



Details of items details as below:

SI. NO.	MAT CODE	ITEM DISCREPTION	QUANTITY (NOS.)	Delivery (Days)
1	W97057701080	KLAXON HORN 110VAC, 60HZ,120DB AS PER SPECIFICATION NO. DPE/TS/KH-110V60 N.STD: - SIZE: KHRR10103 DIM.: - Bin Line:	2	45

1. ALL VENDORS TO PROVIDE POINT WISE REPLY/CONFIRMATION ALONG WITH RELEVANT SUPPORTING DOCUMENTS TO EACH AND EVERY POINT OF PRE-QUALIFICATION REQUIREMENT/PQR FOR ALL ENQUIRY ITEMS. NONCOMPLIANCE OF THESE MAY LEAD TO REJECTION OF OFFER AS THESE ARE ESSENTIAL CONDITION FOR PARTICIPATING IN TENDER ENQUIRY
2. KINDLY UPLOAD/ATTACH THE SPECIFICATION DETAILS/ CATALOGUE OF OFFERED ITEMS.
3. KINDLY SUBMIT TECHNO-COMMERCIAL CHECKLIST ALONG WITH YOUR OFFER.
4. OPERATION AND MAINTENANCE MANUAL REQUIRED.
5. WARRANTY CERTIFICATE OF 36 MONTHS FROM DATE OF RECEIPT AT HARIDWAR IS REQUIRED.
6. VENDOR TO CONFIRM TO PROVIDE TEST CERTIFICATES AS PER MANUFACTURER'S STANDARD PRACTICE.
7. VENDOR TO CONFIRM TO PROVIDE ALL TECHNICAL PARAMETERS OF ITEM INCLUDING MANUFACTURER SERIAL NO. IN TEST CERTIFICATES AS WELL AS ON THE ITEM.
8. VENDOR TO CONFIRM TO PROVIDE INTERNAL RECORDS FOR ARMATURE COATING OF HORN.
9. VENDOR TO CONFIRM TO MENTION CURE DATE & SHELF LIFE OF O-RINGS USED IN KALXON HORN IN T.C. AS WELL AS ON THE ITEM.
10. VENDOR TO CONFIRM TO PROVIDE PACKING LIST OF ITEMS DURING DISPATCH (COVERING MAIN AND SPARES ITEMS OF KLAXON HORN).
11. VENDOR TO CONFIRM TO PROVIDE DOCUMENTS KEEP PROPER CORRELATION WITH PO ITEMS AND THEIR QUANTITY.
12. VENDOR TO CONFIRM TO PROVIDE CERTIFICATE OF CONFORMANCE ALONG WITH MATERIAL DISPATCH.
13. EARLY DELIVERY ACCEPTABLE.

QUALIFYING CONDITIONS for KLAXON HORN

Only those manufacturers or suppliers should quote:

Sl.	PQR Requirement	Vendor Response	Vendor Response (Yes / No)
1.	who can manufacture or supply all types of KLAXON HORN as per national and international standards or as per BHEL specification no. DPE/TS/KH-110V60	Vendor to confirm	
2.	BHEL reserves the right to verify information submitted by vendor. In case the information is found to be false/incorrect, the offer shall be rejected.	Vendor to accept & confirm	

**TECHNICAL SPECIFICATION****FOR****Klaxon Horn 110 V ac, 60Hz, 120dB**

	Name	Date
Drafted by:	S. K. SINGH	02.01.2021
Approved by:	UMESH DUTT	02.01.2021



REVISION HISTORY

REV.	DATE	DESCRIPION
0	Jan '2021	Issue
1	June'2023	Scope Of Supply added for clarity.

**-INDEX-**

1.	SCOPE	4
2.	FEATURES	4
3.	SPECIFICATIONS	4
4.	LIMITING DIMENSIONS	4
5.	SPARES.....	4
6.	SCOPE OF SUPPLY	5
7.	DOCUMENTATION	5
8.	PACKING AND IDENTIFICATION	5

1. SCOPE

This specification pertains to motor driven Klaxon Horn (siren) which produces a clear, high output siren sound for general safety warning.

