

Bharat Heavy Electricals Limited

High Pressure Boiler Plant

Tiruchirappalli – 620 014. India

Civil Engineering Department (Factory)

TENDER DOCUMENT (PRICE BID)	
Name of work	: Annual Maintenance Contract for Maintenance of Railway tracks, gantry tracks, main water supply lines and carrying out works related to function arrangements such as Stage, Shamiana etc., for BHEL - Trichy, Factory Complex
Tender Schedule No	: CF: TS: 025/ 19 - 20
Value of work	: Rs. 33.00 Lakhs + Applicable GST
Tender Evaluation Cost (50% max based on split and award condition for 3 vendors)	: Rs. 16.50 Lakhs
EMD	: Rs. 33,000/- (Rupees Thirty Three Thousand only)
Period of Contract	: 15 (Fifteen) Months

CONTRACTOR

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BHARAT HEAVY ELECTRICALS LIMITED
TIRUCHIRAPALLI - 620 014

SCHEDULE - A

Name of Work: Annual Maintenance Contract for Maintenance of Railway tracks, gantry tracks, main water supply lines and carrying out works related to function arrangements such as Stage, Shamiana etc., for BHEL – Trichy, Factory Complex

I / We _____ have read the condition of tender attached here to and agree to abide by such conditions. I / We offer to execute the works in **CF: TS: 025/19-20** for a period of **Error! Reference source not found.** at the percentage below / at par / above the rates contained in Bill of Quantities appended **below from Page 03.**

I / We further agree to sign an Agreement Bond to abide by the General Conditions of Contract and to carryout all works according to the specifications for materials and works of Bharat Heavy Electricals Limited, Tiruchirapalli-620 014. In case of acceptance of the tender by the BHEL, I / We bind myself / ourselves to execute the contract documents within 7 days after notice that my/our tender has been accepted and this contract has been awarded to me / us and thus failing which I/We shall have no objection to the forfeiture of the Earnest Money amount to **Rs. 33,000.00** lodged with Bharat Heavy Electricals Limited, Tiruchirapalli-620 014.

I / We further agree to include all tools & plants and consumables required for the work in my / our scope but required power and water will be provided at one point by BHEL at free of cost and based on this, we have quoted our percentage.

Note: Details & Quantities of each item of work shown in the BILL OF QUANTITIES are only approximate and the same is appended below. They are given as a guide for the purpose of tendering only and are liable to variation and alteration of the Competent Authority. The work under each item as executed shall be measured and priced at the overall percentage quoted by the contractor **Below (100-X) % / At par (100%) / Above (100+X) %** of the rates provided in Bill of Quantities appended below from **Page 03**

Sl. No.	Approx. Value of work	Common single Percentage Rate (Below (100 – X)% / At Par (100%) / Above (100 +X) %) to be quoted with respect to the rates provided in the Bill of Quantities (all items as enclosed in the Price Bid of the Tender Document) from Page No. 3 to 12.	
		In Figures	In Words
1.	Rs. 33.00 Lakhs (100%) (Excluding GST)		

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Note: BHEL estimate total 100% is given below. Contractor has to quote Common single percentage, Below (100-X) % / At par (100%) / Above (100+X) %, with respect to the estimate total in Bill of Quantities below, at page 2 both in figures and in words.

BHEL / TRICHY-620 014 , CIVIL ENGINEERING DEPARTMENT (FACTORY)

BILL OF QUANTITIES

Name of work: Annual Maintenance Contract for Maintenance of Railway tracks, gantry tracks, main water supply lines and carrying out works related to function arrangements such as Stage, Shamiana etc., for BHEL – Trichy, Factory Complex

