

**HOWRAH DIVISION-GATI SHAKTI/EASTERN RLY  
TENDER DOCUMENT**

Tender No: 01\_2023-24

Closing Date/Time: 09/05/2023 15:00

DRM/HWH acting for and on behalf of The President of India invites E-Tenders against Tender No 01\_2023-24 Closing Date/Time 09/05/2023 15:00 Hrs. Bidders will be able to submit their original/revise bids upto closing date and time only. Manual offers are not allowed against this tender, and any such manual offer received shall be ignored.

**1. NIT HEADER**

<b>Name of Work</b>	Provision of connection in between SER to ER At MSAE Station and Provision of EI building and two nos hut at MSAE Station under CPM/GSU/HWH.		
<b>Bidding type</b>	Normal Tender		
<b>Tender Type</b>	Open	<b>Bidding System</b>	Single Packet System
<b>Tender Closing Date Time</b>	09/05/2023 15:00	<b>Date Time Of Uploading Tender</b>	14/04/2023 19:00
<b>Pre-Bid Conference Required</b>	No	<b>Pre-Bid Conference Date Time</b>	Not Applicable
<b>Advertised Value</b>	89725280.50	<b>Tendering Section</b>	GSU/HWH
<b>Bidding Style</b>	Single Rate for Each Schedule	<b>Bidding Unit</b>	
<b>Earnest Money (Rs.)</b>	598600.00	<b>Validity of Offer ( Days)</b>	45
<b>Tender Doc. Cost (Rs.)</b>	0.00	<b>Period of Completion</b>	6 Months
<b>Contract Type</b>	Works	<b>Contract Category</b>	Expenditure
<b>Bidding Start Date</b>	25/04/2023	<b>Are Joint Venture (JV) firms allowed to bid</b>	No
<b>Ranking Order For Bids</b>	Lowest to Highest	<b>Expenditure Type</b>	Capital (Works)

**2. SCHEDULE**

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule A- SCHEDULE - A (P.way Portion)</b>							6214844.97	Above/ Below/Par
001	001	1500.00	Track metre	307.20	460800.00	AT Par	460800.00	
	<b>Description:-</b> Linking of B.G.track with New/second hand single rail/3-rail /10-rail/20-rail panel with standard fittings and fastening to make standard B.G. track as per IRPWM with/without traffic block. 90R/52kg/60kg rail on PSC sleepers with sleeper density upto 1660 nos per K.M Note :- The work includes : i)Collecting spreading of P.Way materials with a free lead of 100m with all lifts and crossing of track obstructions if any ii)Deinking of rails with Jim crow if required. iii) Cutting ,Drilling Hole , Pairing and butting of rails/panel iv)Squaring of rail joints and cutting of rail if required v)Sleepers squaring, gauging, levelling,boxing and dressing of ballast as per IRPWM within tolerance. vi) One round initial packing of track to make track fit for 20 Kmph speed. vii)Painting of sleeper spacing on rail webs on each sleepers and numbering of sleepers on every 5th sleeper viii) Cleaning and greasing of rail joints,fish plates, nuts, bolts,pandrol clips, inserts ,etc. ix)Cutting of roads upto the required depth for linking of level crossing.							
002	002	1.00	Set	30769.16	30769.16	AT Par	30769.16	
	<b>Description:-</b> Assembling and inserting of 52kg/60kg/90R points and crossing & other elements without Block Protection. 1 in 12 assembly on concrete sleeper for BG. Note : The work includes :- i) Assembling of points and crossing as per IRPWM with all fittings and fastenings within a free lead of 100m with all leads, lift, crossing track etc. ii) One round of initial packing to make track fit for 20 Kmph speed. iii) Gauging, levelling,boxing and dressing of ballast as per standard profiled specification (IRPWM). iv) Marking of sleeper numbers and positions with white paint on black base. Insertion of Fibres /Ferrules in block joints where ever required. vi) Insertion of insulated gauge tie plates, stretcher bars etc with proper opening and setting. vii)The work includes cutting of rails by rail cutting machine to the required length and drilling holes on rail web including chamferring the hole edges in existing track or new track required for assembling and insertion of track elements so as to achieve machined joints as specified in the drawing. viii) Cleaning and greasing of joints, pandrol clips, inserts,nuts,bolts etc. ix) Fixing of rubber pad with adhesive. x) Glued joint shall be supplied by the Railway and payment shall be made under item 2e).							
	003	1.00	Set	25592.23	25592.23	AT Par	25592.23	

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003	<p><b>Description:-</b> Assembling and inserting of 52kg/60kg/90R points and crossing &amp; other elements without Block Protection. 1 in 8 1/2 assembly on concrete sleepers for BG. Note : The work includes :- i) Assembling of points and crossing as per IRPWM with all fittings and fastenings within a free lead of 100m with all leads, lift, crossing track etc. ii) One round of initial packing to make track fit for 20 Kmph speed. iii) Gauging, levelling,boxing and dressing of ballast as per standard profiled specification (IRPWM). iv) Marking of sleeper numbers and positions with white paint on black base. Insertion of Fibres /Ferrules in block joints where ever required. vi) Insertion of insulated gauge tie plates, stretcher bars etc with proper opening and setting. vii)The work includes cutting of rails by rail cutting machine to the required length and drilling holes on rail web including chamferring the hole edges in existing track or new track required for assembling and insertion of track elements so as to achieve machined joints as specified in the drawing. viii) Cleaning and greasing of joints, pandrol clips, inserts,nuts,bolts etc. ix) Fixing of rubber pad with adhesive. x) Glued joint shall be supplied by the Railway and payment shall be made under item 2e).</p>						
004	004	1.00	Set	4899.25	4899.25	AT Par	4899.25
004	<p><b>Description:-</b> Assembling and inserting of 52kg/60kg/90R points and crossing &amp; other elements without Block Protection. Derailing/ Trap switch on wooden/ concrete sleepers for BG. Note : The work includes :- i) Assembling of points and crossing as per IRPWM with all fittings and fastenings within a free lead of 100m with all leads, lift, crossing track etc. ii) One round of initial packing to make track fit for 20 Kmph speed. iii) Gauging, levelling,boxing and dressing of ballast as per standard profiled specification (IRPWM). iv) Marking of sleeper numbers and positions with white paint on black base. Insertion of Fibres /Ferrules in block joints where ever required. vi) Insertion of insulated gauge tie plates, stretcher bars etc with proper opening and setting. vii)The work includes cutting of rails by rail cutting machine to the required length and drilling holes on rail web including chamferring the hole edges in existing track or new track required for assembling and insertion of track elements so as to achieve machined joints as specified in the drawing. viii) Cleaning and greasing of joints, pandrol clips, inserts,nuts,bolts etc. ix) Fixing of rubber pad with adhesive. x) Glued joint shall be supplied by the Railway and payment shall be made under item 2e).</p>						
005	005	2.00	Set	3290.76	6581.52	AT Par	6581.52
005	<p><b>Description:-</b> Assembling and inserting of 52kg/60kg/90R points and crossing &amp; other elements without Block Protection. SEJ on concrete sleepers for BG. Note : The work includes :- i) Assembling of points and crossing as per IRPWM with all fittings and fastenings within a free lead of 100m with all leads, lift, crossing track etc. ii) One round of initial packing to make track fit for 20 Kmph speed. iii) Gauging, levelling,boxing and dressing of ballast as per standard profiled specification (IRPWM). iv) Marking of sleeper numbers and positions with white paint on black base. Insertion of Fibres /Ferrules in block joints where ever required. vi) Insertion of insulated gauge tie plates, stretcher bars etc with proper opening and setting. vii)The work includes cutting of rails by rail cutting machine to the required length and drilling holes on rail web including chamferring the hole edges in existing track or new track required for assembling and insertion of track elements so as to achieve machined joints as specified in the drawing. viii) Cleaning and greasing of joints, pandrol clips, inserts,nuts,bolts etc. ix) Fixing of rubber pad with adhesive. x) Glued joint shall be supplied by the Railway and payment shall be made under item 2e).</p>						
006	006	10.00	Set	672.10	6721.00	AT Par	6721.00
006	<p><b>Description:-</b> Assembling and inserting of 52kg/60kg/90R points and crossing &amp; other elements without Block Protection. Glued Joint Note : The work includes :- i) Assembling of points and crossing as per IRPWM with all fittings and fastenings within a free lead of 100m with all leads, lift, crossing track etc. ii) One round of initial packing to make track fit for 20 Kmph speed. iii) Gauging, levelling,boxing and dressing of ballast as per standard profiled specification (IRPWM). iv) Marking of sleeper numbers and positions with white paint on black base. Insertion of Fibres /Ferrules in block joints where ever required. vi) Insertion of insulated gauge tie plates, stretcher bars etc with proper opening and setting. vii)The work includes cutting of rails by rail cutting machine to the required length and drilling holes on rail web including chamferring the hole edges in existing track or new track required for assembling and insertion of track elements so as to achieve machined joints as specified in the drawing. viii) Cleaning and greasing of joints, pandrol clips, inserts,nuts,bolts etc. ix) Fixing of rubber pad with adhesive. x) Glued joint shall be supplied by the Railway and payment shall be made under item 2e).</p>						
007	007	3.00	Set	31886.66	95659.98	AT Par	95659.98
007	<p><b>Description:-</b> Assembling and inserting of 52kg/60kg/90R points and crossing &amp; other elements with block protection Under Taffic Block. 1 in 12 assembly on concrete sleeper for BG. Note : The work includes :- i) Assembling of points and crossing as per IRPWM with all fittings and fastenings within a free lead of 100m with all leads, lift, crossing track etc. ii) One round of initial packing to make track fit for 20 Kmph speed. iii) Gauging, levelling,boxing and dressing of ballast as per standard profiled specification (IRPWM). iv) Marking of sleeper numbers and positions with white paint on black base. Insertion of Fibres /Ferrules in block joints where ever required. vi) Insertion of insulated gauge tie plates, stretcher bars etc with proper opening and setting. vii)The work includes cutting of rails by rail cutting machine to the required length and drilling holes on rail web including chamferring the hole edges in existing track or new track required for assembling and insertion of track elements so as to achieve machined joints as specified in the drawing. viii) Cleaning and greasing of joints, pandrol clips, inserts,nuts,bolts etc. ix) Fixing of rubber pad with adhesive. x) Glued joint shall be supplied by the Railway and payment shall be made under item 2e).</p>						
008	008	1.00	Set	3622.11	3622.11	AT Par	3622.11

