


POWER TOOLS (CSSR)

62. CHIPPING HAMMER MEDIUM

CHIPPING HAMMER MEDIUM WEIGHT (08-12 KGS)

S.N	TECHNICAL SPECIFICATION	PICTURE OF EQUIPMENT
01.	With adjustable bits	
02.	Chiselling impact rate – 900 to 1900 bpm	
03.	Single impact force – 15J to 25J	
04.	Power input:- 1000 w – 1900 w	
05.	Weight:- 08 to 12 Kgs (can be easily operated by single rescuer on all type of site and at all angles)	
06.	Voltage required – 220V-240V	
07.	Light in weight, Shock proof body with required accessories, lubricant & electric cord of equipment not less than 4 mtr in length with 10/15 Amp 3 pin convertible in to 2 pin plug.	
08.	Equipment must have dust seal to protect from entering of dust inside the machine.	
09.	Eqpt. Should be certified from national BSA/international (EPTO) agencies.	
10.	Noise level :- not more than 120 Db.	
11.	Easy to operate SUITABLE on/off SWITCH.	
12.	Equipment must have active vibration absorbing system (AVAS). And should fulfil adequate safety norms as per international standard.	
13.	Equipment must be supplied with two (one flat & one pointed tipped) spare bits. Including standard Greece, spare EAR plugs, dust cap.	

a. CHIPPING HAMMER BIT FLAT

S.N	Technical Specification
a	Bit length not less than 28 cm & 41cm
b	Bit diameter should match with the size of bit
c	Material high tensile steel.

b. CHIPPING HAMMER BIT POINTED

S.N	Technical Specification
a	Bit length not less than 28 cm & 41cm
b	Bit diameter should match with the size of bit locker of the equipment.

62(a). CHIPPING HAMMER HEAVY WEIGHT (25-30 KG)



S.N	TECHNICAL SPECIFICATION
01.	With adjustable bits
02.	Chiselling impact rate: – More than 800bpm.
03.	Single impact force – 45J or more
04.	Power input:- 1500 w – 2000 w
05.	Weight:- 25 to 30 Kgs
06.	Light in weight, Shock proof body with required accessories, lubricant & electric cord of equipment not less than 4 mtr in length with 10/15 Amp 3 pin convertible in to 2 pin plug.
07.	Equipment must have dust seal to protect from entering of dust inside the machine.
08.	Adjustable auxiliary handle.
09.	Equipment Should be certified from national BSA/international (EPTO) agencies.
10.	Easy to operate on/off slide switch, mode selector switches etc.
11.	Equipment must have active vibration absorbing system (AVAS). And should fulfill adequate safety norms as per international standard.
12.	Equipment must be supplied with two (one flat & one pointed tipped) spare bits. Including standard Greece, spare Ear plugs, dust cap.
13.	Protective/Carrying/Housing case should be made up of hard durable plastic material. And should be designed that it fully protects the eqpt from getting damaged and for easy handling of eqpt during transit.
14.	Noise level :- not more than 120 Db.

Technical Specifications along with TDs of Battery-Operated Chipping Hammer (Heavy Weight)



S/No.	Specifications	Trial Directives
1	With adjustable bits- Yes	BOO to physically check and verify
2	Chiselling impact rate – More than 800 bpm	BOO to check and verify the parameter through Govt/NABL accredited lab test report
3	Single impact force –45J or more	BOO to check and verify the parameter through Govt/NABL accredited lab test report
4	Min 40 V, 8 AH Li-ion battery	BOO to check and verify the parameter through OEM certificate
5	24- 33Kg with battery	BOO to physically measure the weight of the equipment
6	Shock proof body	BOO to physically check the parameter and verify through OEM certificate
7	Equipment must have a dust seal to protect from entering of dust inside the machine.	BOO to physically check the parameter
8	Adjustable Auxiliary Handle	BOO to physically check the parameter
9	Eqpt. Should be certified from national BSA/international (EPTO) agencies.	BOO to physically check the certifications
10	Easy to operate on/off slide switch, mode selector switches etc	BOO to physically check and verify the parameter
11	Equipment must have an active vibration absorbing system (AVAS) and should fulfil adequate safety norms as per international standard.	BOO to check and verify the parameter through Govt/NABL accredited lab test report
12	Equipment must be supplied with two (one flat & one pointed tipped) spare bits. Including standard Grease, spare EAR plugs, dust cap. Bit size should be minimum 400 mm to 600 mm	BOO to physically check and verify parameter.
13	Protective/Carrying/Housing case should be made up of hard durable plastic material. And should be designed that it fully protects the eqpt from getting damaged and for easy handling of eqpt during transit.	BOO to physically check the parameter
14	Noise level :- not more than 120 dB.	BOO to check and verify the parameter through Govt/NABL accredited lab test report