Sl. No.	SR No.	DESCRIPTION	Units	BHEL Rate
1	Similar to 0101A	Earthwork excavation (TRENCHES) in soils given below by mechanical means (Hydraulic excavator) / manual means and depositing the excavated earth at suitable places within the initial lead of 50 meter and initial lift of 1.5 meter for works related to railway tracks, water supply line works, gantry tracks all as per standard specifications and instructions of Engineer-in-charge. All kinds of soil except rock	M3	125.80
2	Similar to 0102A	Earthwork excavation (TRENCHES) in soils given below by mechanical means (Hydraulic excavator) / manual means and depositing the excavated earth at suitable places within the initial lead of 50 meter and initial lift of 1.5 meter for works works related to railway tracks, water supply line works, gantry tracks all as per standard specifications and instructions of Engineer-in-charge. Rate also includes bailing or pumping out water during excavation due to subsoil water, rain etc. All kinds of soil except rock.	M3	138.40
3	0103A	Earth work for Open excavation (exceeding 30 cm in depth, 1.5 m in width as well as 10 sq.m on plan) in soils given below by mechanical means (Hydraulic excavator) / manual means including disposal of earth at suitable places within a lead up to 50 metres and lift up to 1.5 metre, sectioning the subgrade to proper level and grade. Disposed soil are to be leveled and neatly dressed. All kinds of soil except rock (works related to railway tracks, water supply line works, gantry tracks)	M3	178.10
4	0110	Supply and filling with river sand in foundation, plinth, under floor etc. including watering, ramming, consolidating and dressing complete. (works related to railway tracks, water supply line works, gantry tracks)	M3	502.95
5	0111	Supply and spreading/filling with stone dust complying with standard specifications. (works related to railway tracks, water supply line works, gantry tracks)	M3	250.40
6	0112	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m etc. complete.(works related to railway tracks, water supply line works, gantry tracks)	M3	78.90

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Sl. No.	SR No.	DESCRIPTION	Units	BHEL Rate
7	0122	Clearing jungle including uprooting of rank vegetation, grass, brushwood, trees and saplings of girth up to 30 cm measured at a height of 1 metre above ground level and removal of rubbish up to a distance of 50 metre.	M2	4.50
8	0545	Lifting the gantry rails up to 200 mm and packing the rails/sleepers with ballast metal /shim. Plates true to span, alignment and level including oiling and tightening the fish bolts and sleepers, fasteners and fixing new fasteners for the missing and sectioning the formation to the required profile, all as per the instructions of Engineer-in-charge. (Ballast metal, shim, oil, new fasteners etc. will be supplied by BHEL at stores at free of cost) Payment will be made per metre length of single rail. (works related to railway tracks, water supply line works, gantry tracks)	RM	40.05
9	0549	Welding of 90 Lbs. / CR 80 rail joints erected already in alignment in crane girders / gantry girder up to + 14.00 meter including edge preparation, preheating welding using special type electrode (Elec grade 11018). The rate includes all labour charges, electrodes and incidental charges for dismantling the rail from its original position, edge preparation, preheating, welding, post heating as per the instructions of BHEL Engineer in charge. Also include cost of consumables for pre heating and post heating and labour charges for re fixing the 90 Lbs. / CR 80 rail to alignment, level after welding etc., complete. (works related to railway tracks, water supply line works, gantry tracks)	JOINT	2.170.30
10	552	Supply and fixing cup type rail clamp with fittings over the insert plate which is embedded in the concrete. Rate includes welding including cost of consumables, all labour and other incidentals etc. complete, all as per instructions of Engineer-in-charge. (works related to railway tracks, water supply line works, gantry tracks)	EACH	252.45
11	553	Collection from BHEL stores and transporting of rails CR 80/R 45 etc. to the contractor's site fabrication shop, straightening the rails using Gim screw or any other equipments, preparation of edge for welding the rail joints as per drawing and erecting in position at all elevations (i.e, in floor or over the girders) using cup type rail clamps with fittings. The scope includes rail alignment after erection, fixing in position, welding the joints by using approved electrode (E 11018 for CR 80 & E7018 for R 45 rails), pre heating & post heating the joints, grinding the joints neatly etc. as per drawings and instruction of Engineer in charge. Rate shall include cost of providing one coat of red oxide primer as per IS specification and supply of DODL's for BHEL approval in compact disc with two copies of print outs. Quoted rate shall also include cost of consumables, hire charges for tools and plants, labour and incidentals etc. complete but exclude cost of rails which will be supplied by BHEL at free of cost. (works related to railway tracks, water supply line works, gantry tracks)	MT	11,500.00
12	0901C	Supply and stacking the following to standard gauge at site of work, all as per instructions of Engineer-in-Charge. 37.50 mm IRC size metal / 37.5 or 40 mm Stone metal ISS (measured in stacks will be reduced by 7.5 % for payment)	M3	1,029.90

