

Tender Enquiry No. 9900285950

Bill of Materials

Delivery Address:

Barh Super Thermal Power Plant
P.O. BARH
BARH
Bihar
803213
India
Tel : 06132-240011/12/13 Fax: 06132-240014

(UOM Legends :- NO - Number)

Item	Material Code	Description	UoM*	Total Quantity	Quoted(Y/N)
00010	M1940009007	BEARING,PLAIN,RADIAL SPHERICAL,GE 90 2LS	NO	24.000	
00020	M1940656019	BRG,PLN: SPHERICAL,GEC 320 TXA-2RS,320MM	NO	24.000	
00030	M1917318018	BEARING,ROLLER,SPHERICAL,231 80-CAW33	NO	24.000	
00040	M1917307634	BEARING,ROLLER,SPHERICAL,230 76-CCKW33	NO	4.000	

Tender Enquiry No. 9900285950

TECHNICAL DATA SHEET

<p>00010 - M1940009007 Specification "BEARING,PLAIN TYPE :RADIAL SPHERICAL DESIGNATION :GE 90 2LS DIAMETER,ID :90 MM DIAMETER,OD :130 MM WIDTH/HEIGHT :60/50 MM"</p>
<p>00020 - M1940656019 Specification BEARING,PLAIN TYPE : SPHERICAL PLAIN BEARING DESIGNATION : GEC 320 TXA-2RS / GE320-DW-2RS2-B-XL DIAMETER,ID : 320 MM DIAMETER,OD : 440 MM</p>
<p>00030 - M1917318018 Specification "BEARING,ROLLER TYPE :SPHERICAL ROWS :DOUBLE STYLE :SELF-ALIGNING DESIGNATION :23180-CAW33 MATERIAL,CAGE :PRESSED STEEL DIAMETER,ID :400 MM DIAMETER,OD :650 MM WIDTH/HEIGHT :200 MM"</p>
<p>00040 - M1917307634 Specification "BEARING,ROLLER TYPE :SPHERICAL ROWS :DOUBLE STYLE :SELF-ALIGNING DESIGNATION :23076-CCKW33 MATERIAL,CAGE :PRESSED STEEL DIAMETER,ID :380 MM DIAMETER,OD :560 MM WIDTH/HEIGHT :135 MM"</p>

QUALITY PLAN

	Item BEARING							
--	--------------	--	--	--	--	--	--	--

SL. NO.	COMPONENT / OPERATION	CHARACTERISTICS	QUANTUM OF CHECK		REFERENCE DOCUMENT	ACCEPTANCE NORM	FORMAT OF RECORD	D	AGENCY		REMARKS
			M	N					M	N	
1.0	RAW MATERIALS										
1.1	Raw Material	Chem & Mech. Properties	Each Heat	Each Heat	Tender / PO Specs/ NTPC approved DRG/DS/MFR Std	TC/IR			P	V	
		UT (plate thickness >=25 MM and bar dia >=50 mm)	100 %	100 %					Tender / PO Specs/ NTPC approved DRG/DS/MFR Std	TC/IR	
2.0	In process control										
2.1	Machining of components	DPT/MPI	100 %	100 %	Tender / PO Specs/ NTPC approved DRG/DS/MFR Std	TC/IR			P	V	
3.0	Final inspection										
3.1	Assembled bearing	MPI	100 %	100 %	Tender / PO Specs/ NTPC approved DRG/DS/MFR Std	IR/TC	√	P	W		
3.2		Load test including noise/vibration	100 %			IR/TC		P	V		

Notes-

1. Y mark in Column 'D' means such document shall be furnished by the manufacturer / supplier.
2. Calibrated equipments required for performing the tests in presence of NTPC or authorized representative, shall be arranged by the supplier without any extra cost.
3. Witness by NTPC/authorized representative (wherever applicable) shall be on randomly chosen sample/s. NTPC shall review Mfrs test report for balance quantity.
4. Reference and Acceptance norms shall be derived from following in the same sequence-
 - a) NTPC Approved drawing / data sheet
 - b) NTPC tech specs
 - c) Purchase Order
 - d) Relevant national standard
 - e) Relevant International standard
 - f) Manufacturer's standard
 - g) Good Engineering practices

Abbreviations :-

M/Mfr	Manufacturer		P	Perform		IR	Inspection Record / Report
N	NTPC Ltd or authorized representative		W	Witness		TC	Test Certificate
DS/TS	Data sheet/Technical specification		V	Review of records		PO	Purchase order