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008	<p><b>Description:-</b> Assembling and inserting of 52kg/60kg/90R points and crossing &amp; other elements with block protection Under Traffic Block. Derailing/ Trap switch on wooden/ concrete sleepers for BG. Note : The work includes :- i) Assembling of points and crossing as per IRPWM with all fittings and fastenings within a free lead of 100m with all leads, lift, crossing track etc. ii) One round of initial packing to make track fit for 20 Kmph speed. iii) Gauging, levelling,boxing and dressing of ballast as per standard profiled specification (IRPWM). iv) Marking of sleeper numbers and positions with white paint on black base. Insertion of Fibres /Ferrules in block joints where ever required. vi) Insertion of insulated gauge tie plates, stretcher bars etc with proper opening and setting. vii)The work includes cutting of rails by rail cutting machine to the required length and drilling holes on rail web including chamfering the hole edges in existing track or new track required for assembling and insertion of track elements so as to achieve machined joints as specified in the drawing. viii) Cleaning and greasing of joints, pandrol clips, inserts,nuts,bolts etc. ix) Fixing of rubber pad with adhesive. x) Glued joint shall be supplied by the Railway and payment shall be made under item 2e).</p>						
009	2.00	Set	3732.12	7464.24	AT Par	7464.24	
009	<p><b>Description:-</b> Assembling and inserting of 52kg/60kg/90R points and crossing &amp; other elements with block protection Under Traffic Block. SEJ on concrete sleepers for BG. Note : The work includes :- i) Assembling of points and crossing as per IRPWM with all fittings and fastenings within a free lead of 100m with all leads, lift, crossing track etc. ii) One round of initial packing to make track fit for 20 Kmph speed. iii) Gauging, levelling,boxing and dressing of ballast as per standard profiled specification (IRPWM). iv) Marking of sleeper numbers and positions with white paint on black base. Insertion of Fibres /Ferrules in block joints where ever required. vi) Insertion of insulated gauge tie plates, stretcher bars etc with proper opening and setting. vii)The work includes cutting of rails by rail cutting machine to the required length and drilling holes on rail web including chamfering the hole edges in existing track or new track required for assembling and insertion of track elements so as to achieve machined joints as specified in the drawing. viii) Cleaning and greasing of joints, pandrol clips, inserts,nuts,bolts etc. ix) Fixing of rubber pad with adhesive. x) Glued joint shall be supplied by the Railway and payment shall be made under item 2e).</p>						
010	20.00	Set	1093.34	21866.80	AT Par	21866.80	
010	<p><b>Description:-</b> Assembling and inserting of 52kg/60kg/90R points and crossing &amp; other elements with block protection Under Traffic Block. Glued joint Note : The work includes :- i) Assembling of points and crossing as per IRPWM with all fittings and fastenings within a free lead of 100m with all leads, lift, crossing track etc. ii) One round of initial packing to make track fit for 20 Kmph speed. iii) Gauging, levelling,boxing and dressing of ballast as per standard profiled specification (IRPWM). iv) Marking of sleeper numbers and positions with white paint on black base. Insertion of Fibres /Ferrules in block joints where ever required. vi) Insertion of insulated gauge tie plates, stretcher bars etc with proper opening and setting. vii)The work includes cutting of rails by rail cutting machine to the required length and drilling holes on rail web including chamfering the hole edges in existing track or new track required for assembling and insertion of track elements so as to achieve machined joints as specified in the drawing. viii) Cleaning and greasing of joints, pandrol clips, inserts,nuts,bolts etc. ix) Fixing of rubber pad with adhesive. x) Glued joint shall be supplied by the Railway and payment shall be made under item 2e).</p>						
011	1000.00	Track metre	87.20	87200.00	AT Par	87200.00	
011	<p><b>Description:-</b> Dismantling of existing 60Kg/52kg/90R or any other Rail section etc. track on any type of sleepers and other track elements to be done under traffic block. Standard BG track Note :- The work includes : i) Opening /removing of all fittings and fastenings. ii) Classification segregation and stacking of release materials at safe distance within free lead of 100m with all leads, lifts and to be kept at site by the tenderer in his own custody in safe condition till proper disposal. iii) Cleaning and levelling of area below track after removal of track. iv)Dismantled rail may be required to be re-used in linking . The stacking should be done in this item accordingly. No lead payment for such rail will be made respective stacking distance. v) Release material to be safe guarded by the contractor in his own custody till disposal.</p>						
012	2.00	Set	8179.26	16358.52	AT Par	16358.52	
012	<p><b>Description:-</b> Dismantling of existing 60Kg/52kg/90R or any other Rail section etc. track on any type of sleepers and other track elements to be done under traffic block. Points &amp; Crossing 1 in 12 for BG Note :- The work includes : i) Opening /removing of all fittings and fastenings. ii) Classification segregation and stacking of release materials at safe distance within free lead of 100m with all leads, lifts and to be kept at site by the tenderer in his own custody in safe condition till proper disposal. iii) Cleaning and levelling of area below track after removal of track. iv)Dismantled rail may be required to be re-used in linking . The stacking should be done in this item accordingly. No lead payment for such rail will be made respective stacking distance. v) Release material to be safe guarded by the contractor in his own custody till disposal.</p>						
013	2.00	Set	7001.40	14002.80	AT Par	14002.80	
013	<p><b>Description:-</b> Dismantling of existing 60Kg/52kg/90R or any other Rail section etc. track on any type of sleepers and other track elements to be done under traffic block. Points &amp; Crossing 1 in 8.5 for BG Note :- The work includes : i) Opening /removing of all fittings and fastenings. ii) Classification segregation and stacking of release materials at safe distance within free lead of 100m with all leads, lifts and to be kept at site by the tenderer in his own custody in safe condition till proper disposal. iii) Cleaning and levelling of area below track after removal of track. iv)Dismantled rail may be required to be re-used in linking . The stacking should be done in this item accordingly. No lead payment for such rail will be made respective stacking distance. v) Release material to be safe guarded by the contractor in his own custody till disposal.</p>						

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014	014	2.00	Set	2901.72	5803.44	AT Par	5803.44
	<p><b>Description:-</b> Dismantling of existing 60Kg/52kg/90R or any other Rail section etc. track on any type of sleepers and other track elements to be done under traffic block. Derailing/Trap Switch For BG Note :- The work includes : i) Opening /removing of all fittings and fastenings. ii) Classification segregation and stacking of release materials at safe distance within free lead of 100m with all leads, lifts and to be kept at site by the tenderer in his own custody in safe condition till proper disposal. iii) Cleaning and levelling of area below track after removal of track. iv)Dismantled rail may be required to be re-used in linking . The stacking should be done in this item accordingly. No lead payment for such rail will be made respective stacking distance. v) Release material to be safe guarded by the contractor in his own custody till disposal.</p>						
015	015	3.00	Set	2208.14	6624.42	AT Par	6624.42
	<p><b>Description:-</b> Dismantling of existing 60Kg/52kg/90R or any other Rail section etc. track on any type of sleepers and other track elements to be done under traffic block. SEJ Note :- The work includes : i) Opening /removing of all fittings and fastenings. ii) Classification segregation and stacking of release materials at safe distance within free lead of 100m with all leads, lifts and to be kept at site by the tenderer in his own custody in safe condition till proper disposal. iii) Cleaning and levelling of area below track after removal of track. iv)Dismantled rail may be required to be re-used in linking . The stacking should be done in this item accordingly. No lead payment for such rail will be made respective stacking distance. v) Release material to be safe guarded by the contractor in his own custody till disposal.</p>						
016	016	200.00	Track metre	89.07	17814.00	AT Par	17814.00
	<p><b>Description:-</b> Dismantling of existing 60Kg/52kg/90R or any other Rail section etc. track on any type of sleepers and other track elements to be done without traffic block. Standard BG track Note :- The work includes : i) Opening /removing of all fittings and fastenings. ii) Classification segregation and stacking of release materials at safe distance within free lead of 100m with all leads, lifts and to be kept at site by the tenderer in his own custody in safe condition till proper disposal. iii) Cleaning and levelling of area below track after removal of track. iv)Dismantled rail may be required to be re-used in linking . The stacking should be done in this item accordingly. No lead payment for such rail will be made respective stacking distance. v) Release material to be safe guarded by the contractor in his own custody till disposal.</p>						
017	017	1.00	Set	8378.29	8378.29	AT Par	8378.29
	<p><b>Description:-</b> Dismantling of existing 60Kg/52kg/90R or any other Rail section etc. track on any type of sleepers and other track elements to be done without traffic block. Points &amp; Crossing 1 in 12 for BG Note :- The work includes : i) Opening /removing of all fittings and fastenings. ii) Classification segregation and stacking of release materials at safe distance within free lead of 100m with all leads, lifts and to be kept at site by the tenderer in his own custody in safe condition till proper disposal. iii) Cleaning and levelling of area below track after removal of track. iv)Dismantled rail may be required to be re-used in linking . The stacking should be done in this item accordingly. No lead payment for such rail will be made respective stacking distance. v) Release material to be safe guarded by the contractor in his own custody till disposal.</p>						
018	018	1.00	Set	6178.42	6178.42	AT Par	6178.42
	<p><b>Description:-</b> Dismantling of existing 60Kg/52kg/90R or any other Rail section etc. track on any type of sleepers and other track elements to be done without traffic block. Points &amp; Crossing 1 in 8.5 for BG Note :- The work includes : i) Opening /removing of all fittings and fastenings. ii) Classification segregation and stacking of release materials at safe distance within free lead of 100m with all leads, lifts and to be kept at site by the tenderer in his own custody in safe condition till proper disposal. iii) Cleaning and levelling of area below track after removal of track. iv)Dismantled rail may be required to be re-used in linking . The stacking should be done in this item accordingly. No lead payment for such rail will be made respective stacking distance. v) Release material to be safe guarded by the contractor in his own custody till disposal.</p>						
019	019	1.00	Set	3374.47	3374.47	AT Par	3374.47
	<p><b>Description:-</b> Dismantling of existing 60Kg/52kg/90R or any other Rail section etc. track on any type of sleepers and other track elements to be done without traffic block. Derailing/Trap Switch For BG Note :- The work includes : i) Opening /removing of all fittings and fastenings. ii) Classification segregation and stacking of release materials at safe distance within free lead of 100m with all leads, lifts and to be kept at site by the tenderer in his own custody in safe condition till proper disposal. iii) Cleaning and levelling of area below track after removal of track. iv)Dismantled rail may be required to be re-used in linking . The stacking should be done in this item accordingly. No lead payment for such rail will be made respective stacking distance. v) Release material to be safe guarded by the contractor in his own custody till disposal.</p>						
020	020	1.00	Set	997.49	997.49	AT Par	997.49
	<p><b>Description:-</b> Dismantling of existing 60Kg/52kg/90R or any other Rail section etc. track on any type of sleepers and other track elements to be done without traffic block. SEJ Note :- The work includes : i) Opening /removing of all fittings and fastenings. ii) Classification segregation and stacking of release materials at safe distance within free lead of 100m with all leads, lifts and to be kept at site by the tenderer in his own custody in safe condition till proper disposal. iii) Cleaning and levelling of area below track after removal of track. iv)Dismantled rail may be required to be re-used in linking . The stacking should be done in this item accordingly. No lead payment for such rail will be made respective stacking distance. v) Release material to be safe guarded by the contractor in his own custody till disposal.</p>						