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Sl. No.	SR No.	DESCRIPTION	Units	BHEL Rate
13	1001A20(i)	Dismantling / removing / demolishing as the case may be of the following by manually / mechanical means and carefully stacking the serviceable materials at site of work or conveying and handing over the same at BHEL stores and disposal of unserviceable materials by transporting and dumping in the nearby low level areas within a lead of 100 metres. All as per instructions of Engineer-in-charge. C.I pipes including earthwork excavation, breaking lead caulked joints, melting of lead and making into blocks, refilling trenches after taking out the pipes etc. Up to 150 mm dia.	RM	127.60
14	1001A20(ii)	Dismantling / removing / demolishing as the case may be of the following by manually / mechanical means and carefully stacking the serviceable materials at site of work or conveying and handing over the same at BHEL stores and disposal of unserviceable materials by transporting and dumping in the nearby low level areas within a lead of 100 metres. All as per instructions of Engineer-in-charge. C.I pipes including earthwork excavation, breaking lead caulked joints, melting of lead and making into blocks, refilling trenches after taking out the pipes etc. Above 150 up to 300 mm dia.	RM	169.60
15	1001A20(iii)	Dismantling / removing / demolishing as the case may be of the following by manually / mechanical means and carefully stacking the serviceable materials at site of work or conveying and handing over the same at BHEL stores and disposal of unserviceable materials by transporting and dumping in the nearby low level areas within a lead of 100 metres. All as per instructions of Engineer-in-charge. C.I pipes including earthwork excavation, breaking lead caulked joints, melting of lead and making into blocks, refilling trenches after taking out the pipes etc. Above 300 mm dia.	RM	220.10
16	1001A21(i)	Dismantling / removing / demolishing as the case may be of the following by manually / mechanical means and carefully stacking the serviceable materials at site of work or conveying and handing over the same at BHEL stores and disposal of unserviceable materials by transporting and dumping in the nearby low level areas within a lead of 100 metres. All as per instructions of Engineer-in-charge. C.I sluice valve. Up to 150 mm dia.	EA	100.45
17	1001A21(ii)	Dismantling / removing / demolishing as the case may be of the following by manually / mechanical means and carefully stacking the serviceable materials at site of work or conveying and handing over the same at BHEL stores and disposal of unserviceable materials by transporting and dumping in the nearby low level areas within a lead of 100 metres. All as per instructions of Engineer-in-charge. C.I sluice valve. Above 150 mm dia.	EA	349.15
18	1134	Labour charges for laying centrifugally C.I pipes (S and S or flanged pipes) in trenches to proper grade and alignment. Rate excludes cost of pipes.	MT	1,020.45
19	1135	Labour charges for laying C.I specials such as tees, bends, collars, tapers, caps etc. in trenches to proper alignment. Rate excludes cost of specials.	MT	1,960.45
20	1136A	Labour charges for cutting C.I pipes true to axis and filing smoothly and finishing the ends complete. 80 mm dia. C.I pipe.	EA	44.65

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Sl. No.	SR No.	DESCRIPTION	Units	BHEL Rate
21	1136B	Labour charges for cutting C.I pipes true to axis and filing smoothly and finishing the ends complete. 100 mm dia. C.I pipe.	EA	60.10
22	1136C	Labour charges for cutting C.I pipes true to axis and filing smoothly and finishing the ends complete. 125 mm dia. C.I pipe.	EA	83.90
23	1136D	Labour charges for cutting C.I pipes true to axis and filing smoothly and finishing the ends complete. 150 mm dia. C.I pipe.	EA	113.10
24	1136E	Labour charges for cutting C.I pipes true to axis and filing smoothly and finishing the ends complete. 200 mm dia. C.I pipe.	EA	150.85
25	1136F	Labour charges for cutting C.I pipes true to axis and filing smoothly and finishing the ends complete. 250 mm dia. C.I pipe.	EA	186.95
26	1136G	Labour charges for cutting C.I pipes true to axis and filing smoothly and finishing the ends complete. 300 mm dia. C.I pipe.	EA	224.70
27	1136H	Labour charges for cutting C.I pipes true to axis and filing smoothly and finishing the ends complete. 350 mm dia. C.I pipe.	EA	260.80
28	1136I	Labour charges for cutting C.I pipes true to axis and filing smoothly and finishing the ends complete. 400 mm dia. C.I pipe.	EA	298.30
29	1136J	Labour charges for cutting C.I pipes true to axis and filing smoothly and finishing the ends complete. 450 mm dia. C.I pipe.	EA	334.65
30	1137A	Providing lead caulked joints to C.I pipes and specials including testing of joints but excluding cost of pig lead. 80 / 100 mm dia. pipe.	EA	163.50
31	1137B	Providing lead caulked joints to C.I pipes and specials including testing of joints but excluding cost of pig lead. 125 / 150 mm dia. pipe.	EA	241.50
32	1137C	Providing lead caulked joints to C.I pipes and specials including testing of joints but excluding cost of pig lead. 200 / 250 mm dia. pipe.	EA	365.95
33	1137D	Providing lead caulked joints to C.I pipes and specials including testing of joints but excluding cost of pig lead. 300 / 350 mm dia. pipe.	EA	498.25
34	1137E	Providing lead caulked joints to C.I pipes and specials including testing of joints but excluding cost of pig lead. 400 / 450 mm dia. pipe.	EA	698.95
35	1138A	Providing flanged joints to double flanged C.I pipes and specials including testing of joints, 3 mm thick rubber insertions, suitable bolts and nuts etc. complete. 100 / 125 mm dia. pipe.	EA	173.25

