

**BHARAT HEAVY ELECTRICALS LIMITED**

BOILER AUXILIARIES PLANT

RANIPET - 632406

**ESTIMATE**

ESTIMATE REF NO : CF/RB/09/51

NAME OF WORK : MAINTENANCE OF BHEL BROAD GAUGE &amp; GANTRY TRACKS FOR TWO YEARS IN FACTORY.

CPWD 2007 REF	SLNO	DESCRIPTION	QTY	UNIT	RATE RS P	AMOUNT RS P
DATA	01	Maintenance of BHEL broad gauge tracks of BHEL siding in factory. The work shall be executed as described in the nature of work. Broad gauge tracks of BHEL siding inside the factory and outside upto the siding 'X' point near highway level crossing including points and crossings, switch servicing by cleaning, lubricating the contact surfaces, entire length should be perfectly maintained once in four months ensuring perfect alignment and straightness.	24200.000	RM	33.30	805860.00
DATA	02	Maintenance of gantry tracks of shipping & RMS yards in factory. The work shall be executed as described in the nature of work. Gantry tracks of shipping, RMS yards(both parallel rails) entire track length should be perfectly maintained once in 15 days ensuring perfect alignment and straightness including concrete embedded portions.	47040.000	RM	33.30	1566432.00
	03	Removing and replacing the following track materials, etc. complete. The materials thus removed shall be stacked properly at the locations indicated by the Engineer-in-charge.				
DATA	03A	Rails (Rails will be supplied at free of cost at BHEL stores). Rate includes conveyance charges from stores to site of work with labour.	10.000	MT	2189.55	21895.50
DATA	03B	Carrying of bolts, nuts and other fasteners from BHEL stock yard/stores and fixing in position etc. The rate includes cost of labour, loading, leading, unloading at site of work, fixing in position and alignment etc. complete.	1000.000	KG	4.40	4400.00
DATA	04	Removing the metal/murram ballast around the sleepers and replacing the existing unserviceable sleepers from the gantry/BG track and relaying with the following in the same place duly fixing the sleepers with the rail with its fittings and packing the sleeper	500.000	NO	23.80	11900.00

CONTRACTOR/ TENDERER

ACCEPTING OFFICER

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		with metal/murram ballast to its original level and alignment. The work shall be done substituting with wooden/RCC/CST-9 sleepers. Sleepers will be issued from BHEL stores at free of cost.				
DATA	05	Carrying from stacks with in 1KM lead and spreading metal 20mm/40mm size or gravel(murram) at any section of the gantry track/BG track as per the instructions of Engineer-in-charge. Rate to include all labour charges and other incidental charges, etc. complete.	100.000	CUM	125.90	12590.00
2.8.1	06	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.	100.000	CUM	103.40	10340.00
2.32	07	Clearing of scrub jungle, light jungle, bush/vegetation as per standard specifications and instructions of Engineer-in-charge. The rate shall include for grubbing the roots thoroughly, disposing the same by contractor's own vehicle to the specified place, burning and other incidental charges, etc. complete. For gantry/BG track area.	20000.000	SQM	1.35	27000.00
2.31	08	Clearing of heavy jungle as per standard specifications and instructions of Engineer-in-charge. The rate shall include for grubbing the roots thoroughly, disposing the useful materials to the civil maintenance stores and waste materials to the specified place by contractor's own vehicle, burning and other incidental charges, etc. complete. For gantry/BG track area.	20000.000	SQM	2.65	53000.00

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	09	Conveying of earth, sand, gravel, surki rough stone, broken stone and cut stone, broken concrete brick bats (debris) etc. by contractor's own lorry for the following distances, including loading, leading, unloading, stacking or spreading as per the instructions of Engineer-in-charge. Payment for conveyance of earth is to be made based on pit measurement and for other items based on stack measurements less prescribed percentage for voids as per BIS.				
1.1.2/P54	09A	From 0 KM to 1 KM	50.000	CUM	49.40	2470.00
1.1.2/P54	09B	Upto 2 KM.	20.000	CUM	56.40	1128.00
DATA	10	Engaging of workers in emergency works like for restoring of water supply line burst/leakages, restoring of breaches in B.G/Gantry tracks & other cleaning works etc., The payment will be made based on log book entry for the specific works of engagement. (use of this items shall be restricted only for emergency situations with prior approval of competent authority/ department head).				
DATA	10A	Work Maistry.	100.000	HOUR	32.40	3240.00
DATA	10B	Unskilled worker.	12000.000	HOUR	30.05	360600.00