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021	Please see Item Breakup for details.			118526.08	AT Par	118526.08	
	<b>Description:-</b> Through packing of B.G. Track and other elements of track on any type of sleepers to specified tolerance as per IRPWM para 224 to complete the work in all respect. Note :- The work includes : i) If packing is to be done more than one round ,the quantity shall be modified accordingly. ii) After packing track should be fit for specified speed as directed by engineer-in charge. iii) Engineer in-charge will give specific instruction for round of packing to be done in writing.						
022	Please see Item Breakup for details.			120745.00	AT Par	120745.00	
	<b>Description:-</b> Slewing of track/realignment of curve to achieve specified alignment, guage, level etc. complete in all respect within/without traffic block. Note: - The work include i) One round of through packing after slewing to make the track fit for movement of traffic . ii) Opening of track complete as per direction of Engineer at site. iii) Collecting,picking and spreading of ballast as per new alignment						
023	Please see Item Breakup for details.			61375.10	AT Par	61375.10	
	<b>Description:-</b> Lifting of BG track and other track element on any type of sleepers as per IRPWM para 224 to specified tollerance complete in all respect. Note :- After lifting work track should be fit for 20 KMPH speed.						
024	Please see Item Breakup for details.			123423.40	AT Par	123423.40	
	<b>Description:-</b> Unloading 52Kg/60Kg rail, sleeper and other p.way items from all type of wagons under block protection. NOTE:- i) After unloading the materials should be stacked if required within the free lead of 100M clearing all infringement of traffic. ii)During unloading no material should obstruct track and traffic movement. iii)The contractor shall engage sufficient men to do the work during block period as directed by site Engineer at day /night. iv)The contractor shall engage men to watch and ensure safty of men as well as railway traffic. v) Unloading may be done beyond the jurisdiction of this contract also if required by Railway.						
025	Please see Item Breakup for details.			6599.60	AT Par	6599.60	
	<b>Description:-</b> Unloading 52Kg/60Kg rail, sleeper and other p.way items from all type of wagons without block protection. NOTE:- i) After unloading the materials should be stacked if required within the free lead of 100M clearing all infringement of traffic. ii)During unloading no material should obstruct track and traffic movement. iii)The contractor shall engage sufficient men to do the work during block period as directed by site Engineer at day /night. iv)The contractor shall engage men to watch and ensure safty of men as well as railway traffic. v) Unloading may be done beyond the jurisdiction of this contract also if required by Railway.						
026	026	4000.00	cum	147.57	590280.00	AT Par	590280.00
	<b>Description:-</b> Unloading of stone ballast unloaded from any type of Railway wagons with/without traffic block at day/night. Note:- The rate includes - i) During and after unloading all heaps and infringements to traffic to be removed so that empty rake may draw out without any obstruction and detention. ii) Closing of door of unloaded wagons in proper conditions for safe running (after unloading). iii)During the unloading the contractor should employ watchman to ensure safety of men as well as traffic. iv) Sufficient lighting arrangements for night working & unloading should be done without detention of rake.						
027	027	4000.00	Numbers	65.73	262920.00	AT Par	262920.00
	<b>Description:-</b> Spreading of ballast from the stacks already supplied by the site of existing track wagon / cess supply ballast upto a free lead of 300m complete in all respect the rate includes all lifts crossing of lines cost of labour, tools and plants and incidental charge etc.						
028	Please see Item Breakup for details.			608840.00	AT Par	608840.00	
	<b>Description:-</b> Transportation of P.Way items by truck/tractor/trailor small fittings, rail, ordinary/special sleepers, switch, crossings, glued Joints and other P.Way fittings etc. Note:- i) Loading unloading and stacking with a free lead of 300M including lifting (ascend & descend), crossing of multiple tracks & road. ii) Rate shall include of Ocry, tax etc. iii) Payment of transportation upto 25 KM will be paid against item no. (a) above, lead in excess of 25 KM upto 60 KM will be paid against item no. (b) above, lead in excess of 60 KM upto 200 KM will be paid against item no. (c) and only lead in excess of 200 KM will be paid against item (d). iv) Transportation may be done beyond the jurisdiction of this contract also.						
029	Please see Item Breakup for details.			28978.50	AT Par	28978.50	
	<b>Description:-</b> Trolleying / leading P.Way items i.e. rails, sleepers upto 1KM by contractors dip lorry/dolly including lead upto 30mtrs. Crossing any nos. of tracks with or without block protection.						
030	030	150.00	Metre	2.68	402.00	AT Par	402.00
	<b>Description:-</b> Trolleying P.Way items i.e. rails, sleepers for every addl. 1/2 KM each or part thereof with or without block. Rail Any section						
031	031	300.00	Each	16.10	4830.00	AT Par	4830.00
	<b>Description:-</b> Trolleying P.Way items i.e. rails, sleepers for every addl. 1/2 KM each or part thereof with or without block. Ordinary concrete sleepers / L.C. sleepers / Bridge sleepers						
032	032	1000.00	Each	10.73	10730.00	AT Par	10730.00
	<b>Description:-</b> Stenciling of writing letters digits size between 50mm to 80mm on station no. and curve particulars on Web of rails approval white colour on ready mixed oil bound black primer base. Rate includes supply of labour and paints.						

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033	150.00	Per Joint	1142.98	171447.00	AT Par	171447.00
	<b>Description:-</b> Supply of skilled and unskilled labour for welding of 52Kg / 60Kg rail panel by SKV process. The rate shall include cost of labour, petrol, kerosine oil, hydraulic oil for welding as per specification ,filling the welding jointing on top and sides as per AT Manual to obtain finish joint within prescribed tolerances. Without block in track Note:- i) Railway will provide weld portion, dry moulds. All equipments, tools and plants have to be provided by contractor. ii) All skilled and unskilled labour to be provided by contractor and typical composition of skilled labour required is Welder - 1(one) ; Moulder -1(one) ; Hammerman -1(one) ; Aligner -1(one) ; Luter -1(one); Khalasi - 4(four). iii) Welding should be done as per procedure laid down in A T Manual. iv) For welding all works related to creating gap by cutting, drilling, deinking, pulling rails, levelling and aligning etc shall be done by the contractor. v) For welding railway will provide qualified welding supervisor for technical guidance. vi) Re-adjustment of sleepers including removal of joint sleepers.vii) Release P.Way materials will be deposited at SSE/P.WAY/BWN/EAST Store on any adjacent station as per instruction of Engineer-in-charge. viii) Welding portions and dry moulds will be supplied from SSE/P.WAY/BWN/EAST within Eastern railway . The contractor has to make his own arrangement for transporting the same to site.					
034	100.00	Set	1400.54	140054.00	AT Par	140054.00
	<b>Description:-</b> Manufacturing, supplying and fixing of M.S. bracket for check rail and L bracket for 52Kg/60Kg. Running rail along with manufacturing, supplying and fixing of 25mm dia. Bolts and nuts as per T-11506, M.S. Bracket for 52Kg/60Kg running rail (as per sample available) with minor modification on top of bracket where a slope of the 1 in 2.75 will have to be provided so that it matches with fising plate running rails and height of check rail will be same as running rail with proper gap.					
035	300.00	Each	69.77	20931.00	AT Par	20931.00
	<b>Description:-</b> Drilling of capsule shape holes in rail web of size 40mm and 28mm.					
036	6000.00	Track metre	14.76	88560.00	AT Par	88560.00
	<b>Description:-</b> Pre-tamping and post tamping attention (together taken as one round of attention) to track for machine maintenance as per stipulations contained in Para-226(3) and 226(5) of IRPMM with/without block protection.					
037	1600.00	Track metre	16.10	25760.00	AT Par	25760.00
	<b>Description:-</b> Distressing of LWR track with/without traffic block within distressing temperature vide LWR manual -1996 para 5.7 and as per instruction of Engineer-in-charge at site. The rate includes required tool & plants (roller also), cutting of rail in advance. Cutting the rail of extended position, closure within block period (if done in block). Contractor will not get any payment for idle labours, tools & plants etc. due to non-availability of distressing temp. and any other reason what-so-ever.					
038	10.00	Set	1043.71	10437.10	AT Par	10437.10
	<b>Description:-</b> Erection of creep post in SEJ/LWR per set including cutting and painting of rails as per direction of site Engineer.					
039	150.00	MT	238.79	35818.50	AT Par	35818.50
	<b>Description:-</b> Shifting of materials such as rails of any section, wooden/Ci/Steel/ concrete sleepers & all P.Way fittings etc. etc. to the new position including picking up & stacking as per direction of site-engineer within lead upto 60m with contractor's own labour, tools & plants, all lead, lift, ascend,descend, crossing of tracks upto the satisfaction of site-engineer.					
040	200.00	Numbers	18.78	3756.00	AT Par	3756.00
	<b>Description:-</b> Assisting of USFD teams during testing of welding joints etc. including suppliers of grease for testing.					
041	4.00	Set	8050.48	32201.92	AT Par	32201.92
	<b>Description:-</b> Trial assembly/staging of switches at convient location outside of running track to facilitate S&T work.					
042	1500.00	Sqm	22.80	34200.00	AT Par	34200.00
	<b>Description:-</b> Painting of rail surface with one coat of ready mixed oil bound primer of approved quality including cleaning of surface to make it free from rust, grease, etc. The rate includes supply of paint by the contractor and complete in all respect.					
043	1500.00	Sqm	17.44	26160.00	AT Par	26160.00
	<b>Description:-</b> Painting oil cleaned rail surface with ready mixed bituminous paint conforming to I.S 158 (2 Coats) after painting with primer as item No. -26 above. The rate includes supply of paint by the contractor. Hence Sqm in unit means Sqm per coat					
044	4.00	Each	5332.56	21330.24	AT Par	21330.24
	<b>Description:-</b> Fabrication of Buffer Box type with SH wooden/ST sleeper/ PSC released sleeper as per approved drawing etc including filling with earth providing bolts and nuts, MS Tie plate,and two coats of approved quality painting etc complete in all respect.					
045	4.00	Each	6417.85	25671.40	AT Par	25671.40

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045	<b>Description:-</b> Making temporary water proof goomty of size 10' X 10' with bamboo framing and tarpaulin cover on roof and three side with dressed wooden/steel sleeper flooring for a period for a period for 10 to 15 days equipped with one table, three chair for staff working complete in all respect.						
047	047	5000.00	Each	2.68	13400.00	AT Par	13400.00
	<b>Description:-</b> Changing metal/broken GFN Liners with new 60kg/52 kg GFN/Metal Liners on existing running track for track by driving out pandrol,taking out existing liners and fixing new liners and redriving the pandrols with all contractors labours, tools & plants ensuring proper setting of liners etc. It should be ensured that pandrols are not taking out continuously at a stretch. The rate includes cost of carrying liners from nearest station to work site and released liners from work site to nearest station by any means.						
048	048	500.00	cum	182.44	91220.00	AT Par	91220.00
	<b>Description:-</b> Earthwork in cutting in formation without cutting machine in yard for linking of track with proper precaution of existing cable etc. including compaction of cutting areas dressing, finishing to required slope as per approved drawing. The rate shall inclusive of all lead/lift/crossing of track etc. and dumping soil outside railway land or in railway land upto a lead of 100m complete in all respect as per direction of E.I.C.						
049	049	100.00	cum	1342.86	134286.00	AT Par	134286.00
	<b>Description:-</b> Dismantling of CC,RCC,B/W,stone set, BFS etc in cement of lime mortar, above or below ground level, taking proper precaution to existing structure with all lead, lift, crossing of track, coaches, removal of dismantled debris outside or within railway land, as directed by engineer at site with all contractor's labour, tools and plants etc to complete the job in all respect.						
050	050	1500.00	Man-Days	422.73	634095.00	AT Par	634095.00
	<b>Description:-</b> Supply of Labour (helpers) for maintenance of track, assistance to inspectors/officers during supervision of field work in measurements ,by acting as a look out bmen, chowkidars,patrolmen etc. as per instruction of Engineer-in-charge or his representative. For safety related works,competency will be ensured by inspector concerned. The inspector concerned will maintain proper record of supply of labourers by the agency.						
051	051	10.00	Each	384.92	3849.20	AT Par	3849.20
	<b>Description:-</b> Making track circuiting joint/Block joints including cutting, drilling & fixing of insulated fibre with/without traffic block.						
052	052	3000.00	Metre	13.41	40230.00	AT Par	40230.00
	<b>Description:-</b> Loading of Rails and other P.Way items in any type of wagon including all lead and lift complete in all respect i)Single Rail.						
052	052	16.00	Each	2024.36	32389.76	AT Par	32389.76
	<b>Description:-</b> Casting/making of fouling mark (FM) block as per approved drawing with R.C.C 1:2:4 and fixing it in yard complete in all respect with contractor men & materials.						
053	053	1500.00	Running Metre	52.31	78465.00	AT Par	78465.00
	<b>Description:-</b> Rolling of ballast with suitable type of mechanical roller (10 tonne) to obtain a compact and level surface of ballast already spread in formation along the track alignment complete in all respect as per engineer at site.						
054	054	500.00	Sqm	18.78	9390.00	AT Par	9390.00
	<b>Description:-</b> Levelling the undulations of formation formed due to movement of vehicles or otherwise and rolling to prepare even surface on top of formation with proper slope of both side of centre line of track before laying of track or spreading of ballast as directed by engineer in charge or his representative at site						
055	055	50.00	Each	2338.27	116913.50	AT Par	116913.50
	<b>Description:-</b> Erection of boundary pillar from released SH/broken sleeper in CC 1:3:6 foundation having size 0.6m x0.6mx1.0m with two coat of sythetic enamel paints, ER lettering in 3 direction of size 300mm (sleeper will be supplied by railway within 30m of track side) with all materials, tools and plants leading, crossing of track observing track safty, accent and decent complete in all respect with full satisfaction of engineer-in-charge.						
056	056	1000.00	Each	41.58	41580.00	AT Par	41580.00
	<b>Description:-</b> Spacing/re-spacing of sleeper and putting additional sleeper/removal of additional sleeper in railway track to achieve required sleeper density including recoupment of missing/worn out fiittings,greesing etc. complete in all respect as per direction of engineer-in-charge. Here Each in unit means Each/Sleeper						
057	057	300.00	Track metre	270.99	81297.00	AT Par	81297.00
	<b>Description:-</b> 300mm deep screening of track below bottom of sleeper. This includes opening of ballast, digging down below the sleeper screening and putting back the dame and includeing initial packing with screen ballast.						
058	058	6000.00	Per Sleeper	39.35	236100.00	AT Par	236100.00
	<b>Description:-</b> "Through packing of track as per IRPWM including rectification of long levels, cross levels, alignment, gauging, squaring, spacing etc., complete in all respect. NB : unit to be read as 'per sleeper/per packing"						
059	059	100.00	Metre	1200.59	120059.00	AT Par	120059.00