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Sl. No.	SR No.	DESCRIPTION	Units	BHEL Rate
36	1138B	Providing flanged joints to double flanged C.I pipes and specials including testing of joints, 3 mm thick rubber insertions, suitable bolts and nuts etc. complete. 150 / 200 mm dia. pipe.	EA	208.55
37	1138C	Providing flanged joints to double flanged C.I pipes and specials including testing of joints, 3 mm thick rubber insertions, suitable bolts and nuts etc. complete. 250 / 300 mm dia. pipe.	EA	323.45
38	1138D	Providing flanged joints to double flanged C.I pipes and specials including testing of joints, 3 mm thick rubber insertions, suitable bolts and nuts etc. complete. 350 / 400 mm dia. pipe.	EA	453.75
39	1138E	Providing flanged joints to double flanged C.I pipes and specials including testing of joints, 3 mm thick rubber insertions, suitable bolts and nuts etc. complete. 450 / 500 mm dia. pipe.	EA	836.75
40	1139	Desludging and cleaning the underground equalizing reservoirs by dewatering, scraping the silt deposited on floor, brushing, swabbing, cleaning, scraping side walls and floors with bleaching powder, removing dirt, moss, cleaning the reservoirs with fresh water etc. complete. Rate includes labour, scaffolding, brushes, brooms etc. complete. Bleaching powder, electrical / diesel operated pumps with power / diesel and fresh water will be supplied by BHEL at free of charges.	M2	6.00
41	1140	Cleaning the main overhead water tanks by dewatering, scouring the silt deposited on the floor of tanks, removing cobweb, brushing, scraping the side walls and floors of inner and outer compartments using cleaning powder, removal of sediment, applying cleaning powder on all interior surfaces and kept under disinfection for a minimum of 12 hour, then washing thoroughly with clean water without any residual cleaning powder or any foreign matter etc. complete. Rate includes all labour, brushes, brooms etc. Cleaning powder will be supplied by BHEL at stores at free of cost. Payment will be made for the floors and inside walls of the water tanks. (Staging height may vary from 15 to 23 M from ground level)	SQM	6.50
42	1141	Cleaning of overhead water tank of 500 cum capacity with a staging height of 23 to 40 M from ground level by de-watering, removing algae, fungus, scouring the silt deposited on the floors of the tank, removing cobweb, brushing, scraping the side walls of inner and outer shells, floors, columns and beams using necessary cleaning powder on all interior surfaces and kept under disinfection for a minimum of 12 hour, then washing thoroughly with clean water without any residual cleaning powder or any other foreign matter etc., complete. Necessary cleaning powder, brushes, brooms and ladder will be supplied by BHEL at stores at free of cost. Contractor has to take all safety precautions.	EACH	4,880.75
43	1515A	Labour charges for conveying 200 litre capacity drum and pouring with full of water for function and handing over the empty drum to Stores after function is over. Drum will be supplied by BHEL at Stores at free of charges. Water has to be collected either from Township water tanks or Equalizing Reservoir. Rate includes to and fro transportation. At Quarters of Kailasapuram / Kamarajapuram Township.	EACH	264.05