2880855.50

ESCALATION @ %

0.00

TOTAL ESTIMATED VALUE (A)

2880855.50

CONTRACTOR TENDER PERCENTAGE @ ABOVE / BELOW / AT PAR \_\_\_\_\_% (B)

(Percentage in words )

SUB TOTAL (A+B)

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SERVICE HEAD : SERVICE TAX @ % (C) =====

\_\_\_\_\_ :=====

TOTAL VALUE OF WORK (A+B+C)

CONTRACTOR/ TENDERER

ACCEPTING OFFICER

<b>SPECIAL CONDITIONS OF CONTRACTS (B.G &amp; Gantry Track Maintenance)</b>
NOTE: For Item (03 & 05) , for remote places only (other than lorry approachable area) diplorry with LOCO will be issued to the contractor at free of hire charges for transporting of heavy materials according to availability.
1. You will have to follow all statutory requirements through out the contract period. The current minimum wages for USW is Rs.165.00 and Work Maistry is Rs.178.00 per day. The increase in wages if any will have to be borned by the contractor initially and the same will be reimbursed by BHEL as per actual and as applicable. <b>The contractor has to remit the P.F &amp; ESI contribution in their own code and BHEL will not allot sub code.</b>
1.a The minimum labourers to be engaged for this work is 1 No.Maistry & 12 Nos U.S.W throughout the contract period for item Nos1 &2
1.b, For Items of work 1.06 to 1.09, extra labours should be arranged by the contractor to carry out the works.
2. You will have to follow all safety requirements to carry out the work.
3. The contractor is required to engage a qualified supervisor to supervise the contract throughout the contract period.
4. Rate quoted shall be firm throughout the contract period and include all royalties, terminal taxes, central of provincial excise tax, sales tax, tax on works contract and any other taxes leviabale under the State or Central Government Rules. The Bharat Heavy Electricals Limited will not entertain any claim in this regard.
<b>4a. The rates are to be quoted inclusive of service Tax. The Service Tax if any to be claimed separately by submitting necessary documents as mentioned in the Service Tax act. BHEL will pay the Service Tax at actual excluding penalties and interest if any.</b>
5. You will have to submit the Service Tax registration certificate to BHEL. You will have to remit the service tax and claim reimbursement from BHEL as per contract condition on production of necessary documents. If for any reason, tenderer has to pay penalty, interest on service tax, the tenderer has to bear such additional payment. The BHEL will pay only service tax at actual.
6. Your quoted rate is inclusive of cost of royalties, terminal taxes Central or Provincial excise tax, VAT, tax on works contract and any other taxes leviabale under the State or Central Government Rules. The Bharat Heavy Electricals Limited will not entertain any claim in this regard.
7. You will have to follow all labour laws like payment of minimum wages, PF & ESI throughout the contract period. You will have to remit the PF & ESI amount in your owncode. Your bill will be entertained only after remittance of the PF & ESI amount and has to obtain clearance certificate from the Welfare Department of BHEL. The final bill will be cleared only after submission of clearance certificate from the authorities concerned.
8. The contractor has to follow all statutory requirements throughout the contract period. You will have to pay wages to the workers as per minimum rates of wages for the employment in General Engineering and Fabrication Industry for the category of work covering under Minimum Wages Act which will be informed by BHEL from time to time.