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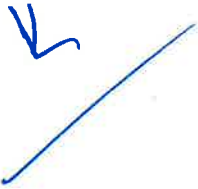
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S/No.	Specifications	Trial Directives
	<p>Technical Specifications of Charger</p> <p>a. Charger Input Voltage- 220-240 V 50 Hz</p> <p>b. Quick Charge Current- 5 to 15 A</p> <p>c. Charging Time- Not more than 140 Min.</p> <p>d. Charging Status Indicator- Yes</p> <p>e. Weight of fast charger -Max 03 Kgs</p>	<p>For a, b & c, BOO to check and verify the parameter through OEM certificate</p> <p>For d & e, BOO to physically check and verify the parameters</p>
	<p>Lithium Battery Technical Specifications</p> <p>a. Number of batteries supplied- 02 (01 – Main and 01 – Reserve)</p> <p>b. Battery type -Lithium Ion</p> <p>c. On Board Fan for Cooling – Yes</p> <p>d. Uniform charging and discharging- Yes</p> <p>e. Voltage Overload protection- Yes</p>	<p>For a & c, BOO to physically check and verify the parameters</p> <p>For b, d & e, BOO to check and verify the parameters through OEM certificate</p>



Technical Specifications and TDs of Battery Operated Chipping Hammer (Medium)



S.No.	Specifications	Trial Directives
1.	With adjustable bits	BOO to physically check and verify.
2.	Chiselling impact rate – 900 to 1700 bpm	BOO to check and verify the parameter through lab test report of Govt/NABL approved lab
3.	No Change	BOO to check and verify the parameter through lab test report of Govt/NABL approved lab
4.	Power input: Min 40 V, 8 AH Li-ion battery	BOO to check and verify the parameter through lab test report of Govt/NABL approved lab
5.	Weight: - Maximum 15 Kgs with battery	BOO to physically measure the weight using calibrated weighing scale.
6.	Shockproof body with required accessories, bits (Flat & Pointed) & lubricants.	BOO to physically check & verify through OEM certification
7.	Equipment must have a dust seal to protect from entering of dust inside the machine.	BOO to physically check and verify the parameter
8.	Eqpt. Should be certified from national BSA/international/ NABL accredited labs	Compliance certification to be produced by Firm.
9.	Noise level: - not more than 120 Db.	BOO to physically check the parameter & verify through OEM certificate.
10.	Easy to operate SUITABLE on/off SWITCH.	BOO to physically check and verify the parameter
11.	Equipment must have active vibration absorbing system (AVAS) and should fulfil adequate safety norms as per international standard.	BOO to check and verify the safety norms certificate and AVAS tech certificate as per international norms
12.	Equipment must be supplied with two (one flat & one pointed tipped) spare bits. Including standard Greece, spare EAR plugs, dust cap.	BOO to physically check and verify.
13.	Chipping hammer bit flat: a) Bit length not less than 28 cm & 41cm b) Bit diameter should match with the size of bit c) Material high tensile steel.	BOO to physically check the parameter & verify with OEM certificate.
14.	Chipping hammer bit pointed:	

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S.No.	Specifications	Trial Directives
	a) Bit length not less than 28 cm & 41cm b) Bit diameter should match with the size of bit locker of the equipment.	BOO to physically check and verify the parameters.
15.	Operating Temp- -15 to +50 °C	BOO to physically check the parameter & verify through Govt/NABL approved lab test report for operating temperature & Environmental test in extreme conditions.
16.	Technical Specification for Battery a. Number of batteries- 02 (01 Main and 01- Reserve) b. Battery Voltage- Min 40V c. Battery Capacity- Minimum 8Ah high output battery d. Battery type- Li-ion	a) BOO to physically check the parameter. b), & c) BOO to physically check the parameter & verify through Govt/NABL approved lab test report/OEM certificate for battery power/ made up material.
17.	Uniform charging and discharging- Yes	BOO to verify through Govt/NABL approved lab test report.
18.	Overload Voltage protection- Yes	BOO to verify through Govt/NABL approved lab test report.
19.	Battery Level Indicator- Yes Battery weight- Max 02 Kg	BOO to physically check the parameter.
20.	Suitable moulded plastic case/light Metal case- Yes	BOO to physically check the parameter & verify through OEM certificate.
21.	Service warranty-10 Years Cost free warranty -01 Year	BOO to physically check the parameter & verify through OEM certificate.
22.	Certification- BIS/EN/CE	Compliance certification to be produced by Firms/OEM for BIS/EN. Firm/OEM to provide IEC 62133 or BIS 16046- test reports.
23.	Technical Specification of Charger Charger Input Voltage- 220-240 V 50 Hz a. Quick Charge Current- 5 to 15 A b. Charging Time- Less than 100 Min c. Charging Status Indicator- Yes d. Weight of fast charger- Max 03 Kgs	BOO to physically check the parameter & verify through Govt/NABL approved lab test report/OEM certificate. BOO to physically check the weight using calibrated weighing scale.
24.	Other features to include- a) Dual action trigger, b) Point may be removed, c) Battery protection against overloading, d) LED lights for better information of work area,	a), b) d) & e) BOO to physically check the parameter. c) BOO to physically check the parameter & verify through OEM certificate for battery protection against overloading.

S.No.	Specifications	Trial Directives
	e) Guide rail capability for precision cutting	
25.	Other Accessories a. Operator's Manual b. Grease (100 ML) and Lubricants c. Safety and Warning Labels d. Any other accessories required with the equipment	BOO to physically check all the accessories.