The materials and process employed in manufacturing of the Klaxon Horn shall be such that it can be used both indoors and outdoors for general safety warning.

2. FEATURES

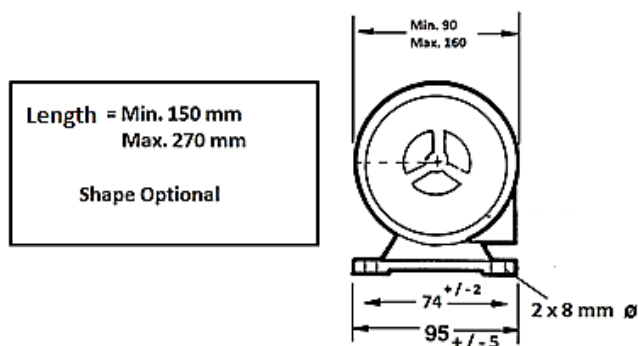
- High output siren sound
- Rugged construction for use in all environments
- Weatherproof to IP65
- Mounting bracket for ease of installation

3. SPECIFICATIONS

Construction	Light weight Metallic Body
IP Rating	IP65
Audibility	[90 - 180] decibel
Range	[150 – 250] meter
Voltage	[105 - 115] V, 60Hz
Frequency (RPM)	[500 – 1800] Hz
Operating Temp	-30°C to +45°C
Connectivity	Marine Grade or equivalent Cable 0.5 meter
Weight	[1.5 – 5] kg
Overall Paint scheme	Preferably, RED / GREY.

4. LIMITING DIMENSIONS

Shape and Dimension for reference only.



5. SPARES

One set of spares for trouble free operation for 2 years to be supplied as per manufacturer's recommendation.

**6. SCOPE OF SUPPLY**

1.	Klaxon Horn	01 no	To be supplied in ASSEMBLED condition.
2.	Cable Gland, M20x1.5 *	01 no	
3.	Connecting Cable	0.5 meter	
4.	Spares	01 set	As per manufacturer's recommendation

(*): For reference only. Cable Gland size as per manufacturer's model /make.

7. DOCUMENTATION

Vendor to provide certificate of Conformance/ Compliance.

8. PACKING AND IDENTIFICATION

- a) Items shall be packed such as to:
 - (i). Prevent ingress of moisture & dust.
 - (ii). Prevent damage during transit and storage.
- b) Each box shall be labeled regarding its content along with Purchase Order (PO) Details, PO. Item no., destination and dispatchers address.

