

**WR HQ-ENGINEERING/WESTERN RLY
TENDER DOCUMENT**

Tender No: W641-22-26-02

Closing Date/Time: 28/07/2026 11:00

CE/TMC/CCG acting for and on behalf of The President of India invites E-Tenders against Tender No **W641-22-26-02** Closing Date/Time 28/07/2026 11:00 Hrs. Bidders will be able to submit their original/revised 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

Name of Work	Overhauling along with the operation and maintenance of TRT-6190020 for a period of five years in Western Railway		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Two Packet System
Tender Closing Date Time	28/07/2026 11:00	Date Time Of Uploading Tender	24/06/2026 12:35
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	194522952.38	Tendering Section	TMC
Bidding Style	Single Rate for Each Schedule Item	Bidding Unit	
Earnest Money (Rs.)	3890500.00	Validity of Offer (Days)	90
Tender Doc. Cost (Rs.)	0.00	Period of Completion	66 Months
Contract Type	Works - General	Contract Category	Expenditure
Bidding Start Date	14/07/2026		
Are JV allowed to bid	Yes	Number of JV Member Allowed	3
Are Consortium allowed to bid	No	Number of Consortium Member Allowed	0
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Track Renewal works (PH-31)

2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () A-Operation, Maintenance, Guarding and cook for TRT-6190020							85987594.20	
1	NS1	60.00	Month	1433126.57	85987594.20	AT Par	85987594.20	Above/ Below/P ar
Description:- Operation and maintenance of TRT machine. For providing following manpower (6-operator 8- technician and 14 - Khalasi)/ Month								
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () B-Maintenance of TRT machine.							51498878.18	
1	1	1.00	Numbers	10381.05	10381.05	AT Par	10381.05	Above/ Below/P ar
Description:- Conveyor gear box drive shaft to HTT part no 0-1203241-0-07 Dimension Ø 2" or its equivalent /as per drawing /Sample								
2	2	1.00	Numbers	9796.95	9796.95	AT Par	9796.95	Above/ Below/P ar
Description:- Conveyor drive shaft 2" dia (long) to HTT part no 0-1203241-0-10 Dimension 5 feet long or its equivalent /as per drawing/Sample								
3	3	1.00	Numbers	17098.20	17098.20	AT Par	17098.20	Above/ Below/P ar
Description:- Conveyor drive shaft 2" dia for 1" pitch sprocket (short) to HTT part no 0-1203241-0-09 Dimension 2 feet long or its equivalent /as per drawing/Sample								
4	4	1.00	Numbers	36639.00	36639.00	AT Par	36639.00	Above/ Below/P ar

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	Description:- NT-2 Conveyor drive shaft to HTT part no 0-1203241-0-34 Dimension Ø 2" X 92- 1/4" or its equivalent /as per drawing /Sample							
5	5	1.00	Numbers	36639.00	36639.00	AT Par	36639.00	Above/ Below/P ar
	Description:- NT-3 Conveyor drive shaft to HTT part no0-1203241-0-34 Dimension Ø 2" X 92- 1/4" or its equivalent /as per drawing/Sample							
6	6	6.00	Numbers	8549.10	51294.60	AT Par	51294.60	Above/ Below/P ar
	Description:- HTT part no 0-1306509-0-01 Duplex pitch & teeth 1", 13 teeth or its equivalent /as per drawing							
7	7	2.00	Numbers	8549.10	17098.20	AT Par	17098.20	Above/ Below/P ar
	Description:- HTT part no 0-1306509-0-02 Duplex pitch & teeth 1", 26 teeth or its equivalent /as per drawing /Sample							
8	8	16.00	Numbers	42745.50	683928.00	AT Par	683928.00	Above/ Below/P ar
	Description:- 3"pitch to HTT part no 0-2300223-0- 01 Simplex pitch & teeth 3", 8 teeth or its equivalent /as per drawing							
9	9	4.00	Numbers	42745.50	170982.00	AT Par	170982.00	Above/ Below/P ar
	Description:- HTT part no 0-2300224-0-02 Simplex pitch & teeth 4", 8 teeth or its equivalent /as per drawing /Sample							
10	10	80.00	Numbers	2347.37	187789.60	AT Par	187789.60	Above/ Below/P ar
	Description:- Simplex Roller Chain 1" pitch ANSI- 80/BS228/ISO6061328.68 or its equivalent /as per drawing /Sample							
11	11	40.00	Numbers	221.70	8868.00	AT Par	8868.00	Above/ Below/P ar
	Description:- Half Link 1" pitch ANSI- 80/BS228/ISO60682.6 or its equivalent /as per drawing /Sample							
12	12	15.00	Numbers	3390.66	50859.90	AT Par	50859.90	Above/ Below/P ar
	Description:- Duplex Roller Chain 1" pitch ANSIB 29.1/ ISO606/DIN 81882657.36 or its equivalent /as per drawing /Sample							
13	13	8.00	Numbers	397.75	3182.00	AT Par	3182.00	Above/ Below/P ar
	Description:- Half Link 1" pitch for Duplex ANSIB 29.1/ ISO606/DIN 8188153.4 or its equivalent /as per drawing /Sample							
14	14	750.00	Numbers	183.20	137400.00	AT Par	137400.00	Above/ Below/P ar
	Description:- NEW TIE CONVEYOR PAD to HTT part no 0-2300202-01-01 or its equivalent /as per drawing /Sample / RDSO							
15	15	50.00	Numbers	488.52	24426.00	AT Par	24426.00	Above/ Below/P ar
	Description:- Tie brake pad to HTT part no B0021 Y01 or its equivalent /as per drawing /Sample							
16	16	100.00	Numbers	2076.21	207621.00	AT Par	207621.00	Above/ Below/P ar
	Description:- Castor Wheel to HTT part no 0- 3653000-0-01 or its equivalent /as per drawing /Sample							
17	17	50.00	Numbers	1604.04	80202.00	AT Par	80202.00	Above/ Below/P ar

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	Description:- Steel Rollers in leu of castor wheel or its equivalent /as per drawing/Sample							
18	18	2.00	Numbers	4238.32	8476.64	AT Par	8476.64	Above/ Below/P ar
	Description:- Flanged bearing to SKF F2B-SCED- 112or to FYH UCFL-209-28E or Dodge							
19	19	4.00	Numbers	11997.72	47990.88	AT Par	47990.88	Above/ Below/P ar
	Description:- F4B-SCMED-300or to SKF,IKO, MCGILL DODGE, FYH (Bolt Hole 23.8mm against 18mm							
20	20	4.00	Numbers	89396.59	357586.36	AT Par	357586.36	Above/ Below/P ar
	Description:- Jaw open /close Cylinder 0-3371001-0-04 to HTT Part No or its equivalent to dimension Piston Size in Inches 3 Piston Rod size 1. 1/2"Stroke							
21	21	3.00	Numbers	91337.73	274013.19	AT Par	274013.19	Above/ Below/P ar
	Description:- Clamp 6/7 raise / lower Cylinder 0- 3371013-0-03 to HTT Part No or its equivalent to dimension Piston Size in Inches 2.1/2 Piston Rod size 1.1/2Stroke28'							
22	22	2.00	Numbers	127873.04	255746.08	AT Par	255746.08	Above/ Below/P ar
	Description:- Working unit front R/L Cylinder 0- 3371015-0-03 to HTT Part No or its equivalent to dimension Piston Size in Inches 4 Piston Rod size 2 Stroke 30							
23	23	1.00	Numbers	146209.39	146209.39	AT Par	146209.39	Above/ Below/P ar
	Description:- Balance beam Cylinder 0-3371021-0-02 to HTT Part No or its equivalent to dimension Piston Size in Inches 4 Piston Rod size 1.1/2 Stroke 4							
24	24	4.00	Numbers	57612.71	230450.84	AT Par	230450.84	Above/ Below/P ar
	Description:- Rail puller/Frnt plow tilt Cylinder 0- 3371026-0-03 to HTT Part No or its equivalent to dimensionPiston Size in Inches3Piston Rod size1.1/2 Stroke14							
25	25	2.00	Numbers	261003.13	522006.26	AT Par	522006.26	Above/ Below/P ar
	Description:- Jaw up/Down Cylinder 0-3371032-0-02 to HTT Part No or its equivalent to dimension Piston Size in Inches Rod size 3 Stroke							
26	26	1.00	Numbers	182675.46	182675.46	AT Par	182675.46	Above/ Below/P ar
	Description:- Sled lock Cylinder 0-3371036-0-02 to HTT Part No or its equivalent to dimension Piston Size in Inches2.1/2 Piston Rod size 1.1/2 Stroke 12							
27	27	2.00	Numbers	155363.28	310726.56	AT Par	310726.56	Above/ Below/P ar
	Description:- Clamp 2/8 Cylinder 0-3371037-0-03 to HTT Part No or its equivalent to dimension Piston Size in Inches 4 Piston Rod size 2 Stroke 5.1/2							
28	28	1.00	Numbers	164406.91	164406.91	AT Par	164406.91	Above/ Below/P ar
	Description:- Working unit rear Cylinder 0-3371045-0- 02 to HTT Part No or its equivalent to dimension Piston Size in Inches 5 Piston Rod size 2Stroke 34.1/2							
29	29	4.00	Numbers	113820.15	455280.60	AT Par	455280.60	Above/ Below/P ar
	Description:- Clamp 6/4 Cylinder 0-3371068-0-01 to HTT Part No or its equivalent to dimension Piston Size in Inches 2. 1/2 Piston Rod size 1.1/2 Stroke 28							
30	30	1.00	Numbers	70260.04	70260.04	AT Par	70260.04	Above/ Below/P ar

