos	
		Washer M16 A4	1044331R000	16	Nos	
		4 Core Cable 2.5mmsq for pump	1070521R000	3.71	Meter	
		Sleeve for wire		0.36	Meter	
		Identification ferrule for connection wires		8	Nos	
		Identification label "Pump" for conduit		2	Nos	
		Cable tie for identification label (80mm)	10599	4	Nos	
		Cable tie for conduit fixing, (188 mm)	10377	21	Nos	
		Conduit (NW17)	PAFR-17	3.2	Meter	
		Cable Gland (M20x1.5)	SQFR-M20B17	2	Nos	
		Ring Type Lugs Size-2.5sqmm M6Ring Type Lugs Size-2.5sqmm M6		4	Nos	

		Pin Type Lugs Size-2.5 sqmm		4	Nos
2	Oil Flow indicator kit	OFI	1068817R000	1	Nos
		Screw HM12-60 A4-80	1056029R000	4	Nos
		Washer M12 A4	1044330R000	8	Nos
		Nut HM12 A4-80	E032405	4	Nos
		Oring gasket 3.53 int 53.57	1075891R000	1	Nos
		Protecting Cover	1075585R000	1	Nos
		Conduit (NW12)	PAFR-12B	0.77	Meter
		2 Core Cable 1mmsq	1070520R000	1.39	Meter
		Cable Gland (M20x1.5)	SQFR-M20B12	2	Pcs
		Identification ferrule for connection wires		4	Nos
		Identification label "OFI" for conduit		2	Nos
		Cable tie for identification label (80mm)	10599	4	Nos
		Cable tie for conduit fixing, (300 mm)	10377	4	Nos
		Ring Type Lugs Size-1sqmm		2	Nos
		Pin Type Lugs Size-1sqmm		2	Nos
3	Oil level Switch kit	Oil level switch	1075758R000	1	Nos
		2 Core Cable 1mmsq	1070520R000	3.62	Meter
		Conduit (NW12)	PAFR-12B	3.12	Meter
		Screw HM8-16 A4-8-	1074465R000	4	Nos
		Washer M8 A4	1044328R000	8	Nos
		O ring gasket 3.53 int 44.04	1075892R000	1	Nos
		Cable Gland (M20x1.5)	SQFR-M20B12	2	Nos
		Identification ferrule for connection wires		4	Nos
		Identification label respective CLD for conduit		2	Nos

		Cable tie for identification label (80mm)	10599	4	Nos
		Cable tie for conduit fixing, (188 mm)	10377	16	Nos
		Cable tie for conduit fixing, (300 mm)	10377	6	Nos
		Pin Type Lugs Size-1sqmm		4	Nos
4	PT100	PT100 sensor	1075428R000	1	Pcs
		2 core Cable .5mmsq	1075428R000	3.11	Meter
		Conduit (NW12)	PAFR-12B	2.7	Meter
		Cable Gland (M20x1.5)	SQFR-M20B12	2	Nos
		Identification ferrule for connection wires	10768	4	Nos
		Identification label respective PT100 for conduit	10572	2	Nos
		Cable tie for identification label (80mm)	10599	4	Nos
		Cable tie for conduit fixing, (188 mm)	10377	13	Nos
		Cable tie for conduit fixing, (300 mm)	10377	6	Nos
		Pin Type Lugs Size-.5sqmm	10520	4	Nos
5	Pressure Relief device Kit	Pressure relief device	1068210R000	1	Nos
		Conduit (NW12)	PAFR-12B	2.7	
		2 Core Cable 1mmsq	A1070520R000	2.1	
		Cable Gland (M20x1.5)	SQFR-M20B12	2	Nos
		Screw HM16-60 A4-80	1056039R000	4	Nos
		Washer M16 A4	1044331R000	4	Nos
		O-ring gasket 5.33 int 87.34	1075894R000	1	Nos
		Identification ferrule for connection wires	10562	4	Nos
		Identification label "PRD" for conduit	10567	2	Nos
		Cable tie for identification label (80mm)	10599	4	Nos



