



Boiler Auxiliary Plant , Bharat Heavy Electricals Limited , RanipetTamilnadu- 632406

Purchase Department

Enquiry No : NIT No.36939 (2571548E) dt 06.02.2018

Item : LEATHER SAFETY SHOE PU SOLE

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Contact Details

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NOTICE INVITING TENDER

Ref :NIT No.36939 (2571548E) dt 06.02.2018

The following items are required.

SL	Material code	Description	UNIT	Qty	Lot	LotQty	Delivery date
001	IM5701200004		PAIR	5.000	01	5.000	15/09/2018
		LEATHER SAFETY SHOE PU SOLE 4"BROWN As					
		per our Technical specification enclosed					
002	IM5701200005		PAIR	55.000	01	55.000	15/09/2018
		LEATHER SAFETY SHOE PU SOLE 5"BROWN --					
		-- do----					
003	IM5701200006		PAIR	145.000	01	145.000	15/09/2018
		LEATHER SAFETY SHOE PU SOLE 6"BROWN					
		...DO...					
004	IM5701200007		PAIR	420.000	01	420.000	15/09/2018
		LEATHER SAFETY SHOE PU SOLE 7"BROWN					
		...DO...					
005	IM5701200008		PAIR	645.000	01	645.000	15/09/2018
		LEATHER SAFETY SHOE PU SOLE 8"BROWN					
		...DO...					
006	IM5701200009		PAIR	458.000	01	458.000	15/09/2018
		LEATHER SAFETY SHOE PU SOLE 9"BROWN					



...DO...					
007 IM5701200010	PAIR	145.000	01	145.000	15/09/2018
LEATHER SAFETY SHOE PU SOLE 10"BROWN					
...DO...					
008 IM5701200011	PAIR	25.000	01	25.000	15/09/2018
LEATHER SAFETY SHOE PU SOLE 11"BROWN					
...DO...					
009 IM5701200012	PAIR	2.000	01	2.000	15/09/2018
LEATHER SAFETY SHOE PU SOLE 12"BROWN					
...DO...					

Tender may be submitted through <https://bheleps.buyjunction.in>

Note: All corrigenda, addenda, amendments, time extensions, clarifications etc., to the tender will be hosted on BHEL website (www. bhel.com) only. Bidder should regularly visit website www.bhel.com to keep themselves updated.

Manager / Purchase

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TECHNICAL SPECIFICATION/CHECKLIST FOR LEATHER SAFETY SHOE FOR THE YEAR 2018 WITH DOUBLE DENSITY POLY-URETHANE SOLE					
Sl.No	DESIGN/PARAMETER	TECHNICAL REQUIREMENT	VENDOR TO CONFIRM (or) SPECIFY/CONFIRMATION BY TEST CERTIFICATE	OFFERED (to be filled by the vendor and send this specification sheet along with the offer)	DEVIATION, if any
1	APPEARANCE & DESIGN				
1.1	Design	Low Ankle Safety Shoe designed for maximum safety and comfort.	Vendor to confirm		
1.2	Weight	Weight of a pair of Size 8 shoe shall not exceed 1050 grams per pair.	Vendor to confirm		
2	PROCESS				
2.1	Manufacturing Process	Direct Injection Molding process without using nails.	Vendor to confirm with documents of injection molding machine like machine details, capacity, photographic evidence or any other relevant document as proof of machine availability.		
3	UPPER LEATHER OF THE SHOE				
3.1	Material	Good quality plain grain leather (Cow/buffalo)	Vendor to specify		
3.2	Colour	Dark Brown	Vendor to confirm		
3.3	Thickness	1.5 mm to 1.8 mm	To confirm by Test Certificate		
3.4	Tensile Strength(minimum)	21 MPA or 210 kgf/cm ² (as per IS-5677:1986 Clause 3.5)	To confirm by Test Certificate		
3.5	Elongation at break	45 to 75% (as per IS-5677:1986 Clause 3.5)	To confirm by Test Certificate		
3.6	Stitch Tear Strength (min)	80 kg/cm thickness (IS-5677:1986 Clause 3.5)	To confirm by Test Certificate		
3.7	Distension and Strength of grain	Extension at Crack, min 7 mm and at bursting, min 10 mm (as per IS-5677:1986 Clause 3.5)	To confirm by Test Certificate		
3.8	Flexural Endurance (bally)	1,00,000 flexes without cracking of the grain (IS-5677:1986 Clause 3.5)	To confirm by Test Certificate		
3.9	Heat Resistance	To pass the test as in Appendix-A of IS-5677:1986 Cl. 3.5	To confirm by Test Certificate		
3.10	Upper shell lining	Inside of the upper shell shall be provided with good cushioning and cambrelle lining or textile lining in yellow colour/orange colour as a sweat absorbing arrangement. A soft leather lining shall be provided only inside the ankle portion.	Vendor to confirm and specify the lining material		
4	INSOLE				
4.1	Material	Good Quality non-woven based material. (One pair of insole to be supplied additionally in the packing box)	Vendor to confirm and specify the lining material		
4.2	Thickness	minimum 3 mm (+/-0.2 mm)	Vendor to confirm		
5	BOTTOM SOLE(Out Sole)				
5.1	Material	Flexible Poly-urethane.	Vendor to confirm		
5.2	Relative Density	Double Density	To confirm by Test Certificate.		
5.3	Colour	Bottom most layer: Grey colour & intermediate layer: Black colour	Vendor to confirm		
5.4	Thickness	IS15298(Part2)2011 Clause 5.8.1	To confirm by Test Certificate		
5.5	Tear Strength	IS15298(Part2)2011 Clause 5.8.2	To confirm by Test Certificate		