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	Description:- Frnt plow sus Cylinder B2341XAA to HTT Part No or its equivalent to dimension Piston Size in Inches 4 Piston Rod size 1.1/2 Stroke 8.15/16							
31	31	4.00	Numbers	173118.18	692472.72	AT Par	692472.72	Above/ Below/P ar
	Description:- Sus. Lockout Cylinder A9422XAB to HTT Part No or Its equivalent to dimension Piston Size in Inches 5 Piston Rod size 4 Stroke 2							
32	32	8.00	Numbers	51991.84	415934.72	AT Par	415934.72	Above/ Below/P ar
	Description:- Clamp 7/8 Cylinder B5703XAB to HTT Part No or its equivalent to dimension Piston Size in Inches 2.1/2 Piston Rod size 1.1/2 Stroke 10							
33	33	11.00	Numbers	63233.05	695563.55	AT Par	695563.55	Above/ Below/P ar
	Description:- Clamp 3/4 Cylinder B5703XAA to HTT Part No or its equivalent to dimension Piston Size in Inches 2, 1/2 Piston Rod size 1.1/2 Stroke 14							
34	34	1.00	Numbers	80993.21	80993.21	AT Par	80993.21	Above/ Below/P ar
	Description:- Traction pump ctrl Cylinder 0-3371047-0- 01 to HTT Part No or its equivalent to dimension Piston Size in Inches 2 Piston Rod size 0.625 Stroke 15							
35	35	1.00	Numbers	151517.12	151517.12	AT Par	151517.12	Above/ Below/P ar
	Description:- Sled storage lift Cylinder A0688XAG to HTT Part No or its equivalent to dimension Piston Size in Inches 2 Piston Rod size 1.1/4 Stroke 19.3/4							
36	36	1.00	Numbers	220615.51	220615.51	AT Par	220615.51	Above/ Below/P ar
	Description:- Sled steering Cylinder 0-33710026-0-13 to HTT Part No or its equivalent to dimension Piston Size in Inches 3 Piston Rod size 1.1/2 Stroke 10							
37	37	78.00	Numbers	1538.84	120029.52	AT Par	120029.52	Above/ Below/P ar
	Description:- 1" Pin of Various Size ranges from 2 to 6"							
38	38	20.00	Numbers	1923.55	38471.00	AT Par	38471.00	Above/ Below/P ar
	Description:- 1 1/2" Pin of Various Size ranges from 2" to 6							
39	39	5.00	Numbers	2308.26	11541.30	AT Par	11541.30	Above/ Below/P ar
	Description:- 70 mm pin of Various Size ranges from 2" to 6"							
40	40	81.00	Numbers	7772.88	629603.28	AT Par	629603.28	Above/ Below/P ar
	Description:- Rocker Bearing to SKF Part No GE 25 ZO or Its equivalent as per annexure -II (IKO COVERED IN RLY ANNEX - II & FAG NOT COVERED)							
41	41	50.00	Numbers	11607.83	580391.50	AT Par	580391.50	Above/ Below/P ar
	Description:- Rocker Bearing to SKF Part No GE38 ZO or its equivalent as per annexure -II (IKO COVERED IN RLY ANNEX - II & FAG NOT COVERED)							
42	42	25.00	Numbers	230.83	5770.75	AT Par	5770.75	Above/ Below/P ar
	Description:- Cost of washer & split pin							
43	43	1.00	Numbers	1005501.18	1005501.18	AT Par	1005501.18	Above/ Below/P ar
	Description:- HATZ Engine 1D81Z							

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44	44	12.00	Numbers	1825.15	21901.80	AT Par	21901.80	Above/ Below/P ar
Description:- HYD.RETURN FILTER								
45	45	16.00	Numbers	3053.25	48852.00	AT Par	48852.00	Above/ Below/P ar
Description:- Brake shoe to part, no 0-3677005-0-01 or its equivalent								
46	46	4.00	Numbers	27652.92	110611.68	AT Par	110611.68	Above/ Below/P ar
Description:- A5045Y01 to part no Brake Relay								
47	47	16.00	Numbers	5495.85	87933.60	AT Par	87933.60	Above/ Below/P ar
Description:- WEAR STRIP VERTICAL (Friction Block) to HTT part No 0-1404722-0-01								
48	48	8.00	Numbers	4274.55	34196.40	AT Par	34196.40	Above/ Below/P ar
Description:- WEAR STRIP LATERAL (Friction Strip) to HTT part No 0-1302484-0-01								
49	49	10.00	Numbers	24120.68	241206.80	AT Par	241206.80	Above/ Below/P ar
Description:- 16 mm Dia, IWRC, 6 strands, 6x36 construction, 27 to 49 wires per strand, 11000 mm (11Meter) long with one 3 end free and another end crimped with Machined Choker Ferrule								
50	50	8.00	Numbers	10432.80	83462.40	AT Par	83462.40	Above/ Below/P ar
Description:- Turn buckle to HTT Part no 0-3600000-0-01								
51	51	38.00	Numbers	568.59	21606.42	AT Par	21606.42	Above/ Below/P ar
Description:- U clamp (I6mm clip with nut) to HTT part No 0-3600001-0-01								
52	52	2.00	Numbers	6911.74	13823.48	AT Par	13823.48	Above/ Below/P ar
Description:- push pull cable 8500mm (100M432 8500t to Gantry engine								
53	53	2.00	Numbers	5855.41	11710.82	AT Par	11710.82	Above/ Below/P ar
Description:- push pull cable 7000mm (100M432-7000) to traction pump								
54	54	2.00	Numbers	6546.58	13093.16	AT Par	13093.16	Above/ Below/P ar
Description:- push pull cable 8000mm (100M432-8000) to traction pump								
55	55	18.00	Numbers	16953.31	305159.58	AT Par	305159.58	Above/ Below/P ar
Description:- Rope pulley to HTT part No 0-1301941 0								
56	56	2.00	Numbers	1292.36	2584.72	AT Par	2584.72	Above/ Below/P ar
Description:- Pin for pulley assy to HTT part No: 0- 2302850-0-01 to HTT part No 0-2302850- 0-01								
57	57	2.00	Numbers	1238.90	2477.80	AT Par	2477.80	Above/ Below/P ar
Description:- Pin for pulley assy to HTT part No: 691328-198 to HTT part No Y691328-198								
58	58	6.00	Numbers	978.08	5868.48	AT Par	5868.48	Above/ Below/P ar
Description:- Pin for pulley assy to HTT part No: 0- 2302850-0-02 to HTT part No 0-2302850- 0-02								