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Sl. No.	SR No.	DESCRIPTION	Units	BHEL Rate
44	1515B	Labour charges for conveying 200 litre capacity drum and pouring with full of water for function and handing over the empty drum to Stores after function is over. Drum will be supplied by BHEL at Stores at free of charges. Water has to be collected either from Township water tanks or Equalizing Reservoir. Rate includes to and fro transportation. At Quarters of Nehru Nagar / burial ground	EACH	314.05
45	1516A	Labour charges for providing Shamiana of following sizes and removing the same after the function is over. Necessary shamiana, posts etc. will be supplied by BHEL at Stores at free of charges. Rate includes to and fro transportation. 40' X 40'	EACH	1,597.50
46	1516B	Labour charges for providing Shamiana of following sizes and removing the same after the function is over. Necessary shamiana, posts etc. will be supplied by BHEL at Stores at free of charges. Rate includes to and fro transportation. 40' X 20'	EACH	1,043.90
47	1516C	Labour charges for providing Shamiana of following sizes and removing the same after the function is over. Necessary shamiana, posts etc. will be supplied by BHEL at Stores at free of charges. Rate includes to and fro transportation. 20' X 12'	EACH	501.30
48	1517	Hire charges for providing 4 ' 40 watts tube light fitting with tube, necessary wire, plug etc. in the tarpaulin pandal / shamiana at G.F / F.F and removing the same after the function is over.	EA	36.30
49	1518	Labour charges for providing stage for functions and removing the same and handing over to Stores after the programme. Necessary stage materials will be supplied by BHEL at Stores at free of charges. Rate includes to and fro transportation.	M2	40.10
50	1519	Labour charges for erection of flag post and tying the flag. Rate includes digging hole, erection of post and removing the same after the function is over including refilling the hole and handing over the flag post, flag etc. to Stores after the programme. Necessary flag post and flag will be supplied by BHEL at Stores at free of charges. Rate includes to and fro transportation.	EA	21.30
51	1520	Labour charges for spreading coir mat and removing the same after the function is over. Rate includes to and fro transportation, labour etc. complete. Coir mat will be issued by BHEL at Stores at free of charges.	M2	5.90
52	1521A	Labour charges for erection in position of column trusses and other accessories and spreading of shamiana, back drops etc. and removing and returning the same after the function is over. Column trusses, shamiana etc. will be issued by BHEL at Stores at free of charges. Rate includes to and fro transportation of materials. For stage of size 32' x 20'	EACH	1,358.80
53	1521B	Labour charges for erection in position of column trusses and other accessories and spreading of shamiana, back drops etc. and removing and returning the same after the function is over. Column trusses, shamiana etc. will be issued by BHEL at Stores at free of charges. Rate includes to and fro transportation of materials. For stage of size 20' x 20' or 20' x 18'	EACH	1,052.10

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Sl. No.	SR No.	DESCRIPTION	Units	BHEL Rate
54	1521C	Labour charges for erection in position of column trusses and other accessories and spreading of shamiana, back drops etc. and removing and returning the same after the function is over. Column trusses, shamiana etc. will be issued by BHEL at Stores at free of charges. Rate includes to and fro transportation of materials. For stage of size 20' x 12'	EACH	750.90
55	1522A	Carrying the following from BHEL Stores to site of work and returning the same after the function is over. Rate includes labour, to and fro transportation etc. PVC moulded chair	EA	4.80
56	1522B	Carrying the following from BHEL Stores to site of work and returning the same after the function is over. Rate includes labour, to and fro transportation etc. Wooden chair with cushion	EA	12.00
57	1523A	If the transportation (to and fro) will be arranged by BHEL for all the required materials such as shamiana, bamboo posts, coir mat, stage materials, flag posts, chairs etc. but including loading and unloading charges, instead of transporting by the contractor, then the rate for : Item No.1516 A	EACH	1,421.45
58	1523B	If the transportation (to and fro) will be arranged by BHEL for all the required materials such as shamiana, bamboo posts, coir mat, stage materials, flag posts, chairs etc. but including loading and unloading charges, instead of transporting by the contractor, then the rate for : Item No. 1516 B	EACH	911.90
59	1523C	If the transportation (to and fro) will be arranged by BHEL for all the required materials such as shamiana, bamboo posts, coir mat, stage materials, flag posts, chairs etc. but including loading and unloading charges, instead of transporting by the contractor, then the rate for : tem No. 1516 C	EACH	402.30
60	1523D	If the transportation (to and fro) will be arranged by BHEL for all the required materials such as shamiana, bamboo posts, coir mat, stage materials, flag posts, chairs etc. but including loading and unloading charges, instead of transporting by the contractor, then the rate for : Item No.1518	M2	32.20
61	1523E	If the transportation (to and fro) will be arranged by BHEL for all the required materials such as shamiana, bamboo posts, coir mat, stage materials, flag posts, chairs etc. but including loading and unloading charges, instead of transporting by the contractor, then the rate for : Item No.1519	EACH	16.90
62	1523F	If the transportation (to and fro) will be arranged by BHEL for all the required materials such as shamiana, bamboo posts, coir mat, stage materials, flag posts, chairs etc. but including loading and unloading charges, instead of transporting by the contractor, then the rate for : Item No. 1520	M2	1.10
63	1523G	If the transportation (to and fro) will be arranged by BHEL for all the required materials such as shamiana, bamboo posts, coir mat, stage materials, flag posts, chairs etc. but including loading and unloading charges, instead of transporting by the contractor, then the rate for: Item No. 1521 A	EACH	1,072.80
64	1523H	If the transportation (to and fro) will be arranged by BHEL for all the required materials such as shamiana, bamboo posts, coir mat, stage materials, flag posts, chairs etc. but including loading and unloading charges, instead of transporting by the contractor, then the rate for: Item No. 1521 B	EACH	804.60