Prepared By
G.SeshadriReviewed By
P.JegannathApproved By
M.A.Sonathan

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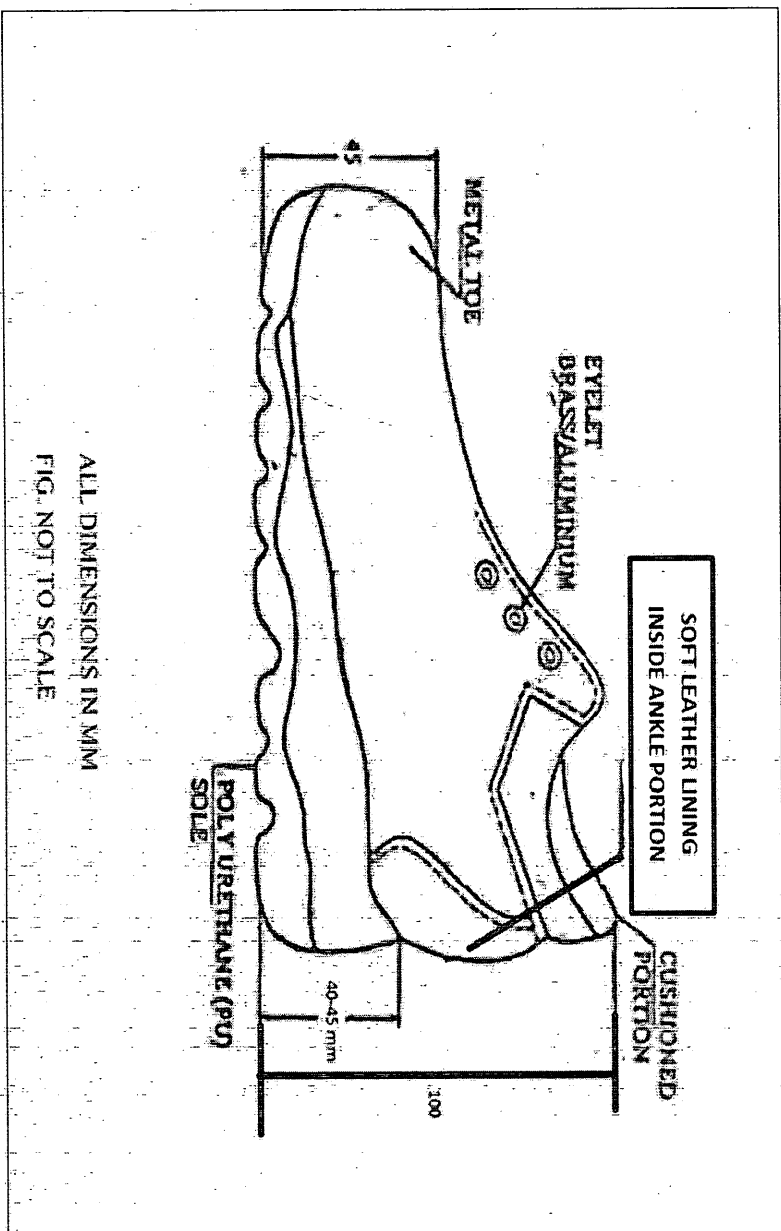
TECHNICAL SPECIFICATION/CHECK LIST FOR LEATHER SAFETY SHOE FOR THE YEAR 2018 WITH DOUBLE DENSITY POLY-URETHANE SOLE