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059	<b>Description:-</b> Fabrication and fixing check rails 52/60kg for LC gate as per RDSO Drawing with contractor's own tools and plants including cutting, grinding, machining etc. with all lead, lift to and from store to site, stacking of released material, crossing of multiple tracks etc. within 100 mtr. Rails for making check rail will be supplied by Railway.						
	Please see Item Breakup for details.	184562.60	AT Par	184562.60			
060	<b>Description:-</b> Assisting to thermit welding of 60/52 Kg. rail joints and glued joints including supply of petrol and labour by SKV process under traffic block on running and filling/grinding of welded joints on top and both face. The rate also include provision of required gap by shifting the rails longitudinal, jimmcrowing the rail, adjustment of sleeper at joints, supporting of welded joints on wooden blocks for a minimum period of 3 days after welding, carrying of welding, carrying of welding materials and other accessories to the site of work from PWI's store and back to PWI's store by head head/trolley or by any means. The rate also include respacing of disturbed sleeper at welded joints as instructed by PWI including initial packing and also depositing released fittings at PWI's store, Trimming and grinding will be done by machine and equipments as per special condition No. 19 should be supplied by contractor free of cost etc.						
	061	100.00	Per Joint	2071.87	207187.00	AT Par	207187.00
061	<b>Description:-</b> Supply of AT Welding portion 60 kg/60E1, R-260 Grade with 60 kg (90 UTS) Rail joints / (60Kg/60E1) R-260 Grade with (60 Kg/60E1) R-260 Grade Rail joints with normal consumables for welding of R-260 Grade with 60 Kg (90UTS) /R-260 Grade with R-260 Grade Rail Joints Supply of AT welding portion for 25mm gap welding passed by RDSO including the following consumables with each portion (AS PER SINGLE SHOT CRUCIBLE METHOD):- (i) Prefabricated mould (ii) Ignition matches (iii) Closing pin (iv) Asbestos powder (v) Thimble (vi) Luting sand The rate includes transportation and unloading to the consignees store. The rate includes supply of 5% extra of above consumables with each batch of supply. The rate also includes the following consumable/asscessories with each 80 Nos. of portions or part thereof:- (i) Crucible with crucible cap (ii) Sodium silicate (1 Ltr.) & magnafied powder (5 Kg)						
062	Lump Sum			5429709.04	(-) 103.00	-162891.27	
	<b>Description :-</b> Excluding 3% ST/VAT etc.						
063	Lump Sum			948027.20	AT Par	948027.20	
	<b>Description :-</b> GST @ 18%						

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule B-Schedule B(NS Items)</b>							8444477.19	Above/ Below/Par
	001	225.00	cum	11041.00	2484225.00	AT Par	2484225.00	
001	<b>Description:-</b> RCC M-35 grade as per Rly's approved drawing and specification for construction of bridge sub structure / super structure / RCC jacketing of arch, pier, abutment etc. The rate includes design of concrete mix manufacture of concrete by batching plant, cost of form work includes erection and de-shuttering, placement of concrete using concrete pump / placing boom, compaction steel reinforcement cutting , bending and binding of reinforcement with binding wires and placing in proper position , curing of concrete upto specified period complete in all respect including all lead, lift, crossing road/track etc. The rate also includes cost of all ingredients of RCC in/c cement, sand, aggregate, admixture, labour, tools and plants etc. but excluding the cost of reinforcement. The contractor has to construct the approach road to the site at his own cost, if required, no extra payment will be made for this.							
	002	100.00	cum	10969.97	1096997.00	AT Par	1096997.00	
002	<b>Description:-</b> "RCC M-25 grade as per Rlys. Approved drawing & specification in flooring, wing wall, retaining wall curtain wall and drop wall. The rate includes designing of concrete mix, manufacture of concrete by concrete batching plant, cost of form work including erection & de-shuttering, batching plant, placement of concrete by concrete pump, compaction including cutting, bending & binding of reinforcements with binding wires & placing in proper position, curing of concrete upto specified period complete in all respect including all lead, lift, crossing road/track etc. The rate also includes cost of all ingredients including cement admixture, labour, tools, plants etc. Steel reinforcement supply will be paid separately. "							
	002	100.00	Hour	514.94	51494.00	AT Par	51494.00	
003	<b>Description:-</b> Assistance to Rly Crane working during day/night for removing of existing girder or placement of bridge slab over pier/abutment in traffic block by employing at least 16 labours for 8 hours shift. Labour should be at site till completion of the traffic block.							
	003	75.00	cum	923.52	69264.00	AT Par	69264.00	
004	<b>Description:-</b> Supply and spreading coarse sand in over RCC Box & foundation including compaction as approved by Railway Engineer at site.							
	005	600.00	Metre	285.85	171510.00	AT Par	171510.00	
005								

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006	006	50.00	cum	1550.63	77531.50	AT Par	77531.50	<b>Description:-</b> Supplying and driving 5" average dia hard wood ballah piling at site. The pile should be straight and from saf wood , roots etc. in/c two coats of coaltaring, the diameter of pile should be measured in 3 points i.e. top, bottom and middle length & average diameter should be 5" to 6" in/c trolleying the ballah upto one km (Minimum length of pile should be 6 mtr)
006	006							<b>Description:-</b> Supplying and placing in position back fill materials behind abutment, wing walls and return walls as per para 7.5 of bridge sub structure and foundation code with materials of GW, GP, SW groups as per IS-1498-1970 etc.
007	007	90.00	Hour	411.12	37000.80	AT Par	37000.80	<b>Description:-</b> Hiring charges for 5KVA DG Set including fuel lubrication oil operation and maintenance with lighting arrangement by 06 Nos. 500 Watt. Halogen fittings, complete and 4 Nos. F.L. fittings complete at any location. These items will be operated in night working at site during traffic block if required.
008	008	30.00	cum	1605.01	48150.30	AT Par	48150.30	<b>Description:-</b> Supplying and spreading of stone ballast of 50mm size over RCC box culvert during traffic block as per direction of Site in charge etc etc.
009	009	5000.00	Each	22.00	110000.00	AT Par	110000.00	<b>Description:-</b> Filling of ballast, sand stone dust etc into cement bag and placing the same as per direction of site in charge. The rate includes all lead, lift, decent, ascent ecto complete in all respect
010	010	10.00	Numbers	1993.30	19933.00	AT Par	19933.00	<b>Description:-</b> Supplying of gas including gas cutting equipment & other ancillary items. De-oxy-acetelence gas cylinder
011	011	10.00	cum	15881.85	158818.50	AT Par	158818.50	<b>Description:-</b> Cement concrete for CC M-25 grade cast IN SITU as per IS : 456-2000 using cement, coarse sand, stone chips of 20mm dia size as per IS -383 complete.
012	011	20.00	MT	118938.55	2378771.00	AT Par	2378771.00	<b>Description:-</b> Supply and fabrication of welded steel girder of FOB, Shed etc. as per approved drawing. The rate is inclusive of supply of steel section ( IS : 2062- E250BR/BO for plates and IS: 2062 - E250 A for Rolled structural section), testing of the material etc. The fabrication work to be carried out as per B1-2001 and welded bridge code. The rate shall also include the cost of loading and unloading, lead, lift etc etc required to carry out the work complete in all respects.
013	013	20.00	MT	20087.50	401750.00	AT Par	401750.00	<b>Description:-</b> Erection/ launching of newly assembled girder & Shed etc. and placement of the same on proper alignment, line and level with contractors labours, materials, tools & Plants etc.
014	014	200.00	Sqm	884.07	176814.00	AT Par	176814.00	<b>Description:-</b> Metallising of girder as per relevant IS Code. The rate includes sand blasting, primer coat and aluminising of the girder to required thickness as per Drg or bridge manual.
015	015	50.00	Each	1908.15	95407.50	AT Par	95407.50	<b>Description:-</b> Supply, fabrication & fixing of H.D. bolts of required length and dia as per approved drawing along with nuts , washer etc. The rate shall include grouting the holes with epoxy compound as per instruction of site incharge.The rate includes contractors men materials machineries etc.etc. required to complete the work in all respect.
016	Lump Sum				7377666.60	(-) 103.00	-221330.00	<b>Description :-</b> Excluding 3% ST/VAT etc.
017	Lump Sum				1288140.59	AT Par	1288140.59	<b>Description :-</b> GST @ 18%

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule C-Schedule C(Works Portion)</b>							36071950.76	Above/ Below/Par
001	Please see Item Breakup for details.				25372270.11	24.21	31514896.70	
	<b>Description:-</b> Works Portion USSOR Items							
002	Lump Sum				31514896.70	(-) 103.00	-945446.90	
	<b>Description :-</b> Excluding 3% ST/VAT etc.							
003	Lump Sum				5502500.96	AT Par	5502500.96	
	<b>Description :-</b> GST @ 18%							

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S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule D- SCH "D " ( USSOR -2011 ) (Supply of Reinforcement)</b>							10324010.15	Above/ Below/Par
001	Please see Item Breakup for details.				9019753.75	AT Par	9019753.75	
	<b>Description:-</b> Supply of Reinforcement							
002	Lump Sum				9019753.75	(-) 103.00	-270592.61	
	<b>Description :-</b> Excluding 3% ST/VAT etc.							
003	Lump Sum				1574849.01	AT Par	1574849.01	
	<b>Description :-</b> GST @ 18%							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule E-SCHEDULE 'E' (General Items)</b>							15007078.92	Above/ Below/Par
001	Please see Item Breakup for details.				10555671.42	24.21	13111199.47	
	<b>Description:-</b> General Items							
002	Lump Sum				13111199.47	(-) 103.00	-393335.98	
	<b>Description :-</b> Excluding 3% ST/VAT etc.							
003	Lump Sum				2289215.43	AT Par	2289215.43	
	<b>Description :-</b> GST @ 18%							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule A I- SCHEDULE - A -I (Works Portion)</b>							13662918.51	Above/ Below/Par
001	001	26200.00	cum	293.70	7694940.00	AT Par	7694940.00	
	<b>Description:-</b> Earth work in embankment for sub bank & minimum slope of 2:1, making of cess as per approved drawing & filling up of borrowpit with borrowed earth from out side Railway land in all kinds of soil ( except black cotton soil ) as per direction of site in charge with all lead, lift, crossing of track, braking clods, cleaning jungle, dressing surface before start of the work, benching slopes including cleaning ballast from cess, compaction upto desired density complete in all respect.							
002	002	3000.00	cum	1413.97	4241910.00	AT Par	4241910.00	
	<b>Description:-</b> Supplying at site approved quality of blanketing materials (stone dust) as per RDSO'S Specification 7 laying the same in layers not more than 250 mm thick. Each in loose state before compaction on top of newly constructedv embankment upto the rewquired thickness of blanket as per direction of Engineer in charge , compacting each layer of blanket material byb mechanical means to required specifications of RDSO & profiles including all lead,lift, crossing of track/road etc. The cost also includes compaction ,watering, cost of all laboratory establishment and taste of samples as necessary including taxes , royalties and incidental charges.							
003	Lump Sum				11936850.00	(-) 103.00	-358105.50	
	<b>Description :-</b> Excluding 3% ST/VAT etc.							
004	Lump Sum				2084174.01	AT Par	2084174.01	
	<b>Description :-</b> GST @ 18%							