		Cable tie for conduit fixing, (188 mm)	10377	2	Nos
		Cable tie for conduit fixing, (300 mm)	10377	6	Nos
		Pin Type Lugs Size-1sqmm	10521	4	Nos
6	Motor Kit	Blower Motor	10442	1	Nos
		7 Core Cable 2.5mmsq	1070522R000	2.04	Meter
		Conduit (NW17)	PAFR-17B	1.47	Meter
		Cable Gland (PG16)	SQFR-P16B17	2	Pcs
		Ring Type Lugs Size-2.5sqmm M5		7	Pcs
		Sleeve for wire		0.7	Meter
		Identification ferrule for connection wires		14	Nos
		Identification label "FM1" for conduit		2	Nos
		Cable tie for identification label (80mm)	10377	2	Nos
		Cable tie for conduit fixing, (188 mm)	10377	8	Nos
		Pin Type Lugs Size-2.5 sq mm		7	Pcs
7	LV Box Breather	Air dryer-small	1068208R000	1	Nos

Condition Based Spares					
Sr. No	Kit name	Description of Part name	Article No	Qty. Per set	UOM
1	Oil Level Glass Kit	Oil level Indicator (Glass Tube)	1075427R000	1	Nos
		visual Oil level (Acrylic glass)	1075587R000	1	Nos
2	SS Upper grid and Filter mesh	Upper Grid radiator	1075605R000	2	Nos
		Screw HM8-30 A4-80	1055013R000	6	Nos
		Washer LE8 A4	1057192R000	12	Nos

	assembly for cooling unit radiator	Nut Nylon H, M8 A4-80	1070562R000	6	Nos
		Screw HM6-20 A4-80	1063225R000	12	Nos
		Washer M6 A4	1044327R000	24	Nos
		Nut Nylon H M6 A4-80	1070561R000	12	Nos
		Sheet metal edge protect. Seal (Gasket)	1075611R000	1.45	Meter
		Top Grid support	1075610R000	1	Nos
		Screw HM8-30 A4-80	1056013R000	8	Nos
		Washer LE8-A4	1057192R000	8	Nos
3	SS Lower grid and Filter mesh assembly for cooling unit radiator	Lower Grid radiator	1075606R000	1	Nos
		Screw HM6-30 A4-70	1044280R000	16	Nos
		Washer M6 A4	1044327R000	32	Nos
		Nut Nylon H M6 A4-80	1070561R000	16	Nos
		Sheet metal edge protect. Seal (Gasket)	1075611R000	1.45	Meter
		Screw HM8-25 A4-80	1056012R000	4	Nos
		Washer LE8-A4	1057192R000	4	Nos
4	Auxiliary Junction Box (AJB) kit	Auxiliary Junction Box (AJB)	1075829	1	Nos
		Bolt M6x35 mm	10170	4	Nos
		Nut M6	1070561R000	4	Nos
		Washer M6	1057287R000	4	Nos
5	Power Junction Box (PJB) kit	Power Junction Box (PJB)	1075829	1	Nos
		Bolt M6x35 mm	10170	4	Nos
		Nut M6	1070561R000	4	Nos
		Washer M6	1057287R000	4	Nos
6	Drain / Filter valve kit	Valve	1075613R000	1	Nos
		Screw HM10-30 A4-80	1070568R000	4	Nos
		Washer M10 A4	1044329R000	4	Nos
		Oring Gasket 3.53 int 53.57	1075891R000	1	Nos