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59	59	4.00	Numbers	1292.36	5169.44	AT Par	5169.44	Above/ Below/P ar
Description:- Pin for pulley assy to HTT part No: 0- 2302850-0-03 to HTT part No 0-2302850- 0-03								
60	60	4.00	Numbers	1043.29	4173.16	AT Par	4173.16	Above/ Below/P ar
Description:- Pin for pulley assy to HTT part No: 0- 2302850-0-04 to HTT part No 0-2302850- 0-04								
61	61	16.00	Numbers	10432.80	166924.80	AT Par	166924.80	Above/ Below/P ar
Description:- Flanged Bearing UCF210-D115 to HTT part No UCF210-D115								
62	62	4.00	Numbers	6194.47	24777.88	AT Par	24777.88	Above/ Below/P ar
Description:- Drive Shaft as Per Drawing / Sample Dia 52mm length 600 mm to Suit HTT part No: B7948Y0I to HTT part No								
63	63	4.00	Numbers	5346.82	21387.28	AT Par	21387.28	Above/ Below/P ar
Description:- Drive Shaft as Per Drawing / Sample Dia 5 mm length 600 mm to Suit HTT part No: B7947Y01 to HTT part No								
64	64	8.00	Numbers	2086.55	16692.40	AT Par	16692.40	Above/ Below/P ar
Description:- Axle pin for Gantry toothed Wheel Dia 50mm length 130mm As per drawing to HTT part No								
65	65	8.00	Numbers	782.46	6259.68	AT Par	6259.68	Above/ Below/P ar
Description:- Axle pin for Gantry intermedate wheel Wheel Dia 25 mm length 130 mm As per drawing to HTT part No								
66	66	8.00	Numbers	3260.25	26082.00	AT Par	26082.00	Above/ Below/P ar
Description:- Hub for Gantry Cardon Shaft as per drawing to HTT part No								
67	67	8.00	Numbers	2445.19	19561.52	AT Par	19561.52	Above/ Below/P ar
Description:- Roller horizontal for clamp No 2 & 8 to HTT part No: 0-1300219-0-01								
68	68	12.00	Numbers	2203.93	26447.16	AT Par	26447.16	Above/ Below/P ar
Description:- Roller (vertical) for clamp No. 2 & 8 to HTT part No: 0-1400475-0-01								
69	69	4.00	Numbers	5150.75	20603.00	AT Par	20603.00	Above/ Below/P ar
Description:- Roller stepped for clamp No 3 & 7 to HTT part No: A9374Y02								
70	70	4.00	Numbers	2771.21	11084.84	AT Par	11084.84	Above/ Below/P ar
Description:- Roller horizontal for clamp No 4 & 6 to HTT part No: 0-1200189-0-01								
71	71	4.00	Numbers	2927.70	11710.80	AT Par	11710.80	Above/ Below/P ar
Description:- Roller vertical for clamp No. 4 & 6 to HTT part No: A9371Y02								
72	72	4.00	Numbers	1675.77	6703.08	AT Par	6703.08	Above/ Below/P ar
Description:- Roller rail holding for clamp No 4 & 6 to HTT part No: A9373Y01								
73	73	8.00	Numbers	1264.97	10119.76	AT Par	10119.76	Above/ Below/P ar

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	Description:- Shaft horizontal roller for clamp No 2 & 8 to HTT part No: A0973T41							
74	74	4.00	Numbers	1806.18	7224.72	AT Par	7224.72	Above/ Below/P ar
	Description:- Shaft horizontal for clamp No 4 & 6							
75	75	4.00	Numbers	2347.37	9389.48	AT Par	9389.48	Above/ Below/P ar
	Description:- Shaft vertical for clamp No 4 & 6							
76	76	4.00	Numbers	1988.75	7955.00	AT Par	7955.00	Above/ Below/P ar
	Description:- Shaft for clamp No 3 & 7							
77	77	4.00	Numbers	2347.37	9389.48	AT Par	9389.48	Above/ Below/P ar
	Description:- Shaft for Horizontal rail holding roller for clamp No 4 & 6 to HTT part No: A9376Y01							
78	78	4.00	Numbers	2347.37	9389.48	AT Par	9389.48	Above/ Below/P ar
	Description:- Shaft for Vertical rail holding roller for clamp No 4 & 6 to HTT part No. A9375X01							
79	79	8.00	Numbers	1173.69	9389.52	AT Par	9389.52	Above/ Below/P ar
	Description:- Collar for rail threading rollers							
80	80	6.00	Numbers	1238.90	7433.40	AT Par	7433.40	Above/ Below/P ar
	Description:- Nut stepped for rail guide rollers vertical							
81	81	4.00	Numbers	1238.90	4955.60	AT Par	4955.60	Above/ Below/P ar
	Description:- Nut for horizontal roller shaft of clamp No 4 & 6							
82	82	8.00	Numbers	717.26	5738.08	AT Par	5738.08	Above/ Below/P ar
	Description:- Washer thrust for rail guide rollers							
83	83	8.00	Numbers	782.46	6259.68	AT Par	6259.68	Above/ Below/P ar
	Description:- Shield for vertical roller for clamp 4 & 6							
84	84	16.00	Numbers	841.15	13458.40	AT Par	13458.40	Above/ Below/P ar
	Description:- Shield for Horizontal roller for clamp 4 & 6 and 7							
85	85	8.00	Numbers	528.16	4225.28	AT Par	4225.28	Above/ Below/P ar
	Description:- "Deep Groove Ball Bearing to part no 6206 2 RS Make of HMT,SKF,FAG, KOYO,NTN,TIMKEN"							
86	86	28.00	Numbers	1165.86	32644.08	AT Par	32644.08	Above/ Below/P ar
	Description:- Deep Groove Ball Bearing to part no 6212 2RS Make of HNT,SKF,FAG, KOYO,NTN,TIMKEN							
87	87	32.00	Numbers	4546.09	145474.88	AT Par	145474.88	Above/ Below/P ar
	Description:- Tapered roller bearing to part no 32009XA Make of HMT,SKF,FAG, KOYO,NTN,TIMKEN							
88	88	8.00	Numbers	13292.69	106341.52	AT Par	106341.52	Above/ Below/P ar

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	Description:- Tapered roller bearing to part no 4T 392/394A Make of HMT,SKF,FAG, KOYO,NTN,TIMKEN							
89	89	4.00	Numbers	18110.03	72440.12	AT Par	72440.12	Above/ Below/P ar
	Description:- Thrust Bearing to part no GX 30 F Make HMT,SKF,FAG, KOYO,NTN,TIMKEN							
90	90	6.00	Numbers	1321.06	7926.36	AT Par	7926.36	Above/ Below/P ar
	Description:- Self lubricating Bush to part no 16DU16 Make of HMT,SKF, FAG,KOYO,NTN,TIMKEN IKO, MCGILL							
91	91	2.00	Numbers	1321.06	2642.12	AT Par	2642.12	Above/ Below/P ar
	Description:- Self lubricating Bush to part no 7050DU Make of HMT,SKF,FAG,KOYO,NTN,TIMKEN IKO, MCGILL							
92	92	16.00	Numbers	27125.28	434004.48	AT Par	434004.48	Above/ Below/P ar
	Description:- Tappered Bore Bearing Torque Arm Plate to part no BT2832L flake of RBC							
93	93	16.00	Numbers	12254.62	196073.92	AT Par	196073.92	Above/ Below/P ar
	Description:- Double Row Spherical Self-Aligning Roller Bearing to part no 22310 E Make of HMT,SKF,FAG, KOYO,NTN,TIMKEN							
94	94	16.00	Numbers	10264.57	164233.12	AT Par	164233.12	Above/ Below/P ar
	Description:- Double Row Spherical Self-Aligning Roller Bearing to part no 21305 E1 Make of HMT,SKF,FAG, KOYO,NTN,TIMKEN							
95	95	18.00	Numbers	2477.79	44600.22	AT Par	44600.22	Above/ Below/P ar
	Description:- Spherical Roller Bearings to part no 22209 Make of HMT,SKF, FAG, KOYO,NTN,TIMKEN							
96	96	18.00	Numbers	959.82	17276.76	AT Par	17276.76	Above/ Below/P ar
	Description:- Deep Groove Ball Bearing to part no 6210- 2Rs Blake of HMT,SKF,FAG, KOYO, NTN,TIMKEN							
97	97	8.00	Numbers	92168.57	737348.56	AT Par	737348.56	Above/ Below/P ar
	Description:- Gantry cardon shaft to HTT part no 52787V or its equivalent							
98	98	4.00	Numbers	130801.23	523204.92	AT Par	523204.92	Above/ Below/P ar
	Description:- DRIVE SHAFT internediate to HTT part no 0-3521007-0- 04 (similar item length 800mm) or its equivalent							
99	99	1.00	Numbers	130801.23	130801.23	AT Par	130801.23	Above/ Below/P ar
	Description:- Shaft 4 pad to 2 pad drive shaft to HTT part no 0- 3521004-0-10 (1000 mm) or its equivalent							
100	100	1.00	Numbers	130801.23	130801.23	AT Par	130801.23	Above/ Below/P ar
	Description:- Drive Shaft For COTA Gear Box to HTT part no 0- 3521006-0-03/885 mm long or its equivalent							
101	101	1.00	Numbers	1720.39	1720.39	AT Par	1720.39	Above/ Below/P ar
	Description:- Havells 63 Amp MCB							