TECHNO-COMMERCIAL CHECKLIST

SL. NO.	TERMS & CONDITION	VENDOR CONFIRMATION /REMARKS / REPLY
1	BIDDER NAME	
2	GEM BID NO	
3	ALL VENDORS TO PROVIDE POINT WISE REPLY/CONFIRMATION ALONG WITH RELEVANT SUPPORTING DOCUMENTS TO EACH AND EVERY POINT OF PRE-QUALIFICATION REQUIREMENT/PQR FOR ALL ENQUIRY ITEMS. NONCOMPLIANCE OF THESE MAY LEAD TO REJECTION OF OFFER AS THESE ARE ESSENTIAL CONDITION FOR PARTICIPATING IN TENDER ENQUIRY	
4	KINDLY UPLOAD/ATTACH THE SPECIFICATION DETAILS/ CATALOGUE OF OFFERED ITEMS.	
5	OPERATION AND MAINTENANCE MANUAL REQUIRED.	
6	WARRANTY CERTIFICATE OF 36 MONTHS FROM DATE OF RECEIPT AT HARIDWAR IS REQUIRED.	
7	VENDOR TO CONFIRM TO PROVIDE TEST CERTIFICATES AS PER MANUFACTURER'S STANDARD PRACTICE.	
8	VENDOR TO CONFIRM TO PROVIDE ALL TECHNICAL PARAMETERS OF ITEM INCLUDING MANUFACTURER SERIAL NO. IN TEST CERTIFICATES AS WELL AS ON THE ITEM.	
9	VENDOR TO CONFIRM TO PROVIDE INTERNAL RECORDS FOR ARMATURE COATING OF HORN.	
10	VENDOR TO CONFIRM TO MENTION CURE DATE & SHELF LIFE OF O-RINGS USED IN KALXON HORN IN T.C. AS WELL AS ON THE ITEM.	
11	VENDOR TO CONFIRM TO PROVIDE PACKING LIST OF ITEMS DURING DISPATCH (COVERING MAIN AND SPARES ITEMS OF KLAXON HORN).	
12	VENDOR TO CONFIRM TO PROVIDE DOCUMENTS KEEP PROPER CORRELATION WITH PO ITEMS AND THEIR QUANTITY.	
13	VENDOR TO CONFIRM TO PROVIDE CERTIFICATE OF CONFORMANCE ALONG WITH MATERIAL DISPATCH.	
14	ARE YOU REGISTERED UNDER MSMED ACT-2006 AS SMALL OR MICRO (UPLOAD UAM/UDYAM)	
15	RISK PURCHASE: IN CASE OF ABNORMAL DELAYS (BEYOND THE MAXIMUM LATE DELIVERY PERIOD AS PER LD CLAUSE) IN SUPPLIES / DEFECTIVE SUPPLIES OR NONFULFILLMENT OF ANY OTHER TERMS AND CONDITIONS GIVEN IN PURCHASE ORDER, BHEL MAY CANCEL THE PURCHASE ORDER IN FULL OR PART THEREOF, AND MAY ALSO MAKE THE PURCHASE OF SUCH MATERIAL FROM ELSEWHERE / ALTERNATIVE SOURCE AT THE RISK AND COST OF THE SUPPLIER. BHEL WILL TAKE ALL REASONABLE STEPS TO GET THE MATERIAL FROM ALTERNATE SOURCE AT OPTIMUM COST. IF BIDDER DOES NOT AGREE TO THE ABOVE RISK PURCHASE CLAUSE, BHEL RESERVES THE RIGHT TO REJECT THE OFFER. IN CASE FOR COMPELLING REASONS BHEL ACCEPTS THE OFFER WITHOUT ACCEPTANCE OF THIS CLAUSE BY THE BIDDER AND IN THE EVENTUALITY OF RISK PURCHASE, APPROPRIATE ACTION WILL BE TAKEN AS PER BHEL EXTANT RULES. THIS WILL BE WITHOUT PREJUDICE TO ANY OTHER RIGHT OF BHEL UNDER THE CONTRACT OR UNDER GENERAL LAW	
16	ACTION AGAINST BIDDERS / VENDOR / SUPPLIER / CONTRACTOR IN CASE OF DEFAULT: IN ORDER TO PROTECT THE COMMERCIAL INTERESTS OF BHEL, BHEL SHALL TAKE ACTION AGAINST SUPPLIES / CONTRACTORS BY WAY OF SUSPENSION OF BUSINESS DEALINGS, WHO EITHER FAIL TO PERFORM OR ARE IN DEFAULT WITHOUT ANY REASONABLE CAUSE, CAUSE LOSS OF BUSINESS/ MONEY/ REPUTATION, INDULGE IN MALPRACTICES, CHEATING, BRIBERY, FRAUD OR ANY OTHER MISCONDUCT OR FORMATION OF CARTELS SO AS TO INFLUENCE THE BIDDING PROCESS OR INFLUENCE THE PRICE ETC. SUSPENSION OF BUSINESS DEALINGS COULD BE IN THE FORM OF "HOLD" OR "BANNING" A SUPPLIER/ CONTRACTOR OR A BIDDER AND SHALL BE AS PER "GUIDELINES FOR SUSPENSION OF BUSINESS DEALINGS WITH SUPPLIERS/ CONTRACTORS" AVAILABLE AT BHEL'S WEBSITE " https://www.bhel.com/guidelines-suspension-business-dealings-supplierscontractors "	