7	Cooling unit Radiator Valve kit (DN80)	Valve baroda DN80	1075612R000	1	Nos
		Screw HM16-45 A4-80	1056036R000	4	Nos
		Screw HM16-55 A4-80 NFE25114	1056038R000	4	Nos
		Nut H, M16 A4-80	1002035R000	8	Nos
		Washer M16 A4	1044331R000	8	Nos
		O ring gasket Ø5.33 int 104.14	1075890R000	2	Nos
8	Main Breather Kit	Air dryer-Big	1066209R000	1	Nos
		O Ring gasket Ø5.33 int 66.04	1075895R000	1	Nos
		Screw HM 12-60 A4-80	1056029R000	4	Nos
		Washer LE12 A4	1051768R000	4	Nos
		Washer LE12 A4	1044330R000	4	Nos
		Nut H ØM12 A4-80	E032405	4	Nos
9	LV bushing kit	Porcelain Top part + external Brass parts for	1075499R000	1	Nos
		Shape gasket (Ø 45 /30 thick16)	1075801R000	1	Nos
		Flat gasket (Ø 62 /32 thick 3)	1075802R000	1	Nos
		Flat gasket (Ø 90 /56 thick 4)	1075803R000	2	Nos
		Flat gasket (Ø 70 /45 thick 3)	1075804R000	1	Nos
		SS Bolt, M10 x 40 mm		2	Nos
		SP WASHER M10		2	Nos
		Washer M10A4		2	Nos
10	LV Box Gasket	O ring gasket Ø6.99 int 638.19	1075896R000	1	Nos
		Oring gasket Dia 6.99 int 712.03	1075897R000	1	Nos
11	HV Bushing kit	Pluggable bushing 36kv	1067989R000	1	Nos
		Nut nylon H,A10 A4	1067989R000	6	Nos
		Washer M10 A4	1044329R000	6	Nos
		Assy set for pluggable bushing	1031312R000	1	Nos
		Assy set for pluggable bushing	1075893R000	1	Nos
12	Vibration	Metravi 908		1	Nos

	Meter				
13	Damper Kit - 60 Shore	Damper (Soft 60 Shore)	1075616R000	1	Nos
		Screw H, M20-150 A4-80	1075782R000	1	Nos
		Nut nylon H, M20 A4-80	1075783R000	1	Nos
		Washer LE20 A4	1072695R000	2	Nos
		Compensation damper support (plate)	1075576R000	1	Nos
		Washer for damping	1075578R000	8	Nos
14	Damper Kit - 75 Shore	Damper (Soft 75 Shore)	1075616R000	2	Nos
		Screw H, M20-150 A4-80	1075782R000	2	Nos
		Nut nylon H, M20 A4-80	1075783R000	2	Nos
		Washer LE20 A4	1072695R000	4	Nos
		Compensation damper support (plate)	A1075575R000	1	Nos
		Compensation damper support (plate)	1075578R000	2	Nos



भारत सरकार Government of India  
रेल मंत्रालय Ministry of Railways  
(रेलवे बोर्ड) (Railway Board)

No. 2012/CE-I/CT/O/20

New Delhi, Dated 10.05.2013

Addressed to :  
As per list attached.

**Sub :** Modification of Clause 26 and introduction of New Clause 26A to IR's General Conditions of Contract (GCC) on the subjects of 'Provision of efficient and competent staff at work sites by the contractor' & 'Deployment of qualified Engineers at work sites by the contractor' and related instructions.

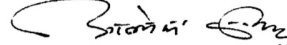
**Ref :** (i) Railway Board's letter no. 81/W1/CT/16 dated 18.03.1983  
(ii) Railway Board's letter no. 2007/CE-I/CT/18 dated 30.06.2009

1. Clause 26 to IR's General Conditions of Contract deals with the provision of "Efficient and competent staff at work sites by the contractor". Railway Board have reviewed the clause and other instructions on the subject of deployment of qualified engineers at work sites by the contractors, as issued vide Railway Board's letter no. 81/W1/CT/16, dated 18.03.83 and no. 2007/CE-I/CT/18, dated 30.06.09.
2. Since long period has passed when the existing limits of penalty for non-deployment of engineers were prescribed, Railway Board, after review and examination of the matter, have approved revised instructions as under in continuation to and in reference to Clause 26 to GCC. Accordingly, it has been decided to re-word Clause 26 on the subject of 'Provision of efficient and competent staff at work sites by the Contractor' and to incorporate new Clause 26A on the subject of 'Deployment of Qualified Engineers at work sites by the Contractor' in IR's GCC, as detailed in Annexure-A.
3. In terms of provisions of new Clause 26A.1 to the General Conditions of Contract (GCC), contractor shall also employ following Qualified Engineers during execution of the allotted work :
  - (a) One Qualified Graduate Engineer when cost of work to be executed is Rs. 200 lakh and above, and
  - (b) One Qualified Diploma Holder Engineer when cost of work to be executed is more than Rs. 25 lakh, but less than Rs. 200 lakh.