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Sl. No.	SR No.	DESCRIPTION	Units	BHEL Rate
65	1523I	If the transportation (to and fro) will be arranged by BHEL for all the required materials such as shamiana, bamboo posts, coir mat, stage materials, flag posts, chairs etc. but including loading and unloading charges, instead of transporting by the contractor, then the rate for: Item No. 1521 C	EACH	536.40
66	1523J	If the transportation (to and fro) will be arranged by BHEL for all the required materials such as shamiana, bamboo posts, coir mat, stage materials, flag posts, chairs etc. but including loading and unloading charges, instead of transporting by the contractor, then the rate for: Item No. 1522 A	EA	0.85
67	1523K	If the transportation (to and fro) will be arranged by BHEL for all the required materials such as shamiana, bamboo posts, coir mat, stage materials, flag posts, chairs etc. but including loading and unloading charges, instead of transporting by the contractor, then the rate for: Item No.1522 B	EA	2.10
68	1524	Maintenance of BG tracks of BHEL siding, ensuring perfect level, cant, alignment, straightness etc. Scope includes tightening of fish plates, oiling and greasing of fish plates, driving the spikes, beating the steel keys and cotters, checking the tie bars to keep the rails in position and gauge, packing the ballast (murrum / stone), maintaining the width of earthen embankment, cutting of unwanted trees/tree branches on either sides of tracks, clearing off the jungle and bushes to a maximum width of 4.00 m along the track and handing over the cut woods to stores etc. complete, all as per standard railway practices and also taking periodic gauge/super elevation/curve readings and submission of records. Payment will be made for the length of track for which maintenance works attended to. Tools, oil, spares etc. required for the work will be supplied by BHEL at stores at free of charges. (Rate will be paid per RM / One operation).	RM	49.60
69	1525	Maintenance of point and crossing 1 in 8 ½ in BG by thorough packing and consolidation of ballast. Scope of work includes to bring the track to correct longitudinal and cross levels, super elevation on curve, boxing and tidying up the track to prescribed parameters with tolerance as allowed as per IRPWM, cleaning of fish plates, switches, point level, box assembling, oiling and greasing of joint / fish plates, moveable / sliding portion, cutting of unwanted trees/tree branches, clearing off jungle, bushes in and along the point and crossing area and handing over the cut woods to stores and taking periodic reading for maintaining the point and crossing register and submission of record, all as per standards of Indian Railways. Tools, oil, spares etc. required for the work will be supplied by BHEL at stores at free of charges. (Rate will be paid per point & Crossing per one time operation).	EACH	3,693.55
70	1526	Cutting 90 / 105 lbs. rail with hacksaw blade to the correct square in laid condition/free condition. Rate includes labour, tools, consumables, lead, lift etc. complete, all as directed by the Engineer-in-charge. (Payment will be made for each cutting).	EACH	131.60
71	1527	Drilling 32 mm dia. hole in 90 / 105 lbs. rails to match with the fish plate holes in laid condition / free condition. Rate includes labour, tools, consumables, lead, lift etc. complete, all as directed by the Engineer-in-charge. (Payment will be made per hole).	EACH	40.60