1. MSE/MII: THE SUPPLIER NEEDS TO SUBMIT/UPDATE MSE/MII CREDENTIALS ON GEM PORTAL DURING PROFILE UPDATION/ OFFER SUBMISSION STAGE. THE MSE DATA SUBMITTED IS CROSS VERIFIED BY GEM WITH GOVT. OF INDIA UDYAM/NSIC DATABASE THROUGH API INTEGRATION ON REAL TIME BASIS AND FOR MII, A SELF DECLARATION IS BEING GIVEN AND AUTHENTICATED BY AADHAR OTP. IF THE SELLER FAILS TO CLAIM MSE/MII PROVISION ON GEM PORTAL AT PROFILE UPDATION/BID SUBMISSION STAGE, THE SAID SELLER WILL BECOME INELIGIBLE FOR GETTING THE MSE/MII BENEFITS FOR THAT BID AUTOMATICALLY. THE VENDOR CAN ALWAYS CONTACT THE GEM HELPDESK, IN CASE OF ANY ISSUES.
2. THE PRICE QUOTE BY BIDDER SHOULD BE INCLUSIVE OF GST & SHOULD BE ON BHEL HEEP HARIDWAR STORES BASIS.
3. BIDDER'S OFFER IS LIABLE TO BE REJECTED IF THEY DON'T UPLOAD ANY OF THE CERTIFICATES / DOCUMENTS SOUGHT IN THE BID DOCUMENT, ATC AND CORRIGENDUM IF ANY.
4. **RISK PURCHASE:** IN CASE OF ABNORMAL DELAYS (BEYOND THE MAXIMUM LATE DELIVERY PERIOD AS PER LD CLAUSE) IN SUPPLIES / DEFECTIVE SUPPLIES OR NONFULFILLMENT OF ANY OTHER TERMS AND CONDITIONS GIVEN IN PURCHASE ORDER, BHEL MAY CANCEL THE PURCHASE ORDER IN FULL OR PART THEREOF, AND MAY ALSO MAKE THE PURCHASE OF SUCH MATERIAL FROM ELSEWHERE / ALTERNATIVE SOURCE AT THE RISK AND COST OF THE SUPPLIER. BHEL WILL TAKE ALL REASONABLE STEPS TO GET THE MATERIAL FROM ALTERNATE SOURCE AT OPTIMUM COST. IF BIDDER DOES NOT AGREE TO THE ABOVE RISK PURCHASE CLAUSE, BHEL RESERVES THE RIGHT TO REJECT THE OFFER. IN CASE FOR COMPELLING REASONS BHEL ACCEPTS THE OFFER WITHOUT ACCEPTANCE OF THIS CLAUSE BY THE BIDDER AND IN THE EVENTUALITY OF RISK PURCHASE, APPROPRIATE ACTION WILL BE TAKEN AS PER BHEL EXTANT RULES. THIS WILL BE WITHOUT PREJUDICE TO ANY OTHER RIGHT OF BHEL UNDER THE CONTRACT OR UNDER GENERAL LAW.
5. **ACTION AGAINST BIDDERS / VENDOR / SUPPLIER / CONTRACTOR IN CASE OF DEFAULT:**
IN ORDER TO PROTECT THE COMMERCIAL INTERESTS OF BHEL, BHEL SHALL TAKE ACTION AGAINST SUPPLIES / CONTRACTORS BY WAY OF SUSPENSION OF BUSINESS DEALINGS, WHO EITHER FAIL TO PERFORM OR ARE IN DEFAULT WITHOUT ANY REASONABLE CAUSE, CAUSE LOSS OF BUSINESS/ MONEY/ REPUTATION, INDULGE IN MALPRACTICES, CHEATING, BRIBERY, FRAUD OR ANY OTHER MISCONDUCT OR FORMATION OF CARTELS SO AS TO INFLUENCE THE BIDDING PROCESS OR INFLUENCE THE PRICE ETC.
SUSPENSION OF BUSINESS DEALINGS COULD BE IN THE FORM OF "HOLD" OR "BANNING" A SUPPLIER/ CONTRACTOR OR A BIDDER AND SHALL BE AS PER "GUIDELINES FOR SUSPENSION OF BUSINESS DEALINGS WITH SUPPLIERS/ CONTRACTORS" AVAILABLE AT BHEL'S WEBSITE <https://www.bhel.com/guidelines-suspension-business-dealings-supplierscontractors>
6. BIDDERS ARE ADVISED TO CHECK APPLICABLE GST ON THEIR OWN BEFORE QUOTING. BUYER WILL NOT TAKE ANY RESPONSIBILITY IN THIS REGARDS. GST REIMBURSEMENT WILL BE AS PER ACTUALS OR AS PER APPLICABLE RATES (WHICHEVER IS LOWER), SUBJECT TO THE MAXIMUM OF QUOTED GST %.
7. BIDDER SHALL SUBMIT THE FOLLOWING DOCUMENTS ALONG WITH THEIR BID FOR VENDOR CODE CREATION:
A. COPY OF PAN CARD B. COPY OF GSTIN C. COPY OF MSE CERIFICATE
8. DEDICATED /TOLL FREE TELEPHONE NO. FOR SERVICE SUPPORT: BIDDER/OEM MUST HAVE DEDICATED/TOLL FREE TELEPHONE NO. FOR SERVICE SUPPORT.
9. DATA SHEET OF THE PRODUCT(S) OFFERED IN THE BID, ARE TO BE UPLOADED ALONG WITH THE BID DOCUMENTS. BUYERS CAN MATCH AND VERIFY THE DATA SHEET WITH THE PRODUCT SPECIFICATIONS OFFERED. IN CASE OF ANY UNEXPLAINED MISMATCH OF TECHNICAL PARAMETERS, THE BID IS LIABLE FOR REJECTION.
10. SCOPE OF SUPPLY (BID PRICE TO INCLUDE ALL COST COMPONENTS): ONLY SUPPLY OF GOODS.
11. PRODUCTS SUPPLIED SHALL BE NONTOXIC AND HARMLESS TO HEALTH. IN THE CASE OF TOXIC MATERIALS, MATERIAL SAFETY DATA SHEET MAY BE FURNISHED ALONG WITH THE MATERIAL.
12. WHILE GENERATING INVOICE IN GEM PORTAL, THE SELLER MUST UPLOAD SCANNED COPY OF GST INVOICE AND THE SCREENSHOT OF GST PORTAL CONFIRMING PAYMENT OF GST.