4. Further, in case the contractor fails to employ the Qualified Engineer, as aforesaid in Para 3 above, he, in terms of provisions of Clause 26A.2 to the General Conditions of Contract, shall be liable to pay an amount of Rs. 40,000 and Rs. 25,000 for each month or part thereof for the default period for the provisions, as contained in Para 3(a) and 3(b) above respectively.
5. Provision for deployment of Qualified Engineers (Graduate Engineer or Diploma Holder Engineer) shall be for the values as prescribed above. However, for the works contract tenders, if it is considered appropriate by the tender inviting authority, not to have the services of qualified engineer, the same shall be so mentioned in the tender documents by the concerned Executive with the approval of Officer not below the level of SAG Officer, for reasons to be recorded in writing.
6. This issues with the concurrence of the Finance Directorate of the Ministry of Railways.

Please acknowledge receipt.

संलग्नक / उपरोक्तानुसार

  
(अलोक कुमार)  
10.05.13

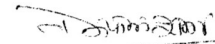
कार्यकारी निदेशक/सिविल इंजीनियरिंग(जी)/रेलवे बोर्ड

No. 2012/CE-I/CT/O/20

New Delhi, Dated 10.05.2013

Copy forwarded for information to :

1. The FA&CAOs, All Indian Railways.
2. The Deputy Comptroller & Audit General of India (Railways), Room No. 224, Rail Bhawan, New Delhi (with 46 copies).



For Financial Commissioner/Railways

LIST "A"

1. General Managers, All Indian Railways & Production Units.
- 1a. General Manager (Con), N.F. Railway, Guwahati.
2. Principal Chief Engineers, All Indian Railways.
3. Chief Administrative Officers (Con), All Indian Railways. (Except N.F. Railway)
4. Chief Vigilance Officers, All Indian Railways.

Copy to:

(A)

1. CAO/CAO(R), COFMOW, Tilak Bridge, New Delhi-110002.
2. CAO/CAO(R), Diesel Locomotive Works, Patiala (Punjab).
3. CAO, Rail Coach Factory/Rae Bareilly Project, Kishanganj, Delhi- 7

(B)

1. Director General, RDSO, Manak Nagar, Lucknow-226011.
2. Principal, Railway Staff College, Vadodra-390004
3. Chief Commissioner of Railway Safety, Ashoka Road, Lucknow-226001.

(C)

1. Director, IRIGEN, Rail Path, Pune. Pin-411001 (Maharashtra).
2. Director, IRIEEN, P.B.No.-233, Nasik Road-422101 (Maharashtra).
3. Director, IRISSET, Taa Naka Road, Lalla Guda, Secunderabad-500017
4. Director, IRIMEE, Jamalpur Distt., Jamalpur - 811214. (Bihar)
5. Director, IRITM, Saraswati Residential Estate, IRITM Campus, Manak Nagar Lucknow.

(D)

1. MD, DMRC, Metro Bhawan, 13, Fire Bridge Lane, Barakhamba Road, New Delhi-110 001,
2. MD, CONCOR, Concor Bhawan, C-3, Mathura Road, Opp. Apollo Hospital, New Delhi- 110076.
3. IRCON International Limited, C-4, District Centre, Saket, New Delhi- 110017
4. MD, RITES Ltd., RITES Bhawan, Plot No.1, Sector-29, Gurgaon, Haryana-122001
5. MD, RVNL, August Kranti Bhawan, Plot No.25, 1<sup>st</sup> Floor, Bhikaji Cama Place, New Delhi-110066
6. MD, MRVC Ltd., Churchgate Station Bldg, Mumbai- 400020
7. MD, KONKAN Railway Corporation Ltd, Rail Bhawan, New Delhi-110001.
8. MD, DFCCIL, 5<sup>th</sup> Floor, Pragati Maidan Metro Station Building Complex, New Delhi-110001
9. MD, RLDA, Near Safdarjung Railway Station, Moti Bagh, Phase-I, New Delhi- 110021
10. RCF, Rae Bareilly, Kishan Ganj, Delhi.
11. CME, IROFAP, 12<sup>th</sup> Floor, Core-1, Scope Minar, Distt. Centre, Laxmi Nagar, Delhi- 110092
12. CAO, Indian Railways (Workshop Projects), Chamber Bhawan, Judge's Court Road, Anta Ghat, Patna-800001, Bihar.

