

निवीदा सुचना क्र. - ३२ / सन २०२५-२६

महाराष्ट्र राज्याच्या राज्यपालांच्या वतीने कार्यकारी अभियंता, यांत्रिकी अभियांत्रिकी कर्मशाळा विभाग, सदर, नागपूर, महाराष्ट्र शासन हे सक्षम निविदाकारांहुन खालील कामाकरीता निविदा मागवित आहे. महाराष्ट्र शासन जलसंपदा विभाग शासन निर्णय क्रमांक संकिर्ण/१११७/प्र.क्र.१०४/१७/यांत्रिकी दिनांक १४.०३.२०१८ अन्वये खालील कामांकरिता निविदा सादर करणारे कंत्राटदार, जलसंपदा विभागातील यांत्रिकी संघटनेकडे पंजिकृत असणे आवश्यक नाही. सदर निविदा सूचना जलसंपदा (यांत्रिकी) विभागाच्या वेबसाईटवरील क्र. [www.mahayantriki.gov.in](http://www.mahayantriki.gov.in) या संकेस्थळावर बघावयास मिळेल. निविदा स्वीकारण्याचा अथवा नाकारण्याचा अधिकार कार्यकारी अभियंता, यांत्रिकी अभियांत्रिकी कर्मशाळा विभाग, नागपूर, यांनी राखून ठेवला आहे. अट असलेली निविदा स्वीकारली जाणार नाही. सदर निविदा सुचनेमध्ये काही बदल होत असल्यास विभागीय कार्यालयाच्या सुचना फलकावर / [www.mahayantriki.gov.in](http://www.mahayantriki.gov.in) उपलब्ध करून देण्यात येईल.

१) कामाचे नाव : Repairs to Engine & allied assembly of Tata Hitachi EX 200 Sr.No. 10017 by replacing the unserviceable and worn out spares by new spares at work site.

( कोरी निवीदा प्रपत्राची किंमत Rs. १,००० /- (रु. १८०/- Goods and Services Tax (GST) भरणा केलेली पावती निविदा उघडण्याचा दिवसापर्यंत कार्यालयात जमा करणे बंधनकारक राहिल. अन्यथा लिफाफा क्र. १ मध्ये अपात्र करण्यात येईल.)

कामाची किंमत : - रु. 2,12,133/-

जिल्हा : नागपूर जिल्हा

निविदा विक्रीचा कालावधी :- दि. २७.०२.२०२६ (११.०० वाजेपासून) ते दि. ०६.०३.२०२६ (१८.०० वाजेपर्यंत )

निविदा सादर करण्याचा अंतिम कालावधी :- दि. २७.०२. २०२६ (११.०० वाजेपासून) ते दि. ०९.०३.२०२६ (१८.०० वाजेपर्यंत )

निविदा उघडण्याचा कालावधी :- दिनांक १०.०३.२०२६ १४.०० पासून

कार्यकारी अभियंता, यांत्रिकी अभियांत्रिकी कर्मशाळा विभाग, नागपूर यांच्या कार्यालयात.

जा.क्र. ४३५/लेखा शाखा.१/निवीदा सुचना क्र.३२/ २०२५-२६ दिनांक २६/०२/२०२६

(वि.रा.प्रधान)

कार्यकारी अभियंता  
यांत्रिकी अभियांत्रिकी कर्मशाळा विभाग,

नागपूर

प्रत - मा. अधीक्षक अभियंता, यांत्रिकी मंडळ, नागपूर यांना माहितीसाठी सविनय सादर.

प्रत - भांडार शाखा / विभागीय कार्यालय सुचना फलकावरील व्यापक प्रसिध्दीसाठी.

## ESTIMATE

Year 2025-2026

Division : Executive Engineer Mechanical Engineering Workshop Dn. Nagpur  
Sanction Estimate No. \_\_\_\_\_

2025-2026

Expenditure Head : Maharashtra State

Major Head : 4701 Capital Outlay on Major and Medium Irrigation Project

Minor Head : 800(3) I.I.R.A. Mechanical Organization

Service Head : 053 OM&R to Machinery TATA HITACHI EX-200 Sr.No 10017

Departmental Head : B1 & B3 TO TATA HITACHI EX-200 Sr.No 10017

Estimate is prepared in the office of the Deputy Engineer , Mechanical Sub Dn. No. 1, Nagpur  
for Repairs to TATA HITACHI EX-200 Sr.No 10017

**Rs. 250317.00**

Administrative Approval vide No. \_\_\_\_\_ dtd. \_\_\_\_\_

Technical Sanction No. \_\_\_\_\_ dtd. \_\_\_\_\_

Estimate is prepared by **Shri. V.B. Mohare** Sect. Engr. checked by **Shri. R.P. Rathod**, Deputy Engineer.