13. PAYMENT TERMS SHALL BE AS PER FOLLOWINGS:

- a) **For Non-MSME bidders:** 100% payment along with taxes, freight & insurance will be made after receipt and acceptance of material and within 90 days from the date of invoice subject to submission of non-discrepant documents within 15 days of supply as per terms and conditions of Purchase Order. (MSME means Micro, Small & Medium Enterprises) (THIS IS IN SUPERSESSION OF 10 DAYS' TIME AS PROVIDED IN CLAUSE 12 OF GEM GTC).
- b) **FOR MSE BIDDER:** For MSEs (covered under MSME Act) which are registered and periodically renewed with BHEL, the payment will be made within 45 days or as prescribed in the relevant act. Benefits of MSE (such as EMD Waiver, Tender fee exemption, Price preference, Payment preference etc.) will be given only to those MSE Vendors who are manufacturers of offered items against the NIT. No MSE benefits shall be provided to Agents / Stockists /Dealers / Traders etc. for the items offered but not manufactured by themselves.”
- c) **FOR MEDIUM ENTERPRISES:** 100% payment along with taxes, freight & insurance will be made after receipt and acceptance of material and within 60 days from the date of invoice subject to submission of non-discrepant documents within 15 days of supply as per terms and conditions of Purchase Order.
- d) Please note that vendor to adhere to the payment terms as per above. No deviation in payment terms shall be accepted. Vendor to submit their offer accordingly. In case of deviation in payment terms, offer of the vendor may be rejected.