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102	102	1.00	Numbers	1003.13	1003.13	AT Par	1003.13	Above/ Below/P ar
Description:- Havells 50 Amp MCB								
103	103	5.00	Numbers	741.84	3709.20	AT Par	3709.20	Above/ Below/P ar
Description:- Havells 32 Amp MCB								
104	104	4.00	Numbers	552.28	2209.12	AT Par	2209.12	Above/ Below/P ar
Description:- Havells 16 Amp MCB								
105	105	2.00	Numbers	552.28	1104.56	AT Par	1104.56	Above/ Below/P ar
Description:- Havells 6 Amp MCB								
106	106	17.00	Numbers	1127.11	19160.87	AT Par	19160.87	Above/ Below/P ar
Description:- 11 PIN RELAY SOCKET Relco Brand to part no D0650Y09								
107	107	3.00	Numbers	21005.32	63015.96	AT Par	63015.96	Above/ Below/P ar
Description:- PLUG-IN RELAY SOCKET Time Cube ON to part no D0650Y17								
108	108	1.00	Numbers	21005.32	21005.32	AT Par	21005.32	Above/ Below/P ar
Description:- PLUG-IN RELAY SOCKET Time Cube OFF								
109	109	10.00	Numbers	635.28	6352.80	AT Par	6352.80	Above/ Below/P ar
Description:- 8 PIN RELAY BASE (siemens or releco)								
110	110	5.00	Numbers	17958.02	89790.10	AT Par	89790.10	Above/ Below/P ar
Description:- Heavy-Duty Limit Switch (make Allen Bradley) 802T-AP to part no L422907								
111	111	10.00	Numbers	12987.44	129874.40	AT Par	129874.40	Above/ Below/P ar
Description:- Honey well heavy duty LSA2B with LAZ51b								
112	112	4.00	Numbers	1527.75	6111.00	AT Par	6111.00	Above/ Below/P ar
Description:- Horn 12 volt								
113	113	1.00	Numbers	1793.14	1793.14	AT Par	1793.14	Above/ Below/P ar
Description:- Horn 24 volt								
114	114	2.00	Numbers	2869.02	5738.04	AT Par	5738.04	Above/ Below/P ar
Description:- Horn 24 volt Pneumatic								
115	115	28.00	Numbers	3381.34	94677.52	AT Par	94677.52	Above/ Below/P ar
Description:- 30 W LED Working light 24 V								
116	116	16.00	Numbers	3506.35	56101.60	AT Par	56101.60	Above/ Below/P ar
Description:- 12 V LED Working light								
117	117	2.00	Numbers	3506.35	7012.70	AT Par	7012.70	Above/ Below/P ar

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	Description:- Flasher light 12 volt LED							
118	118	2.00	Numbers	3506.35	7012.70	AT Par	7012.70	Above/ Below/P ar
	Description:- Flasher light 24 volt LED							
119	119	2.00	Numbers	3395.69	6791.38	AT Par	6791.38	Above/ Below/P ar
	Description:- Engine hourmeter 12 volt							
120	120	2.00	Numbers	3395.69	6791.38	AT Par	6791.38	Above/ Below/P ar
	Description:- Engine hour meter 24 volt to part no 501151							
121	121	2.00	Numbers	2710.20	5420.40	AT Par	5420.40	Above/ Below/P ar
	Description:- Danger light 24 volt Tail Lamp							
122	122	8.00	Numbers	2525.76	20206.08	AT Par	20206.08	Above/ Below/P ar
	Description:- Yellow/Marker light 12 volt Tail Lamp LED							
123	123	10.00	Numbers	87.09	870.90	AT Par	870.90	Above/ Below/P ar
	Description:- ELEMENT NO CONTACT							
124	124	5.00	Numbers	87.09	435.45	AT Par	435.45	Above/ Below/P ar
	Description:- ELEMENT NC CONTACT							
125	125	8.00	Numbers	87.09	696.72	AT Par	696.72	Above/ Below/P ar
	Description:- CONTACT BLOCK NO/ NC							
126	126	6.00	Numbers	691.63	4149.78	AT Par	4149.78	Above/ Below/P ar
	Description:- Push button NO-NO SEIMENS MAKE to part no 3SB5400-0B							
127	127	3.00	Numbers	10905.35	32716.05	AT Par	32716.05	Above/ Below/P ar
	Description:- Starter / ignition switch (RC Rate) to part no L424256							
128	128	25.00	Numbers	512.32	12808.00	AT Par	12808.00	Above/ Below/P ar
	Description:- Push button with contacts different colors as per requirement							
129	129	50.00	Numbers	2138.45	106922.50	AT Par	106922.50	Above/ Below/P ar
	Description:- switch 2 way							
130	130	6.00	Numbers	2138.45	12830.70	AT Par	12830.70	Above/ Below/P ar
	Description:- Switch Spring return 2way							
131	131	20.00	Numbers	4298.40	85968.00	AT Par	85968.00	Above/ Below/P ar
	Description:- switch 3 way							
132	132	6.00	Numbers	4298.40	25790.40	AT Par	25790.40	Above/ Below/P ar
	Description:- Switch Spring return 3way							

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133	133	8.00	Numbers	4298.40	34387.20	AT Par	34387.20	Above/ Below/P ar
Description:- 3 Position Key Switch								
134	134	1000.00	Numbers	7.17	7170.00	AT Par	7170.00	Above/ Below/P ar
Description:- cable tie 6"								
135	135	400.00	Numbers	8.20	3280.00	AT Par	3280.00	Above/ Below/P ar
Description:- cable tie 8"								
136	136	200.00	Numbers	11.27	2254.00	AT Par	2254.00	Above/ Below/P ar
Description:- cable tie 12"								
137	137	1000.00	Numbers	5.12	5120.00	AT Par	5120.00	Above/ Below/P ar
Description:- thymbole 2.5mm								
138	138	1000.00	Numbers	6.14	6140.00	AT Par	6140.00	Above/ Below/P ar
Description:- thymbole 1.5mm								
139	139	12.00	Numbers	25.61	307.32	AT Par	307.32	Above/ Below/P ar
Description:- insulation Tape								
140	140	500.00	Numbers	9.22	4610.00	AT Par	4610.00	Above/ Below/P ar
Description:- T.B connectors 4mm								
141	141	20.00	Numbers	7.17	143.40	AT Par	143.40	Above/ Below/P ar
Description:- End Plate 4mm								
142	142	20.00	Numbers	63.53	1270.60	AT Par	1270.60	Above/ Below/P ar
Description:- B steel channel								
143	143	1000.00	Numbers	104.52	104520.00	AT Par	104520.00	Above/ Below/P ar
Description:- 2 core *1.5 sq mm cable (LAPP or Harsco) 43								
144	144	750.00	Numbers	98.36	73770.00	AT Par	73770.00	Above/ Below/P ar
Description:- 4 core*1.5 sq mm cable (LAPP or Harsco)								
145	145	200.00	Numbers	233.62	46724.00	AT Par	46724.00	Above/ Below/P ar
Description:- 3 core *2.5 sq mm cable (LAPP or Harsco)								
146	146	100.00	Numbers	1613.83	161383.00	AT Par	161383.00	Above/ Below/P ar
Description:- 70 mm cable (LAPP or Harsco)								
147	147	200.00	Numbers	263.33	52666.00	AT Par	52666.00	Above/ Below/P ar
Description:- 10 core cable 10" 1.5 sqmm (LAPP Harsco) ""								
148	148	100.00	Numbers	795.13	79513.00	AT Par	79513.00	Above/ Below/P ar