### GENERAL DESCRIPTION

The Estimate is prepared on the basis of Superintendent Engineer, Mechanical Circle [c.p] Nagpur circular No. MCNP/HRC/ DBII/ 793/ dt 7/8/89. The expenditure incurred will be charged to O.M. R to TATA HITACHI EX-200 Sr.No 10017 during financial year 2025-26

  
Deputy Engineer  
Mechanical Engineering Workshop  
Sub Dn No.1, Nagpur

**Abstract**

**Repairs to Engine & allied assembly of Tata Hitachi EX 200 Sr No 10017 by replacing the unserviceable & worn out spares by following new spares at work site.**

Sr No	Description	Quantity (job)	Rate (Rs.)	Amount (Rs.)
1	Repairs to Engine & allied assembly of Tata Hitachi EX 200 Sr No 10017 by replacing the unserviceable & worn out spares by following new spares at work site.	1 Job	212132.75	212132.75
<b>Grand Total</b>				<b>212132.75</b>
<b>Add GST @18%</b>				<b>38183.90</b>
<b>Total Rs</b>				<b>250316.65</b>
<b>SAY Rs.</b>				<b>250317.00</b>

( In Words Rs.Two Lakh Fifty Thousand Three Hundred Seventeen only )

**ALLOCATION:-**

1) Expenditure on B1 = 156785.13

2) Expenditure on B3 = 93531.52

Total Rs.= 250316.65

**CERTIFICATE**

Certified That.....

- 1.The expenditure on repairs/manufacturing of part is economical and machinery will give satisfactory performance after repair.
2. The rates considered for outside jobs are those as prevailing in the market and are reasonable and workable.
- 3.The Job proposed to carrying out through the agency is due to lack of facility in the government workshop as machine is urgently required for use.
- 4.The spares & material proposed for purchase are not available in departmental stores.
- 5, spares parts rates are taken from price list of TATA HITACHI PRICE LIST OF JULY-2019 & SS EXCAVATION SOLUTION LLP.
6. labour rates are taken from SCHEDULE OF RATES (Labour Charges) For the year 2019-20 OF MACHINERY REPAIRS.

Estimate is prepared by

V.B. Mohare  
(Sectional Engineer)

(R.P. Rathod)  
Deputy Engineer

Mechanical Engineering Workshop  
Sub Dn No.1, Nagpur

Sanction Estimate No. 146/2025-26  
MEW DN./NGP/TS/D/26/02/2026  
Sanctioned

for Rs. 250317/- (Rs. Two Lakh fifty thousand  
Three hundred & seventeen only)

Executive Engineer

Mechanical Engineering Workshop

the

(Rs.)

75

5

Measurement Sheet

Repairs to Engine & allied assembly of Tata Hitachi EX 200 Sr No 10017 by replacing the unserviceable & worn out spares by following new spares at work site.