(E)

1. General Secretary, IRCA, DRM Office, New Delhi.
2. General Secretary, AIRF, Rail Bhawan, New Delhi.
3. General Secretary, NFIR, Rail Bhawan, New Delhi.
4. General Secretary, IROF, Rail Bhawan, New Delhi.
5. General Secretary, FROA, Rail Bhawan, New Delhi.
6. General Secretary, AIRPA, Rail Bhawan, New Delhi.
7. General Secretary, AISC&STREA, Room no. 7, Rail Bhawan, New Delhi.
8. The Secretary, RBSS, Group (A) Officers Association, Rail Bhawan.
9. The Secretary, RBSS, Group (B) Officers Association, Rail Bhawan.
10. The Secretary, RBMSA, Rail Bhawan.
11. The Secretary, Railway Board, Group (D) Employees Association, Rail Bhawan.

Copy to:

CRB, FC, ME, ML, MS, MM, MT, Secy., AM(CE), AM(WORKS), AM(PLG.), AM(STAFF), AM(Mech.), AM(Elec.), AM(PU), AM(Tele), AM(Sig.), AM(Traffic), AM(F), AM(B), Adv.(Projects), Adv.(L&A), Adv.(Vig.), Adv.(Rates), AM(Stores), AM(IT), AM(T&C), AM(Comm.) DG(RHS), DG(RPF), EDTK(M), EDTK(MC), EDTK(P), EDW(Plg.), EDME(Track), EDCE(B&S), EDCE(RC&F), EDF(X)-I, EDF(X)II, DF(X)-II, ED(W), EDCE(P), ED(PROJECT), ED(L&A)-I, ED(L&A)-II, EDVE, ED(DM, Ed(Safety)), ED(Sig.), ED(Tele), EDRS(G), ED(E&R)EDEE(Dev.), EDEE(G), EDEE(RS), EDRE(P), EDRE(S&T), EDE, EDE(N), EDE(Res.), EDFE, EDPC, ED(Accounts), ED(T&MPP), EDE(GC), EDME(CHG), EDME(F), EDME(Dev.), EDME(W), ED(Plg.), ED(CHG), EDRS(P), EDRS(S), EDF(S), ED(FC), EDPM, EDPG, EDTC(R), EDTT(F), EDTT(M), EDTT(S), EDV(S), EDV(T), DCE(B&S), DCE(P), Dir(L&A), JS(Conf.), JS(G), JS(P), LA, Eco.(Adv.) F(X)I, II, Vig.III, Vig.(Conf.), L&A, Track I & II, Telecom, Signal, RS(G), & Electrical Branches of Rly. Board.

## PARTY DETAILS FOR BILLS RECOVERABLES/SERVICES PROVIDED

### 1. PARTICULARS FOR GST & INCOME TAX.

i) Name of Party (Service Recipients):

ii) GSTIN:

(Please enclosed a hard copy of state wise / business wise GSTIN registration number)

iii) Description of Service

iv) Nature of Business: ANCILLARY SERVICE

v) HSN/ASC code:

vi) PAN No. (Please enclosed copy of PAN Card)

### 2. COMMUNICATION ADDRESS (Place of Business)

i) ADDRESS:

ii) DISTRICT:

iii) STATE: PIN:

iv) PHONE NO.: MOBILE FAX NO.

v) EMAIL-ID

### 3. BANK DETAILS OF PARTY

i) BANK NAME:

ii) BRANCH:

iii) BANK ADDRESS:

iv) BANK IFS code:

v) BANK ACCOUNT NO.:

**(Please enclose a cancelled blank cheque)**

vi) ACCOUNT TYPE: SAVINGS/CURRENT/CASH CREDIT)

### 4. DECLARATION BY THE PARTY

i. I hereby declare that the particulars given in this mandate form are correct and complete. If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information, the User institution i.e. Western Railway will not be held responsible.

Date :

**Signature of the party with Stamp**