**3. ITEM BREAKUP**

S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
<b>Schedule</b> Schedule A- SCHEDULE - A (P.way Portion)						
<b>Item- 021</b> Through packing of B.G. Track and other elements of track on any type of sleepers to specified tolerance as per IRPWM para 224 to complete the work in all respect. Note :- The work includes : i) If packing is to be done more than one round ,the quantity shall be modified accordingly. ii) After packing track should be fit for specified speed as directed by engineer-in charge. iii) Engineer in-charge will give specific instruction for round of packing to be done in writing.						
1	01	Derailing/Trap Switch Here Set means SetRound	Set	16.00	1267.73	20283.68
2	002	1 in 12 assembly on concrete sleeper Here Set means SetRound	Set	16.00	6140.15	98242.40
					<b>Total</b>	<b>118526.08</b>

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<b>Item- 022</b>	Slewing of track/realignment of curve to achieve specified alignment, gauge, level etc. complete in all respect within/without traffic block. Note: - The work include i) One round of through packing after slewing to make the track fit for movement of traffic . ii) Opening of track complete as per direction of Engineer at site. iii) Collecting,picking and spreading of ballast as per new alignment					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	01	Slew upto 300 mm	Track metre	500.00	67.08	33540.00
2	02	Slew upto 600 mm	Track metre	500.00	79.16	39580.00
3	03	Slew upto 1000 mm	Track metre	500.00	95.25	47625.00
					<b>Total</b>	<b>120745.00</b>
<b>Item- 023</b>	Lifting of BG track and other track element on any type of sleepers as per IRPWM para 224 to specified tolerance complete in all respect. Note :- After lifting work track should be fit for 20 KMPH speed.					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	01	Standard BG track upto 150mm.	Track metre	500.00	56.34	28170.00
2	02	Points & crossings 1 in 12	Set	4.00	5934.89	23739.56
3	03	Points & crossings 1 in 8.5	Set	2.00	4732.77	9465.54
					<b>Total</b>	<b>61375.10</b>
<b>Item- 024</b>	Unloading 52Kg/60Kg rail, sleeper and other p.way items from all type of wagons under block protection. NOTE:- i) After unloading the materials should be stacked if required within the free lead of 100M clearing all infringement of traffic. ii)During unloading no material should obstruct track and traffic movement. iii)The contractor shall engage sufficient men to do the work during block period as directed by site Engineer at day /night. iv)The contractor shall engage men to watch and ensure safty of men as well as railway traffic. v) Unloading may be done beyond the jurisdiction of this contract also if required by Railway.					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	01	Single rail	Metre	260.00	9.39	2441.40
2	02	10 / 20 rail panel	MT	200.00	135.49	27098.00
3	03	Ordinary P.S.C sleeper	Numbers	2800.00	33.53	93884.00
					<b>Total</b>	<b>123423.40</b>
<b>Item- 025</b>	Unloading 52Kg/60Kg rail, sleeper and other p.way items from all type of wagons without block protection. NOTE:- i) After unloading the materials should be stacked if required within the free lead of 100M clearing all infringement of traffic. ii)During unloading no material should obstruct track and traffic movement. iii)The contractor shall engage sufficient men to do the work during block period as directed by site Engineer at day /night. iv)The contractor shall engage men to watch and ensure safty of men as well as railway traffic. v) Unloading may be done beyond the jurisdiction of this contract also if required by Railway.					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	01	Single rail	Metre	30.00	9.39	281.70
2	02	Ordinary P.S.C sleeper	Numbers	200.00	8.05	1610.00
3	03	P.S.C sleepers for points and crossing	Each	90.00	52.31	4707.90
					<b>Total</b>	<b>6599.60</b>
<b>Item- 028</b>	Transportation of P.Way items by truck/tractor/trailor small fittings, rail, ordinary/special sleepers, switch, crossings, glued Joints and other P.Way fittings etc. Note:- i) Loading unloading and stacking with a free lead of 300M including lifting (ascend & descend), crossing of multiple tracks & road. ii) Rate shall include of Ocry, tax etc. iii) Payment of transportation upto 25 KM will be paid against item no. (a) above, lead in excess of 25 KM upto 60 KM will be paid against item no. (b) above, lead in excess of 60 KM upto 200 KM will be paid against item no. (c) and only lead in excess of 200 KM will be paid against item (d). iv) Transportation may be done beyond the jurisdiction of this contract also.					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	01	Lead upto 25KM.	MT-Km	8000.00	20.12	160960.00
2	02	Lead more than 25 KM but less than / equal to 60 KM.	MT-Km	16000.00	16.10	257600.00
3	03	Lead more than 60 KM but less than / equal to 200 KM.	MT-Km	24000.00	4.02	96480.00
4	04	Lead more than 200KM.	MT-Km	35000.00	2.68	93800.00

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						<b>Total</b>	<b>608840.00</b>	
<b>Item- 029</b>	Trolleying / leading P.Way items i.e. rails, sleepers upto 1KM by contractors dip lorry/dolly including lead upto 30mtrs. Crossing any nos. of tracks with or without block protection.							
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>		
1	01	90R/52kg/60kg rail	Metre	150.00	8.05	1207.50		
2	02	Ordinary/bridge/Level Crossing PSC sleepers	Each	300.00	44.27	13281.00		
3	03	Special size concrete sleepers (Fan Shape)	Each	200.00	72.45	14490.00		
						<b>Total</b>	<b>28978.50</b>	
<b>Item- 060</b>	Assisting to thermit welding of 60/52 Kg. rail joints and glued joints including supply of petrol and labour by SKV process under traffic block on running and filling/grinding of welded joints on top and both face.The rate also include provision of required gap by shifting the rails longitudinal,jimcrowing the rail, adjustment of sleeper at joints,supporting of welded joints on wooden blocks for a minimum period of 3 days after welding,carrying of welding,carrying of welding materials and other accessories to the site of work from PWI's store and back to PWI's store by head head/trolley or by any means.The rate also include respacing of disturbed sleeper at welded joints as instructed by PWI including initial packing and also depositing released fittings at PWI's store,Trimming and grinding will be done by machine and equipments as per special condition No. 19 should be supplied by contractor free of cost etc.							
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>		
1	01	Upto Two Joint per day	Per Joint	10.00	4634.58	46345.80		
2	02	Three Joint per day	Per Joint	20.00	3859.81	77196.20		
3	03	More than Three Joint per day	Per Joint	20.00	3051.03	61020.60		
						<b>Total</b>	<b>184562.60</b>	
<b>Schedule</b>	Schedule C-Schedule C(Works Portion)							
<b>Item- 001</b>	Works Portion USSOR Items							
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>		
		Earth work in excavation as per approved drawings and dumping at embankment site or spoil heap, within railway land, including 50m lead and 1.5m lift, the lead to be measured from the centre of gravity of excavation to centre of gravity of spoil heap: the lift to be measured from natural ground level and paid for in layers of 1.5m each, including incidental work, as per specifications-in						
1	011011	All kinds of soils	cum	6600.00	88.16	581856.00		
2	011040	Extra for manual compaction of earthwork, where permitted, with rammers	cum	1000.00	8.16	8160.00		
3	012010	Extra over item 011010 for excavation in foundations for buildings and bridges to cover dressing to neat dimension and plumbing sides etc. Note : Dressing under this item is payable for the total quantity of excavation in foundation and not partly	cum	1000.00	9.20	9200.00		
4	012050	Supplying and filling sand in plinth and under floors including watering, ramming, consolidating and dressing complete	cum	580.00	359.67	208608.60		
		Open timbering in trenches for foundations and shafts, wells, cesspits, manholes, underground tanks & the like - including strutting and shoring complete :						
5	012072	Depth exceeding 1.5m but not exceeding 3m	Sqm	250.00	84.09	21022.50		
6	013130	Extra for mechanical compaction of earth/blanketing material filled in embankment with contractor's rollers of suitable capacity, type and size to achieve specified density as per specification, testing as per IS codes incl. cost of water, T&P consumable material and all labour as a complete job. The work is to be executed as per Latest edition of "Guidelines for Earthwork in Railway Projects" issued by RDSO, Lucknow	cum	10000.00	16.33	163300.00		

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7	014090	Earth work in embankment from Railway land for repairing of cess/formation/level crossing, rain cuts etc. to make the surface to the desired level and slope to the entire satisfaction of Engineer-in-charge. The rate will include free lead upto 200 M, all lifts, descends, ascends, crossing of track/road/nallah etc. including breaking of clods etc and compaction by rollers/rammers/temping rods etc. Note - This item is only to be paid when specially ordered in writing.	cum	2200.00	76.71	168762.00
8	021510	Hiring of JCB Machine (in good working condition) for leveling and dressing ground / dismantling structures including disposal of debris through dumpers etc. with contractor's labour, JCB machine, machine operator, fuel, etc. The contractor shall arrange road permit for vehicle for all the States of operation, as per instructions of engineer in-charge and vehicle shall not be more than three years old. Payment shall be made for actual working hours at site.	Hour	200.00	1061.27	212254.00
		Providing and laying in position cement concrete of specified proportion excluding cost of cement, centering and shuttering - All works upto Plinth level :				
9	031012	1:3:6 (1 cement : 3 sand : 6 graded stone aggregate 40mm nominal size)	cum	15.00	2002.39	30035.85
		Providing and laying cement concrete, up to plinth in retaining walls, walls (any thickness) including attached plasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets etc, excluding the cost of cement and of shuttering, centering.				
10	031023	1:2:4 (1 cement : 2 sand : 4 graded stone aggregate 20mm nominal size)	cum	625.00	2325.34	1453337.50
		Centering and shuttering including strutting, propping etc. and removal of form work for :				
11	031061	Foundations, footings, bases of columns	Sqm	125.00	146.28	18285.00
12	031062	Retaining walls, return walls, walls (any thickness) including attached plasters, buttresses, plinth and string courses fillets etc.	Sqm	50.00	238.97	11948.50
		Supply and using cement at worksite :				
13	033062	OPC 53 grade	Tonne	1094.00	7360.00	8051840.00
14	033063	PPC	Tonne	182.00	6842.50	1245335.00
		Providing and laying in position M 20 Grade concrete for reinforced concrete structural elements but excluding cost of centering, shuttering, reinforcement and Admixtures in recommended proportion (as per IS:9103) to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer in charge				
15	041011	All work upto plinth level, including raft foundation of washable aprons, HS tank, pile cap, footings of FOB, and Platform shelter etc.	cum	240.00	2732.49	655797.60
		Centering and shuttering including strutting, propping etc. and removal of form for :				
16	042012	Walls (any thickness) including attached plasters, buttresses, plinth and string courses etc.	Sqm	50.00	239.00	11950.00
17	042013	Suspended floors, roofs, landings, balconies, FOB slabs, walkway slabs and access platform	Sqm	75.00	234.36	17577.00