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	Description:- 18 core cable 18*1.5 sqmm (LAPP Harsco)							
149	149	20.00	Numbers	141.40	2828.00	AT Par	2828.00	Above/ Below/P ar
	Description:- 6 Square mm Cable (LAPP or Harsco)							
150	150	3.00	Numbers	43035.30	129105.90	AT Par	129105.90	Above/ Below/P ar
	Description:- Supply of Wireless Remote Control Electronic Siren/Hooter System Specification: Operating range 300 Mtr., supply votage-12V/24V (DC). Each set consists of following parts: Amplifier out power 40 watt, RMS/50 watt, RMS Max, Frequency response- 150 Hz to 10 Khz. Power supply: 12V/24V (DC)-02 nos. Microphone input channel 01 no. Auxiliary channel. Speaker-Horn type. Power 25 watt RMS/38watt flax Resistance 08 OHM Frequency Response 250Hz to 10Khz=02 nos.. Remote unit operating range: 300Mt. = 01 No. Antenna range 300 Mt. = 02 nos. Make: Amplifier and Speaker:-Ahuja or Equivalent.							
151	151	8.00	Numbers	1844.37	14754.96	AT Par	14754.96	Above/ Below/P ar
	Description:- 24 V Fan DC							
152	152	2.00	Numbers	1844.37	3688.74	AT Par	3688.74	Above/ Below/P ar
	Description:- 12 V Fan DC							
153	153	4.00	Numbers	307.39	1229.56	AT Par	1229.56	Above/ Below/P ar
	Description:- TUBE LIGHT 24 V 20W							
154	154	15.00	Numbers	776.69	11650.35	AT Par	11650.35	Above/ Below/P ar
	Description:- NO 32 LP Hydraulic Hose to specification SAE 100 R4 or equivalent with maximum operating pressure of 100 PSI/7bar and hose ID of 2.0" (Aeroequip specification 2661-32)							
155	155	2.00	Numbers	776.46	1552.92	AT Par	1552.92	Above/ Below/P ar
	Description:- NO 32 LP Hydraulic Hose to specification SAE 100 R1AT or equivalent with maximum operating pressure of 600 PSI/41 bar and hose ID of 2.0" (Aeroequip specification GH663-32)							
156	156	21.00	Numbers	598.40	12566.40	AT Par	12566.40	Above/ Below/P ar
	Description:- No 24 LP Hydraulic Hose to specification SAE 100 R4 or equivalent with maximum operating pressure of 150 PSI/10,5 bar and 3 hose ID of 1.5" (Aeroequip specification 2661-24)							
157	157	7.00	Numbers	598.40	4188.80	AT Par	4188.80	Above/ Below/P ar
	Description:- NO 20 LP Hydraulic Hose to specification SAE 100 R1AT or equivalent with maximum operating pressure of 1000 PSI/69 bar and hose ID of 1.25" equivalent to GH663-20							
158	158	129.00	Numbers	827.92	106801.68	AT Par	106801.68	Above/ Below/P ar
	Description:- No.16 HP Hydraulic Hose to specification 2755-16 or equivalent with maximum operating pressure of 4640 PSI/320bar and hose ID of 1" equivalent to (AEROEQUIP SPECIFICATION 2755-4SP)							
159	159	51.00	Numbers	1063.58	54242.58	AT Par	54242.58	Above/ Below/P ar
	Description:- No 12 HP hose to specification exceeding 2755-12 or equivalent with maximum operating pressure 5500 psi/380 bar ID of hose 0.75" (Aeroequip specification 2755- 4SP)							
160	160	5.00	Numbers	557.41	2787.05	AT Par	2787.05	Above/ Below/P ar
	Description:- No.10 HP hydraulic hose exceeding specification 2755- 10 or equivalent with a maximum operating pressure of 6100 PSI/7 420 bar and hose ID of 0.63" equivalent aeroquip specification 2755- 4SP							

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161	161	200.00	Numbers	483.63	96726.00	AT Par	96726.00	Above/ Below/P ar
	Description:- No.8 HP hydraulic hose exceeding specification SAE 100 R2AT or equivalent with maximum operating pressure of 4300 PSI/295 bar and hose ID of 0.5 "(Aeroquip specification 2781-8)or GH195- 8							
162	162	14.00	Numbers	400.63	5608.82	AT Par	5608.82	Above/ Below/P ar
	Description:- No.6 HP hydraulic hose exceeding specification SAE 100 R2AT or equivalent with maximum operating pressure of 5000 PSI/350 bar and hose ID of 0,38" (Aeroquip specification GH195-6)							
163	163	366.00	Numbers	138.33	50628.78	AT Par	50628.78	Above/ Below/P ar
	Description:- No.4 HP hydraulic hose exceeding specification SAE 100 R2AT or equivalent with maximum operating pressure of 5800 PSI/400 bar and hose of ID 25" (Aeroquip Specifications GH195-4)							
164	164	6.00	Numbers	1433.49	8600.94	AT Par	8600.94	Above/ Below/P ar
	Description:- Straight End Fitting 37 degree JIC FSN to suit 32 LP hose,							
165	165	1.00	Numbers	1433.49	1433.49	AT Par	1433.49	Above/ Below/P ar
	Description:- End fitting 60 degree BSP FSN to suit 32 LP hose							
166	166	13.00	Numbers	676.27	8791.51	AT Par	8791.51	Above/ Below/P ar
	Description:- Straight End Fitting 37 degree JIC FSN to suit 24LP hose,							
167	167	4.00	Numbers	579.95	2319.80	AT Par	2319.80	Above/ Below/P ar
	Description:- End fitting 60 degree BSP FSN to suit 20 LP hose							
168	168	59.00	Numbers	331.99	19587.41	AT Par	19587.41	Above/ Below/P ar
	Description:- Straight End Fitting 37 degree JIC FSN to suit 16HP hose,							
169	169	12.00	Numbers	331.99	3983.88	AT Par	3983.88	Above/ Below/P ar
	Description:- End fitting 60 degree BSP FSN to suit 16HP hose							
170	170	21.00	Numbers	241.82	5078.22	AT Par	5078.22	Above/ Below/P ar
	Description:- Straight End Fitting 37 degree JIC FSN to suit 12HP hose,							
171	171	7.00	Numbers	241.82	1692.74	AT Par	1692.74	Above/ Below/P ar
	Description:- End fitting 60 degree BSP FSN to suit 12 HP hose							
172	172	3.00	Numbers	132.18	396.54	AT Par	396.54	Above/ Below/P ar
	Description:- Straight End Fitting 37 degree JIC FSN to suit 10HP hose,							
173	173	100.00	Numbers	132.18	13218.00	AT Par	13218.00	Above/ Below/P ar
	Description:- Straight End Fitting 37 degree JIC FSN to suit 8HP hose,							
174	174	9.00	Numbers	132.18	1189.62	AT Par	1189.62	Above/ Below/P ar
	Description:- End fitting 60 degree BSP FSN to suit 8 HP hose							