**9 CONTRACT CONDITIONS ON TAXES & DUTIES**

- a. The Tenderer shall have been Registered under Excise, Sales Tax, VAT, Service Tax regulations if applicable and provide a copy of such registration to BHEL as part of the tender document. In case of fresh registration/amendment thereon, the same shall be carried out before start of the work. PAN no shall be submitted as part the tender document. (copy to be enclosed)
- b. Service Tax shall be paid by the service provider namely the Tenderer.
- c. Required Tax Invoice as per the existing provisions to be issued in required parts duly signed by the Competent/Authorized Official of the Contractor to BHEL
- d. If due to deficiency in the document submitted, BHEL could not avail CENVAT, VAT Credit, the credit amount will be recovered from the amount due to the Tenderer .
- e. If payment of statutory dues are not made in accordance with the applicable provisions of the relevant Act within the time specified and Penalty, Interest etc paid/payable by the Contractor, the same shall not be reimbursed by BHEL and the entire implication is only to be born by the Contractor. The Tenderer shall clearly indicate the rate of applicable taxes and duties for the work to be executed.
- f. The Tenderer shall indicate all exemptions on account of thrushold limits or special notification under any stature. Any modification theron shall also be intimated immediately on changes.
- g. The quote submitted shall include all taxes and duties of whatsoever in nature but exclusive of Service Tax which shall be quoted separately if applicable. The existing rate shall be quoted clearly. If reduced rates are applicable on account of material, labour if any the same shall be indicated clearly. After tender opening addition of any tax & duty is not admissible.
- h. f any composition scheme is to be availed by the Tenderer, the all relevant terms and conditions shall be indicated clearly in the offer. The required compliance under relevant statue shall be carried out.
- i. Any statutory variation will be to the account of BHEL. But if the variation is effective during the delayed/extended period of execution for reasons attributable to the vendor, the same shall be borne by the vendor only.

	YES	NO	Remarks
J1. Whether Servicable Turnover has crossed the Service Tax Threshold Limit as per Service Tax Rules for the tenderer.			
J2.Registered with Service Tax authorities	YES	NO	
J3.If yes copy of Service Tax Regn. Is enclosed	YES	NO	
J4.Service Tax Registration No.			
J5.Under which Service Head(s):			
J6.Service Tax @ % is applicable as extra for this tender.			
J7.Whether Input credit for the Materials is availed by the tenderer.	YES	NO	
J8.Whether Input credit for the service portion is availed by the tenderer.	YES	NO	
J9.The Toal Value of Work (A+B+C) quoted is in the Tender is Inclusive of Service Tax . (Must be quoted both in figures and words)			
J10.Tenderer has their own PF registration	YES	NO	

J12.PAN No. of the Tenderer

- 10 **10a) Power and water for all civil & road construction works will be provided by BHEL from the nearest tapping point at the recovery rates specified below. The contractor should make necessary arrangement for tapping the same at his own cost.**

**7b) The Contractor should quote the tender considering the above. The recovery rates towards the cost for these facilities will be @ 1% for water charges & 0.5% for Power charges will be effected from the bills on the executed value as certified by the Engineer-in-charge based on the usage of Power & water .**

**7c) In case the above facilities are not provided by BHEL, the tenderer has to arrange these facilities at his own cost and the recovery rates of 1% for water charges & 0.5% for Power charges will not be effected on the executed value as certified by the Engineer-in-charge.**

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RANIPET – 632 406

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TERMS AND CONDITIONS FOR THE FACTORY / TOWNSHIP ANNUAL  
MAINTENANCE CONTRACT

- 1.0 This contract for doing maintenance work in the FACTORY / TOWNSHIP area of BHEL / Ranipet – 632 406 shall be for the specified period as notified in the tender. The date of commencement of the work will be reckoned from the date of issue of letter of indent.
- 2.0 This contract is purely on temporary license basis and it is subject to extension / renewal solely at the option and discretion of the management of BHEL / Ranipet.
- 3.0 The management of BHEL shall be at liberty to terminate the contract by issuing one month notice to the contractor. But whereas unsatisfactory performance and non compliance with any of the terms and conditions of the contract by the contractor the Management of BHEL shall have the right to terminate the contract forthwith without prior notice and the EMD / Security Deposit paid by the contractor shall stand forfeited.
- 4.0 The Contract shall not be assigned or sublet without the written approval from BHEL.
- 5.0 The Contractor is bound to act as per the Security and Safety Regulations of the Factory / Township inforce from time to time. No extra claim on account of safety & Security Regulations will be entertained.
- 6.0 Compressed air, electricity and water if required will be provided at recovery rates as specified in the tender from the nearest tapping point and it shall be responsibility of the contractor to provide extension with all pipe fittings, cables required upto the work spot observing all safety regulations.
- 7.0 The Contractor shall take all precautionary measures for executing the work and issue suitable safety equipment to the workers.