S.No	DESIGN PARAMETER	TECHNICAL REQUIREMENT	VENDOR TO CONFIRM (or) SPECIFY/ CONFIRMATION BY TEST CERTIFICATE	OFFERED (to be filled by the vendor and send this specification sheet along with the offer)	DEVIATION, if any
5.6	Abrasion Resistance	IS15298(Part2)2011 Clause 5.8.3	To confirm by Test Certificate		
5.7	Flexing Resistance	IS15298(Part2)2011 Clause 5.8.4	To confirm by Test Certificate		
5.8	Hydrolysis Test	IS15298(Part2)2011 Clause 5.8.5	To confirm by Test Certificate		
5.9	Inter layer bond strength	IS15298(Part2)2011 Clause 5.8.6	To confirm by Test Certificate		
5.10	Resistance to fuel oil	IS15298(Part2)2011 Clause 5.8.7	To confirm by Test Certificate		
5.11	Shore hardness	55 to 65 A	To confirm by Test Certificate		
5.12	Anti-static (Electrical properties)	IS-15298(Part2)2011 Clause 6.2.2	To confirm by Test Certificate		
5.13	Slip Resistance	IS-15298 Part-1-2015(ISO 20344:2011) Clause 5.11	To confirm by Test Certificate		
6	TOE CAP(as per IS/EN Standard)				
6.1	Material	Steel	Vendor to confirm		
6.2	Performance Test (Impact Test)	IS15298(Part2)2011 Clause 5.3.2.3	To confirm by Test Certificate		
7	THREAD (for stitching)				
7.1	Material	Kevlar of resistance to burn	Vendor to confirm		
7.2	Properties	2 twist oil, acid, chemical proof, non-flammable	Vendor to confirm		
7.3	Colour of the thread	Grey colour thread shall be used for stitching.	Vendor to specify		
8	LACES				
8.1	Material	Cotton or Nylon	Vendor to specify		
8.2	Length	630 mm	Vendor to confirm		
8.3	Shape & diameter	Round shape, Dia 6 mm	Vendor to confirm		
8.4	Color	Multi-colour (Grey&Red)	Vendor to confirm and specify the colours		
9	EYELETS				
9.1	Material	Brass or Aluminium	Vendor to specify		
9.2	Inner diameter	to suit the lace's diameter	Vendor to confirm		
9.3	Outer diameter	10 mm to 12 mm	Vendor to confirm		
9.4	Number of eyelets	3 nos on each side	Vendor to confirm		
10	DIMENSION	As per the drawing given below.	Vendor to confirm		
11	SAMPLE	A pair of Size 8 shoe along with the offer which is non-returnable.	Vendor to confirm		
12	TEST CERTIFICATE	At the time of sample submission, available test certificate dated after 01.01.2016 shall be submitted. However, during bulk supply in case of Purchase Order, testing should be done exclusively and test certificate shall be provided containing our PO Ref No and such testing shall be done in CLRI/FDI laboratory only and shall contain all the parameters mentioned in this specification.	Vendor to confirm		
13	MARKING	Each shoe shall have the following identification marks (1) Size as per Indian marking (2) Vendor's identity (3) Month & Year of Manufacturing (4) ISI marks (5) "Anti-Static" and "Anti-Slip"	Vendor to confirm		
14	INSPECTION	Inspection will be carried out at Supplier's works with reference to the accepted sample and test report. BHEL may inspect during manufacturing process at its discretion.	Vendor to confirm		

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G.SeshadriReviewed By
P.JegatheshApproved By
V.A.Somnath

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TECHNICAL SPECIFICATION/CHECK LIST FOR LEATHER SAFETY SHOE FOR THE YEAR 2018 WITH DOUBLE DENSITY POLY URETHANE SOLE					
Sl.No	DESIGN PARAMETER	TECHNICAL REQUIREMENT	VENDOR TO CONFIRM (or) SPECIFY/CONFIRMATION BY TEST CERTIFICATE	OFFERED (to be filled by the Vendor and send this specification sheet along with the offer)	DEVIATION, if any
15	PACKING	Good quality cardboard box, with one pair extra lace, one pair of extra insole and an environment friendly carry/cloth bag.	Vendor to confirm		
16	GUARANTEE CERTIFICATE	Guarantee certificate has to be given for any manufacturing defects along with the consignment from the date of receipt at our Stores for free replacement within six months.	Vendor to confirm		



G. Seshadri

Prepared By

Reviewed By

P. Jegathesh

Approved By

V.A. Somanathan

Bharat Heavy Electricals Limited , Ranipet 632406 Phone no.(04172) 28 3018 or 28 4338 email: rptpurity@bhelrpt.co.in

BHEL Enquiry no, Date & due Date			
Item Description		P.U. Sole Double Density Leather Safety Shoes (Indent No D84370020, dt.04-01-18) For the year 2018.	
SL No	Pre-qualification criteria	Documentary proof	Enclosed Yes/No
01	Supplier shall be a manufacturer belonging to micro or small category or dealer belonging to micro or small category of a corresponding micro or small category manufacturer.	Proof of MSE status like certificate from Govt of India is required with location of works. If the supplier is a dealer ,Micro or small category certification of both dealer and his/her corresponding manufacturer shall be submitted	
02	Supplier must have supplied minimum 950 pairs of PU bottom Leather safety shoes in Three times or 1200 pairs of shoes in two times or 1900 pairs of shoes in single supply in last two years.	Proof like contract copy or Purchase order (at least unpriced) is required. Proof of supply completion and receipt of payment for that contract are required	
03	Supplier must submit proof as a manufacturer or authorized dealer indicating the Tax/VAT/TIN & PAN number along with technical bid.	Copy of VAT/TIN/PAN shall be enclosed.	
04	Supplier must enclose some of their customers' address, contact details (Name, phone no, email ID) for which they have supplied the safety shoes.	Copy of details shall be enclosed	
05	Supplier must submit sample of safety shoe one pair in size 8" according to our technical specification on non-returnable basis. (Without sample , offer will not be accepted)	-----	
06	Manufacturer's monthly installed production capacity is to exceed our tender quantity	Proof from District Industries Centre or Auditor is required	

Dy. Manager / Safety engineering

P. Sankar