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		Providing, hoisting and fixing in position upto floor two level M20 Grade precast RCC work including setting in cement mortar 1:3 (1 cement : 3 coarse sand) and finishing smooth with 6mm thick cement plaster 1:3 (1 cement : 3 fine sand) on exposed surfaces complete including cost of centering, shuttering, finishing, Admixtures in recommended proportion (as per IS:9103) to accelerate, retard setting of concrete, improve workability without impairing strength and durability, excluding cost of cement and steel reinforcement, as per approved plan & direction of Engineer incharge.				
18	043011	In string courses, bands, coping, bed plates, anchor blocks, plain window sills, and the like	cum	315.00	3106.52	978553.80
19	043015	In slabs for drain covers, manhole covers, flue tops etc.	cum	83.00	3223.38	267540.54
20	043020	Providing, hoisting and fixing in position M25 Grade Reinforced cement concrete in Precast standard Platform wall sections, including the cost of centering, shuttering, finishing, Admixtures in recommended proportion (as per IS 9103) to accelerate, retard setting of concrete, improve workability without impairing strength and durability but excluding the cost of cement and steel reinforcement, as per approved plan & as per direction of the Engineer incharge.	cum	720.00	3021.29	2175328.80
		Brick work with non-modular (FPS) bricks of class designation 7.5 in foundation and plinth in :				
21	051014	Cement mortar 1:4 (1 cement : 4 fine sand)	cum	165.00	2208.57	364414.05
22	051018	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	80.00	2206.10	176488.00
		Brick work with modular bricks of class designation 7.5 in foundation and plinth in :				
23	051025	Cement Mortar 1:4 (1 cement : 4 coarse sand)	cum	30.00	2659.29	79778.70
		Structural steel work welded in built up sections, trusses and framed work, girders, stagings, racks, etc including cutting, bending, straightening, hoisting, fixing in position, including applying a priming coat of approved steel primer, complete - upto 6m height above GL				
24	081031	In RSJ, tees, angles and channels	Kg	10000.00	100.34	1003400.00
25	081032	In flats, plates , round or square bars	Kg	2000.00	97.88	195760.00
26	081050	Erecting roof trusses, tank stagings, steel tanks etc. including rivetting for work upto 10m height above GL	Quintal	120.00	226.26	27151.20
		Providing hand packed dry flat brick flooring, class designation 7.5 (FPS Bricks), excluding pointing with joints filled with sand over a bed of dry sand (ordinary)of average thickness 25 mm including ramming sub grade :				
27	091032	Flat brick	Sqm	1215.00	171.16	207959.40
		Providing and laying plain cement concrete flooring of specified thickness with mix design concrete over firm, well prepared and well compacted bed including provision of designed expansion joint & finishing manually or mechanical trowel ling & vacuum dewatering complete. Expansion joint to be paid for separately.				
28	092062	M-25	cum	990.00	2841.02	2812609.80
		Providing & fixing Precast Chequered tiles conforming to IS:13801:1993, manufactured under mechanical vibration & hydraulic pressing machine in double layer; top layer of 10 to 12 mm thickness of Dolomite Powder, graded chips, fibre and UV stabilised iron oxide Lanexess colour and bottom layer of 1:3 CC mixed with galvanised steel fibre of approved quality, jointed with neat cement slurry mixed with pigment to match shade of tiles including rubbing and cleaning etc. complete on 20mm thick bed of cement mortar 1:4 of sizes :				
29	094062	300mm x 300mm x 30mm thick	Sqm	720.00	646.93	465789.60

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		Kota stone slab flooring of size up to 30x30cm over 20mm (average) thick base of 1:4 cement mortar (1cement: 4coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete				
30	096061	20 mm thick	Sqm	2000.00	1171.92	2343840.00
		Providing and fixing on wall face unplasticised - Rigid PVC single socketed rain water pipes conforming to IS: 13592 Type A including jointing with seal ring conforming to IS: 5382 leaving 10mm gap for thermal expansion.				
31	108162	110mm dia.	Metre	30.00	232.69	6980.70
		Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised- Rigid PVC rain water pipes conforming to IS: 13592 Type A including jointing with seal ring conforming to IS: 5382 leaving 10mm gap for thermal expansion.				
32	108178	Single tee without door, 110x110x110mm	Each	8.00	393.77	3150.16
		Providing and fixing on wall face unplasticised - PVC moulded bend and shoe for unplasticised-Rigid PVC rain water pipes conforming to IS:13592 Type A including jointing with seal ring conforming to IS:5382 leaving 10mm gap for thermal expansion				
33	108182	Bend 87.5o, 110mm dia bend	Each	16.00	214.46	3431.36
34	109200	Providing and fixing permanently colour coated trapezoidal profiled sheet of depth 28-30mm at 195-205mm pitch distance with precisely engineered 'Rib & Flute" design. Profiled sheets shall be min. 0.5mm TCT/0.45mm BMT high tensile zinc aluminium alloy coated zinalume / galvalume steel sheet (550 mpa yield strength) having a coating of mass of 150 gsm zinc-aluminium coating AZ-150 total on both sides as per, AS 1397:1993 finished with 20 microns approved colour coating of Silicon Modified Polyester (SMP) / Super Polyester paint coat on exposed surface over a primer coat of 5 microns and a back coat of 5 microns on reverse side over a 5 microns primer coat. There shall be 2 small ribs/square flutes between profiles for providing additional strength. The sheet to be fixed over the purlins with hexagonal head self drilling suitable fasteners with neoprene / EPDM washer on crests of the sheet	Sqm	330.00	734.20	242286.00
		Providing and fixing of plain formed flashing at ridges / cover / corner / barge pieces / apex junctions of roofing and cladding made of polyester colour GI sheets 0.52 mm thick in required shape colour, duly fixed with stitching screws (with EPDM washers etc. as per site requirement				
35	109251	Upto 600 mm width (girth)	Running Metre	30.00	430.77	12923.10
		12 mm cement plaster of mix -				
36	111012	1:6 (1cement: 6fine sand)	Sqm	5300.00	62.44	330932.00
		15 mm cement plaster on the rough side of single or half brick wall of mix -				
37	111052	1:6 (1cement: 6coarse sand)	Sqm	1400.00	74.60	104440.00
38	111090	12 mm cement plaster 1:3 (1cement: 3coarse sand) finished with a floating coat of neat cement	Sqm	60.00	78.37	4702.20
		White washing with lime to give an even shade				
39	115011	New work (three or more coats)	Sqm	100.00	10.39	1039.00
		Painting with aluminium paint of approved brand and manufacture to give an even shade				
40	121091	Two or more coats on new work	Sqm	1000.00	42.42	42420.00
		Demolishing plain cement concrete including disposal of material within 50m lead				
41	181021	1:2:4 or richer mix with max. 20 mm coarse aggregate	cum	15.00	448.29	6724.35

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42	181030	Demolishing R.C.C. work including cutting and stacking of steel bars and disposal of unserviceable material within 50m lead. (Extra payment for scraping, cleaning and straightening of bars to be made separately)	cum	10.00	654.01	6540.10
		Demolishing brick work including stacking of serviceable material and disposal of unserviceable material within 50m lead				
43	182013	In cement mortar	cum	10.00	378.50	3785.00
		Earth work in excavation for foundations and floors of the bridges, retaining walls etc., including setting out, dressing of sides, ramming of bottom, getting out the excavated material, back filling in layers with approved material and consolidation of the layers by ramming and watering etc. incl. all lift, disposal of surplus soil upto a lead of 300 M, all types of shoring and strutting with all labour and material complete as per drawing and technical specification as directed by Engineer in charge				
44	192011	All kinds of soils	cum	500.00	316.31	158155.00
45	192050	Providing and laying in position machine mixed, machine vibrated and machine batched Design Mix Cement Concrete M20 grade (Cast - in Situ) using 20 mm graded crushed stone aggregate and coarse sand of approved quality in Abutment, pier, wing walls and return walls of Mass cement concrete above RCC raft Including finishing complete as per specifications and direction of the Engineer in charge. Payment for cement, reinforcement and shuttering shall be paid extra	cum	105.00	2178.24	228715.20
46	221050	Providing and laying Pitching with stone boulders weighing not less than 35 kg each with the voids filled with spalls on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per drawing and Technical specifications (Filter media to be paid separately under the relevant item)	cum	225.00	1080.90	243202.50
47	222300	Dewatering of natural or accumulated water from any location. Payment to be done for Horse power of pump multiplied by pumping hours	HP Hour	200.00	24.80	4960.00
					<b>Total</b>	<b>25372270.11</b>
<b>Schedule</b>	Schedule D- SCH "D " ( USSOR -2011 ) (Supply of Reinforcement)					
<b>Item- 001</b>	Supply of Reinforcement					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
		Supplying Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
1	045016	Thermo-Mechanically Treated bars	Kg	50000.00	69.36	3468000.00
2	252280	Twisted steel / deformed bars Gr. Fe 500 (TMT Bars or HYSD Bars.)upto 12mm dia	Quintal	505.58	5530.73	2796226.47
3	252290	Twisted steel / deformed bars Gr. Fe 500 (TMT Bars or HYSD Bars.) over 12mm dia	Quintal	505.58	5450.23	2755527.28
					<b>Total</b>	<b>9019753.75</b>
<b>Schedule</b>	Schedule E-SCHEDULE 'E' (General Items)					
<b>Item- 001</b>	General Items					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
		Earth work in excavation as per approved drawings and dumping at embankment site or spoil heap, within railway land, including 50m lead and 1.5m lift, the lead to be measured from the centre of gravity of excavation to centre of gravity of spoil heap: the lift to be measured from natural ground level and paid for in layers of 1.5m each, including incidental work, as per specifications-in				

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1	011011	All kinds of soils	cum	240.00	88.16	21158.40
2	012050	Supplying and filling sand in plinth and under floors including watering, ramming, consolidating and dressing complete	cum	900.00	359.67	323703.00
		Providing and laying cement concrete, up to plinth in retaining walls, walls (any thickness) including attached plasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets etc, excluding the cost of cement and of shuttering, centering.				
3	031023	1:2:4 (1 cement : 2 sand : 4 graded stone aggregate 20mm nominal size)	cum	20.00	2325.34	46506.80
		Supply and using cement at worksite :				
4	033063	PPC	Tonne	303.48	6842.50	2076561.90
		Providing and laying in position M 20 Grade concrete for reinforced concrete structural elements but excluding cost of centering, shuttering, reinforcement and Admixtures in recommended proportion (as per IS:9103) to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer in charge				
5	041011	All work upto plinth level, including raft foundation of washable aprons, HS tank, pile cap, footings of FOB, and Platform shelter etc.	cum	240.00	2732.49	655797.60
6	041012	All work in buildings above plinth level upto floor two level.	cum	320.00	3004.22	961350.40
		Centering and shuttering including strutting, propping etc. and removal of form for :				
7	042011	Foundations, footings, bases of columns, raft foundation of washable aprons, Pile caps, Footings of FOB etc.	Sqm	100.00	145.90	14590.00
8	042014	Lintels, beams, plinth beams, bed blocks, girders, bressumers and cantilevers	Sqm	600.00	208.55	125130.00
9	042015	Columns, pillars, , posts and struts	Sqm	300.00	297.00	89100.00
		Brick work with non-modular (FPS) bricks of class designation 7.5 in foundation and plinth in :				
10	051018	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	775.00	2206.10	1709727.50
		Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. all complete				
11	074232	Fixed to opening/ wooden frames with rawl plugs screws etc.	Kg	3000.00	88.09	264270.00
12	078130	Providing and fixing factory made P.V.C. door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet mitered at corners and joined with 2 Nos. of 150mm long brackets of 15x15mm M.S. square tube, the vertical door profiles to be reinforced with 19x19mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100mm size complete as per manufacturers specification and direction of Engineer-in-Charge	Metre	68.00	486.05	33051.40
13	078140	Providing and fixing to existing door frames 30mm thick factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x 19mm for styles and 15x15mm for top & bottom rails. M.S. frame shall have a coat of steel primers. M.S. frame covered with 5mm thick heat moulded PVC Foam sheet 'C channel as per drawing given in IR Standard Specifications complete in all respect	Sqm	20.00	3090.66	61813.20