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CONTRACTOR / TENDERER

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- 8.0 The minimum wages Act. 1948 and related Tamil Nadu Rules is applicable. However the daily wages should not be less than the minimum wages paid by BHEL for their casual workers doing and engaged in similar or equal or same nature of work. If the contractor fails to pay the monthly wages within 7 days of start of every month to the labourer (s) / worker (s) the minimum wages indicated by the Engineer-in-charge shall be at liberty to deduct the amount payable to the labourer (s) / worker (s) from his ( Contractor's ) bills or deposits (s) payable to the contractor, after making due enquiries and establishing the claim(s) of the labourer (s) / worker (s). The Contractor shall not be entitled to any payment or compensation on account of any loss that he (Contractor) may have to incur on account of the action as aforesaid. Before the action as aforesaid is enforced a notice in writing to the Contractor shall be issued by the Engineer-in-charge to pay the wages. If the Contractor does not act as aforesaid within seven days, then the action contemplated as above shall be taken against him.
- 9.0 That the unit rates fixed under this contract are firm for the entire period of the agreement and is not subject to any variation during the period of contract.
- 10.0 All maintenance works which requires the shutdown of power, water supply, Sewage flow will be intimated by the Contractors to the Engineer-in-charge 3 days in advance. It shall be the responsibility of the contractor to arrange the men and material required for the work. The failure on the part of the Contractor to employ adequate number of persons and to use adequate quantity of materials required for the work resulting delay in resuming power, water supply, sewage flow will be treated as breach of the terms and conditions under this agreement and will entail termination forthwith.
- 11.0 The Management of BHEL shall have the right to withhold payment or make recoveries from the bill or from his Security Deposit in respect of any loss or damage caused or occurred in respect of the properties of BHEL under the terms and conditions of this agreement or by any statutory regulations.

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CONTRACTOR / TENDERER

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- 12.0 The Contractor shall by himself or through his employees perform the said work and for any negligence of the service by the contractor or for any loss or damage caused or occasioned by him or his employees to the property of BHEL then the contractor shall make good the loss forthwith.
- 13.0 The management of BHEL shall allow the contractor to store his accessories and other materials free of charges at the place selected by the management, subject to the conditions that the contractor will at his own cost erect the necessary structure for the same and keep the place so allotted to him and its surroundings in a neat and tidy manner in accordance with the conditions laid down by the Management of BHEL from time to time.
- 14.0 The Management of BHEL will not hold responsibility for the loss / theft of properties of the condition kept in BHEL premises.
- 15.0 Within 30 days of the due fulfillment of the contract or within 30 days of the termination of the same, the contractor shall hand over possession to the Management of BHEL in good conditions the site, duly dismantling the structure and clearing away all unwanted materials, failing which the Management of BHEL shall have the power to dismantle the structure and take possession of the site without any obligation to the contractor for any damages and the cost of removing the structure shall be payable by the contractor.
- 16.0 The Contractor shall either himself supervise the executions of the work and / or shall appoint a competent person approved by the BHEL authorities to act on his behalf. The Contractor or his authorized representative shall be in attendance at the premises, during all working hours and shall supervise the execution of work.
- 17.0 Without prejudice to any rights under this agreement if the contractor dies, BHEL authorities shall have option to terminate this agreement without any liability whatsoever to contractor.
- 18.0 On account of default of the contractor and failure on the part of the contractor to act as directed by Engineer-in-charge within the reasonable time as decided by the Engineer-in-charge and if BHEL has to execute the part of the work included in the contract then the work will be executed at the risk and cost of contractor and the cost of work executed plus 30% as departmental charges will be recovered from the contractor bill. Any further correspondence / claim by the Contractor will not be entertained.