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175	175	6.00	Numbers	108.61	651.66	AT Par	651.66	Above/ Below/P ar
	Description:- Straight End Fitting 37 degree JIC FSN to suit 6HP hose,							
176	176	5.00	Numbers	108.61	543.05	AT Par	543.05	Above/ Below/P ar
	Description:- End fitting 60 degree BSP FSN to suit 6 HP hose							
177	177	173.00	Numbers	84.03	14537.19	AT Par	14537.19	Above/ Below/P ar
	Description:- Straight End Fitting 37 degree JIC FSN to suit 4HP hose,							
178	178	1.00	Numbers	84.03	84.03	AT Par	84.03	Above/ Below/P ar
	Description:- End fitting 60 degree BSP FSN to suit 4 HP hose							
179	179	210.00	Numbers	512.32	107587.20	AT Par	107587.20	Above/ Below/P ar
	Description:- Crimping Charges per hose(both ends)							
180	180	60.00	Numbers	313.54	18812.40	AT Par	18812.40	Above/ Below/P ar
	Description:- Hose clamp to part no HRS 1 S10 AL M							
181	181	160.00	Numbers	313.54	50166.40	AT Par	50166.40	Above/ Below/P ar
	Description:- Hose clamp to part no HRS 1 S14 AL M							
182	182	140.00	Numbers	313.54	43895.60	AT Par	43895.60	Above/ Below/P ar
	Description:- Hose clamp to part no HRS 1 S18 AL M							
183	183	40.00	Numbers	380.14	15205.60	AT Par	15205.60	Above/ Below/P ar
	Description:- Hose clamp to part no HRS 2 S22 AL M							
184	184	120.00	Numbers	380.14	45616.80	AT Par	45616.80	Above/ Below/P ar
	Description:- Hose clamp to part no HRS 2 S28 AL M							
185	185	20.00	Numbers	438.55	8771.00	AT Par	8771.00	Above/ Below/P ar
	Description:- Hose clamp to part no HRS 3 S30 AL M							
186	186	24.00	Numbers	467.24	11213.76	AT Par	11213.76	Above/ Below/P ar
	Description:- Hose clamp to part no HRS 3 S38 AL M							
187	187	1.00	Numbers	159324.69	159324.69	AT Par	159324.69	Above/ Below/P ar
	Description:- Hyd Valve for Traction 'ON/OFF' to HTT Part No A1215Y09 or its equivalent to 4WE10X75X/EG24N9- K4-M/4WE10X7-50- EG24N9K4IM							
188	188	3.00	Numbers	37860.30	113580.90	AT Par	113580.90	Above/ Below/P ar
	Description:- Hyd Valve for Sled steering, Traction forward/reverse to HTT Part No 0- 33330 10-0-05 or its equivalent to DSG03-3C2-D24-N1-50							
189	189	2.00	Numbers	14655.60	29311.20	AT Par	29311.20	Above/ Below/P ar
	Description:- Hyd Valve for Dead Mans valve to HTT Part No L421624 or its equivalent to DSG03-2B2-D12-N1-50/ (4WE6JD6X/EG12N9K)							

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190	190	4.00	Numbers	6844.53	27378.12	AT Par	27378.12	Above/ Below/P ar
Description:- Hyd Valve for CHECK VALVE to HTT Part No C1600S or its equivalent to 1" NRV 20								
191	191	10.00	Numbers	22087.82	220878.20	AT Par	220878.20	Above/ Below/P ar
Description:- Hyd Valve for CHECK VALVE to HTT Part No SV 30 GA 1- 4X or its equivalent								
192	192	2.00	Numbers	102222.81	204445.62	AT Par	204445.62	Above/ Below/P ar
Description:- Hyd Valve (DC valve) for jaw operation to HTT Part No C7588Y05 or its equivalent								
193	193	2.00	Numbers	93793.27	187586.54	AT Par	187586.54	Above/ Below/P ar
Description:- Hyd Valve DC valve for jaw operation to HTT Part No C7588Y04 or its equivalent								
194	194	2.00	Numbers	47632.53	95265.06	AT Par	95265.06	Above/ Below/P ar
Description:- Hyd Valve Husco valves to HTT Part No C7588Y01 or its equivalent								
195	195	3.00	Numbers	20021.38	60064.14	AT Par	60064.14	Above/ Below/P ar
Description:- Hyd Valve Husco valves to HTT Part No L425581 or its equivalent								
196	196	2.00	Numbers	56553.39	113106.78	AT Par	113106.78	Above/ Below/P ar
Description:- Hyd Valve For clamp #2, #8, sled lock to HTT Part No L424163 or its equivalent								
197	197	2.00	Numbers	88522.76	177045.52	AT Par	177045.52	Above/ Below/P ar
Description:- Hyd Valve For clamp #5 to HTT Part No L424162 or its equivalent								
198	198	54.00	Numbers	123580.78	6673362.12	AT Par	6673362.12	Above/ Below/P ar
Description:- Hyd Valve For rail lifter, damp #3, #4, #6, #7 to HTT Part No L426165 or its equivalent								
199	199	4.00	Numbers	6803.86	27215.44	AT Par	27215.44	Above/ Below/P ar
Description:- Hyd Valve for Shut off valve to HTT Part No 0-3330011- 0-03 or its equivalent								
200	200	512.00	Numbers	40.12	20541.44	AT Par	20541.44	Above/ Below/P ar
Description:- estimated 128 X 4=512 @ Rs 36.5 per piece , How ever size will vary and contractor has to supply as per requirement								
201	201	4.00	Numbers	9230.83	36923.32	AT Par	36923.32	Above/ Below/P ar
Description:- Hy. Pr. gauge 0-600 PSI to HTT part No 0- 3307004-0-07 or its equivalent								
202	202	3.00	Numbers	3566.81	10700.43	AT Par	10700.43	Above/ Below/P ar
Description:- Hy. Pr. gauge 0-160 PSI to HTT part No 0- 3307004-0-02 or its equivalent								
203	203	4.00	Numbers	9230.83	36923.32	AT Par	36923.32	Above/ Below/P ar
Description:- Hy. Pr. gauge 0-5000 PSI to HTT part No 0-3307004-0-01 or its equivalent								
204	204	2.00	Numbers	933652.10	1867304.20	AT Par	1867304.20	Above/ Below/P ar
Description:- 2-pad pump drive gear box for gantry/ Pump drive assembly for Gantry 0- 3524005-0-10 Harsco or Funk 28102 its equivalent as in Annexure -II								

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205	205	1.00	Numbers	677142.46	677142.46	AT Par	677142.46	Above/ Below/P ar
	Description:- 2-pad pump drive gear box for main machine/Hyd Pump Drive to Harsco 0- 3524003-0-02, FUNK/ C2826XXPXX or its equivalent as in Annexure-II							
206	206	1.00	Numbers	1436439.3 2	1436439.32	AT Par	1436439.32	Above/ Below/P ar
	Description:- 4-pad pump drive gear box for main machine/ Pump Drive to 0- 3524018-0-01 Harsco or FUNK/ C594PXXPXXC or its equivalent as in Annexure-II							
207	207	3.00	Numbers	2940482.4 9	8821447.47	AT Par	8821447.47	Above/ Below/P ar
	Description:- Gear box planetary HMD to Harsco 0- 3523006-0-03 or FUNK/F9RTor its equivalent as in Annexure-II							
208	208	2.00	Numbers	163906.03	327812.06	AT Par	327812.06	Above/ Below/P ar
	Description:- Traction motor to Harsco Part No 0- 3321014-0-05or to mode Model 74318 DFZ Eaton/ Harsco or its equivalent as in Annexure -II							
209	209	1.00	Numbers	379488.44	379488.44	AT Par	379488.44	Above/ Below/P ar
	Description:- Main M/C Oil cooler motor to Harsco Part No 0-3321020-0-01or to model CASAPPA make							
210	210	3.00	Numbers	143798.92	431396.76	AT Par	431396.76	Above/ Below/P ar
	Description:- NT1, NT2, NT3 Motor to Harsco Part No 0-3324001-0- 01 or to model PARKER / CASAPPA make							
211	211	1.00	Numbers	714074.69	714074.69	AT Par	714074.69	Above/ Below/P ar
	Description:- Gantry Traction to Harsco Part No TY768773-0-05 (HTT), or to model Model 90 M075SAUER Sundstrand,/Harsco or its equivalent as in Annexure-II							
212	212	2.00	Numbers	108977.21	217954.42	AT Par	217954.42	Above/ Below/P ar
	Description:- Gantry oil cooler motor to Harsco Part No 5P16 9 (Phooltas), 0- 3321020-0-01 (HTT)or to model Model No PARKER / CASAPPA make							
213	213	2.00	Numbers	1483077.1 1	2966154.22	AT Par	2966154.22	Above/ Below/P ar
	Description:- Traction Pump to Harsco Part No D4346Y22or to mode AA10VG45HW1/10- R- NSC60F043D 1 SET OF PUMP Consists of Two Pumps Clubbed, HTT part No is for One Rexroth/ Harsco or its equivalent							
214	214	1.00	Numbers	481194.64	481194.64	AT Par	481194.64	Above/ Below/P ar
	Description:- Low Pressure system to Harsco Part No A0846Y03or to mode PVH 098 L 02A130A-130000AG10(02-346388), Make: Vickers/ Harsco or its equivalent							
215	215	1.00	Numbers	146556.00	146556.00	AT Par	146556.00	Above/ Below/P ar
	Description:- Oil cooler MOTOR to Harsco Part No 0-3311011-0- 06 or to model 25VQH 17A 11C 20 LH VELJAN make							
216	216	2.00	Numbers	977732.60	1955465.20	AT Par	1955465.20	Above/ Below/P ar
	Description:- Gantry Traction pump to Harsco Part No. TY769018-0- 05or to model Sauer Danfoss Part No. 90L075-CB-5							
217	217	2.00	Numbers	183195.00	366390.00	AT Par	366390.00	Above/ Below/P ar