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14	078320	Providing and fixing 30 mm thick glass fibre reinforced (FRP) panelled door shutter of required colour and approved brand and manufacture, made with fire retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for farming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5 mm thick FRP laminate for panels and conforming to (IS:14856-2000) complete work	Sqm	84.00	3143.50	264054.00
15	078330	Providing and fixing 30 mm thick fibre glass reinforced (FRP) flush door shutter in different plain and wood finish made with fire retardant grade unsaturated polyester resin moulded to 3 mm thick FRP laminate all around, with suitable wooden blocks inside at required places for fixing of fittings and ployurethane foam (PUF)/Polystyrene foam to be used as filler material throughout the hollow panel, casted monolithically with test parameters of F.R.P. laminate conforming to Table 3 of IS 14856:2000, complete as per directions of Engineer Incharge	Sqm	200.00	3533.94	706788.00
		Providing and fixing anodised aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS:733 and IS:1285, anodised transparent or dyed to required shade according to IS:1868 (Minimum anodic coating of grade AC 15), fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitered and jointed mechanically wherever required including cleat angle. Aluminium snap beading for glazing/panelling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing and panelling to be paid for separately)				
16	082011	For fixed portion	Kg	600.00	494.56	296736.00
17	082012	For openable/sliding portions and fixing hinges / pivots, PVC/ neoprene gasket required and making provision for fixing of fittings. (Fittings shall be paid for separately)	Kg	600.00	514.02	308412.00
		Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item)				
18	082032	With float/frosted glass panes of 5.5mm thickness (weight not less than 13.75 kg/sqm)	Sqm	150.00	1030.01	154501.50
		Providing hand packed dry flat brick flooring, class designation 7.5 (FPS Bricks), excluding pointing with joints filled with sand over a bed of dry sand (ordinary)of average thickness 25 mm including ramming sub grade :				
19	091032	Flat brick	Sqm	200.00	171.16	34232.00
		Cement concrete flooring 1:2:4 (1cement: 2coarse sand: 4graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete				
20	092011	25mm thick with 12.5mm nominal size stone aggregate	Sqm	62.00	106.38	6595.56
		Providing and fixing 1st quality ceramic tiles conforming to Group B-III (Ceramic Wall Tiles) of IS:15622 of manufacturers approved by railway in all colours, shades, and design as approved by the Engineer-in-Charge in skirting, risers of steps and dado over 12mm thick bed of cement mortar 1:3 (1cement: 3coarse sand) including pointing in white cement mixed with pigment of matching shade complete				
21	095012	200x300 mm	Sqm	160.00	673.17	107707.20

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		Providing and fixing ceramic tiles conforming to IS:15622 of manufacturers approved by railway in all colours, shades, design and abrasion resistance class as approved by the Engineer-in-Charge in floors and landings over 20mm thick bed of cement mortar 1:4 (1cement: 3coarse sand) including pointing in white cement mixed with pigment of matching shade complete				
22	095021	Of Group B-II Clause 5.1 (for abrasion resistance) of IS:15622 (Ceramic Floor Tiles) of size 300x300mm	Sqm	120.00	587.06	70447.20
23	095026	Of Group B-I-a of IS : 15622 (Vitrified tiles) of size above 400x400mm upto 600x600 mm	Sqm	980.00	1102.32	1080273.60
		Providing and fixing on wall face unplasticised - Rigid PVC single socketed rain water pipes conforming to IS: 13592 Type A including jointing with seal ring conforming to IS: 5382 leaving 10mm gap for thermal expansion.				
24	108162	110mm dia.	Metre	240.00	232.69	55845.60
		Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised- Rigid PVC rain water pipes conforming to IS: 13592 Type A including jointing with seal ring conforming to IS: 5382 leaving 10mm gap for thermal expansion.				
25	108176	Single tee with door, 110x110x110mm	Each	20.00	393.77	7875.40
		Providing and fixing on wall face unplasticised - PVC moulded bend and shoe for unplasticised-Rigid PVC rain water pipes conforming to IS:13592 Type A including jointing with seal ring conforming to IS:5382 leaving 10mm gap for thermal expansion				
26	108182	Bend 87.5o, 110mm dia bend	Each	50.00	214.46	10723.00
		12 mm cement plaster of mix -				
27	111012	1:6 (1cement: 6fine sand)	Sqm	5520.00	62.44	344668.80
		15 mm cement plaster on the rough side of single or half brick wall of mix -				
28	111022	1:6 (1cement: 6 fine sand)	Sqm	3720.00	71.55	266166.00
		Cement plaster to ceiling of mix -				
29	111151	6 mm thick 1:3 (1cement: 3 fine sand)	Sqm	980.00	55.56	54448.80
		Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade				
30	115042	New work (two or more coats of distemper) over and including priming coat with distemper primer	Sqm	1800.00	63.25	113850.00
31	115110	Finishing walls with water proofing cement paint of required shade two or more coats on new work applied @ 3.84 Kg/10 sqm	Sqm	1100.00	41.76	45936.00
		Painting with synthetic enamel paint of approved brand and manufacture to give an even shade				
32	121051	Two or more coats on new work	Sqm	3720.00	50.45	187674.00
		Providing and fixing white, vitreous china water closet squatting pan (Indian type)				
33	151122	Orissa pattern W.C. pan of size 580x440mm	Each	7.00	1375.29	9627.03
		Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS: 7231, with all fittings and fixtures complete				
34	151181	10 litre capacity- white	Pair	7.00	917.29	6421.03
35	154010	Providing and fixing 110mm dia PVC soil, waste and vent pipes including jointing and cost of spun yarn and sand etc. complete	Metre	150.00	266.19	39928.50
					<b>Total</b>	<b>10555671.42</b>

**4. ELIGIBILITY CONDITIONS**

**Special Financial Criteria**

**HOWRAH DIVISION-GATI SHAKTI/EASTERN RLY  
TENDER DOCUMENT**

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S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Financial Eligibility Criteria: Advance Correction Slip No. 1) Ref: 2022/cei/ct/gcc2022/policy dated- 14.07.2022) A. Para 10.2., Part I of GCC shall be read as under: The tenderer must have minimum average annual contractual turnover of V/N or 'V' whichever is less; where V= Advertised value of the tender in crores of Rupees N= Number of years prescribed for completion of work for which bids have been invited. The average annual contractual turnover shall be calculated as an average of "total contractual payments" in the previous three financial years, as per the audited balance sheet. However, in case balance sheet of the previous year is yet to be prepared/ audited, the audited balance sheet of the fourth previous year shall be considered for calculating average annual contractual turnover under: Financial Eligibility Criteria: Advance Correction Slip No. 1) Ref: 2022/ce-i/ct/gcc-2022/policy dated- 14.07.2022) A. Para 10.2., Part I of GCC shall be read as under: The tenderer must have minimum average annual contractual turnover of V/N or 'V' whichever is less; where V= Advertised value of the tender in crores of Rupees N= Number of years prescribed for completion of work for which bids have been invited. The average annual contractual turnover shall be calculated as an average of "total contractual payments" in the previous three financial years, as per the audited balance sheet. However, in case balance sheet of the previous year is yet to be prepared/ audited, the audited balance sheet of the fourth previous year shall be considered for calculating average annual contractual turnover under: The tenderers shall submit requisite information as per Annexure-XIV (as per tender document & NIT), along with copies of Audited Balance Sheets duly certified by the Chartered Accountant/ Certificate from Chartered Accountant duly supported by Audited Balance Sheet.	No	No	Allowed (Mandatory)

**Special Technical Criteria**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	ELIGIBILITY CRITERIA (FOR TENDERS OF VALUE ABOVE RS. 50 LAKHS) : (a)The tenderer must have successfully completed or substantially completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: Three similar works each costing not less than the amount equal to 30% of advertised value of the tender, or Two similar works each costing not less than the amount equal to 40% of advertised value of the tender, or One similar work each costing not less than the amount equal to 60% of advertised value of the tender. (b)(i) In case of tenders for composite works (e.g. works involving more than one distinct component, such as Civil Engineering works, S&T works, Electrical works, OHE works etc. and in the case of major bridges - substructure, superstructure etc.), tenderer must have successfully completed or substantially completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: Three similar works each costing not less than the amount equal to 30% of advertised value of each component of tender, or Two similar works each costing not less than the amount equal to 40% of advertised value of each component of tender, or One similar work each costing not less than the amount equal to 60% of advertised value of each component of tender. Note for (b) (i): Separate completed works of minimum required values shall also be considered for fulfillment of technical eligibility criteria for different components (b) (ii) In such cases, what constitutes a component in a composite work shall be clearly pre-defined with estimated tender cost of it, as part of the tender documents without any ambiguity. (b) (iii) To evaluate the technical eligibility of tenderer, only components of work as stipulated in tender documents for evaluation of technical eligibility, shall be considered. The scope of work covered in other remaining components shall be either executed by tenderer himself if he has work experience as mentioned in clause 7 the Standard General Conditions of Contract or through subcontractor fulfilling the requirements as per clause 7 of the Standard General Conditions of Contract or jointly i.e., partly himself and remaining through subcontractor, with prior approval of Chief Engineer in writing. However, if required in tender documents by way of Special Conditions, a formal agreement duly notarised, legally enforceable in the court of law, shall be executed by the main contractor with the subcontractor for the component(s) of work proposed to be executed by the subcontractor(s), and shall be submitted along with the offer for considering subletting of that scope of work towards fulfillment of technical eligibility. Such subcontractor must fulfill technical eligibility criteria as follows: The subcontractor shall have successfully completed at least one work similar to work proposed for subcontract, costing not less than 35% value of work to be subletted, in last 5 years, ending last day of month previous to the one in which tender is invited through a works contract.	No	No	Allowed (Mandatory)

**Special Technical Criteria**

**HOWRAH DIVISION-GATI SHAKTI/EASTERN RLY  
TENDER DOCUMENT**

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S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Note for Item 10.1 of GCC 2022: Work experience certificate from private individual shall not be considered. However, in addition to work experience certificates issued by any Govt. Organisation, work experience certificate issued by Public listed company having average annual turnover of Rs 500 crore and above in last 3 financial years excluding the current financial year, listed on National Stock Exchange or Bombay Stock Exchange, incorporated/registered at least 5 years prior to the date of closing of tender, shall also be considered provided the work experience certificate has been issued by a person authorized by the Public listed company to issue such certificates. In case tenderer submits work experience certificate issued by public listed company, the tenderer shall also submit along with work experience certificate, the relevant copy of work order, bill of quantities, bill wise details of payment received duly certified by Chartered Accountant, TDS certificates for all payments received and copy of final/last bill paid by company in support of above work experience certificate.	No	No	Allowed (Mandatory)

**Special Technical Criteria**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Definition of Similar nature of works: " Execution of earth work in formation with mechanical compaction and construction of minor bridge and execution of P.Way works."	No	No	Allowed (Mandatory)

**Submission of Document Verification Certificate**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Please submit a certificate in the prescribed format (please download the format from the link given below) for verification / confirmation of the documents submitted for compliance of eligibility / qualifying criteria. Non submission of the certificate, or submission of certificate either not properly filled in, or in a format other than the prescribed format shall lead to summary rejection of your offer. ( <a href="#">Click here</a> to download the Format of Self Certificatio)	No	No	Allowed (Mandatory)