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Sl. No.	SR No.	DESCRIPTION	Units	BHEL Rate
72	1528	Removing the ballasts (metal / murrum), earth etc. around the sleepers and replacing to the existing unserviceable sleepers of various lengths from the BG track and relaying with new sleepers in the same place by duly fixing the sleepers with the rail and its fittings and packing the sleepers completely with ballasts (metal / murrum) to correct level, cant, alignment etc. complete. For replacement, sleepers (Wooden / PSC / CST-9 / Pot sleepers) and other connected accessories, ballasts etc. will be supplied by BHEL at stores at free of cost. (Payment will be made per sleeper).	EACH	320.45
73	1529	Carrying from stacks, leading and spreading of 40 / 50 mm size metal / gravel / murrum at any section of the BG track, all as per instructions of Engineer-in-charge. Rate includes all labour, incidentals etc. complete.	M3	103.90
74	1530	Removing and replacing with 90 / 105 lbs. rails for the track, all as per standard specifications. Removed rails and other materials shall be stacked properly at the locations 'or' conveyed and handed over at stores, all as directed by the Engineer-in-charge. 90 / 105 lbs. rails and connected required materials will be supplied at free of cost at RPS / Civil Stores / Stack yard. Rate includes conveyance, handling, straightening, drilling holes in rails to suit fish plates, hacksaw cutting the rail if required, all labour for removing the existing and replacing with new one in correct position, alignment, all other incidentals etc. complete.	MT	3,793.35
75	1532	Removing beehive of any size carefully in all levels at stage beams, columns, slabs, ladders etc., in the overhead tank or other buildings / structures etc. While removing beehive, the contractor should follow all safety rules and regulations, all as per instructions of Engineer-in-charge.	EA	330.00
76	-	Labour charges for providing lead caulked joints to C.I pipes and specials including testing of joints but excluding cost of pig lead, Spun yarn, fire wood etc., which will be supplied by BHEL at free of cost. 80 / 100 mm dia. pipe.	EA	136.90
77	-	Labour charges for providing lead caulked joints to C.I pipes and specials including testing of joints but excluding cost of pig lead, Spun yarn, fire wood etc., which will be supplied by BHEL at free of cost. 125 / 150 mm dia. pipe.	EA	204.85
78	-	Labour charges for providing lead caulked joints to C.I pipes and specials including testing of joints but excluding cost of pig lead, Spun yarn, fire wood etc., which will be supplied by BHEL at free of cost. 200 / 250 mm dia. pipe.	EA	308.70
79	-	Labour charges for providing lead caulked joints to C.I pipes and specials including testing of joints but excluding cost of pig lead, Spun yarn, fire wood etc., which will be supplied by BHEL at free of cost. 300 / 350 mm dia. pipe.	EA	412.20
80	-	Labour charges for providing lead caulked joints to C.I pipes and specials including testing of joints but excluding cost of pig lead, Spun yarn, fire wood etc., which will be supplied by BHEL at free of cost. 400 / 450 mm dia. pipe.	EA	583.00

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Sl. No.	SR No.	DESCRIPTION	Units	BHEL Rate
81	-	Labour charges for providing flanged joints to double flanged C.I pipes and specials including testing of joints. Materials such as 3 mm thick rubber insertions, suitable bolts and nuts etc. will be supplied by BHEL at free of cost. 100 / 125 mm dia. pipe.	EA	47.85
82	-	Labour charges for providing flanged joints to double flanged C.I pipes and specials including testing of joints. Materials such as 3 mm thick rubber insertions, suitable bolts and nuts etc. will be supplied by BHEL at free of cost. 150 / 200 mm dia. pipe.	EA	54.60
83	-	Labour charges for providing flanged joints to double flanged C.I pipes and specials including testing of joints. Materials such as 3 mm thick rubber insertions, suitable bolts and nuts etc. will be supplied by BHEL at free of cost. 250 / 300 mm dia. pipe.	EA	68.25
84	-	Labour charges for providing flanged joints to double flanged C.I pipes and specials including testing of joints. Materials such as 3 mm thick rubber insertions, suitable bolts and nuts etc. will be supplied by BHEL at free of cost. 350 / 400 mm dia. pipe.	EA	82.00
85	-	Labour charges for providing flanged joints to double flanged C.I pipes and specials including testing of joints. Materials such as 3 mm thick rubber insertions, suitable bolts and nuts etc. will be supplied by BHEL at free of cost. 450 / 500 mm dia. pipe.	EA	99.75

Note: Mentioned rates excludes GST% and Quantity of work will be given in work order.

Total tender value = Rupees Thirty Three Lakhs only

CONTRACTOR

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