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	Description:- Gantry Working pump to Harsco Part No 0- 3312006-0- 37 or to mode 2520 VQ-21A-14-11CB-20 LH VELJAN MAKE							
218	218	1.00	Numbers	49286.78	49286.78	AT Par	49286.78	Above/ Below/P ar
	Description:- Replacement of guide channel of NT-1 and NT-2 Conveyor: Work involve- Dismantling of old U guide channel, Grinding & cutting the surface for proper size, fabrication of new U channel (30x30x85 mm and 6 mm 2 thickness) approx. 27 m long, welding of new guide channel on machine frame including all contractor men & material complete.							
219	219	1.00	Numbers	73029.32	73029.32	AT Par	73029.32	Above/ Below/P ar
	Description:- Fabrication of threader unit shaft and necessary repairing of bracket Work Involve- Dismantling of threader unit LHS and RHS bracket, dismantling of shaft from bracket then manufacturing of shaft approx size 51 mm dia and 636 mm long 02 nos, as per sample, fitting of 02 nos, in LHS and RHS threader unit bracket, fixing of bracket on frame, repairing of both side cylinder holding brackets with pin as per sample, inc luding all contractor men & material complete.							
220	220	1.00	Numbers	104421.15	104421.15	AT Par	104421.15	Above/ Below/P ar
	Description:- Replacement of all adjuster screw with block of gantry driving chain. Work Involve- Dismantling old adjuster screw with block size 100x100x8 mm, 8 nos, and 40x80x8mm, 8 nos, of gantry no. 1&2, grinding of surface, drilling of 12 mm dia hole with thread, total 4 nos hole for each adjusting bracket, fabricating of adjuster screw with block then providing on machine with bolt. Manufacturing of new 8 pin 50 mm dia 130 mm long and 30 mm dia 130 mm long, as per sample. including all contractor men & material complete.							
221	221	1.00	Numbers	46165.14	46165.14	AT Par	46165.14	Above/ Below/P ar
	Description:- Plough Reconditioning Work dully cutting and realligning the same as per Design & Tusk Reconditioning Electrde Cost: 17000+ Gas 5000+ Transportation to & fro from site to workshop and Bent relieving 8000							
222	222	7.00	Numbers	12695.41	88867.87	AT Par	88867.87	Above/ Below/P ar
	Description:- Radiator and Hyd cooler cleaning and Pressure Testing							
223	223	1.00	Numbers	156131.61	156131.61	AT Par	156131.61	Above/ Below/P ar
	Description:- Replacement of accumulator Bladder and refilling							
224	224	12.00	Numbers	7848.07	94176.84	AT Par	94176.84	Above/ Below/P ar
	Description:- Mounting Pad for Engine							
225	225	1.00	Numbers	1261077.7 4	1261077.74	AT Par	1261077.74	Above/ Below/P ar
	Description:- Complete Re- wiring of Main Machine and Gantry Duly removing old parts & fixing of new cable & Panel boxes where ever required & fixing of lights & fans where ever required							
226	226	1.00	Numbers	635540.09	635540.09	AT Par	635540.09	Above/ Below/P ar
	Description:- Painting following recommended procedure as per RDSO recommendation And Refurbishing of Machine & cabin Refurbishing and numbering, lettering etc (this incudes repairing of Doors and windows & Rubber beeding)							
227	227	1.00	Numbers	317770.05	317770.05	AT Par	317770.05	Above/ Below/P ar
	Description:- Painting following recommended procedure as per RDSO recommendation And Refurbishing of Gantries - Two Nos and numbering, lettering etc 1 Job = 2 Gantries							
228	228	40.00	Numbers	1099.17	43966.80	AT Par	43966.80	Above/ Below/P ar
	Description:- Re conditioning of Fixing holes for pins of Cylinders and other components (welding & Grinding if necessary replace brackets)							

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229	229	40.00	Numbers	214.34	8573.60	AT Par	8573.60	Above/ Below/P ar
	Description:- Welding Electrodes for reconditioning other than projected For attending Cracks or strengthening at Joints							
230	230	1.00	Numbers	2914382.2 1	2914382.21	AT Par	2914382.21	Above/ Below/P ar
	Description:- Charges for Complete POH Dismantling Cleaning inspection & Re-assembling as per POH Schedule includes materials supplied by railways beyond projected as per instruction by Machine in-charge.							
231	231	1.00	Numbers	109892.82	109892.82	AT Par	109892.82	Above/ Below/P ar
	Description:- Commissioning of Machine on completion of IOH at Site							
232	232	220.00	Numbers	3077.68	677089.60	AT Par	677089.60	Above/ Below/P ar
	Description:- Crane hiring charges for cranes up to 15 MT capacity as per the site requirement. Rates are based on per hour charge 2800/-							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () C-Schedule-C							51174240.00	
1	1	1.00	Job	51174240.00	51174240.00	AT Par	51174240.00	Above/ Below/P ar
	Description:- 1."Disassembly of existing old pick-up conveyor assembly with chain, sprockets etc. from the TRT, including the support members." 2. "Removal of existing hydraulic connections for cylinders and control valves including electrical sensors and cables connected with old sleeper pick up system." 3. "Removal of old pickup system drum assembly and conveyor drop arrangement present in the TRT" 4. "Manufacture of new old sleeper pickup unit with jaw assembly and small conveyor system attached to main conveyor for old sleeper" 5. Suitable drive chains, sprockets and drive system for jaw assembly pick up linked to small conveyor forms part of supply 6. "Installation of the entire assembly on the TRT suitably reinforcing the arrangement to withstand the load." 7. "Provision of new cylinders to match with the old sleeper pickup arrangement" 8. "Electrical and hydraulic connections for the existing system along with control panel and suitable valves." 9. Changing, rerouting pneumatic connections.							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () D-Supply and installation of Indirect braking systems							5862240.00	
1	1	1.00	Job	5862240.00	5862240.00	AT Par	5862240.00	Above/ Below/P ar
	Description:- Supply and installation of Indirect braking systems							

3. ITEM BREAKUP

No item break up added

4. ELIGIBILITY CONDITIONS

Important : All documents uploaded and remarks / confirmation entered by the bidders against any eligibility condition shall be opened as part of technical bid only

Standard Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	In connection with Eligibility Criteria details is attached in documents.	No	No	Allowed (Mandatory)

Special Financial Criteria

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S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	ANNEXURE-VI for TENDERER'S CREDENTIALS (BID CAPACITY) : As per PART I Instructions to Tenderers (ITT) of IR GCC April-2022, in case, the tenderer/s failed to submit the Annexure-A along with offer, their/his offer shall be considered as incomplete and will be rejected summarily. The available bid capacity of tenderer shall be assessed based on the details submitted by the tenderer. In case, the available bid capacity is lesser than estimated cost of work put to tender, his offer shall not be considered even if he has been found eligible in other eligibility criteria/tender requirement	No	No	Allowed (Mandatory)

Special Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Similar Work: For the subject work, following composite Similar nature is proposed, where tenderer has to qualify both the condition as mentioned under Para-A & B separately: A: For Overhauling/upgradation/rehabilitation of TRT-6190020 (Sch B, C & D for total amount of Rs.10,85,35,353.08) (i) Overhauling/upgradation/rehabilitation of TRT/NTC Track Machine in any zonal/satellite depot over Indian Railway. OR (ii) OEM/Supplier of TRT/NTC Track Machine B: For Operation and Maintenance of TRT for 5 years (Sch A for amount of Rs.8,59,87,594.20) (i) Repair and reconditioning of Track machines. OR (ii) Repair and supply of spares to Track Machines. OR (iii) Outsourcing/Supply of staff for operation/Maintenance of Track-Machines	No	No	Allowed (Mandatory)
2	Technical Eligibility Criteria- As per Clause No. 10.1 of Part I, GCC April-2022 with updated Advance correction slips under Section-6 of Tender Document	No	No	Allowed (Mandatory)
2.1	Note for Item 10.1: Work experience certificate from private individual shall not be considered. However, in addition to work experience certificates issued by any Govt. Organization, 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	Not Allowed
3	Financial Eligibility Criteria- As per Clause No. 10.2 of Part I GCC April-2022 with updated Advance correction slips under Section-6 of Tender Document.	No	No	Allowed (Mandatory)

Standard Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	In connection with Eligibility Criteria details is attached in documents.	No	No	Allowed (Mandatory)

Bidders shall confirm and certify on the behalf of the tenderer including its constituents as under:

S.No.	Description
1	I/we the tenderer (s) am/are signing this document after carefully reading the contents.
2	I/We the tenderer(s) also accept all the conditions of the tender and have signed all the pages in confirmation thereof.
3	I/we hereby declare that I/we have downloaded the tender documents from Indian Railway website www.ireps.gov.in . I/we have verified the content of the document from the website and there is no addition, no deletion or no alteration to the content of the tender document. In case of any discrepancy noticed at any stage i.e. evaluation of tenders, execution of work or final payment of the contract, the master copy available with the railway Administration shall be final and binding upon me/us.