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CONTRACTOR / TENDERER

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- 19.0 Every employee of the contractor shall carry the identity card issued by the company at all times within the factory area and shall produce the same for inspection by Officer / Security personnel of the company. It shall be the responsibility of the contractor to obtain the identity cards for the workers.
- 20.0 If the contractor so desires to avail pocket lunch to his workers from BHEL canteen he can avail by purchasing canteen coupon books at the rate of Rs.3/- per coupon or the rate prevailing from time to time.
- 21.0 Every person engaged by the contractor for work at company's premises shall be deemed to be the contractor's employee and no such employees shall have any right on claim against the company

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**BHEL : BAP ; RANIPET**

**WORKS CONTRACT - VARIOUS STATUTORY REQUIREMENTS  
- SPECIAL CONDITIONS**

All the works contract in BHEL will be governed by the following statutory regulations

01. The rate indicated in the schedule here include PF & ESI etc.,
02. Since with effect from 01.11.1990 PF becomes applicable for engagement of a worker even FOR A SINGLE DAY, deduction of PF by the contractor has to be ensured. The contractor has to remit the PF dues of the workers before the submission of the Running account bill. The PF code number will be allotted by BHEL.
03. The list of No. of employees who are to be engaged with details of their names, age, father's name etc., and their daily attendance have to be maintained by the contractor.
04. The contractor has to ensure payment of the statutorily prescribed minimum wages as applicable from time to time and maintain proper records of their timely disbursement. These records would need to be preserved and made available even after the contract is over for any verification by the various statutory authorities.
05. Proof of deduction as well as remittance of the PF dues to the appropriate authorities has also to be shown and proper records maintained.
06. Similarly the contractor should cover all his workers (including that of Sub - contractor's workers) under ESI scheme and the ESI code number will be allotted by BHEL. The contractor shall be asked to furnish along with the bill each month details in the following format for having effected payment of both deduction / contribution towards PF / ESI to the concerned statutory authorities.

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Contractor / Tenderer

Accepting Officer

**DETAILS OF WORKERS EMPLOYED BY THE CONTRACTOR  
FOR THE MONTH OF .....**

Sl No.	Name of the Contract Worker	No of days worked	Wages paid for days worked	Amount of PF deducted	Amount of ESI deducted
(01)	(02)	(03)	(04)	(05)	(06)
	Amount of payment of PF to authorities	Voucher Ref (copy attached)	Amount of ESI contribution paid	Voucher Ref (copy attached)	
	(07)	(08)	(09)	(10)	

07. The tenderer has to furnish proper returns to the concerned statutory authorities.
08. The tenderer has to ensure that all the required information in the tender are to be furnished, failing which BHEL reserves the right to reject the offer.
09. The contractor has to submit Sales Tax Registration No., irrespective of their liability, if any.
10. The first running bill will be released only on production of the following documents  
(i) ST Registration No., (ii) Labour Licence No.,
11. The final payment will be released only on production of clearance certificate from PF, ESI and assessment orders from the Commercial Tax authorities concerned.

Contractor / Tenderer

Accepting Officer

SPECIAL CONDITIONS OF CONTRACT FOR MAINTENANCE OF B.G AND  
GANTRY TRACKS IN FACTORY

The Engineer in charge will allocate works from time to time for each independent work to be carried out by the contractor. The contractor will have to complete each of the works within the stipulated period. Items of work other than mentioned in the Bill of quantities have to be carried out at the rate to be fixed by the organization.

All safety precautions should be taken up while doing the work. On return request safety belt, helmet, etc. will be issued on returnable basis.

**PART A – BROAD GAUGE TRACK**

**SCOPE:**

The scope covers the general requirement for preventive and corrective maintenance of B.G.tracks inside and outside BHEL complex upto railway limit around 4300m length of track from MCN West connection (“X” Point to inside siding).

**NATURE OF WORKS:**

BG Track siding is provided around 4300 metres length formed with 90 Lbs / 105 Lbs rails.

The main area where maintenance is required is indicated below:

- Track – alignment leveling, gauge of tracks, tightening of bolts, fish plates, steel keys, tie bars with cotters, spikes, sleepers, etc., as and when required.
- Transporting the sleepers from stores (wooden/CST-9 concrete) and replacing the damaged one as and when required.
- Packing of murrum ballast, whenever necessary to remove and relaying.
- The murrum ballast should be submitted with stone ballast using 40mm/20mm size wherever necessary adjoining, side drains, culverts, bridges, cleaning before and after rains to ensure no stagnation of water, both side of track.
- Maintaining of earthen embankment standard width before and after rains to ensure that the eroded portion if any is made good.
- Thorny bushes and vegetation are to be cleared then and there to avoid water stagnation and for inspection of track fittings.
- The rails, fish plates, bolts, nuts and other fasteners supplied by BHEL at free of cost has to be replaced in the worn out parts, as and when required.
- The Wooden / CST-9/RCC sleepers etc., has to be replaced as when required.