**5. COMPLIANCE**

**Check Lst**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	A. Documents to be uploaded only in the website by the Tenderer Following Annexures duly filled and signed are to be uploaded online only prior to Closing of Tender. Original copy of all the documents to be submitted to office within 7 days whenever demanded by the Railway. Annexures are available at Upload/View Document menu in Home Page of IREPS portal for works tender. 1. The details of the works completed by the tenderer during the last Seven years to be filled in Annexure-I. 2. The details of Plants and Machinery with the tenderer to be filled in Annexure- II. 3. Details of Personnel and Organization of the Tenderer to be filled in Annexure-III. 4. Details of Works presently on hand of the Tenderer to be filled in Annexure- IV.5.Format for Certificate to be uploaded by Tenderer Along with the tender documents Annexure-V.6.Bid Capacity Declaration Annexure-VI.6A.Bid Security declaration AnnexureVIA.6B.Annual Contractual Turnover Data Declaration AnnexureVIB.7. The details regarding Association of Railway Officer s with the tenderer to be filled in Annexure- VII.8.List of the Arbitration cases of the Tenderer during last Five years to be filled in Annexure-VIII.9.List of the Court cases of the Tenderer during last Five years to be filled in Annexure-IX.10.NEFT MANDATE FORM. All Payments to the agency including the refund of the Earnest Money of the unsuccessful bidder preferably will be remitted through NEFT. The Tenderer is required to submit Bank details and Account No. etc. in AnnexureX.11.Document of Authoriztion Annexure XI.12. GST COMPLAINT INVOICE Annexure-XII.	No	No	Not Allowed
2	The tender offer complete in all respect and with all documents is to be submitted online by e-tendering process through the website www.ireps.gov.in before the closing time/date of this tender as mentioned in the NIT (Notice Inviting Tender). Tenderer can revise the bids any number of times till the closing time/date of the tender. No manual offers shall be accepted.	No	No	Not Allowed

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**Commercial-Compliance**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Demand for the Financial Criteria, Association of Railway Officers, List of Arbitration cases, Court cases and Mandate for NEFT are to be uploaded with a scanned copy duly filled in and signed as per annexure no. IV, IX, XII, V, VI respectively. These Annexures are available in View Document menu at Home page and is downloadable. The details of the uploaded documents should be produced whenever demanded for verification on written request at any point of time of the tender and contract within 7 days	Yes	Yes	Allowed (Mandatory)
2	Scanned copy of valid Trade license or Propitorship Certificate.	Yes	Yes	Allowed (Optional)
3	Scanned copy of valid GST (Goods & Service Tax)Registration Certificate.	Yes	Yes	Allowed (Mandatory)
4	Please enter the percentage of local content in the material being offered. Please enter 0 for fully imported items, and 100 for fully indigenous items. The definition and calculation of local content shall be in accordance with the Make in India policy as incorporated in the tender conditions.	No	Yes	Allowed (Optional)

**General Instructions**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Submission of Documents in support of Eligibility Criteria : All documents in support of fulfillment of eligibility criteria with respect to completion of 'Similar Nature of work for technical Eligibility criteria 'and 'Total Contract value for Financial Eligibility Criteria' should be uploaded online in the website with scanned copy at the time of tender bidding with the details. No post - tender communication , in any form will be made or entertained , after opening of tenders in this regard .Railways may however call for the originals of the credentials for verification or any clarifications/Confirmations on the contents of the documents submitted .Eligibility of tenderers shall be decided solely on the basis of the documents submitted alongwith the tender offers and any subsequent document whatsoever submitted in this connection would not be given any cognizance on any account.	No	No	Not Allowed
2	The Contractor/(firm) must go through the entire tender document along with all attachment for any kind of guidance regarding execution of the job & payment there after. In case any thing is left out or not clear then they should consult the General Condition of Contract & standard Specification as attached (uploaded ).The bidders are also advised to preserve a copy of entire tender document/ (Set) for their convenience.	No	No	Not Allowed
3	Tenderers are requested to go through the following documents which are available in upload/View Documents in Home page of IREPS portal for works tenders before submitting the e-tender. 1. INSTRUCTIONS TO TENDERERS For e-Tenders-Chapter- 1 2 . SPECIAL CONDITIONS OF CONTRACTGENERAL - Chapter-II	No	No	Not Allowed
4	Opening of e-tender : 1. The e-tenders will be opened online using the IREPS portal anytime after closing of the schedule date and time. No representative is required to be present for opening of e-tender and taking notes of rates quoted and ranking as the complete details of rates etc. of all the bidders shall be available to the bidders in the website after the opening of the tender. Note: For more details refer to Cl: 4 of General Instruction- Chapter-I for Submission of EMD	No	No	Not Allowed
5	In case the date of closing mentioned in the Notice Inviting Tender is declared a holiday/bandh/strike on any account, the date of closing tender online will not be changed as the application in the website of IREPS does not permit submission of any offer after closing date and time of the tender. However, opening of tenders online will be done next working day.	No	No	Not Allowed

**Special Conditions**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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**HOWRAH DIVISION-GATI SHAKTI/EASTERN RLY  
TENDER DOCUMENT**

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1	1) The contractor shall establish a well equipped field laboratory for testing of soil, cement, fine & Coarse aggregates and concrete including one computer with printers with operator at site office. 2) The agency shall arrange 01 no good condition four wheeler vehicle like Tata Sumo, Bolero or similar type with driver & fuel for movement of Railway officials from office to work site & back and also for day to day site inspection during currency of contract. 3) The contractor shall engage one surveyor for demarcating the Railway land boundary and alignment including one Total Station Machine at site. 4) All necessary reference pillar/ toe pillar are to be fixed by the contractor as per RDSO guidelines at his own cost. No extra payment will be made for these items. It is the responsibility of the contractor to preserve the said pillars till completion of work Demand for the credential criteria both Technical and Similar nature of work and other technical details are to be uploaded with a scanned copy duly filled in and signed as per annexure no. I, II, III. These Annexures are available in View Document menu at Home page and are downloadable. The details of the uploaded documents should be produced whenever demanded for verification on written request at any point of time of the tender and contract within 7 days.	No	No	Not Allowed
2	Definition of Similar nature of works: " Execution of earth work in formation with mechanical compaction and construction of minor bridge and execution of P.Way works."	No	No	Not Allowed

**Undertakings**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Demand for the credential criteria both Technical and Similar nature of work and other technical details are to be uploaded with a scanned copy duly filled in and signed as per annexure no. I, II, III. These Annexures are available in View Document menu at Home page and are downloadable. The details of the uploaded documents should be produced whenever demanded for verification on written request at any point of time of the tender and contract within 7 days.	No	No	Not Allowed
2	1 . 0 WHEREAS the President of India acting through the Eastern Railway administration and their authorised officers has invited e-tenders for the above-mentioned work vide tender notice mentioned in the NIT Notice Inviting Tender published in the website. 2.0 AND WHEREAS I/We, have read the above NIT Notice Inviting Tender for e-tender, General instructions, Special Conditions-General, all special conditions and have purchased this e-tender document, have carefully read and understood the same, have visited the site and have satisfied myself/ourselves as to the nature of the work and site conditions before filling this e-tender. 3.0 AND WHEREAS my/our address for all communications hereinafter shall be considered as official and shall be made in the address, email Id and Mobile phone and other phone nos. given in the portal of IREPS while registering as tenderer for e-tender. In case of any change in this concerned officer of railway will be informed. 4 . 0 AND WHEREAS I/We state that in the event of this e-tender being unsuccessful, the aforesaid earnest money deposited by me/us may be refunded to me/us through NEFT. 5.0 AND WHEREAS I/We hereby sign this e-tender document digitally by virtue of the legal authorities vested with me/us to enter into commitment on behalf of the tenderer, documentary support whereof is enclosed herewith. 6.0 AND WHEREAS I/We have read and understood this etender document and agree to abide by the various terms and conditions contained therein. I/We also agree to keep the offer open for acceptance for a period of 45 days from the date fixed for closing of the same and in default hereof, I/We will be liable for forfeiture of my/our earnest money.	No	No	Not Allowed

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3	7.0 Now, therefore I/We hereby submit this e-tender and offer to do the work for the Eastern Railway at the rates quoted in the schedule through online and hereby bind myself/ourselves to complete the work in all respects within the stipulated period of completion from the date of issue of the letter of acceptance of this tender. 8 . 0 And I/We agree to abide by the General Conditions of Contract 2022 editions and the Unified Standard Schedule of Rates Labour Materials of 2011 edition issued by the Eastern Railway, read with all correction slips issued thereto from time to time, and to carry out the works according to the special conditions and specifications of materials and works as laid hereunder in various chapters of this e-tender document. 9.0 And I/We have understood and accept the stipulation that full value of the earnest money shall stand forfeited without prejudice to any other right or remedies if: 1 . I/We do not execute the contract documents, in case my/our tender is accepted, within seven days after receipt of notice issued by the Railway that such documents are ready, or 2. I/we do not commence the work, in case my/our e-tender is accepted, within fifteen days after receipt of orders to that effect. 10.0 And until a formal agreement is executed, acceptance of this tender shall constitute a binding contract between us subject to modifications as may be mutually agreed between us and indicated in the letter of acceptance of my/our offer for this work. 11.0 And I/We agree to produce the details of the uploaded documents whenever demanded for verification on written request at any point of time of the tender and contract within 7 days.	No	No	Not Allowed
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**Custom**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Definition of Similar nature of works: " Execution of earth work in formation with mechanical compaction and construction of minor bridge and execution of P.Way works."	Yes	Yes	Allowed (Mandatory)
2	Format for certificate to be uploaded by Tenderer Along with the tender documents Annexure-V	Yes	Yes	Allowed (Mandatory)
3	Scanned copy of any other letters/documents etc. If agency intends to submit	Yes	Yes	Allowed (Mandatory)
4	Format for certificate of Bid Capacity Declaration to be uploaded by Tenderer Along with the tender documents (Annexure-X)	Yes	Yes	Allowed (Mandatory)
5	Standard format of the Annual Contractual Turnover Data for the Previous 3/4 Years (Contractual Payment only) Declaration to be submitted mandatorily by the bidder is enclosed as Annexure 'VI B'. ( In case of tender value above 50 lakhs.)	Yes	Yes	Allowed (Mandatory)

**6. Documents attached with tender**

S.No.	Document Name	Document Description
1	Annexure-I-III.pdf	Annexure I to III
2	Annexure-IVVIIVIIIIX.pdf	Annexure IV VII VIII IX X
3	AnnexureV.pdf	Annexure V
4	Annexure-VI.pdf	Annexure VI
5	Annexure_VA.pdf	Annexure V A
6	Annexure-VIA.pdf	Annexure VI A
7	Annexure-VIB.pdf	Annexure VI B
8	Annexure-XI.pdf	Annexure XI
9	Annexure-XII.pdf	Annexure XII
10	ColouredFinal_GCC_April-22_pdf_27.04.22.pdf	GCC April 2022
11	ACS-2toGCC-2022_2022-CE-1-CT-GCC-2022-POLICY_13.12.2022.pdf	Advance corrections slip to GCC2022
12	CheckList.pdf	Check list
13	2ndcorrectionslip.pdf	corrections of GCC2022

**HOWRAH DIVISION-GATI SHAKTI/EASTERN RLY  
TENDER DOCUMENT**

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14	Tenderdocumentof01_2023-24.pdf	Tender document
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This tender complies with Public Procurement Policy (Make in India) Order 2017, dated 15/06/2017, issued by Department of Industrial Promotion and Policy, Ministry of Commerce, circulated vide Railway Board letter no. 2015/RS(G)/779/5 dated 03/08/2017 and 27/12/2017 and amendments/ revisions thereof.

As a Tender Inviting Authority, the undersigned has ensured that the issue of this tender does not violate provisions of GFR regarding procurement through GeM.

**Signed By:** NILESH KUMAR GAURAV

**Designation :** Dy.CPM/Engg/HWH