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4	I/we declare and certify that I/we have not made any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements.
5	I/We also understand that my/our offer will be evaluated based on the documents/credentials submitted along with the offer and same shall be binding upon me/us.
6	I/We declare that the information and documents submitted along with the tender by me/us are correct and I/we are fully responsible for the correctness of the information and documents, submitted by us.
7	I/we certify that I/we the tenderer(s) is/are not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of submission of bids, either in individual capacity or as a HUF/ member of the partnership firm/LLP/JV/Society/Trust.
8	I/we understand that if the contents of the certificate submitted by us are found to be forged/false at any time during process for evaluation of tenders, it shall lead to forfeiture of the Bid Security and may also lead to any other action provided in the contract including banning of business for a period of upto two year. Further, I/we and all my/our constituents understand that my/our offer shall be summarily rejected.
9	I/we also understand that if the contents of the certificate submitted by us are found to be false/forged at any time after the award of the contract, it will lead to termination of the contract, along with forfeiture of Bid Security/Security Deposit and Performance guarantee and may also lead to any other action provided in the contract including banning of business for a period of upto two year.
10	I/We have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India and certify that I am/We are not from such a country or, if from such a country, have been registered with the competent Authority. I/We hereby certify that I/we fulfil all the requirements in this regard and am/are eligible to be considered (evidence of valid registration by the competent authority is enclosed)

Partnership firm/Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc.

S.No.	Description
1	Partnership firm/Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc. Please submit a certificate in the prescribed format (please download the format from the link given below). 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. (Click here to download the Format of Self Certification)

5. COMPLIANCE

Important All documents uploaded and remarks / confirmation entered by the bidders against any compliance condition shall be opened as part of technical bid only.

Commercial-Compliance

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Annexure -VIB: 1. The average annual contractual turnover shall be calculated as an average of "total contractual payments" in the previous three financial years. 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. 2. The information supplied shall be substantiated by data in the audited balance sheets and profit and loss accounts for the relevant years in respect of the bidder or all members constituting the bidder. 3. Contents of this form should be certified by a Chartered Accountant duly supported by Audited Balance Sheet duly certified by the Chartered Accountant.	No	No	Allowed (Mandatory)
2	Tenderer shall submit details as per PART I Instructions to Tenderers (ITT) of IR GCC April-2022 item No. 14-17 (As per the applicability of the Tenderer. (Please upload relevant documents)	No	No	Allowed (Mandatory)
3	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
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1	The tenderer should upload the scan copy of EPF and ESI registration number. However EPF and ESI registration would be mandatory and documents towards EPF and ESI registration must be submitted before execution of the agreement.	No	No	Not Allowed
2	Tenderer has to submit declaration regarding employment/partnership etc. of retired railway employees & certificate of no relative being an employee of western railway as per attached format in document tab.	No	No	Not Allowed
3	DISSOLUTION OF CONTRACTOR'S FIRM	No	No	Not Allowed
3.1	If the contractor's firm is dissolved due to death or retirement of any partner or for any reason before duly completing the work or any part of it undertaken by the Principal Agreement, the partners shall remain jointly severally and personally liable to complete the whole work to the satisfaction of the Railway and to pay compensation for loss, sustained if any, by the Railway due to such dissolution. The amount of such compensation shall be decided by the Engineer and his decision in the matter shall be final and binding on the Tenderer(s)/Contractor(s).	No	No	Not Allowed
4	Tenderer has to submit declaration regarding employment/partnership etc. of retired railway employees & certificate of no relative being an employee of western railway as per attached format in document tab.	No	No	Not Allowed
5	Special Conditions of Contract for mandatory updation of Labour data on Railway's Shramik Kalyan Portal by Contractor.	No	No	Not Allowed
6	Tenderer may see Advance correction slips No. 1 & 11 to GCC, April 2022 are attached with IREPS NIT.	No	No	Not Allowed

Special Conditions

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Completion period : 5.5 years i.e. 66 months (6 months for Overhauling then 5 years for Operation) from the date of issue of letter of acceptance.	No	No	Not Allowed
2	Special Conditions, as per attached Tender Document.	No	No	Not Allowed

Technical-Compliances

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	The tenderer shall clearly specify whether the tender is submitted on his own or on behalf of a partnership concern. If the tender is submitted on behalf of a partnership concern, he should submit the certified copy of partnership deed (PD) along with the tender and authorization to sign the tender documents on behalf of partnership firm. If these documents are not enclosed along with the tender documents, the tender will be treated as having been submitted by individual signing the tender documents. The tenderer whether sole proprietor, a limited company or a partnership firm if they want to act through agent or individual partners should submit along with the tender or at a later stage, a power of attorney (POA) duly stamped and authenticated by a Notary public or by Magistrate in favour of the specific person whether he or they be partners of the firm or any other person specifically authorizing him or them to submit the tender, sign the agreement, receive money, witness measurement, sign Measurement Books, compromise, settle, relinquish any claims preferred by the firm and signed No claim certificate and refer all or any dispute to arbitration.	Yes	No	Allowed (Mandatory)
1.1	Tenderers should upload the scan copy of Proprietorship certificate or Partnership deed (PD), POA etc. in absence of the documents the offer of tenderer is summarily rejected.	Yes	No	Allowed (Mandatory)

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1.2	The tenderer whether sole proprietor / a company or a partnership firm registered society / registered trust / HUF / LLP etc if they want to act through agent or individual partner(s), should submit along with the tender, a copy of power of attorney duly stamped and authenticated by a Notary Public or by Magistrate in favour of the specific person whether he/they be partner(s) of the firm or any other person, specifically authorizing him/them to sign the tender, submit the tender and further to deal with the Tender/ Contract up to the stage of signing the agreement except in case where such specific person is authorized for above purposes through a provision made in the partnership deed / Memorandum of Understanding / Article of Association /Board resolution, failing which tender shall be summarily rejected	Yes	No	Allowed (Mandatory)
2	Annexure-V: The tenderers shall submit a copy of certificate stating that all their statements/documents submitted along with bid are true and factual. Standard format of certificate to be submitted by the bidder is enclosed as Annexure-V. In addition to Annexure-V, in case of other than company/Proprietary firm Annexure V(A) shall also be submitted by the each member of a Partnership firm /Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc. as the case may be. Non-submission of above certificate(s) by the bidder shall result in summarily rejection of his/their bid. It shall be mandatorily incumbent upon the tenderer to identify, state and submit the supporting documents duly self-attested/digitally signed by which they/he is qualifying the Qualifying Criteria mentioned in the Tender Document.	No	No	Allowed (Mandatory)

Undertakings

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	I/ We have visited the works site and I / We am / are aware of the site conditions.	No	No	Not Allowed
2	I / We agree to execute the above work as per special conditions laid down above.	No	No	Not Allowed
3	I/we have read the various conditions of this Tender Document (including documents attached with the Tender Document) and agree to abide by the said conditions. I/we have also perused the Contract Documents (i.e., the Indian Railways Standard General Conditions of Contract including correction slips issued from time to time, Terms and conditions , Special Conditions of Contract.	No	No	Not Allowed

6. Documents attached with tender

S.No.	Document Name	Document Description
1	Tender_DocumentforOHofTRT.pdf	Tender Document
2	GCC_April-2022.pdf	IR GCC 2022
3	GCC_April-2022AllACS-1to11.pdf	IR GCC 2022 ACS 1 to 11

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: DEEPAK DWIVEDI

Designation : Dy.CE/TMC/CCG