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**PART B – GANTRY TRACKS IN SHIPPING YARD AND RMS YARDS**

**SCOPE OF WORK:**

The Shipping and RMS yards are provided with 990m parallel length of gantry tracks formed with CR-80 and 105lbs rails. Overall gantry track 990m should be maintained once in 15 days. The main areas where maintenance is required are indicated below.

**NATURE OF WORK:**

- Track alignment, leveling, tightening of bolts, clips, fish plates and spikes. Replacing rails, fish plates, spikes, sleepers, etc., as and when required.
- Substituting of RCC sleepers in wooden sleepers area when ever necessary.
- Transporting the sleepers and replacing the damaged as and when required.
- Packing of ballast, wherever necessary to removing and relaying.
- Side drains clearing before and after rains to ensure no stagnation of water in the Yard.
- Thorny bushes and vegetation are to be cleared then and there to avoid water stagnation and for inspection of track fittings.

**WAGES:**

- The contractor should give a paid weekly holiday to his workers.

**MATERIALS SUPPLY:**

Rails, CST 9/wooden/RCC sleepers with fasteners will be supplied by BHEL free of cost at BHEL stores. If the material supplied by BHEL is lost by the contractor the recovery will be made at the book value together with 30% departmental charges.

**GENERAL:**

The objective of track maintenance (Gantry and BG track) is to keep the tracks fit for the movement of cranes, loco with wagon through out day and night without any interruption.

- To achieve this, the Contractor, should be ready to do the work even on holidays and during night to handle emergency cases.

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- All the tools and plants required for the maintenance will be supplied to the contractor on written request on free of hire charges. The contractor should possess the tools and plants at all times. At the close of contract the tools and plants should be returned to Engineer-in-charge, failing which recovery will be effected based on the book value of the tools and plants with 30% as departmental charges.
- If the performance of the contractor is not satisfactory BHEL can terminate the contract with an advance notice of one month.
- All safety precautions should be strictly followed during maintenance. If power supply is to be cut off to carry out the maintenance work, it should be brought to the notice of the Engineer in charge immediately. Without obtaining the written clearance from Engineer in charge, the work should not be taken up.
- All foreign materials like oil, grease, rust, iron chips, etc. should be removed and the tracks should be kept clean (for gantry & BG track).
- The tracks are subjected to vibration due to movement of cranes, loco with wagon fish plate connections, spikes and ballast materials, etc., may get loosened, consequently the gauge alignment and level of the track gauge alignment and level at all times.
- The contractor should maintain a log book for having tightened the fish plate connections and spikes regularly signed both by the contractor and the supervisor in charge. For both BG and gantry track log book should be submitted to the Engineer in charge for verification.
- Wooden blocks kept at the buffer should be in good condition and if defect is noticed it should be replaced. Wooden block will be supplied by BHEL at free of cost.
- All worn out broken rails, CST 9 sleepers, Wooden/RCC sleepers should be removed and should be replaced with new materials. All materials removed for replacement should be returned to the departmental stores.
- The standard ballast thickness should be maintained at all times. Wherever the ballast materials are loose, it should be removed and the salvaged material free from foreign materials should be relaid and packed. If more ballast materials are required it should be supplemented with new ballast materials.

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- Water stagnation should be prevented at all times. To achieve this, cleaning of storm water drains and leveling the areas immediately after each rain should be done in addition to periodical cleaning of once in two months.
- At all road and rail crossings, the gap should be kept clean. The expansion gap between the two rails should be maintained at all times and the gap should be kept free from all foreign materials. (BG and gantry track area).
- To carryout works as listed in bill of quantities, adequate manpower should be engaged as and when required as per the instructions of supervisor/Engineer in charge.

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