Sr No	Part Name	Quantity (job)	Rate (Rs.)	Amount (Rs.)	
A) Repairs to Engine & allied assembly of Tata Hitachi EX 200 Sr No 10017 by replacing the unserviceable & worn out spares by following new spares at work site.					
1	Block Overhaul Kit 6BTSTDBSII (Consist of)	Spare parts			
	Plug, Expansion	1	No.	51993.00	
	Set, Piston ring	4	No.	51993.00	
	Plug, Expansion	6	No.		
	Set, upper engine gasket	4	No.		
	Kit lower engine gasket	1	No.		
	Kit piston 6 BT ✓	1	No.		
	Sleeve, Salvage	6	No.		
	Bushing	6	No.		
	Plug, Expansion	6	No.		
	Bushing	4	No.		
	Kit, Connecting Rod Bearing	6	No.		
	Set, Main Bearing (Std.)	1	No.		
	Nozzle, Piston Cooling	1	No.		
	Set, Main Bearing (Std.)	6	No.		
		1	No.		
2	Cylinder Head Overhaul kit	1	No.		11326.00
	Collet, valve	24	No.		11326.00
	Insert, Valve	6	No.		
	Guide, Valve stem	6	No.		
	Guide, Valve stem	6	No.		
	Insert, valve	6	No.		
	Spring, Valve	6	No.		
	Valve, Intake	6	No.		
	Valve, Exhaust	6	No.		
	Spring, Valve	6	No.		
3	Crankshaft, Engine ✓	1	No.	55857.00	
4	Clamp, V Band ✓	1	No.	485.46	
5	Tensioner, Belt ✓	1	No.	1685.01	
6	Belt, V Ribbed ✓	1	No.	440.51	
7	Seal, Rectangular ✓	6	No.	7.36	
8	Hose, Flexible ✓	1	No.	876.53	
9	Washer, Sealing ✓	2	No.	8.73	
10	Connector, Female ✓	2	No.	52.75	
11	Seal, O Ring ✓	2	No.	19.48	
12	Clamp, Hose ✓	2	No.	33.86	
13	Gasket, Turbocharger ✓	1	No.	68.44	
14	FUEL FILTER ✓	1	No.	570.00	
15	ENG OIL FILTER ✓	1	No.	932.00	
16	Hose Reducer ✓	1	No.	3325.00	
18	Hose Water Outlet ✓	2	No.	1297.00	
19	Hose Clamp ✓	1	No.	207.00	
Total Of A =				132868.75	

  
 Executive Engineer  
 Mechanical Engineering Workshop  
 Division, Sadar, Nagpur

B)	Labour Charges				
1	Complete Engine dismantaling from chassis of machine & installing on machine after overhauling including crane charges(E/01)	1	Job	10195	10195.00
2	Engine Cylinder Block main line boring(E/02)	1	Job	8384	8384.00
3	Engine Cylinder Block water jacket cleaning(E/03)	1	Job	1338	1338.00
4	Engine Cylinder Block sleeve/liners removing & refitting(E/04)	1	Job	2001	2001.00
5	Engine Cylinder Block surface grinding(E/05)	1	Job	2696	2696.00
6	Engine Cylinder Block boring & honing(E/06)	1	Job	3551	3551.00
7	Engine Cylinder Block stud removing, oversize tapping & replacing(E/07)	1	Job	612	612.00
8	Engine Cylinder head leakage testing by pressure(E/010)	1	Job	1125	1125.00
9	Engine Cylinder head surface grinding(E/011)	1	Job	2346	2346.00
10	Engine Cylinder head valve seat removing & new fitting(E/12)	1	Job	3035	3035.00
11	Engine Cylinder head valve seat cutting with lapping(E/13)	1	Job	2050	2050.00
12	Engine Crank shaft thrust bearing seat repairing(E/27)	1	Job	2026	2026.00
13	Engine Cam Shaft grinding(E/32)	1	Job	2632	2632.00
14	Complete Engine Overhauling by dismantaling reassembling all components ,giving test & trial(E/38)	1	Job	20166	20166.00
15	Complete fuel line opening, cleaning, checking, brazing and refitting (E/41)	1	Job	2033	2033.00
16	FIP & Automisers removing & refitting.(E/42)	1	Job	1652	1652.00
17	Fuel tank opening cleaning,brazing & refitting .(E/43)	1	Job	1385	1385.00
18	Radiator chock up removing by cleaning all the tubes,soldering the tubes with top & bottom removing & refitting.(E/46)	1	Job	6965	6965.00
19	Turbocharger dismantaling for repairs & refitting after repairs(E/52)	1	Job	1992	1992.00
20	filter replacing (E/44)	2	Job	586	1172.00
21	Removing & refitting of high pressure hose assembly (H-06)	3	Job	636	1908.00
				<b>Total Of B =</b>	<b>79264.00</b>
				<b>Total Of (A+B) =</b>	<b>212132.75</b>
				<b>Add GST 18% =</b>	<b>38183.90</b>
				<b>Grand Total Rs. =</b>	<b>250316.65</b>
				<b>SAY Rs.</b>	<b>250317.00</b>

( In Words Rs.Two Lakh Fifty Thousand Three Hundred Seventeen only )

Allocation- 053 OMR to Tata Hitachi EX-200 No.10017

**B-1 For Rs 156785.13**

**B-3 For Rs 93531.52**

**Total 250316.65**

Estimate is prepared by

V.B. Mohare  
(Sectional Engineer)

(R.P. Rathod)  
Deputy Engineer  
Mechanical Engineering Workshop  
Sub Dn No.1, Nagpur